

APPENDIX C

TABLE C-1

TABLE C-2

LABORATORY ANALYTICAL REPORT

Table C-1
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-13-01	2531V-13-01	2531V-13-02	2531V-13-02	2531V-13-03	2531V-13-03	2531V-13-03 (Dup 7)	2531V-13-04	2531V-13-04	2531V-14-01	2531V-14-01	2531V-14-02	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-5	5-9	0-5	5-9	0-5	5-9	5-9	0-5	5-9	0-5	5-9	0-6		
Sample Date	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/7/17	8/7/17	8/7/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-13	2531V-13	2531V-13	2531V-13	2531V-13	2531V-13	2531V-13	2531V-13	2531V-13	2531V-14	2531V-14	2531V-14		
Parameter														
VOCs, mg/kg														
Acetone	< 0.073	< 0.069	< 0.079	< 0.080	< 0.077	< 0.070	< 0.070	< 0.071	< 0.083	< 0.10	< 0.062	< 0.066	25	100,000
Benzene	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	0.03	2.2
Bromodichloromethane	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	0.6	2,000
Bromoform	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	0.8	140
Bromomethane	< 0.0098	< 0.0092	< 0.011	< 0.011	< 0.010	< 0.0093	< 0.0094	< 0.0095	< 0.011	< 0.014	< 0.0083	< 0.0087	0.2	3.9
2-Butanone	< 0.073	< 0.069	< 0.079	< 0.080	< 0.077	< 0.070	< 0.070	< 0.071	< 0.083	< 0.10	< 0.062	< 0.066	17	---
Carbon disulfide	< 0.049	< 0.046	< 0.053	< 0.053	< 0.052	< 0.047	< 0.047	< 0.047	< 0.056	< 0.069	< 0.042	< 0.044	9	9
Carbon tetrachloride	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	0.07	0.9
Chlorobenzene	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	1	1.3
Chloroethane	< 0.0098	< 0.0092	< 0.011	< 0.011	< 0.010	< 0.0093	< 0.0094	< 0.0095	< 0.011	< 0.014	< 0.0083	< 0.0087	---	---
Chloroform	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	0.3	0.76
Chloromethane	< 0.0098	< 0.0092	< 0.011	< 0.011	< 0.010	< 0.0093	< 0.0094	< 0.0095	< 0.011	< 0.014	< 0.0083	< 0.0087	---	---
Dibromochloromethane	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	0.4	1,300
1,1-Dichloroethane	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	23	130
1,2-Dichloroethane	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	0.02	0.99
1,1-Dichloroethene	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	0.06	3
cis-1,2-Dichloroethene	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	0.4	1,200
trans-1,2-Dichloroethene	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	0.7	3,100
1,2-Dichloropropane	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	0.03	0.5
cis-1,3-Dichloropropene	< 0.0020	< 0.0018	< 0.0021	< 0.0021	< 0.0021	< 0.0019	< 0.0019	< 0.0019	< 0.0022	< 0.0028	< 0.0017	< 0.0017	0.005	0.39
trans-1,3-Dichloropropene	< 0.0020	< 0.0018	< 0.0021	< 0.0021	< 0.0021	< 0.0019	< 0.0019	< 0.0019	< 0.0022	< 0.0028	< 0.0017	< 0.0017	0.005	0.39
Ethylbenzene	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	13	58
2-Hexanone	< 0.020	< 0.018	< 0.021	< 0.021	< 0.021	< 0.019	< 0.019	< 0.019	< 0.022	< 0.028	< 0.017	< 0.017	---	---
4-Methyl-2-pentanone	< 0.020	< 0.018	< 0.021	< 0.021	< 0.021	< 0.019	< 0.019	< 0.019	< 0.022	< 0.028	< 0.017	< 0.017	---	---
Methylene chloride	< 0.0098	< 0.0092	< 0.011	< 0.011	< 0.010	< 0.0093	< 0.0094	< 0.0095	< 0.011	< 0.014	< 0.0083	< 0.0087	0.02	34
Methyl tert-butyl ether	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	0.32	140
Styrene	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	4	430
1,1,2,2-Tetrachloroethane	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	---	---
Tetrachloroethene	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	0.06	28
Toluene	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	12	42
1,1,1-Trichloroethane	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	2	1,200
1,1,2-Trichloroethane	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	0.02	1,800
Trichloroethene	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	0.06	12
Vinyl chloride	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0052	< 0.0047	< 0.0047	< 0.0047	< 0.0056	< 0.0069	< 0.0042	< 0.0044	0.01	1.1
Xylenes, Total	< 0.015	< 0.014	< 0.016	< 0.016	< 0.015	< 0.014	< 0.014	< 0.014	< 0.017	< 0.021	< 0.012	< 0.013	5.6	5.6

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

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

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

Shaded values indicate concentration exceeds reference concentration

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-14-02	2531V-14-02	2531V-14-03	2531V-14-03	2531V-14-03	2531V-14-03 (Dup 3)	2531V-15-01	2531V-15-01	2531V-15-01	2531V-15-02	2531V-15-02	2531V-15-02	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	6-12	12-18	0-6	6-12	12-18	12-18	0-6	6-12	12-18	0-6	6-12	12-18		
Sample Date	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-14	2531V-14	2531V-14	2531V-14	2531V-14	2531V-14	2531V-15	2531V-15	2531V-15	2531V-15	2531V-15	2531V-15		
Parameter														
VOCs, mg/kg														
Acetone	< 0.068	< 0.062	< 0.075	< 0.085	< 0.080	< 0.072	0.099	< 0.078	< 0.078	< 0.072	< 0.081	< 0.11	25	100,000
Benzene	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	0.03	2.2
Bromodichloromethane	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	0.6	2,000
Bromoform	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	0.8	140
Bromomethane	< 0.0091	< 0.0082	< 0.0099	< 0.011	< 0.011	< 0.0096	< 0.0099	< 0.010	< 0.010	< 0.0096	< 0.011	< 0.014	0.2	3.9
2-Butanone	< 0.068	< 0.062	< 0.075	< 0.085	< 0.080	< 0.072	< 0.074	< 0.078	< 0.078	< 0.072	< 0.081	< 0.11	17	---
Carbon disulfide	< 0.046	< 0.041	< 0.050	< 0.057	< 0.054	< 0.048	< 0.049	< 0.052	< 0.052	< 0.048	< 0.054	< 0.070	9	9
Carbon tetrachloride	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	0.07	0.9
Chlorobenzene	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	1	1.3
Chloroethane	< 0.0091	< 0.0082	< 0.0099	< 0.011	< 0.011	< 0.0096	< 0.0099	< 0.010	< 0.010	< 0.0096	< 0.011	< 0.014	---	---
Chloroform	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	0.3	0.76
Chloromethane	< 0.0091	< 0.0082	< 0.0099	< 0.011	< 0.011	< 0.0096	< 0.0099	< 0.010	< 0.010	< 0.0096	< 0.011	< 0.014	---	---
Dibromochloromethane	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	0.4	1,300
1,1-Dichloroethane	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	23	130
1,2-Dichloroethane	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	0.02	0.99
1,1-Dichloroethene	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	0.06	3
cis-1,2-Dichloroethene	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	0.4	1,200
trans-1,2-Dichloroethene	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	0.7	3,100
1,2-Dichloropropane	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	0.03	0.5
cis-1,3-Dichloropropene	< 0.0018	< 0.0016	< 0.0020	< 0.0023	< 0.0021	< 0.0019	< 0.0020	< 0.0021	< 0.0021	< 0.0019	< 0.0022	< 0.0028	0.005	0.39
trans-1,3-Dichloropropene	< 0.0018	< 0.0016	< 0.0020	< 0.0023	< 0.0021	< 0.0019	< 0.0020	< 0.0021	< 0.0021	< 0.0019	< 0.0022	< 0.0028	0.005	0.39
Ethylbenzene	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	13	58
2-Hexanone	< 0.018	< 0.016	< 0.020	< 0.023	< 0.021	< 0.019	< 0.020	< 0.021	< 0.021	< 0.019	< 0.022	< 0.028	---	---
4-Methyl-2-pentanone	< 0.018	< 0.016	< 0.020	< 0.023	< 0.021	< 0.019	< 0.020	< 0.021	< 0.021	< 0.019	< 0.022	< 0.028	---	---
Methylene chloride	< 0.0091	< 0.0082	< 0.0099	< 0.011	< 0.011	< 0.0096	< 0.0099	< 0.010	< 0.010	< 0.0096	< 0.011	< 0.014	0.02	34
Methyl tert-butyl ether	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	0.32	140
Styrene	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	4	430
1,1,2,2-Tetrachloroethane	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	---	---
Tetrachloroethene	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	0.06	28
Toluene	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	12	42
1,1,1-Trichloroethane	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	2	1,200
1,1,2-Trichloroethane	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	0.02	1,800
Trichloroethene	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	0.06	12
Vinyl chloride	< 0.0046	< 0.0041	< 0.0050	< 0.0057	< 0.0054	< 0.0048	< 0.0049	< 0.0052	< 0.0052	< 0.0048	< 0.0054	< 0.0070	0.01	1.1
Xylenes, Total	< 0.014	< 0.012	< 0.015	< 0.017	< 0.016	< 0.014	< 0.015	< 0.016	< 0.016	< 0.014	< 0.016	< 0.021	5.6	5.6

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

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

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

Shaded values indicate concentration exceeds reference concentration

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-16-01	2531V-16-01	2531V-16-02	2531V-16-02	2531V-17-01	2531V-17-01	2531V-18-01	2531V-18-01 (Dup 6)	2531V-18-01	2531V-18-02	2531V-18-02	2531V-18-03	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-5	5-9	0-5	5-9	0-5	5-9	0-5	0-5	5-9	0-5	5-9	0-5		
Sample Date	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-16	2531V-16	2531V-16	2531V-16	2531V-17	2531V-17	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18		
Parameter														
VOCs, mg/kg														
Acetone	< 0.076	< 0.091	< 0.084	< 0.077	< 0.080	< 0.073	< 0.072	< 0.072	< 0.070	0.14	< 0.060	< 0.061	25	100,000
Benzene	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	0.03	2.2
Bromodichloromethane	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	0.6	2,000
Bromoform	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	0.8	140
Bromomethane	< 0.010	< 0.012	< 0.011	< 0.010	< 0.011	< 0.0097	< 0.0097	< 0.0096	< 0.0093	< 0.012	< 0.0080	< 0.0082	0.2	3.9
2-Butanone	< 0.076	< 0.091	< 0.084	< 0.077	< 0.080	< 0.073	< 0.072	< 0.072	< 0.070	< 0.087	< 0.060	< 0.061	17	---
Carbon disulfide	< 0.050	< 0.061	< 0.056	< 0.052	< 0.053	< 0.049	< 0.048	< 0.048	< 0.046	< 0.058	< 0.040	< 0.041	9	9
Carbon tetrachloride	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	0.07	0.9
Chlorobenzene	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	1	1.3
Chloroethane	< 0.010	< 0.012	< 0.011	< 0.010	< 0.011	< 0.0097	< 0.0097	< 0.0096	< 0.0093	< 0.012	< 0.0080	< 0.0082	---	---
Chloroform	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	0.3	0.76
Chloromethane	< 0.010	< 0.012	< 0.011	< 0.010	< 0.011	< 0.0097	< 0.0097	< 0.0096	< 0.0093	< 0.012	< 0.0080	< 0.0082	---	---
Dibromochloromethane	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	0.4	1,300
1,1-Dichloroethane	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	23	130
1,2-Dichloroethane	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	0.02	0.99
1,1-Dichloroethene	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	0.06	3
cis-1,2-Dichloroethene	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	0.4	1,200
trans-1,2-Dichloroethene	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	0.7	3,100
1,2-Dichloropropane	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	0.03	0.5
cis-1,3-Dichloropropene	< 0.0020	< 0.0024	< 0.0022	< 0.0021	< 0.0021	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0023	< 0.0016	< 0.0016	0.005	0.39
trans-1,3-Dichloropropene	< 0.0020	< 0.0024	< 0.0022	< 0.0021	< 0.0021	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0023	< 0.0016	< 0.0016	0.005	0.39
Ethylbenzene	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	13	58
2-Hexanone	< 0.020	< 0.024	< 0.022	< 0.021	< 0.021	< 0.019	< 0.019	< 0.019	< 0.019	< 0.023	< 0.016	< 0.016	---	---
4-Methyl-2-pentanone	< 0.020	< 0.024	< 0.022	< 0.021	< 0.021	< 0.019	< 0.019	< 0.019	< 0.019	< 0.023	< 0.016	< 0.016	---	---
Methylene chloride	< 0.010	< 0.012	< 0.011	< 0.010	< 0.011	< 0.0097	< 0.0097	< 0.0096	< 0.0093	< 0.012	< 0.0080	< 0.0082	0.02	34
Methyl tert-butyl ether	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	0.32	140
Styrene	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	4	430
1,1,2,2-Tetrachloroethane	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	---	---
Tetrachloroethene	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	0.06	28
Toluene	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	12	42
1,1,1-Trichloroethane	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	2	1,200
1,1,2-Trichloroethane	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	0.02	1,800
Trichloroethene	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	0.06	12
Vinyl chloride	< 0.0050	< 0.0061	< 0.0056	< 0.0052	< 0.0053	< 0.0049	< 0.0048	< 0.0048	< 0.0046	< 0.0058	< 0.0040	< 0.0041	0.01	1.1
Xylenes, Total	< 0.015	< 0.018	< 0.017	< 0.015	< 0.016	< 0.015	< 0.014	< 0.014	< 0.014	< 0.017	< 0.012	< 0.012	5.6	5.6

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

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

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

Shaded values indicate concentration exceeds reference concentration

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-18-03	2531V-18-04	2531V-18-04	2531V-18-05	2531V-18-05	2531V-18-06	2531V-18-06	2531V-18-07	2531V-18-07	2531V-18-07	2531V-18-08	2531V-23-01	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	5-9	0-5	5-9	0-5	5-9	0-5	5-9	0-6	6-12	12-18	0-1	0-1		
Sample Date	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/7/17	8/7/17	8/7/17	8/9/17	8/8/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-23; 2531V-21		
Parameter														
VOCs, mg/kg														
Acetone	< 0.066	< 0.069	< 0.059	< 0.068	< 0.066	< 0.079	< 0.072	< 0.066	< 0.062	< 0.062	< 0.067	< 0.067	25	100,000
Benzene	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	0.03	2.2
Bromodichloromethane	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	0.6	2,000
Bromoform	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	0.8	140
Bromomethane	< 0.0088	< 0.0091	< 0.0078	< 0.0090	< 0.0088	< 0.011	< 0.0096	< 0.0087	< 0.0082	< 0.0082	< 0.0089	< 0.0090	0.2	3.9
2-Butanone	< 0.066	< 0.069	< 0.059	< 0.068	< 0.066	< 0.079	< 0.072	< 0.066	< 0.062	< 0.062	< 0.067	< 0.067	17	---
Carbon disulfide	< 0.044	< 0.046	< 0.039	< 0.045	< 0.044	< 0.053	< 0.048	< 0.044	< 0.041	< 0.041	< 0.045	< 0.045	9	9
Carbon tetrachloride	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	0.07	0.9
Chlorobenzene	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	1	1.3
Chloroethane	< 0.0088	< 0.0091	< 0.0078	< 0.0090	< 0.0088	< 0.011	< 0.0096	< 0.0087	< 0.0082	< 0.0082	< 0.0089	< 0.0090	---	---
Chloroform	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	0.3	0.76
Chloromethane	< 0.0088	< 0.0091	< 0.0078	< 0.0090	< 0.0088	< 0.011	< 0.0096	< 0.0087	< 0.0082	< 0.0082	< 0.0089	< 0.0090	---	---
Dibromochloromethane	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	0.4	1,300
1,1-Dichloroethane	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	23	130
1,2-Dichloroethane	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	0.02	0.99
1,1-Dichloroethene	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	0.06	3
cis-1,2-Dichloroethene	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	0.4	1,200
trans-1,2-Dichloroethene	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	0.7	3,100
1,2-Dichloropropane	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	0.03	0.5
cis-1,3-Dichloropropene	< 0.0018	< 0.0018	< 0.0016	< 0.0018	< 0.0018	< 0.0021	< 0.0019	< 0.0017	< 0.0016	< 0.0016	< 0.0018	< 0.0018	0.005	0.39
trans-1,3-Dichloropropene	< 0.0018	< 0.0018	< 0.0016	< 0.0018	< 0.0018	< 0.0021	< 0.0019	< 0.0017	< 0.0016	< 0.0016	< 0.0018	< 0.0018	0.005	0.39
Ethylbenzene	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	13	58
2-Hexanone	< 0.018	< 0.018	< 0.016	< 0.018	< 0.018	< 0.021	< 0.019	< 0.017	< 0.016	< 0.016	< 0.018	< 0.018	---	---
4-Methyl-2-pentanone	< 0.018	< 0.018	< 0.016	< 0.018	< 0.018	< 0.021	< 0.019	< 0.017	< 0.016	< 0.016	< 0.018	< 0.018	---	---
Methylene chloride	< 0.0088	< 0.0091	< 0.0078	< 0.0090	< 0.0088	< 0.011	< 0.0096	< 0.0087	< 0.0082	< 0.0082	< 0.0089	< 0.0090	0.02	34
Methyl tert-butyl ether	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	0.32	140
Styrene	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	4	430
1,1,2,2-Tetrachloroethane	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	---	---
Tetrachloroethene	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	0.06	28
Toluene	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	12	42
1,1,1-Trichloroethane	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	2	1,200
1,1,2-Trichloroethane	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	0.02	1,800
Trichloroethene	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	0.06	12
Vinyl chloride	< 0.0044	< 0.0046	< 0.0039	< 0.0045	< 0.0044	< 0.0053	< 0.0048	< 0.0044	< 0.0041	< 0.0041	< 0.0045	< 0.0045	0.01	1.1
Xylenes, Total	< 0.013	< 0.014	< 0.012	< 0.014	< 0.013	< 0.016	< 0.014	< 0.013	< 0.012	< 0.012	< 0.013	< 0.013	5.6	5.6

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

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

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

Shaded values indicate concentration exceeds reference concentration

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-23-02	2531V-23-03	2531V-23-04	2531V-32-01	2531V-32-02	2531V-32-03	2531V-33-01	2531V-33-02	2531V-33-03	2531V-33-04	2531V-33-05	2531V-33-06	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1		
Sample Date	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-23; 2531V-21	2531V-23; 2531V-21	2531V-23; 2531V-21	2531V-32	2531V-32	2531V-32	2531V-33	2531V-33	2531V-33	2531V-33	2531V-33	2531V-33		
Parameter														
VOCs, mg/kg														
Acetone	< 0.069	< 0.062	< 0.087	< 0.074	< 0.069	< 0.071	< 0.082	< 0.074	< 0.075	< 0.066	< 0.074	< 0.076	25	100,000
Benzene	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	0.03	2.2
Bromodichloromethane	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	0.6	2,000
Bromoform	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	0.8	140
Bromomethane	< 0.0092	< 0.0083	< 0.012	< 0.0098	< 0.0092	< 0.0095	< 0.011	< 0.0099	< 0.010	< 0.0088	< 0.0099	< 0.010	0.2	3.9
2-Butanone	< 0.069	< 0.062	< 0.087	< 0.074	< 0.069	< 0.071	< 0.082	< 0.074	< 0.075	< 0.066	< 0.074	< 0.076	17	---
Carbon disulfide	< 0.046	< 0.041	< 0.058	< 0.049	< 0.046	< 0.048	< 0.055	< 0.049	< 0.050	< 0.044	< 0.050	< 0.050	9	9
Carbon tetrachloride	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	0.07	0.9
Chlorobenzene	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	1	1.3
Chloroethane	< 0.0092	< 0.0083	< 0.012	< 0.0098	< 0.0092	< 0.0095	< 0.011	< 0.0099	< 0.010	< 0.0088	< 0.0099	< 0.010	---	---
Chloroform	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	0.3	0.76
Chloromethane	< 0.0092	< 0.0083	< 0.012	< 0.0098	< 0.0092	< 0.0095	< 0.011	< 0.0099	< 0.010	< 0.0088	< 0.0099	< 0.010	---	---
Dibromochloromethane	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	0.4	1,300
1,1-Dichloroethane	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	23	130
1,2-Dichloroethane	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	0.02	0.99
1,1-Dichloroethene	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	0.06	3
cis-1,2-Dichloroethene	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	0.4	1,200
trans-1,2-Dichloroethene	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	0.7	3,100
1,2-Dichloropropane	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	0.03	0.5
cis-1,3-Dichloropropene	< 0.0018	< 0.0017	< 0.0023	< 0.0020	< 0.0018	< 0.0019	< 0.0022	< 0.0020	< 0.0020	< 0.0018	< 0.0020	< 0.0020	0.005	0.39
trans-1,3-Dichloropropene	< 0.0018	< 0.0017	< 0.0023	< 0.0020	< 0.0018	< 0.0019	< 0.0022	< 0.0020	< 0.0020	< 0.0018	< 0.0020	< 0.0020	0.005	0.39
Ethylbenzene	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	13	58
2-Hexanone	< 0.018	< 0.017	< 0.023	< 0.020	< 0.018	< 0.019	< 0.022	< 0.020	< 0.020	< 0.018	< 0.020	< 0.020	---	---
4-Methyl-2-pentanone	< 0.018	< 0.017	< 0.023	< 0.020	< 0.018	< 0.019	< 0.022	< 0.020	< 0.020	< 0.018	< 0.020	< 0.020	---	---
Methylene chloride	< 0.0092	< 0.0083	< 0.012	< 0.0098	< 0.0092	< 0.0095	< 0.011	< 0.0099	< 0.010	< 0.0088	< 0.0099	< 0.010	0.02	34
Methyl tert-butyl ether	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	0.32	140
Styrene	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	4	430
1,1,2,2-Tetrachloroethane	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	---	---
Tetrachloroethene	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	0.06	28
Toluene	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	12	42
1,1,1-Trichloroethane	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	2	1,200
1,1,2-Trichloroethane	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	0.02	1,800
Trichloroethene	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	0.06	12
Vinyl chloride	< 0.0046	< 0.0041	< 0.0058	< 0.0049	< 0.0046	< 0.0048	< 0.0055	< 0.0049	< 0.0050	< 0.0044	< 0.0050	< 0.0050	0.01	1.1
Xylenes, Total	< 0.014	< 0.012	< 0.017	< 0.015	< 0.014	< 0.014	< 0.016	< 0.015	< 0.015	< 0.013	< 0.015	< 0.015	5.6	5.6

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

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

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

Shaded values indicate concentration exceeds reference concentration

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-33-06 (Dup 9)	2531V-34-01	2531V-34-01	2531V-34-02	2531V-34-02	2531V-34-03	2531V-34-04	2531V-34-04	2531V-34-05	2531V-34-05	2531V-34-05 (Dup 8)	2531V-34-06	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-1	0-5	5-9	0-7	7-14	0-3.5	0-7	7-14	0-7	7-14	7-14	0-7		
Sample Date	8/8/17	7/27/17	7/27/17	7/27/17	7/27/17	7/27/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-33	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34		
Parameter														
VOCs, mg/kg														
Acetone	< 0.078	< 0.072	0.084	< 0.075	< 0.066	< 0.072	< 0.075	< 0.079	< 0.071	< 0.068	< 0.072	< 0.073	25	100,000
Benzene	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	0.03	2.2
Bromodichloromethane	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	0.6	2,000
Bromoform	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	0.8	140
Bromomethane	< 0.010	< 0.0097	< 0.0099	< 0.010	< 0.0088	< 0.0096	< 0.010	< 0.010	< 0.0095	< 0.0091	< 0.0096	< 0.0098	0.2	3.9
2-Butanone	< 0.078	< 0.072	< 0.074	< 0.075	< 0.066	< 0.072	< 0.075	< 0.079	< 0.071	< 0.068	< 0.072	< 0.073	17	---
Carbon disulfide	< 0.052	< 0.048	< 0.050	< 0.050	< 0.044	< 0.048	< 0.050	< 0.052	< 0.047	< 0.045	< 0.048	< 0.049	9	9
Carbon tetrachloride	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	0.07	0.9
Chlorobenzene	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	1	1.3
Chloroethane	< 0.010	< 0.0097	< 0.0099	< 0.010	< 0.0088	< 0.0096	< 0.010	< 0.010	< 0.0095	< 0.0091	< 0.0096	< 0.0098	---	---
Chloroform	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	0.3	0.76
Chloromethane	< 0.010	< 0.0097	< 0.0099	< 0.010	< 0.0088	< 0.0096	< 0.010	< 0.010	< 0.0095	< 0.0091	< 0.0096	< 0.0098	---	---
Dibromochloromethane	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	0.4	1,300
1,1-Dichloroethane	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	23	130
1,2-Dichloroethane	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	0.02	0.99
1,1-Dichloroethene	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	0.06	3
cis-1,2-Dichloroethene	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	0.4	1,200
trans-1,2-Dichloroethene	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	0.7	3,100
1,2-Dichloropropane	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	0.03	0.5
cis-1,3-Dichloropropene	< 0.0021	< 0.0019	< 0.0020	< 0.0020	< 0.0018	< 0.0019	< 0.0020	< 0.0021	< 0.0019	< 0.0018	< 0.0019	< 0.0020	0.005	0.39
trans-1,3-Dichloropropene	< 0.0021	< 0.0019	< 0.0020	< 0.0020	< 0.0018	< 0.0019	< 0.0020	< 0.0021	< 0.0019	< 0.0018	< 0.0019	< 0.0020	0.005	0.39
Ethylbenzene	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	13	58
2-Hexanone	< 0.021	< 0.019	< 0.020	< 0.020	< 0.018	< 0.019	< 0.020	< 0.021	< 0.019	< 0.018	< 0.019	< 0.020	---	---
4-Methyl-2-pentanone	< 0.021	< 0.019	< 0.020	< 0.020	< 0.018	< 0.019	< 0.020	< 0.021	< 0.019	< 0.018	< 0.019	< 0.020	---	---
Methylene chloride	< 0.010	< 0.0097	< 0.0099	< 0.010	< 0.0088	< 0.0096	< 0.010	< 0.010	< 0.0095	< 0.0091	< 0.0096	< 0.0098	0.02	34
Methyl tert-butyl ether	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	0.32	140
Styrene	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	4	430
1,1,2,2-Tetrachloroethane	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	---	---
Tetrachloroethene	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	0.06	28
Toluene	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	12	42
1,1,1-Trichloroethane	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	2	1,200
1,1,2-Trichloroethane	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	0.02	1,800
Trichloroethene	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	0.06	12
Vinyl chloride	< 0.0052	< 0.0048	< 0.0050	< 0.0050	< 0.0044	< 0.0048	< 0.0050	< 0.0052	< 0.0047	< 0.0045	< 0.0048	< 0.0049	0.01	1.1
Xylenes, Total	< 0.016	< 0.014	< 0.015	< 0.015	< 0.013	< 0.014	< 0.015	< 0.016	< 0.014	< 0.014	< 0.014	< 0.015	5.6	5.6

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

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

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

Shaded values indicate concentration exceeds reference concentration

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-34-06	2531V-34-07	2531V-34-08	2531V-34-09	2531V-34-09	2531V-35-01	2531V-35-01 (Dup 1)	2531V-35-01	2531V-35-02	2531V-36-01	2531V-36-01	2531V-36-02	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	7-14	0-1	0-1	0-7	7-14	0-5	0-5	5-9	0-3.5	0-5	5-9	0-3.5		
Sample Date	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	7/27/17	7/27/17	7/27/17	7/27/17	7/27/17	7/27/17	7/27/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-35	2531V-35	2531V-35	2531V-35	2531V-36	2531V-36	2531V-36		
Parameter														
VOCs, mg/kg														
Acetone	< 0.091	< 0.071	< 0.077	< 0.070	< 0.075	< 0.080	< 0.070	< 0.057	< 0.061	< 0.055	< 0.069	< 0.061	25	100,000
Benzene	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	0.03	2.2
Bromodichloromethane	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	0.6	2,000
Bromoform	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	0.8	140
Bromomethane	< 0.012	< 0.0095	< 0.010	< 0.0093	< 0.010	< 0.011	< 0.0094	< 0.0076	< 0.0082	< 0.0074	< 0.0093	< 0.0082	0.2	3.9
2-Butanone	< 0.091	< 0.071	< 0.077	< 0.070	< 0.075	< 0.080	< 0.070	< 0.057	< 0.061	< 0.055	< 0.069	< 0.061	17	---
Carbon disulfide	< 0.061	< 0.047	< 0.051	< 0.047	< 0.050	< 0.053	< 0.047	< 0.038	< 0.041	< 0.037	< 0.046	< 0.041	9	9
Carbon tetrachloride	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	0.07	0.9
Chlorobenzene	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	1	1.3
Chloroethane	< 0.012	< 0.0095	< 0.010	< 0.0093	< 0.010	< 0.011	< 0.0094	< 0.0076	< 0.0082	< 0.0074	< 0.0093	< 0.0082	---	---
Chloroform	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	0.3	0.76
Chloromethane	< 0.012	< 0.0095	< 0.010	< 0.0093	< 0.010	< 0.011	< 0.0094	< 0.0076	< 0.0082	< 0.0074	< 0.0093	< 0.0082	---	---
Dibromochloromethane	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	0.4	1,300
1,1-Dichloroethane	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	23	130
1,2-Dichloroethane	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	0.02	0.99
1,1-Dichloroethene	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	0.06	3
cis-1,2-Dichloroethene	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	0.4	1,200
trans-1,2-Dichloroethene	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	0.7	3,100
1,2-Dichloropropane	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	0.03	0.5
cis-1,3-Dichloropropene	< 0.0024	< 0.0019	< 0.0021	< 0.0019	< 0.0020	< 0.0021	< 0.0019	< 0.0015	< 0.0016	< 0.0015	< 0.0019	< 0.0016	0.005	0.39
trans-1,3-Dichloropropene	< 0.0024	< 0.0019	< 0.0021	< 0.0019	< 0.0020	< 0.0021	< 0.0019	< 0.0015	< 0.0016	< 0.0015	< 0.0019	< 0.0016	0.005	0.39
Ethylbenzene	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	13	58
2-Hexanone	< 0.024	< 0.019	< 0.021	< 0.019	< 0.020	< 0.021	< 0.019	< 0.015	< 0.016	< 0.015	< 0.019	< 0.016	---	---
4-Methyl-2-pentanone	< 0.024	< 0.019	< 0.021	< 0.019	< 0.020	< 0.021	< 0.019	< 0.015	< 0.016	< 0.015	< 0.019	< 0.016	---	---
Methylene chloride	< 0.012	< 0.0095	< 0.010	< 0.0093	< 0.010	< 0.011	< 0.0094	< 0.0076	< 0.0082	< 0.0074	< 0.0093	< 0.0082	0.02	34
Methyl tert-butyl ether	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	0.32	140
Styrene	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	4	430
1,1,2,2-Tetrachloroethane	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	---	---
Tetrachloroethene	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	0.06	28
Toluene	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	12	42
1,1,1-Trichloroethane	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	2	1,200
1,1,2-Trichloroethane	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	0.02	1,800
Trichloroethene	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	0.06	12
Vinyl chloride	< 0.0061	< 0.0047	< 0.0051	< 0.0047	< 0.0050	< 0.0053	< 0.0047	< 0.0038	< 0.0041	< 0.0037	< 0.0046	< 0.0041	0.01	1.1
Xylenes, Total	< 0.018	< 0.014	< 0.015	< 0.014	< 0.015	< 0.016	< 0.014	< 0.011	< 0.012	< 0.011	< 0.014	< 0.012	5.6	5.6

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

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

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

Shaded values indicate concentration exceeds reference concentration

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-36-03	2531V-37-01	2531V-37-02	2531V-37-03	2531V-37-04	2531V-41-01	2531V-41-02	2531V-41-03	2531V-41-03	2531V-41-04	2531V-41-05	2531V-41-05 (Dup 2)	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-3.5	0-3.5	0-3.5	0-3.5	0-3.5	0-1	0-1	0-7	7-14	0-3.5	0-3.5	0-3.5		
Sample Date	7/27/17	7/27/17	7/27/17	7/27/17	7/27/17	8/7/17	8/7/17	7/27/17	7/27/17	7/27/17	7/27/17	7/27/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-36	2531V-37	2531V-37	2531V-37	2531V-37	2531V-41	2531V-41	2531V-41	2531V-41	2531V-41	2531V-41	2531V-41		
Parameter														
VOCs, mg/kg														
Acetone	< 0.082	< 0.064	< 0.084	0.13	< 0.072	< 0.070	< 0.075	< 0.067	< 0.082	< 0.079	< 0.074	< 0.084	25	100,000
Benzene	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	0.03	2.2
Bromodichloromethane	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	0.6	2,000
Bromoform	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	0.8	140
Bromomethane	< 0.011	< 0.0085	< 0.011	< 0.0098	< 0.0096	< 0.0093	< 0.010	< 0.0090	< 0.011	< 0.010	< 0.0099	< 0.011	0.2	3.9
2-Butanone	< 0.082	< 0.064	< 0.084	< 0.074	< 0.072	< 0.070	< 0.075	< 0.067	< 0.082	< 0.079	< 0.074	< 0.084	17	---
Carbon disulfide	< 0.055	< 0.043	< 0.056	< 0.049	< 0.048	< 0.047	< 0.050	< 0.045	< 0.055	< 0.052	< 0.050	< 0.056	9	9
Carbon tetrachloride	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	0.07	0.9
Chlorobenzene	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	1	1.3
Chloroethane	< 0.011	< 0.0085	< 0.011	< 0.0098	< 0.0096	< 0.0093	< 0.010	< 0.0090	< 0.011	< 0.010	< 0.0099	< 0.011	---	---
Chloroform	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	0.3	0.76
Chloromethane	< 0.011	< 0.0085	< 0.011	< 0.0098	< 0.0096	< 0.0093	< 0.010	< 0.0090	< 0.011	< 0.010	< 0.0099	< 0.011	---	---
Dibromochloromethane	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	0.4	1,300
1,1-Dichloroethane	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	23	130
1,2-Dichloroethane	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	0.02	0.99
1,1-Dichloroethene	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	0.06	3
cis-1,2-Dichloroethene	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	0.4	1,200
trans-1,2-Dichloroethene	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	0.7	3,100
1,2-Dichloropropane	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	0.03	0.5
cis-1,3-Dichloropropene	< 0.0022	< 0.0017	< 0.0022	< 0.0020	< 0.0019	< 0.0019	< 0.0020	< 0.0018	< 0.0022	< 0.0021	< 0.0020	< 0.0022	0.005	0.39
trans-1,3-Dichloropropene	< 0.0022	< 0.0017	< 0.0022	< 0.0020	< 0.0019	< 0.0019	< 0.0020	< 0.0018	< 0.0022	< 0.0021	< 0.0020	< 0.0022	0.005	0.39
Ethylbenzene	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	13	58
2-Hexanone	< 0.022	< 0.017	< 0.022	< 0.020	< 0.019	< 0.019	< 0.020	< 0.018	< 0.022	< 0.021	< 0.020	< 0.022	---	---
4-Methyl-2-pentanone	< 0.022	< 0.017	< 0.022	< 0.020	< 0.019	< 0.019	< 0.020	< 0.018	< 0.022	< 0.021	< 0.020	< 0.022	---	---
Methylene chloride	< 0.011	< 0.0085	< 0.011	< 0.0098	< 0.0096	< 0.0093	< 0.010	< 0.0090	< 0.011	< 0.010	< 0.0099	< 0.011	0.02	34
Methyl tert-butyl ether	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	0.32	140
Styrene	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	4	430
1,1,2,2-Tetrachloroethane	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	---	---
Tetrachloroethene	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	0.06	28
Toluene	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	12	42
1,1,1-Trichloroethane	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	2	1,200
1,1,2-Trichloroethane	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	0.02	1,800
Trichloroethene	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	0.06	12
Vinyl chloride	< 0.0055	< 0.0043	< 0.0056	< 0.0049	< 0.0048	< 0.0047	< 0.0050	< 0.0045	< 0.0055	< 0.0052	< 0.0050	< 0.0056	0.01	1.1
Xylenes, Total	< 0.016	< 0.013	< 0.017	< 0.015	< 0.014	< 0.014	< 0.015	< 0.013	< 0.016	< 0.016	< 0.015	< 0.017	5.6	5.6

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

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

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

Shaded values indicate concentration exceeds reference concentration

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-43-01	2531V-43-02	2531V-43-03	2531V-43-03 (Dup 10)	2531V-43-04	2531V-43-05	2531V-43-05	2531V-43-06	2531V-43-06 (Dup 5)	2531V-43-06	2531V-43-07	2531V-43-07	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-1	0-1	0-1	0-1	0-1	0-5	5-9	0-5	0-5	5-9	0-5	5-9		
Sample Date	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43		
Parameter														
VOCs, mg/kg														
Acetone	< 0.079	< 0.071	< 0.080	< 0.077	< 0.071	< 0.071	< 0.064	< 0.066	< 0.082	< 0.070	< 0.064	< 0.057	25	100,000
Benzene	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	0.03	2.2
Bromodichloromethane	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	0.6	2,000
Bromoform	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	0.8	140
Bromomethane	< 0.010	< 0.0094	< 0.011	< 0.010	< 0.0094	< 0.0094	< 0.0086	< 0.0087	< 0.011	< 0.0093	< 0.0085	< 0.0076	0.2	3.9
2-Butanone	< 0.079	< 0.071	< 0.080	< 0.077	< 0.071	< 0.071	< 0.064	< 0.066	< 0.082	< 0.070	< 0.064	< 0.057	17	---
Carbon disulfide	< 0.052	< 0.047	< 0.053	< 0.051	< 0.047	< 0.047	< 0.043	< 0.044	< 0.054	< 0.047	< 0.042	< 0.038	9	9
Carbon tetrachloride	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	0.07	0.9
Chlorobenzene	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	1	1.3
Chloroethane	< 0.010	< 0.0094	< 0.011	< 0.010	< 0.0094	< 0.0094	< 0.0086	< 0.0087	< 0.011	< 0.0093	< 0.0085	< 0.0076	---	---
Chloroform	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	0.3	0.76
Chloromethane	< 0.010	< 0.0094	< 0.011	< 0.010	< 0.0094	< 0.0094	< 0.0086	< 0.0087	< 0.011	< 0.0093	< 0.0085	< 0.0076	---	---
Dibromochloromethane	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	0.4	1,300
1,1-Dichloroethane	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	23	130
1,2-Dichloroethane	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	0.02	0.99
1,1-Dichloroethene	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	0.06	3
cis-1,2-Dichloroethene	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	0.4	1,200
trans-1,2-Dichloroethene	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	0.7	3,100
1,2-Dichloropropane	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	0.03	0.5
cis-1,3-Dichloropropene	< 0.0021	< 0.0019	< 0.0021	< 0.0020	< 0.0019	< 0.0019	< 0.0017	< 0.0017	< 0.0022	< 0.0019	< 0.0017	< 0.0015	0.005	0.39
trans-1,3-Dichloropropene	< 0.0021	< 0.0019	< 0.0021	< 0.0020	< 0.0019	< 0.0019	< 0.0017	< 0.0017	< 0.0022	< 0.0019	< 0.0017	< 0.0015	0.005	0.39
Ethylbenzene	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	13	58
2-Hexanone	< 0.021	< 0.019	< 0.021	< 0.020	< 0.019	< 0.019	< 0.017	< 0.017	< 0.022	< 0.019	< 0.017	< 0.015	---	---
4-Methyl-2-pentanone	< 0.021	< 0.019	< 0.021	< 0.020	< 0.019	< 0.019	< 0.017	< 0.017	< 0.022	< 0.019	< 0.017	< 0.015	---	---
Methylene chloride	< 0.010	< 0.0094	< 0.011	< 0.010	< 0.0094	< 0.0094	< 0.0086	< 0.0087	< 0.011	< 0.0093	< 0.0085	< 0.0076	0.02	34
Methyl tert-butyl ether	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	0.32	140
Styrene	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	4	430
1,1,2,2-Tetrachloroethane	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	---	---
Tetrachloroethene	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	0.06	28
Toluene	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	12	42
1,1,1-Trichloroethane	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	2	1,200
1,1,2-Trichloroethane	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	0.02	1,800
Trichloroethene	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	0.06	12
Vinyl chloride	< 0.0052	< 0.0047	< 0.0053	< 0.0051	< 0.0047	< 0.0047	< 0.0043	< 0.0044	< 0.0054	< 0.0047	< 0.0042	< 0.0038	0.01	1.1
Xylenes, Total	< 0.016	< 0.014	< 0.016	< 0.015	< 0.014	< 0.014	< 0.013	< 0.013	< 0.016	< 0.014	< 0.013	< 0.011	5.6	5.6

--- - Refers to not applicable or value not available
^{a/} Soil reference concentrations from MAC table. Background values for MSA counties are included as applicable.
^{b/} Soil Remediation Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.
 Shaded values indicate concentration exceeds reference concentration

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-43-08	2531V-43-09	2531V-43-10	2531V-43-11	2531V-43-11	2531V-55-01	2531V-55-02	2531V-56-01	2531V-56-01 (Dup 14)	2531V-56-01	2531V-56-01	2531V-56-02	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-1	0-1	0-1	0-5	5-9	0-1	0-1	0-6	0-6	6-12	12-18	0-6		
Sample Date	8/9/17	8/8/17	8/7/17	8/7/17	8/7/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-55	2531V-55	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56		
Parameter														
VOCs, mg/kg														
Acetone	< 0.085	< 0.071	< 0.069	< 0.066	< 0.071	< 0.094	< 0.053	< 0.065	< 0.076	< 0.089	< 0.078	< 0.069	25	100,000
Benzene	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	0.03	2.2
Bromodichloromethane	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	0.6	2,000
Bromoform	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	0.8	140
Bromomethane	< 0.011	< 0.0094	< 0.0093	< 0.0089	< 0.0095	< 0.012	< 0.0070	< 0.0087	< 0.010	< 0.012	< 0.010	< 0.0092	0.2	3.9
2-Butanone	< 0.085	< 0.071	< 0.069	< 0.066	< 0.071	< 0.094	< 0.053	< 0.065	< 0.076	< 0.089	< 0.078	< 0.069	17	---
Carbon disulfide	< 0.057	< 0.047	< 0.046	< 0.044	< 0.047	< 0.062	< 0.035	< 0.044	< 0.050	< 0.060	< 0.052	< 0.046	9	9
Carbon tetrachloride	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	0.07	0.9
Chlorobenzene	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	1	1.3
Chloroethane	< 0.011	< 0.0094	< 0.0093	< 0.0089	< 0.0095	< 0.012	< 0.0070	< 0.0087	< 0.010	< 0.012	< 0.010	< 0.0092	---	---
Chloroform	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	0.3	0.76
Chloromethane	< 0.011	< 0.0094	< 0.0093	< 0.0089	< 0.0095	< 0.012	< 0.0070	< 0.0087	< 0.010	< 0.012	< 0.010	< 0.0092	---	---
Dibromochloromethane	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	0.4	1,300
1,1-Dichloroethane	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	23	130
1,2-Dichloroethane	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	0.02	0.99
1,1-Dichloroethene	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	0.06	3
cis-1,2-Dichloroethene	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	0.4	1,200
trans-1,2-Dichloroethene	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	0.7	3,100
1,2-Dichloropropane	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	0.03	0.5
cis-1,3-Dichloropropene	< 0.0023	< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0025	< 0.0014	< 0.0017	< 0.0020	< 0.0024	< 0.0021	< 0.0018	0.005	0.39
trans-1,3-Dichloropropene	< 0.0023	< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0025	< 0.0014	< 0.0017	< 0.0020	< 0.0024	< 0.0021	< 0.0018	0.005	0.39
Ethylbenzene	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	13	58
2-Hexanone	< 0.023	< 0.019	< 0.019	< 0.018	< 0.019	< 0.025	< 0.014	< 0.017	< 0.020	< 0.024	< 0.021	< 0.018	---	---
4-Methyl-2-pentanone	< 0.023	< 0.019	< 0.019	< 0.018	< 0.019	< 0.025	< 0.014	< 0.017	< 0.020	< 0.024	< 0.021	< 0.018	---	---
Methylene chloride	< 0.011	< 0.0094	< 0.0093	< 0.0089	< 0.0095	< 0.012	< 0.0070	< 0.0087	< 0.010	< 0.012	< 0.010	< 0.0092	0.02	34
Methyl tert-butyl ether	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	0.32	140
Styrene	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	4	430
1,1,2,2-Tetrachloroethane	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	---	---
Tetrachloroethene	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	0.06	28
Toluene	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	12	42
1,1,1-Trichloroethane	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	2	1,200
1,1,2-Trichloroethane	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	0.02	1,800
Trichloroethene	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	0.06	12
Vinyl chloride	< 0.0057	< 0.0047	< 0.0046	< 0.0044	< 0.0047	< 0.0062	< 0.0035	< 0.0044	< 0.0050	< 0.0060	< 0.0052	< 0.0046	0.01	1.1
Xylenes, Total	< 0.017	< 0.014	< 0.014	< 0.013	< 0.014	< 0.019	< 0.011	< 0.013	< 0.015	< 0.018	< 0.016	< 0.014	5.6	5.6

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

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

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

Shaded values indicate concentration exceeds reference concentration

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-56-02	2531V-56-02	2531V-56-02 (Dup 13)	2531V-56-03	2531V-56-03	2531V-56-03	2531V-56-04	2531V-56-04 (Dup 12)	2531V-56-04	2531V-56-04	2531V-56-05	2531V-56-05	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	6-12	12-18	12-18	0-6	6-12	12-18	0-6	0-6	6-12	12-18	0-6	6-12		
Sample Date	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56		
Parameter														
VOCs, mg/kg														
Acetone	< 0.060	< 0.074	< 0.075	< 0.062	< 0.085	< 0.083	< 0.070	< 0.071	< 0.075	< 0.083	< 0.10	< 0.065	25	100,000
Benzene	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	0.03	2.2
Bromodichloromethane	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	0.6	2,000
Bromoform	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	0.8	140
Bromomethane	< 0.0079	< 0.0099	< 0.010	< 0.0083	< 0.011	< 0.011	< 0.0093	< 0.0094	< 0.010	< 0.011	< 0.014	< 0.0087	0.2	3.9
2-Butanone	< 0.060	< 0.074	< 0.075	< 0.062	< 0.085	< 0.083	< 0.070	< 0.071	< 0.075	< 0.083	< 0.10	< 0.065	17	---
Carbon disulfide	< 0.040	< 0.049	< 0.050	< 0.041	< 0.056	< 0.056	< 0.047	< 0.047	< 0.050	< 0.055	< 0.069	< 0.044	9	9
Carbon tetrachloride	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	0.07	0.9
Chlorobenzene	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	1	1.3
Chloroethane	< 0.0079	< 0.0099	< 0.010	< 0.0083	< 0.011	< 0.011	< 0.0093	< 0.0094	< 0.010	< 0.011	< 0.014	< 0.0087	---	---
Chloroform	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	0.3	0.76
Chloromethane	< 0.0079	< 0.0099	< 0.010	< 0.0083	< 0.011	< 0.011	< 0.0093	< 0.0094	< 0.010	< 0.011	< 0.014	< 0.0087	---	---
Dibromochloromethane	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	0.4	1,300
1,1-Dichloroethane	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	23	130
1,2-Dichloroethane	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	0.02	0.99
1,1-Dichloroethene	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	0.06	3
cis-1,2-Dichloroethene	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	0.4	1,200
trans-1,2-Dichloroethene	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	0.7	3,100
1,2-Dichloropropane	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	0.03	0.5
cis-1,3-Dichloropropene	< 0.0016	< 0.0020	< 0.0020	< 0.0017	< 0.0023	< 0.0022	< 0.0019	< 0.0019	< 0.0020	< 0.0022	< 0.0027	< 0.0017	0.005	0.39
trans-1,3-Dichloropropene	< 0.0016	< 0.0020	< 0.0020	< 0.0017	< 0.0023	< 0.0022	< 0.0019	< 0.0019	< 0.0020	< 0.0022	< 0.0027	< 0.0017	0.005	0.39
Ethylbenzene	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	13	58
2-Hexanone	< 0.016	< 0.020	< 0.020	< 0.017	< 0.023	< 0.022	< 0.019	< 0.019	< 0.020	< 0.022	< 0.027	< 0.017	---	---
4-Methyl-2-pentanone	< 0.016	< 0.020	< 0.020	< 0.017	< 0.023	< 0.022	< 0.019	< 0.019	< 0.020	< 0.022	< 0.027	< 0.017	---	---
Methylene chloride	< 0.0079	< 0.0099	< 0.010	< 0.0083	< 0.011	< 0.011	< 0.0093	< 0.0094	< 0.010	< 0.011	< 0.014	< 0.0087	0.02	34
Methyl tert-butyl ether	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	0.32	140
Styrene	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	4	430
1,1,2,2-Tetrachloroethane	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	---	---
Tetrachloroethene	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	0.06	28
Toluene	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	12	42
1,1,1-Trichloroethane	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	2	1,200
1,1,2-Trichloroethane	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	0.02	1,800
Trichloroethene	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	0.06	12
Vinyl chloride	< 0.0040	< 0.0049	< 0.0050	< 0.0041	< 0.0056	< 0.0056	< 0.0047	< 0.0047	< 0.0050	< 0.0055	< 0.0069	< 0.0044	0.01	1.1
Xylenes, Total	< 0.012	< 0.015	< 0.015	< 0.012	< 0.017	< 0.017	< 0.014	< 0.014	< 0.015	< 0.017	< 0.021	< 0.013	5.6	5.6

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

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

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

Shaded values indicate concentration exceeds reference concentration

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-56-05	2531V-56-06	2531V-56-06	2531V-56-06 (Dup 11)	2531V-56-06	2531V-56-07	2531V-56-07	2531V-56-07	2531V-56-08	2531V-56-08	2531V-56-08	2531V-56-09	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	12-18	0-6	6-12	6-12	12-18	0-6	6-12	12-18	0-6	6-12	12-18	0-6		
Sample Date	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56		
Parameter														
VOCs, mg/kg														
Acetone	< 0.082	< 0.062	< 0.069	< 0.077	< 0.066	< 0.066	< 0.051	< 0.066	< 0.067	< 0.061	< 0.074	< 0.080	25	100,000
Benzene	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	0.03	2.2
Bromodichloromethane	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	0.6	2,000
Bromoform	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	0.8	140
Bromomethane	< 0.011	< 0.0083	< 0.0092	< 0.010	< 0.0087	< 0.0088	< 0.0068	< 0.0088	< 0.0089	< 0.0081	< 0.0099	< 0.011	0.2	3.9
2-Butanone	< 0.082	< 0.062	< 0.069	< 0.077	< 0.066	< 0.066	< 0.051	< 0.066	< 0.067	< 0.061	< 0.074	< 0.080	17	---
Carbon disulfide	< 0.055	< 0.041	< 0.046	< 0.051	< 0.044	< 0.044	< 0.034	< 0.044	< 0.045	< 0.041	< 0.049	< 0.053	9	9
Carbon tetrachloride	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	0.07	0.9
Chlorobenzene	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	1	1.3
Chloroethane	< 0.011	< 0.0083	< 0.0092	< 0.010	< 0.0087	< 0.0088	< 0.0068	< 0.0088	< 0.0089	< 0.0081	< 0.0099	< 0.011	---	---
Chloroform	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	0.3	0.76
Chloromethane	< 0.011	< 0.0083	< 0.0092	< 0.010	< 0.0087	< 0.0088	< 0.0068	< 0.0088	< 0.0089	< 0.0081	< 0.0099	< 0.011	---	---
Dibromochloromethane	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	0.4	1,300
1,1-Dichloroethane	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	23	130
1,2-Dichloroethane	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	0.02	0.99
1,1-Dichloroethene	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	0.06	3
cis-1,2-Dichloroethene	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	0.4	1,200
trans-1,2-Dichloroethene	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	0.7	3,100
1,2-Dichloropropane	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	0.03	0.5
cis-1,3-Dichloropropene	< 0.0022	< 0.0017	< 0.0018	< 0.0021	< 0.0017	< 0.0018	< 0.0014	< 0.0018	< 0.0018	< 0.0016	< 0.0020	< 0.0021	0.005	0.39
trans-1,3-Dichloropropene	< 0.0022	< 0.0017	< 0.0018	< 0.0021	< 0.0017	< 0.0018	< 0.0014	< 0.0018	< 0.0018	< 0.0016	< 0.0020	< 0.0021	0.005	0.39
Ethylbenzene	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	13	58
2-Hexanone	< 0.022	< 0.017	< 0.018	< 0.021	< 0.017	< 0.018	< 0.014	< 0.018	< 0.018	< 0.016	< 0.020	< 0.021	---	---
4-Methyl-2-pentanone	< 0.022	< 0.017	< 0.018	< 0.021	< 0.017	< 0.018	< 0.014	< 0.018	< 0.018	< 0.016	< 0.020	< 0.021	---	---
Methylene chloride	< 0.011	< 0.0083	< 0.0092	< 0.010	< 0.0087	< 0.0088	< 0.0068	< 0.0088	< 0.0089	< 0.0081	< 0.0099	< 0.011	0.02	34
Methyl tert-butyl ether	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	0.32	140
Styrene	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	4	430
1,1,2,2-Tetrachloroethane	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	---	---
Tetrachloroethene	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	0.06	28
Toluene	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	0.0045	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	12	42
1,1,1-Trichloroethane	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	2	1,200
1,1,2-Trichloroethane	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	0.02	1,800
Trichloroethene	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	0.06	12
Vinyl chloride	< 0.0055	< 0.0041	< 0.0046	< 0.0051	< 0.0044	< 0.0044	< 0.0034	< 0.0044	< 0.0045	< 0.0041	< 0.0049	< 0.0053	0.01	1.1
Xylenes, Total	< 0.016	< 0.012	< 0.014	< 0.015	< 0.013	< 0.013	< 0.010	< 0.013	< 0.013	< 0.012	< 0.015	< 0.016	5.6	5.6

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

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

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

Shaded values indicate concentration exceeds reference concentration

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-56-09	2531V-56-09	2531V-56-10	2531V-56-10	2531V-56-10 (Dup 4)	2531V-56-10	2531V-56-11	2531V-56-11	2531V-56-11	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	6-12	12-18	0-6	6-12	6-12	12-18	0-6	6-12	12-18		
Sample Date	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56		
Parameter											
VOCs, mg/kg											
Acetone	0.081	< 0.068	< 0.074	< 0.074	< 0.073	< 0.060	< 0.081	< 0.081	< 0.076	25	100,000
Benzene	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	0.03	2.2
Bromodichloromethane	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	0.6	2,000
Bromoform	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	0.8	140
Bromomethane	< 0.011	< 0.0091	< 0.0099	< 0.0098	< 0.0097	< 0.0080	< 0.011	< 0.011	< 0.010	0.2	3.9
2-Butanone	< 0.080	< 0.068	< 0.074	< 0.074	< 0.073	< 0.060	< 0.081	< 0.081	< 0.076	17	---
Carbon disulfide	< 0.053	< 0.046	< 0.049	< 0.049	< 0.049	< 0.040	< 0.054	< 0.054	< 0.050	9	9
Carbon tetrachloride	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	0.07	0.9
Chlorobenzene	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	1	1.3
Chloroethane	< 0.011	< 0.0091	< 0.0099	< 0.0098	< 0.0097	< 0.0080	< 0.011	< 0.011	< 0.010	---	---
Chloroform	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	0.3	0.76
Chloromethane	< 0.011	< 0.0091	< 0.0099	< 0.0098	< 0.0097	< 0.0080	< 0.011	< 0.011	< 0.010	---	---
Dibromochloromethane	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	0.4	1,300
1,1-Dichloroethane	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	23	130
1,2-Dichloroethane	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	0.02	0.99
1,1-Dichloroethene	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	0.06	3
cis-1,2-Dichloroethene	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	0.4	1,200
trans-1,2-Dichloroethene	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	0.7	3,100
1,2-Dichloropropane	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	0.03	0.5
cis-1,3-Dichloropropene	< 0.0021	< 0.0018	< 0.0020	< 0.0020	< 0.0019	< 0.0016	< 0.0021	< 0.0022	< 0.0020	0.005	0.39
trans-1,3-Dichloropropene	< 0.0021	< 0.0018	< 0.0020	< 0.0020	< 0.0019	< 0.0016	< 0.0021	< 0.0022	< 0.0020	0.005	0.39
Ethylbenzene	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	13	58
2-Hexanone	< 0.021	< 0.018	< 0.020	< 0.020	< 0.019	< 0.016	< 0.021	< 0.022	< 0.020	---	---
4-Methyl-2-pentanone	< 0.021	< 0.018	< 0.020	< 0.020	< 0.019	< 0.016	< 0.021	< 0.022	< 0.020	---	---
Methylene chloride	< 0.011	< 0.0091	< 0.0099	< 0.0098	< 0.0097	< 0.0080	< 0.011	< 0.011	< 0.010	0.02	34
Methyl tert-butyl ether	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	0.32	140
Styrene	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	4	430
1,1,2,2-Tetrachloroethane	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	---	---
Tetrachloroethene	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	0.06	28
Toluene	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	12	42
1,1,1-Trichloroethane	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	2	1,200
1,1,2-Trichloroethane	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	0.02	1,800
Trichloroethene	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	0.06	12
Vinyl chloride	< 0.0053	< 0.0046	< 0.0049	< 0.0049	< 0.0049	< 0.0040	< 0.0054	< 0.0054	< 0.0050	0.01	1.1
Xylenes, Total	< 0.016	< 0.014	< 0.015	< 0.015	< 0.015	< 0.012	< 0.016	< 0.016	< 0.015	5.6	5.6

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

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

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

Shaded values indicate concentration exceeds reference concentration

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-13-01	2531V-13-01	2531V-13-02	2531V-13-02	2531V-13-03	2531V-13-03	2531V-13-03 (Dup 7)	2531V-13-04	2531V-13-04	2531V-14-01	2531V-14-01	2531V-14-02	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-5	5-9	0-5	5-9	0-5	5-9	5-9	0-5	5-9	0-5	5-9	0-6		
Sample Date	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/7/17	8/7/17	8/7/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-13	2531V-13	2531V-13	2531V-13	2531V-13	2531V-13	2531V-13	2531V-13	2531V-13	2531V-14	2531V-14	2531V-14		
Parameter														
SVOCs, mg/kg														
Acenaphthene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	570	120,000
Acenaphthylene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	---	---
Anthracene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	12,000	610,000
benzo(a)anthracene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	0.9 / 1.1 / 1.8	170
Benzo(a)pyrene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	0.09 / 1.3 / 2.1	17
Benzo(b)fluoranthene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	0.9 / 1.5 / 2.1	170
Benzo(g,h,i)perylene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	---	---
Benzo(k)fluoranthene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	9	1,700
Chrysene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	88	17,000
Dibenz(a,h)anthracene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	0.09 / 0.2 / 0.42	17
Fluoranthene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	3,100	82,000
Fluorene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	560	82,000
Indeno(1,2,3-cd)pyrene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	0.9 / 0.9 / 1.6	170
Naphthalene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	1.8	4,100
Phenanthrene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	---	---
Pyrene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	2,300	61,000
Aniline	< 0.39	< 0.39	< 0.40	< 0.42	< 0.41	< 0.39	< 0.38	< 0.40	< 0.40	< 0.38	< 0.38	< 0.40	---	---
Benzidine	< 0.39	< 0.39	< 0.40	< 0.42	< 0.41	< 0.39	< 0.38	< 0.40	< 0.40	< 0.38	< 0.37	< 0.40	---	---
Benzoic acid	< 0.98	< 0.98	< 1.0	< 1.0	< 1.0	< 0.98	< 0.95	< 1.0	< 1.0	< 0.95	< 0.94	< 1.0	400	820,000
Benzyl alcohol	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
Bis(2-chloroethoxy)methane	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
Bis(2-chloroethyl)ether	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	0.66	75
Bis(2-ethylhexyl)phthalate	< 0.98	< 0.98	< 1.0	< 1.0	< 1.0	< 0.98	< 0.95	< 1.0	< 1.0	< 0.95	< 0.94	< 1.0	46	4,100
4-Bromophenyl phenyl ether	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
Butyl benzyl phthalate	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	930	410,000
Carbazole	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	0.6	6,200
4-Chloroaniline	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	820
4-Chloro-3-methylphenol	< 0.39	< 0.39	< 0.40	< 0.42	< 0.41	< 0.39	< 0.38	< 0.40	< 0.40	< 0.38	< 0.37	< 0.40	---	---
2-Chloronaphthalene	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
2-Chlorophenol	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	1.5	10,000
4-Chlorophenyl phenyl ether	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
Dibenzofuran	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
1,2-Dichlorobenzene	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	17	18,000
1,3-Dichlorobenzene	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
1,4-Dichlorobenzene	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	2	---
3,3'-Dichlorobenzidine	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	1.3	280
2,4-Dichlorophenol	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	0.48	610
Diethyl phthalate	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	470	1,000,000
2,4-Dimethylphenol	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	9	41,000
Dimethyl phthalate	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
4,6-Dinitro-2-methylphenol	< 0.39	< 0.39	< 0.40	< 0.42	< 0.41	< 0.39	< 0.38	< 0.40	< 0.40	< 0.38	< 0.37	< 0.40	---	---
2,4-Dinitrophenol	< 0.98	< 0.98	< 1.0	< 1.0	< 1.0	< 0.98	< 0.95	< 1.0	< 1.0	< 0.95	< 0.94	< 1.0	3.3	410
2,4-Dinitrotoluene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	0.25	180
2,6-Dinitrotoluene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	0.26	180
Di-n-butyl phthalate	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	200,000
Di-n-octyl phthalate	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	1,600	4,100
Hexachlorobenzene	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	0.4	78
Hexachlorobutadiene	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
Hexachlorocyclopentadiene	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	1.1	14,000
Hexachloroethane	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	0.5	2,000
Isophorone	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	8	410,000
2-Methylnaphthalene	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
2-Methylphenol	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	15	100,000
4-Methylphenol	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
2-Nitroaniline	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
3-Nitroaniline	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
4-Nitroaniline	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
2-Nitrophenol	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
4-Nitrophenol	< 0.39	< 0.39	< 0.40	< 0.42	< 0.41	< 0.39	< 0.38	< 0.40	< 0.40	< 0.38	< 0.37	< 0.40	---	---
Nitrobenzene	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	0.26	1,000
N-Nitrosodi-n-propylamine	< 0.039	< 0.039	< 0.040	< 0.042	< 0.041	< 0.039	< 0.038	< 0.040	< 0.040	< 0.038	< 0.037	< 0.040	0.0018	18
N-Nitrosodimethylamine	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
N-Nitrosodiphenylamine	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	1	25,000
2, 2'-oxybis(1-Chloropropane)	< 0.20	< 0.20	< 0.21	< 0.21	< 0.21	< 0.20	< 0.19	< 0.2						

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-14-02	2531V-14-02	2531V-14-03	2531V-14-03	2531V-14-03	2531V-14-03 (Dup 3)	2531V-15-01	2531V-15-01	2531V-15-01	2531V-15-02	2531V-15-02	2531V-15-02	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	6-12	12-18	0-6	6-12	12-18	12-18	0-6	6-12	12-18	0-6	6-12	12-18		
Sample Date	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-14	2531V-14	2531V-14	2531V-14	2531V-14	2531V-14	2531V-15	2531V-15	2531V-15	2531V-15	2531V-15	2531V-15		
Parameter														
SVOCs, mg/kg														
Acenaphthene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	570	120,000
Acenaphthylene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	---	---
Anthracene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	12,000	610,000
benzo(a)anthracene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	0.9 / 1.1 / 1.8	170
Benzo(a)pyrene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	0.09 / 1.3 / 2.1	17
Benzo(b)fluoranthene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	0.9 / 1.5 / 2.1	170
Benzo(g,h,i)perylene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	---	---
Benzo(k)fluoranthene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	9	1,700
Chrysene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	88	17,000
Dibenz(a,h)anthracene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	0.09 / 0.2 / 0.42	17
Fluoranthene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	3,100	82,000
Fluorene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	560	82,000
Indeno(1,2,3-cd)pyrene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	0.9 / 0.9 / 1.6	170
Naphthalene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	1.8	4,100
Phenanthrene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	---	---
Pyrene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	2,300	61,000
Aniline	< 0.38	< 0.37	< 0.43	< 0.41	< 0.41	< 0.38	< 0.39	< 0.41	< 0.41	< 0.39	< 0.41	< 0.41	< 0.40	---
Benzdine	< 0.38	< 0.37	< 0.42	< 0.41	< 0.41	< 0.38	< 0.39	< 0.41	< 0.41	< 0.39	< 0.40	< 0.40	---	---
Benzoic acid	< 0.96	< 0.93	< 1.1	< 1.0	< 1.0	< 0.96	< 0.98	< 1.0	< 1.0	< 0.98	< 1.0	< 1.0	400	820,000
Benzyl alcohol	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	---	---
Bis(2-chloroethoxy)methane	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	---	---
Bis(2-chloroethyl)ether	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	0.66	75
Bis(2-ethylhexyl)phthalate	< 0.96	< 0.93	< 1.1	< 1.0	< 1.0	< 0.96	< 0.98	< 1.0	< 1.0	< 0.98	< 1.0	< 1.0	46	4,100
4-Bromophenyl phenyl ether	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	---	---
Butyl benzyl phthalate	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	930	410,000
Carbazole	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	0.6	6,200
4-Chloroaniline	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	---	820
4-Chloro-3-methylphenol	< 0.38	< 0.37	< 0.42	< 0.41	< 0.41	< 0.38	< 0.39	< 0.41	< 0.41	< 0.39	< 0.40	< 0.40	---	---
2-Chloronaphthalene	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	---	---
2-Chlorophenol	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	1.5	10,000
4-Chlorophenyl phenyl ether	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	---	---
Dibenzofuran	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	---	---
1,2-Dichlorobenzene	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	17	18,000
1,3-Dichlorobenzene	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	---	---
1,4-Dichlorobenzene	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	2	---
3,3'-Dichlorobenzidine	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	1.3	280
2,4-Dichlorophenol	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	0.48	610
Diethyl phthalate	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	470	1,000,000
2,4-Dimethylphenol	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	9	41,000
Dimethyl phthalate	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	---	---
4,6-Dinitro-2-methylphenol	< 0.38	< 0.37	< 0.42	< 0.41	< 0.41	< 0.38	< 0.39	< 0.41	< 0.41	< 0.39	< 0.40	< 0.40	---	---
2,4-Dinitrophenol	< 0.96	< 0.93	< 1.1	< 1.0	< 1.0	< 0.96	< 0.98	< 1.0	< 1.0	< 0.98	< 1.0	< 1.0	3.3	410
2,4-Dinitrotoluene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	0.25	180
2,6-Dinitrotoluene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	0.26	180
Di-n-butyl phthalate	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	---	200,000
Di-n-octyl phthalate	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	1,600	4,100
Hexachlorobenzene	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	0.4	78
Hexachlorobutadiene	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	---	---
Hexachlorocyclopentadiene	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	1.1	14,000
Hexachloroethane	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	0.5	2,000
Isophorone	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	8	410,000
2-Methylnaphthalene	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	---	---
2-Methylphenol	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	15	100,000
4-Methylphenol	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	---	---
2-Nitroaniline	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	---	---
3-Nitroaniline	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	---	---
4-Nitroaniline	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	---	---
2-Nitrophenol	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	---	---
4-Nitrophenol	< 0.38	< 0.37	< 0.42	< 0.41	< 0.41	< 0.38	< 0.39	< 0.41	< 0.41	< 0.39	< 0.40	< 0.40	---	---
Nitrobenzene	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	0.26	1,000
N-Nitrosodi-n-propylamine	< 0.038	< 0.037	< 0.042	< 0.041	< 0.041	< 0.038	< 0.039	< 0.041	< 0.041	< 0.039	< 0.040	< 0.040	0.0018	18
N-Nitrosodimethylamine	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	---	---
N-Nitrosodiphenylamine	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20	< 0.20	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	1	25,000
2, 2'-oxybis(1-Chloropropane)	< 0.20	< 0.19	< 0.22	< 0.21	< 0.21	< 0.20								

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-16-01	2531V-16-01	2531V-16-02	2531V-16-02	2531V-17-01	2531V-17-01	2531V-18-01	2531V-18-01 (Dup 6)	2531V-18-01	2531V-18-02	2531V-18-02	2531V-18-03	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-5	5-9	0-5	5-9	0-5	5-9	0-5	0-5	5-9	0-5	5-9	0-5		
Sample Date	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-16	2531V-16	2531V-16	2531V-16	2531V-17	2531V-17	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18		
Parameter														
SVOCs, mg/kg														
Acenaphthene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	570	120,000
Acenaphthylene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	---	---
Anthracene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	12,000	610,000
benzo(a)anthracene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	0.9 / 1.1 / 1.8	170
Benzo(a)pyrene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	0.09 / 1.3 / 2.1	17
Benzo(b)fluoranthene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	0.9 / 1.5 / 2.1	170
Benzo(g,h,i)perylene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	---	---
Benzo(k)fluoranthene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	9	1,700
Chrysene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	88	17,000
Dibenz(a,h)anthracene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	0.09 / 0.2 / 0.42	17
Fluoranthene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	3,100	82,000
Fluorene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	560	82,000
Indeno(1,2,3-cd)pyrene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	0.9 / 0.9 / 1.6	170
Naphthalene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	1.8	4,100
Phenanthrene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	---	---
Pyrene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	2,300	61,000
Aniline	< 0.39	< 0.41	< 0.42	< 0.41	< 0.40	< 0.42	< 0.38	< 0.38	< 0.38	< 0.41	< 0.36	< 0.36	---	---
Benzdine	< 0.39	< 0.41	< 0.42	< 0.41	< 0.39	< 0.42	< 0.37	< 0.38	< 0.37	< 0.41	< 0.36	< 0.36	---	---
Benzoic acid	< 0.98	< 1.0	< 1.1	< 1.0	< 0.99	< 1.0	< 0.94	< 0.95	< 0.94	< 1.0	< 0.90	< 0.90	400	820,000
Benzyl alcohol	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	---	---
Bis(2-chloroethoxy)methane	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	---	---
Bis(2-chloroethyl)ether	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	0.66	75
Bis(2-ethylhexyl)phthalate	< 0.98	< 1.0	< 1.1	< 1.0	< 0.99	< 1.0	< 0.94	< 0.95	< 0.94	< 1.0	< 0.90	< 0.90	46	4,100
4-Bromophenyl phenyl ether	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	---	---
Butyl benzyl phthalate	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	930	410,000
Carbazole	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	0.6	6,200
4-Chloroaniline	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	---	820
4-Chloro-3-methylphenol	< 0.39	< 0.41	< 0.42	< 0.41	< 0.39	< 0.42	< 0.37	< 0.38	< 0.37	< 0.41	< 0.36	< 0.36	---	---
2-Chloronaphthalene	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	---	---
2-Chlorophenol	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	1.5	10,000
4-Chlorophenyl phenyl ether	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	---	---
Dibenzofuran	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	---	---
1,2-Dichlorobenzene	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	17	18,000
1,3-Dichlorobenzene	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	---	---
1,4-Dichlorobenzene	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	2	---
3,3'-Dichlorobenzidine	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	1.3	280
2,4-Dichlorophenol	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	0.48	610
Diethyl phthalate	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	470	1,000,000
2,4-Dimethylphenol	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	9	41,000
Dimethyl phthalate	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	---	---
4,6-Dinitro-2-methylphenol	< 0.39	< 0.41	< 0.42	< 0.41	< 0.39	< 0.42	< 0.37	< 0.38	< 0.37	< 0.41	< 0.36	< 0.36	---	---
2,4-Dinitrophenol	< 0.98	< 1.0	< 1.1	< 1.0	< 0.99	< 1.0	< 0.94	< 0.95	< 0.94	< 1.0	< 0.90	< 0.90	3.3	410
2,4-Dinitrotoluene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	0.25	180
2,6-Dinitrotoluene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	0.26	180
Di-n-butyl phthalate	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	---	200,000
Di-n-octyl phthalate	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	1,600	4,100
Hexachlorobenzene	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	0.4	78
Hexachlorobutadiene	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	---	---
Hexachlorocyclopentadiene	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	1.1	14,000
Hexachloroethane	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	0.5	2,000
Isophorone	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	8	410,000
2-Methylnaphthalene	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	---	---
2-Methylphenol	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	15	100,000
4-Methylphenol	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	---	---
2-Nitroaniline	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	---	---
3-Nitroaniline	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	---	---
4-Nitroaniline	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	---	---
2-Nitrophenol	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	---	---
4-Nitrophenol	< 0.39	< 0.41	< 0.42	< 0.41	< 0.39	< 0.42	< 0.37	< 0.38	< 0.37	< 0.41	< 0.36	< 0.36	---	---
Nitrobenzene	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	0.26	1,000
N-Nitrosodi-n-propylamine	< 0.039	< 0.041	< 0.042	< 0.041	< 0.039	< 0.042	< 0.037	< 0.038	< 0.037	< 0.041	< 0.036	< 0.036	0.0018	18
N-Nitrosodimethylamine	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	---	---
N-Nitrosodiphenylamine	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.21	< 0.18	< 0.19	1	25,000
2, 2'-oxybis(1-Chloropropane)	< 0.20	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.19	<						

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-18-03	2531V-18-04	2531V-18-04	2531V-18-05	2531V-18-05	2531V-18-06	2531V-18-06	2531V-18-07	2531V-18-07	2531V-18-07	2531V-18-08	2531V-23-01	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	5-9	0-5	5-9	0-5	5-9	0-5	5-9	0-6	6-12	12-18	0-1	0-1		
Sample Date	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/7/17	8/7/17	8/7/17	8/9/17	8/8/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-23; 2531V-21		
Parameter														
SVOCs, mg/kg														
Acenaphthene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	0.41	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	570	120,000
Acenaphthylene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	< 0.039	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	---	---
Anthracene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	1.3	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	12,000	610,000
benzo(a)anthracene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	1.4	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	0.9 / 1.1 / 1.8	170
Benzo(a)pyrene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	1.0	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	0.09 / 1.3 / 2.1	17
Benzo(b)fluoranthene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	1.0	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	0.9 / 1.5 / 2.1	170
Benzo(g,h,i)perylene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	0.49	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	---	---
Benzo(k)fluoranthene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	0.71	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	9	1,700
Chrysene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	1.4	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	88	17,000
Dibenz(a,h)anthracene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	0.33	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	0.09 / 0.2 / 0.42	17
Fluoranthene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	3.6	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	3,100	82,000
Fluorene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	0.66	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	560	82,000
Indeno(1,2,3-cd)pyrene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	0.49	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	0.9 / 0.9 / 1.6	170
Naphthalene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	< 0.039	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	1.8	4,100
Phenanthrene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	4.2	0.057	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	---	---
Pyrene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	2.7	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	2,300	61,000
Aniline	< 0.36	< 0.36	< 0.36	< 0.39	< 0.37	< 0.39	< 0.40	< 0.37	< 0.39	< 0.36	< 0.38	< 0.39	---	---
Benzidine	< 0.35	< 0.36	< 0.36	< 0.38	< 0.36	< 0.39	< 0.40	< 0.37	< 0.38	< 0.36	< 0.38	< 0.38	---	---
Benzoic acid	< 0.89	< 0.91	< 0.90	< 0.96	< 0.91	< 0.97	< 1.0	< 0.93	< 0.96	< 0.91	< 0.96	< 0.96	400	820,000
Benzyl alcohol	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	---	---
Bis(2-chloroethoxy)methane	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	---	---
Bis(2-chloroethyl)ether	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	0.66	75
Bis(2-ethylhexyl)phthalate	< 0.89	< 0.91	< 0.90	< 0.96	< 0.91	< 0.97	< 1.0	< 0.93	< 0.96	< 0.91	< 0.96	< 0.96	46	4,100
4-Bromophenyl phenyl ether	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	---	---
Butyl benzyl phthalate	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	930	410,000
Carbazole	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	0.26	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	0.6	6,200
4-Chloroaniline	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	---	820
4-Chloro-3-methylphenol	< 0.35	< 0.36	< 0.36	< 0.38	< 0.36	< 0.39	< 0.40	< 0.37	< 0.38	< 0.36	< 0.38	< 0.38	---	---
2-Chloronaphthalene	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	---	---
2-Chlorophenol	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	1.5	10,000
4-Chlorophenyl phenyl ether	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	---	---
Dibenzofuran	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	0.30	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	---	---
1,2-Dichlorobenzene	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	17	18,000
1,3-Dichlorobenzene	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	---	---
1,4-Dichlorobenzene	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	2	---
3,3'-Dichlorobenzidine	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	1.3	280
2,4-Dichlorophenol	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	0.48	610
Diethyl phthalate	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	470	1,000,000
2,4-Dimethylphenol	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	9	41,000
Dimethyl phthalate	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	---	---
4,6-Dinitro-2-methylphenol	< 0.35	< 0.36	< 0.36	< 0.38	< 0.36	< 0.39	< 0.40	< 0.37	< 0.38	< 0.36	< 0.38	< 0.38	---	---
2,4-Dinitrophenol	< 0.89	< 0.91	< 0.90	< 0.96	< 0.91	< 0.97	< 1.0	< 0.93	< 0.96	< 0.91	< 0.96	< 0.96	3.3	410
2,4-Dinitrotoluene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	< 0.039	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	0.25	180
2,6-Dinitrotoluene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	< 0.039	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	0.26	180
Di-n-butyl phthalate	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	---	200,000
Di-n-octyl phthalate	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	1,600	4,100
Hexachlorobenzene	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	0.4	78
Hexachlorobutadiene	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	---	---
Hexachlorocyclopentadiene	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	1.1	14,000
Hexachloroethane	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	0.5	2,000
Isophorone	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	8	410,000
2-Methylnaphthalene	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	---	---
2-Methylphenol	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	15	100,000
4-Methylphenol	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	---	---
2-Nitroaniline	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	---	---
3-Nitroaniline	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	---	---
4-Nitroaniline	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	---	---
2-Nitrophenol	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	---	---
4-Nitrophenol	< 0.35	< 0.36	< 0.36	< 0.38	< 0.36	< 0.39	< 0.40	< 0.37	< 0.38	< 0.36	< 0.38	< 0.38	---	---
Nitrobenzene	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	< 0.039	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	0.26	1,000
N-Nitrosodi-n-propylamine	< 0.035	< 0.036	< 0.036	< 0.038	< 0.036	< 0.039	< 0.040	< 0.037	< 0.038	< 0.036	< 0.038	< 0.038	0.0018	18
N-Nitrosodimethylamine	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	---	---
N-Nitrosodiphenylamine	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20	1	25,000
2, 2'-oxybis(1-Chloropropane)	< 0.18	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.21	< 0.19	< 0.20	< 0.19	< 0.20	< 0.20</		

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-23-02	2531V-23-03	2531V-23-04	2531V-32-01	2531V-32-02	2531V-32-03	2531V-33-01	2531V-33-02	2531V-33-03	2531V-33-04	2531V-33-05	2531V-33-06	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1		
Sample Date	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-23; 2531V-21	2531V-23; 2531V-21	2531V-23; 2531V-21	2531V-32	2531V-32	2531V-32	2531V-33	2531V-33	2531V-33	2531V-33	2531V-33	2531V-33		
Parameter														
SVOCs, mg/kg														
Acenaphthene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	< 0.036	< 0.040	< 0.039	< 0.038	< 0.038	< 0.038	< 0.039	570	120,000
Acenaphthylene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	< 0.036	< 0.040	< 0.039	< 0.038	< 0.038	< 0.038	< 0.039	---	---
Anthracene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	< 0.036	< 0.040	< 0.039	< 0.038	< 0.038	< 0.038	< 0.039	12,000	610,000
benzo(a)anthracene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	0.16	< 0.040	< 0.039	0.11	< 0.038	< 0.038	< 0.039	0.9 / 1.1 / 1.8	170
Benzo(a)pyrene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	0.069	< 0.040	< 0.039	< 0.038	< 0.038	< 0.038	< 0.039	0.09 / 1.3 / 2.1	17
Benzo(b)fluoranthene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	0.094	< 0.040	< 0.039	< 0.038	< 0.038	< 0.038	< 0.039	0.9 / 1.5 / 2.1	170
Benzo(g,h,i)perylene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	0.17	< 0.040	< 0.039	0.10	< 0.038	< 0.038	< 0.039	---	---
Benzo(k)fluoranthene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	0.063	< 0.040	< 0.039	< 0.038	< 0.038	< 0.038	< 0.039	9	1,700
Chrysene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	0.21	< 0.040	< 0.039	0.15	< 0.038	< 0.038	0.046	88	17,000
Dibenz(a,h)anthracene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	0.13	< 0.040	< 0.039	0.11	< 0.038	< 0.038	< 0.039	0.09 / 0.2 / 0.42	17
Fluoranthene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	0.37	< 0.040	< 0.039	0.27	< 0.038	< 0.038	0.066	3,100	82,000
Fluorene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	< 0.036	< 0.040	< 0.039	< 0.038	< 0.038	< 0.038	< 0.039	560	82,000
Indeno(1,2,3-cd)pyrene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	0.14	< 0.040	< 0.039	0.089	< 0.038	< 0.038	< 0.039	0.9 / 0.9 / 1.6	170
Naphthalene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	< 0.036	< 0.040	< 0.039	< 0.038	< 0.038	< 0.038	< 0.039	1.8	4,100
Phenanthrene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	0.14	< 0.040	< 0.039	0.12	< 0.038	< 0.038	< 0.039	---	---
Pyrene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	0.32	< 0.040	< 0.039	0.23	< 0.038	< 0.038	0.059	2,300	61,000
Aniline	< 0.38	< 0.38	< 0.39	< 0.40	< 0.39	< 0.37	< 0.40	< 0.39	< 0.39	< 0.38	< 0.38	< 0.39	---	---
Benzidine	< 0.37	< 0.37	< 0.39	< 0.40	< 0.38	< 0.36	< 0.40	< 0.39	< 0.38	< 0.38	< 0.38	< 0.39	---	---
Benzoic acid	< 0.94	< 0.94	< 0.97	< 1.0	< 0.96	< 0.91	< 1.0	< 0.98	< 0.96	< 0.95	< 0.94	< 0.98	400	820,000
Benzyl alcohol	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
Bis(2-chloroethoxy)methane	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
Bis(2-chloroethyl)ether	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	0.66	75
Bis(2-ethylhexyl)phthalate	< 0.94	< 0.94	< 0.97	< 1.0	< 0.96	< 0.91	< 1.0	< 0.98	< 0.96	< 0.95	< 0.94	< 0.98	46	4,100
4-Bromophenyl phenyl ether	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
Butyl benzyl phthalate	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	930	410,000
Carbazole	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	0.6	6,200
4-Chloroaniline	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	820
4-Chloro-3-methylphenol	< 0.37	< 0.37	< 0.39	< 0.40	< 0.38	< 0.36	< 0.40	< 0.39	< 0.38	< 0.38	< 0.38	< 0.39	---	---
2-Chloronaphthalene	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
2-Chlorophenol	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	1.5	10,000
4-Chlorophenyl phenyl ether	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
Dibenzofuran	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
1,2-Dichlorobenzene	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	17	18,000
1,3-Dichlorobenzene	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
1,4-Dichlorobenzene	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	2	---
3,3'-Dichlorobenzidine	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	1.3	280
2,4-Dichlorophenol	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	0.48	610
Diethyl phthalate	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	470	1,000,000
2,4-Dimethylphenol	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	9	41,000
Dimethyl phthalate	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
4,6-Dinitro-2-methylphenol	< 0.37	< 0.37	< 0.39	< 0.40	< 0.38	< 0.36	< 0.40	< 0.39	< 0.38	< 0.38	< 0.38	< 0.39	---	---
2,4-Dinitrophenol	< 0.94	< 0.94	< 0.97	< 1.0	< 0.96	< 0.91	< 1.0	< 0.98	< 0.96	< 0.95	< 0.94	< 0.98	3.3	410
2,4-Dinitrotoluene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	< 0.036	< 0.040	< 0.039	< 0.038	< 0.038	< 0.038	< 0.039	0.25	180
2,6-Dinitrotoluene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	< 0.036	< 0.040	< 0.039	< 0.038	< 0.038	< 0.038	< 0.039	0.26	180
Di-n-butyl phthalate	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	200,000
Di-n-octyl phthalate	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	1,600	4,100
Hexachlorobenzene	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	0.4	78
Hexachlorobutadiene	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
Hexachlorocyclopentadiene	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	1.1	14,000
Hexachloroethane	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	0.5	2,000
Isophorone	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	8	410,000
2-Methylnaphthalene	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
2-Methylphenol	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	15	100,000
4-Methylphenol	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
2-Nitroaniline	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
3-Nitroaniline	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
4-Nitroaniline	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
2-Nitrophenol	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
4-Nitrophenol	< 0.37	< 0.37	< 0.39	< 0.40	< 0.38	< 0.36	< 0.40	< 0.39	< 0.38	< 0.38	< 0.38	< 0.39	---	---
Nitrobenzene	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	< 0.036	< 0.040	< 0.039	< 0.038	< 0.038	< 0.038	< 0.039	0.26	1,000
N-Nitrosodi-n-propylamine	< 0.037	< 0.037	< 0.039	< 0.040	< 0.038	< 0.036	< 0.040	< 0.039	< 0.038	< 0.038	< 0.038	< 0.039	0.0018	18
N-Nitrosodimethylamine	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	---	---
N-Nitrosodiphenylamine	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19	< 0.20	1	25,000
2, 2'-oxybis(1-Chloropropane)	< 0.19	< 0.19	< 0.20	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.19			

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-33-06 (Dup 9)	2531V-34-01	2531V-34-01	2531V-34-02	2531V-34-02	2531V-34-03	2531V-34-04	2531V-34-04	2531V-34-05	2531V-34-05	2531V-34-05 (Dup 8)	2531V-34-06	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-1	0-5	5-9	0-7	7-14	0-3.5	0-7	7-14	0-7	7-14	7-14	0-7		
Sample Date	8/8/17	7/27/17	7/27/17	7/27/17	7/27/17	7/27/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-33	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34		
Parameter														
SVOCs, mg/kg														
Acenaphthene	< 0.041	< 0.039	< 0.040	< 0.037	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	< 0.038	< 0.039	< 0.039	570	120,000
Acenaphthylene	< 0.041	< 0.039	< 0.040	< 0.037	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	< 0.038	< 0.039	< 0.039	---	---
Anthracene	< 0.041	< 0.039	< 0.040	< 0.037	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	< 0.038	< 0.039	< 0.039	12,000	610,000
benzo(a)anthracene	< 0.041	< 0.039	< 0.040	< 0.037	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	0.044	< 0.039	< 0.039	0.9 / 1.1 / 1.8	170
Benzo(a)pyrene	< 0.041	< 0.039	< 0.040	< 0.037	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	< 0.038	< 0.039	< 0.039	0.09 / 1.3 / 2.1	17
Benzo(b)fluoranthene	< 0.041	< 0.039	< 0.040	< 0.037	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	< 0.038	< 0.039	< 0.039	0.9 / 1.5 / 2.1	170
Benzo(g,h,i)perylene	0.047	< 0.039	< 0.040	< 0.037	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	< 0.038	< 0.039	< 0.039	---	---
Benzo(k)fluoranthene	< 0.041	< 0.039	< 0.040	< 0.037	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	< 0.038	< 0.039	< 0.039	9	1,700
Chrysene	< 0.041	< 0.039	< 0.040	< 0.037	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	0.052	< 0.039	< 0.039	88	17,000
Dibenz(a,h)anthracene	0.090	< 0.039	< 0.040	< 0.037	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	< 0.038	< 0.039	< 0.039	0.09 / 0.2 / 0.42	17
Fluoranthene	< 0.041	< 0.039	< 0.040	0.053	< 0.039	< 0.037	< 0.040	< 0.039	0.041	0.092	< 0.039	0.040	3,100	82,000
Fluorene	< 0.041	< 0.039	< 0.040	< 0.037	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	< 0.038	< 0.039	< 0.039	560	82,000
Indeno(1,2,3-cd)pyrene	< 0.041	< 0.039	< 0.040	< 0.037	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	< 0.038	< 0.039	< 0.039	0.9 / 0.9 / 1.6	170
Naphthalene	< 0.041	< 0.039	< 0.040	< 0.037	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	< 0.038	< 0.039	< 0.039	1.8	4,100
Phenanthrene	< 0.041	< 0.039	< 0.040	< 0.037	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	0.041	< 0.039	< 0.039	---	---
Pyrene	< 0.041	< 0.039	< 0.040	0.041	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	0.074	< 0.039	0.048	2,300	61,000
Aniline	< 0.41	< 0.40	< 0.40	< 0.37	< 0.39	< 0.37	< 0.41	< 0.39	< 0.38	< 0.38	< 0.39	< 0.39	---	---
Benzidine	< 0.41	< 0.39	< 0.40	< 0.37	< 0.39	< 0.37	< 0.40	< 0.39	< 0.37	< 0.38	< 0.39	< 0.39	---	---
Benzoic acid	< 1.0	< 0.98	< 1.0	< 0.93	< 0.97	< 0.92	< 1.0	< 0.97	< 0.93	< 0.96	< 0.98	< 0.98	400	820,000
Benzyl alcohol	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	---	---
Bis(2-chloroethoxy)methane	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	---	---
Bis(2-chloroethyl)ether	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	0.66	75
Bis(2-ethylhexyl)phthalate	< 1.0	< 0.98	< 1.0	< 0.93	< 0.97	< 0.92	< 1.0	< 0.97	< 0.93	< 0.96	< 0.98	< 0.98	46	4,100
4-Bromophenyl phenyl ether	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	---	---
Butyl benzyl phthalate	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	930	410,000
Carbazole	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	0.6	6,200
4-Chloroaniline	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	---	820
4-Chloro-3-methylphenol	< 0.41	< 0.39	< 0.40	< 0.37	< 0.39	< 0.37	< 0.40	< 0.39	< 0.37	< 0.38	< 0.39	< 0.39	---	---
2-Chloronaphthalene	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	---	---
2-Chlorophenol	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	1.5	10,000
4-Chlorophenyl phenyl ether	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	---	---
Dibenzofuran	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	---	---
1,2-Dichlorobenzene	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	17	18,000
1,3-Dichlorobenzene	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	---	---
1,4-Dichlorobenzene	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	2	---
3,3'-Dichlorobenzidine	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	1.3	280
2,4-Dichlorophenol	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	0.48	610
Diethyl phthalate	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	470	1,000,000
2,4-Dimethylphenol	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	9	41,000
Dimethyl phthalate	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	---	---
4,6-Dinitro-2-methylphenol	< 0.41	< 0.39	< 0.40	< 0.37	< 0.39	< 0.37	< 0.40	< 0.39	< 0.37	< 0.38	< 0.39	< 0.39	---	---
2,4-Dinitrophenol	< 1.0	< 0.98	< 1.0	< 0.93	< 0.97	< 0.92	< 1.0	< 0.97	< 0.93	< 0.96	< 0.98	< 0.98	3.3	410
2,4-Dinitrotoluene	< 0.041	< 0.039	< 0.040	< 0.037	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	< 0.038	< 0.039	< 0.039	0.25	180
2,6-Dinitrotoluene	< 0.041	< 0.039	< 0.040	< 0.037	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	< 0.038	< 0.039	< 0.039	0.26	180
Di-n-butyl phthalate	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	---	200,000
Di-n-octyl phthalate	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	1,600	4,100
Hexachlorobenzene	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	0.4	78
Hexachlorobutadiene	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	---	---
Hexachlorocyclopentadiene	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	1.1	14,000
Hexachloroethane	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	0.5	2,000
Isophorone	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	8	410,000
2-Methylnaphthalene	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	---	---
2-Methylphenol	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	15	100,000
4-Methylphenol	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	---	---
2-Nitroaniline	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	---	---
3-Nitroaniline	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	---	---
4-Nitroaniline	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	---	---
2-Nitrophenol	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	---	---
4-Nitrophenol	< 0.41	< 0.39	< 0.40	< 0.37	< 0.39	< 0.37	< 0.40	< 0.39	< 0.37	< 0.38	< 0.39	< 0.39	---	---
Nitrobenzene	< 0.041	< 0.039	< 0.040	< 0.037	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	< 0.038	< 0.039	< 0.039	0.26	1,000
N-Nitrosodi-n-propylamine	< 0.041	< 0.039	< 0.040	< 0.037	< 0.039	< 0.037	< 0.040	< 0.039	< 0.037	< 0.038	< 0.039	< 0.039	0.0018	18
N-Nitrosodimethylamine	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	---	---
N-Nitrosodiphenylamine	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.19	< 0.20	< 0.20	< 0.20	1	25,000
2, 2'-oxybis(1-Chloropropane)	< 0.21	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	<					

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-34-06	2531V-34-07	2531V-34-08	2531V-34-09	2531V-34-09	2531V-35-01	2531V-35-01 (Dup 1)	2531V-35-01	2531V-35-02	2531V-36-01	2531V-36-01	2531V-36-02	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	7-14	0-1	0-1	0-7	7-14	0-5	0-5	5-9	0-3.5	0-5	5-9	0-3.5		
Sample Date	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	7/27/17	7/27/17	7/27/17	7/27/17	7/27/17	7/27/17	7/27/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-35	2531V-35	2531V-35	2531V-35	2531V-36	2531V-36	2531V-36		
Parameter														
SVOCs, mg/kg														
Acenaphthene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	570	120,000
Acenaphthylene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	---	---
Anthracene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	12,000	610,000
benzo(a)anthracene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	0.9 / 1.1 / 1.8	170
Benzo(a)pyrene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	0.09 / 1.3 / 2.1	17
Benzo(b)fluoranthene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	0.9 / 1.5 / 2.1	170
Benzo(g,h,i)perylene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	---	---
Benzo(k)fluoranthene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	9	1,700
Chrysene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	88	17,000
Dibenz(a,h)anthracene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	0.09 / 0.2 / 0.42	17
Fluoranthene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	3,100	82,000
Fluorene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	560	82,000
Indeno(1,2,3-cd)pyrene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	0.9 / 0.9 / 1.6	170
Naphthalene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	1.8	4,100
Phenanthrene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	---	---
Pyrene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	2,300	61,000
Aniline	< 0.40	< 0.39	< 0.39	< 0.40	< 0.40	< 0.36	< 0.35	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	---	---
Benzdine	< 0.40	< 0.38	< 0.39	< 0.39	< 0.39	< 0.36	< 0.34	< 0.36	< 0.35	< 0.35	< 0.36	< 0.36	---	---
Benzoic acid	< 1.0	< 0.96	< 0.97	< 0.99	< 0.99	< 0.90	< 0.87	< 0.90	< 0.89	< 0.89	< 0.90	< 0.91	400	820,000
Benzyl alcohol	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	---	---
Bis(2-chloroethoxy)methane	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	---	---
Bis(2-chloroethyl)ether	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	0.66	75
Bis(2-ethylhexyl)phthalate	< 1.0	< 0.96	< 0.97	< 0.99	< 0.99	< 0.90	< 0.87	< 0.90	< 0.89	< 0.89	< 0.90	< 0.91	46	4,100
4-Bromophenyl phenyl ether	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	---	---
Butyl benzyl phthalate	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	930	410,000
Carbazole	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	0.6	6,200
4-Chloroaniline	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	---	820
4-Chloro-3-methylphenol	< 0.40	< 0.38	< 0.39	< 0.39	< 0.39	< 0.36	< 0.34	< 0.36	< 0.35	< 0.35	< 0.36	< 0.36	---	---
2-Chloronaphthalene	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	---	---
2-Chlorophenol	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	1.5	10,000
4-Chlorophenyl phenyl ether	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	---	---
Dibenzofuran	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	---	---
1,2-Dichlorobenzene	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	17	18,000
1,3-Dichlorobenzene	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	---	---
1,4-Dichlorobenzene	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	2	---
3,3'-Dichlorobenzidine	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	1.3	280
2,4-Dichlorophenol	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	0.48	610
Diethyl phthalate	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	470	1,000,000
2,4-Dimethylphenol	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	9	41,000
Dimethyl phthalate	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	---	---
4,6-Dinitro-2-methylphenol	< 0.40	< 0.38	< 0.39	< 0.39	< 0.39	< 0.36	< 0.34	< 0.36	< 0.35	< 0.35	< 0.36	< 0.36	---	---
2,4-Dinitrophenol	< 1.0	< 0.96	< 0.97	< 0.99	< 0.99	< 0.90	< 0.87	< 0.90	< 0.89	< 0.89	< 0.90	< 0.91	3.3	410
2,4-Dinitrotoluene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	0.25	180
2,6-Dinitrotoluene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	0.26	180
Di-n-butyl phthalate	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	---	200,000
Di-n-octyl phthalate	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	1,600	4,100
Hexachlorobenzene	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	0.4	78
Hexachlorobutadiene	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	---	---
Hexachlorocyclopentadiene	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	1.1	14,000
Hexachloroethane	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	0.5	2,000
Isophorone	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	8	410,000
2-Methylnaphthalene	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	---	---
2-Methylphenol	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	15	100,000
4-Methylphenol	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	---	---
2-Nitroaniline	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	---	---
3-Nitroaniline	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	---	---
4-Nitroaniline	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	---	---
2-Nitrophenol	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	---	---
4-Nitrophenol	< 0.40	< 0.38	< 0.39	< 0.39	< 0.39	< 0.36	< 0.34	< 0.36	< 0.35	< 0.35	< 0.36	< 0.36	---	---
Nitrobenzene	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	0.26	1,000
N-Nitrosodi-n-propylamine	< 0.040	< 0.038	< 0.039	< 0.039	< 0.039	< 0.036	< 0.034	< 0.036	< 0.035	< 0.035	< 0.036	< 0.036	0.0018	18
N-Nitrosodimethylamine	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	---	---
N-Nitrosodiphenylamine	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	1	25,000
2,2'-oxybis(1-Chloropropane)	< 0.21	< 0.20	< 0.20	< 0.20	< 0.20	<								

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-36-03	2531V-37-01	2531V-37-02	2531V-37-03	2531V-37-04	2531V-41-01	2531V-41-02	2531V-41-03	2531V-41-03	2531V-41-04	2531V-41-05	2531V-41-05 (Dup 2)	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-3.5	0-3.5	0-3.5	0-3.5	0-3.5	0-1	0-1	0-7	7-14	0-3.5	0-3.5	0-3.5		
Sample Date	7/27/17	7/27/17	7/27/17	7/27/17	7/27/17	8/7/17	8/7/17	7/27/17	7/27/17	7/27/17	7/27/17	7/27/17		
Excavation Area(s)														
[ISGS Site No.(s)]	2531V-36	2531V-37	2531V-37	2531V-37	2531V-37	2531V-41	2531V-41	2531V-41	2531V-41	2531V-41	2531V-41	2531V-41		
Parameter														
SVOCs, mg/kg														
Acenaphthene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	< 0.039	< 0.041	< 0.037	< 0.040	< 0.041	570	120,000
Acenaphthylene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	< 0.039	< 0.041	< 0.037	< 0.040	< 0.041	---	---
Anthracene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	< 0.039	< 0.041	< 0.037	< 0.040	< 0.041	12,000	610,000
benzo(a)anthracene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	< 0.039	< 0.041	< 0.037	< 0.040	< 0.041	0.9 / 1.1 / 1.8	170
Benzo(a)pyrene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	< 0.039	< 0.041	< 0.037	< 0.040	< 0.041	0.09 / 1.3 / 2.1	17
Benzo(b)fluoranthene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	< 0.039	< 0.041	< 0.037	< 0.040	< 0.041	0.9 / 1.5 / 2.1	170
Benzo(g,h,i)perylene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	< 0.039	< 0.041	< 0.037	< 0.040	< 0.041	---	---
Benzo(k)fluoranthene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	< 0.039	< 0.041	< 0.037	< 0.040	< 0.041	9	1,700
Chrysene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	< 0.039	< 0.041	< 0.037	< 0.040	< 0.041	88	17,000
Dibenz(a,h)anthracene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	< 0.039	< 0.041	< 0.037	< 0.040	< 0.041	0.09 / 0.2 / 0.42	17
Fluoranthene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	0.049	< 0.041	< 0.037	< 0.040	< 0.041	3,100	82,000
Fluorene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	< 0.039	< 0.041	< 0.037	< 0.040	< 0.041	560	82,000
Indeno(1,2,3-cd)pyrene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	< 0.039	< 0.041	< 0.037	< 0.040	< 0.041	0.9 / 0.9 / 1.6	170
Naphthalene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	< 0.039	< 0.041	< 0.037	< 0.040	< 0.041	1.8	4,100
Phenanthrene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	< 0.039	< 0.041	< 0.037	< 0.040	< 0.041	---	---
Pyrene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	0.042	< 0.041	< 0.037	< 0.040	< 0.041	2,300	61,000
Aniline	< 0.38	< 0.37	< 0.45	< 0.42	< 0.38	< 0.38	< 0.39	< 0.39	< 0.41	< 0.37	< 0.41	< 0.41	---	---
Benzidine	< 0.37	< 0.37	< 0.45	< 0.42	< 0.38	< 0.38	< 0.39	< 0.39	< 0.41	< 0.37	< 0.40	< 0.41	---	---
Benzoic acid	< 0.94	< 0.92	< 1.1	< 1.1	< 0.96	< 0.96	< 0.98	< 0.98	< 1.0	< 0.93	< 1.0	< 1.0	400	820,000
Benzyl alcohol	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	---	---
Bis(2-chloroethoxy)methane	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	---	---
Bis(2-chloroethyl)ether	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	0.66	75
Bis(2-ethylhexyl)phthalate	< 0.94	< 0.92	< 1.1	< 1.1	< 0.96	< 0.96	< 0.98	< 0.98	< 1.0	< 0.93	< 1.0	< 1.0	46	4,100
4-Bromophenyl phenyl ether	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	---	---
Butyl benzyl phthalate	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	930	410,000
Carbazole	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	0.6	6,200
4-Chloroaniline	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	---	820
4-Chloro-3-methylphenol	< 0.37	< 0.37	< 0.45	< 0.42	< 0.38	< 0.38	< 0.39	< 0.39	< 0.41	< 0.37	< 0.40	< 0.41	---	---
2-Chloronaphthalene	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	---	---
2-Chlorophenol	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	1.5	10,000
4-Chlorophenyl phenyl ether	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	---	---
Dibenzofuran	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	---	---
1,2-Dichlorobenzene	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	17	18,000
1,3-Dichlorobenzene	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	---	---
1,4-Dichlorobenzene	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	2	---
3,3'-Dichlorobenzidine	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	1.3	280
2,4-Dichlorophenol	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	0.48	610
Diethyl phthalate	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	470	1,000,000
2,4-Dimethylphenol	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	9	41,000
Dimethyl phthalate	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	---	---
4,6-Dinitro-2-methylphenol	< 0.37	< 0.37	< 0.45	< 0.42	< 0.38	< 0.38	< 0.39	< 0.39	< 0.41	< 0.37	< 0.40	< 0.41	---	---
2,4-Dinitrophenol	< 0.94	< 0.92	< 1.1	< 1.1	< 0.96	< 0.96	< 0.98	< 0.98	< 1.0	< 0.93	< 1.0	< 1.0	3.3	410
2,4-Dinitrotoluene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	< 0.039	< 0.041	< 0.037	< 0.040	< 0.041	0.25	180
2,6-Dinitrotoluene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	< 0.039	< 0.041	< 0.037	< 0.040	< 0.041	0.26	180
Di-n-butyl phthalate	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	---	200,000
Di-n-octyl phthalate	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	1,600	4,100
Hexachlorobenzene	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	0.4	78
Hexachlorobutadiene	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	---	---
Hexachlorocyclopentadiene	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	1.1	14,000
Hexachloroethane	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	0.5	2,000
Isophorone	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	8	410,000
2-Methylnaphthalene	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	---	---
2-Methylphenol	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	15	100,000
4-Methylphenol	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	---	---
2-Nitroaniline	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	---	---
3-Nitroaniline	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	---	---
4-Nitroaniline	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	---	---
2-Nitrophenol	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	---	---
4-Nitrophenol	< 0.37	< 0.37	< 0.45	< 0.42	< 0.38	< 0.38	< 0.39	< 0.39	< 0.41	< 0.37	< 0.40	< 0.41	---	---
Nitrobenzene	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	< 0.039	< 0.041	< 0.037	< 0.040	< 0.041	0.26	1,000
N-Nitrosodi-n-propylamine	< 0.037	< 0.037	< 0.045	< 0.042	< 0.038	< 0.038	< 0.039	< 0.039	< 0.041	< 0.037	< 0.040	< 0.041	0.0018	18
N-Nitrosodimethylamine	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	---	---
N-Nitrosodiphenylamine	< 0.19	< 0.19	< 0.23	< 0.22	< 0.20	< 0.20	< 0.20	< 0.20	< 0.21	< 0.19	< 0.21	< 0.21	1	25,000
2,														

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-43-01	2531V-43-02	2531V-43-03	2531V-43-03 (Dup 10)	2531V-43-04	2531V-43-05	2531V-43-05	2531V-43-06	2531V-43-06 (Dup 5)	2531V-43-06	2531V-43-07	2531V-43-07	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-1	0-1	0-1	0-1	0-1	0-5	5-9	0-5	0-5	5-9	0-5	5-9		
Sample Date	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43		
Parameter														
SVOCs, mg/kg														
Acenaphthene	0.038	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	< 0.038	< 0.037	< 0.037	570	120,000
Acenaphthylene	< 0.037	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	< 0.038	< 0.037	< 0.037	---	---
Anthracene	0.14	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	< 0.038	< 0.037	< 0.037	12,000	610,000
benzo(a)anthracene	0.81	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	< 0.038	< 0.037	< 0.037	0.9 / 1.1 / 1.8	170
Benzo(a)pyrene	0.96	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	< 0.038	< 0.037	< 0.037	0.09 / 1.3 / 2.1	17
Benzo(b)fluoranthene	0.98	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	< 0.038	< 0.037	< 0.037	0.9 / 1.5 / 2.1	170
Benzo(g,h,i)perylene	1.1	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	< 0.038	< 0.037	< 0.037	---	---
Benzo(k)fluoranthene	1.2	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	< 0.038	< 0.037	< 0.037	9	1,700
Chrysene	1.1	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	< 0.038	< 0.037	< 0.037	88	17,000
Dibenz(a,h)anthracene	0.41	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	< 0.038	< 0.037	< 0.037	0.09 / 0.2 / 0.42	17
Fluoranthene	2.1	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	0.064	< 0.037	< 0.037	3,100	82,000
Fluorene	0.053	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	< 0.038	< 0.037	< 0.037	560	82,000
Indeno(1,2,3-cd)pyrene	0.86	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	< 0.038	< 0.037	< 0.037	0.9 / 0.9 / 1.6	170
Naphthalene	< 0.037	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	< 0.038	< 0.037	< 0.037	1.8	4,100
Phenanthrene	0.95	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	0.057	< 0.037	< 0.037	---	---
Pyrene	1.6	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	0.051	< 0.037	< 0.037	2,300	61,000
Aniline	< 0.38	< 0.37	< 0.40	< 3.5	< 0.38	< 0.39	< 0.38	< 0.38	< 0.37	< 0.39	< 0.37	< 0.37	---	---
Benzidine	< 0.37	< 0.37	< 0.40	< 3.4	< 0.37	< 0.38	< 0.38	< 0.38	< 0.37	< 0.38	< 0.37	< 0.37	---	---
Benzoic acid	< 0.94	< 0.93	< 1.0	< 8.6	< 0.94	< 0.96	< 0.95	< 0.95	< 0.93	< 0.97	< 0.92	< 0.93	400	820,000
Benzyl alcohol	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	---
Bis(2-chloroethoxy)methane	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	---
Bis(2-chloroethyl)ether	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	0.66	75
Bis(2-ethylhexyl)phthalate	< 0.94	< 0.93	< 1.0	< 8.6	< 0.94	< 0.96	< 0.95	< 0.95	< 0.93	< 0.97	< 0.92	< 0.93	46	4,100
4-Bromophenyl phenyl ether	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	---
Butyl benzyl phthalate	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	930	410,000
Carbazole	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	0.6	6,200
4-Chloroaniline	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	820
4-Chloro-3-methylphenol	< 0.37	< 0.37	< 0.40	< 3.4	< 0.37	< 0.38	< 0.38	< 0.38	< 0.37	< 0.38	< 0.37	< 0.37	---	---
2-Chloronaphthalene	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	---
2-Chlorophenol	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	1.5	10,000
4-Chlorophenyl phenyl ether	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	---
Dibenzofuran	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	---
1,2-Dichlorobenzene	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	17	18,000
1,3-Dichlorobenzene	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	---
1,4-Dichlorobenzene	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	2	---
3,3'-Dichlorobenzidine	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	1.3	280
2,4-Dichlorophenol	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	0.48	610
Diethyl phthalate	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	470	1,000,000
2,4-Dimethylphenol	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	9	41,000
Dimethyl phthalate	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	---
4,6-Dinitro-2-methylphenol	< 0.37	< 0.37	< 0.40	< 3.4	< 0.37	< 0.38	< 0.38	< 0.38	< 0.37	< 0.38	< 0.37	< 0.37	---	---
2,4-Dinitrophenol	< 0.94	< 0.93	< 1.0	< 8.6	< 0.94	< 0.96	< 0.95	< 0.95	< 0.93	< 0.97	< 0.92	< 0.93	3.3	410
2,4-Dinitrotoluene	< 0.037	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	< 0.038	< 0.037	< 0.037	0.25	180
2,6-Dinitrotoluene	< 0.037	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	< 0.038	< 0.037	< 0.037	0.26	180
Di-n-butyl phthalate	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	200,000
Di-n-octyl phthalate	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	1,600	4,100
Hexachlorobenzene	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	0.4	78
Hexachlorobutadiene	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	---
Hexachlorocyclopentadiene	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	1.1	14,000
Hexachloroethane	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	0.5	2,000
Isophorone	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	8	410,000
2-Methylnaphthalene	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	---
2-Methylphenol	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	15	100,000
4-Methylphenol	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	---
2-Nitroaniline	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	---
3-Nitroaniline	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	---
4-Nitroaniline	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	---
2-Nitrophenol	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	---
4-Nitrophenol	< 0.37	< 0.37	< 0.40	< 3.4	< 0.37	< 0.38	< 0.38	< 0.38	< 0.37	< 0.38	< 0.37	< 0.37	---	---
Nitrobenzene	< 0.037	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	< 0.038	< 0.037	< 0.037	0.26	1,000
N-Nitrosodi-n-propylamine	< 0.037	< 0.037	< 0.040	< 0.34	< 0.037	< 0.038	< 0.038	< 0.038	< 0.037	< 0.038	< 0.037	< 0.037	0.0018	18
N-Nitrosodimethylamine	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	---
N-Nitrosodiphenylamine	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	1	25,000
2, 2'-oxybis(1-Chloropropane)	< 0.19	< 0.19	< 0.21	< 1.8	< 0.19	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.19	---	---
Pentachlorophenol	< 0.076	< 0.075	< 0.											

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-43-08	2531V-43-09	2531V-43-10	2531V-43-11	2531V-43-11	2531V-55-01	2531V-55-02	2531V-56-01	2531V-56-01 (Dup 14)	2531V-56-01	2531V-56-01	2531V-56-02	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-1	0-1	0-1	0-5	5-9	0-1	0-1	0-6	0-6	6-12	12-18	0-6		
Sample Date	8/9/17	8/8/17	8/7/17	8/7/17	8/7/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-55	2531V-55	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56		
Parameter														
SVOCs, mg/kg														
Acenaphthene	< 0.038	< 0.038	< 0.039	< 0.037	< 0.040	< 0.037	< 0.041	< 0.48	< 0.038	< 0.043	< 0.040	< 0.037	570	120,000
Acenaphthylene	< 0.038	< 0.038	< 0.039	< 0.037	< 0.040	< 0.037	< 0.041	< 0.48	< 0.038	< 0.043	< 0.040	< 0.037	---	---
Anthracene	< 0.038	< 0.038	< 0.039	< 0.037	< 0.040	< 0.037	< 0.041	< 0.48	< 0.038	< 0.043	< 0.040	< 0.037	12,000	610,000
benzo(a)anthracene	< 0.038	0.039	< 0.039	< 0.037	< 0.040	0.092	< 0.041	< 0.48	< 0.038	< 0.043	< 0.040	< 0.037	0.9 / 1.1 / 1.8	170
Benzo(a)pyrene	< 0.038	0.038	< 0.039	< 0.037	< 0.040	< 0.037	< 0.041	< 0.48	< 0.038	< 0.043	< 0.040	< 0.037	0.09 / 1.3 / 2.1	17
Benzo(b)fluoranthene	< 0.038	< 0.038	< 0.039	< 0.037	< 0.040	< 0.037	< 0.041	< 0.48	< 0.038	< 0.043	< 0.040	< 0.037	0.9 / 1.5 / 2.1	170
Benzo(g,h,i)perylene	< 0.038	< 0.038	< 0.039	< 0.037	< 0.040	0.12	< 0.041	< 0.48	< 0.038	< 0.043	< 0.040	< 0.037	---	---
Benzo(k)fluoranthene	< 0.038	< 0.038	< 0.039	< 0.037	< 0.040	< 0.037	< 0.041	< 0.48	< 0.038	< 0.043	< 0.040	< 0.037	9	1,700
Chrysene	< 0.038	0.049	< 0.039	< 0.037	< 0.040	0.13	< 0.041	< 0.48	< 0.038	< 0.043	< 0.040	< 0.037	88	17,000
Dibenz(a,h)anthracene	< 0.038	< 0.038	< 0.039	< 0.037	< 0.040	< 0.037	< 0.041	< 0.48	< 0.038	< 0.043	< 0.040	< 0.037	0.09 / 0.2 / 0.42	17
Fluoranthene	< 0.038	0.089	< 0.039	< 0.037	< 0.040	0.21	0.051	< 0.48	0.061	< 0.043	< 0.040	< 0.037	3,100	82,000
Fluorene	< 0.038	< 0.038	< 0.039	< 0.037	< 0.040	< 0.037	< 0.041	< 0.48	< 0.038	< 0.043	< 0.040	< 0.037	560	82,000
Indeno(1,2,3-cd)pyrene	< 0.038	< 0.038	< 0.039	< 0.037	< 0.040	0.089	< 0.041	< 0.48	< 0.038	< 0.043	< 0.040	< 0.037	0.9 / 0.9 / 1.6	170
Naphthalene	< 0.038	< 0.038	< 0.039	< 0.037	< 0.040	< 0.037	< 0.041	< 0.48	< 0.038	< 0.043	< 0.040	< 0.037	1.8	4,100
Phenanthrene	0.069	0.048	< 0.039	< 0.037	< 0.040	0.094	< 0.041	< 0.48	< 0.038	< 0.043	< 0.040	< 0.037	---	---
Pyrene	< 0.038	0.068	< 0.039	< 0.037	< 0.040	0.18	0.045	< 0.48	0.054	< 0.043	< 0.040	< 0.037	2,300	61,000
Aniline	< 0.38	< 0.38	< 0.39	< 0.37	< 0.40	< 0.38	< 0.42	< 4.9	< 0.38	< 0.43	< 0.40	< 0.37	---	---
Benzdine	< 0.38	< 0.38	< 0.39	< 0.37	< 0.40	< 0.37	< 0.41	< 4.8	< 0.38	< 0.43	< 0.40	< 0.37	---	---
Benzoic acid	< 0.95	< 0.95	< 0.98	< 0.93	< 1.0	< 0.94	< 1.0	< 12	< 0.96	< 1.1	< 1.0	< 0.92	400	820,000
Benzyl alcohol	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	---
Bis(2-chloroethoxy)methane	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	---
Bis(2-chloroethyl)ether	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	0.66	75
Bis(2-ethylhexyl)phthalate	< 0.95	< 0.95	< 0.98	< 0.93	< 1.0	< 0.94	< 1.0	< 12	< 0.96	< 1.1	< 1.0	< 0.92	46	4,100
4-Bromophenyl phenyl ether	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	---
Butyl benzyl phthalate	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	930	410,000
Carbazole	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	0.6	6,200
4-Chloroaniline	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	820
4-Chloro-3-methylphenol	< 0.38	< 0.38	< 0.39	< 0.37	< 0.40	< 0.37	< 0.41	< 4.8	< 0.38	< 0.43	< 0.40	< 0.37	---	---
2-Chloronaphthalene	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	---
2-Chlorophenol	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	1.5	10,000
4-Chlorophenyl phenyl ether	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	---
Dibenzofuran	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	---
1,2-Dichlorobenzene	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	17	18,000
1,3-Dichlorobenzene	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	---
1,4-Dichlorobenzene	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	2	---
3,3'-Dichlorobenzidine	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	1.3	280
2,4-Dichlorophenol	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	0.48	610
Diethyl phthalate	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	470	1,000,000
2,4-Dimethylphenol	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	9	41,000
Dimethyl phthalate	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	---
4,6-Dinitro-2-methylphenol	< 0.38	< 0.38	< 0.39	< 0.37	< 0.40	< 0.37	< 0.41	< 4.8	< 0.38	< 0.43	< 0.40	< 0.37	---	---
2,4-Dinitrophenol	< 0.95	< 0.95	< 0.98	< 0.93	< 1.0	< 0.94	< 1.0	< 12	< 0.96	< 1.1	< 1.0	< 0.92	3.3	410
2,4-Dinitrotoluene	< 0.038	< 0.038	< 0.039	< 0.037	< 0.040	< 0.037	< 0.041	< 0.48	< 0.038	< 0.043	< 0.040	< 0.037	0.25	180
2,6-Dinitrotoluene	< 0.038	< 0.038	< 0.039	< 0.037	< 0.040	< 0.037	< 0.041	< 0.48	< 0.038	< 0.043	< 0.040	< 0.037	0.26	180
Di-n-butyl phthalate	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	200,000
Di-n-octyl phthalate	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	1,600	4,100
Hexachlorobenzene	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	0.4	78
Hexachlorobutadiene	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	---
Hexachlorocyclopentadiene	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	1.1	14,000
Hexachloroethane	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	0.5	2,000
Isophorone	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	8	410,000
2-Methylnaphthalene	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	---
2-Methylphenol	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	15	100,000
4-Methylphenol	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	---
2-Nitroaniline	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	---
3-Nitroaniline	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	---
4-Nitroaniline	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	---
2-Nitrophenol	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	---
4-Nitrophenol	< 0.38	< 0.38	< 0.39	< 0.37	< 0.40	< 0.37	< 0.41	< 4.8	< 0.38	< 0.43	< 0.40	< 0.37	---	---
Nitrobenzene	< 0.038	< 0.038	< 0.039	< 0.037	< 0.040	< 0.037	< 0.041	< 0.48	< 0.038	< 0.043	< 0.040	< 0.037	0.26	1,000
N-Nitrosodi-n-propylamine	< 0.038	< 0.038	< 0.039	< 0.037	< 0.040	< 0.037	< 0.041	< 0.48	< 0.038	< 0.043	< 0.040	< 0.037	0.0018	18
N-Nitrosodimethylamine	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	---
N-Nitrosodiphenylamine	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	1	25,000
2, 2'-oxybis(1-Chloropropane)	< 0.20	< 0.20	< 0.20	< 0.19	< 0.21	< 0.19	< 0.21	< 2.5	< 0.20	< 0.22	< 0.20	< 0.19	---	---
Pentachlorophenol	< 0.077	< 0.077	< 0.079</											

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-56-02	2531V-56-02	2531V-56-02 (Dup 13)	2531V-56-03	2531V-56-03	2531V-56-03	2531V-56-04	2531V-56-04 (Dup 12)	2531V-56-04	2531V-56-04	2531V-56-05	2531V-56-05	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	6-12	12-18	12-18	0-6	6-12	12-18	0-6	0-6	6-12	12-18	0-6	6-12		
Sample Date	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56		
Parameter														
SVOCs, mg/kg														
Acenaphthene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	< 0.038	< 0.039	< 0.038	< 0.041	< 0.037	570	120,000
Acenaphthylene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	< 0.038	< 0.039	< 0.038	< 0.041	< 0.037	---	---
Anthracene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	< 0.038	< 0.039	< 0.038	< 0.041	< 0.037	12,000	610,000
benzo(a)anthracene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	< 0.038	< 0.039	< 0.038	< 0.041	< 0.037	0.9 / 1.1 / 1.8	170
Benzo(a)pyrene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	< 0.038	< 0.039	< 0.038	< 0.041	< 0.037	0.09 / 1.3 / 2.1	17
Benzo(b)fluoranthene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	< 0.038	< 0.039	< 0.038	< 0.041	< 0.037	0.9 / 1.5 / 2.1	170
Benzo(g,h,i)perylene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	< 0.038	< 0.039	< 0.038	< 0.041	< 0.037	---	---
Benzo(k)fluoranthene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	< 0.038	< 0.039	< 0.038	< 0.041	< 0.037	9	1,700
Chrysene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	< 0.038	< 0.039	< 0.038	< 0.041	< 0.037	88	17,000
Dibenz(a,h)anthracene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	< 0.038	< 0.039	< 0.038	< 0.041	< 0.037	0.09 / 0.2 / 0.42	17
Fluoranthene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	0.068	< 0.039	< 0.038	< 0.041	< 0.037	3,100	82,000
Fluorene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	< 0.038	< 0.039	< 0.038	< 0.041	< 0.037	560	82,000
Indeno(1,2,3-cd)pyrene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	< 0.038	< 0.039	< 0.038	< 0.041	< 0.037	0.9 / 0.9 / 1.6	170
Naphthalene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	< 0.038	< 0.039	< 0.038	< 0.041	< 0.037	1.8	4,100
Phenanthrene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	0.040	< 0.039	< 0.038	< 0.041	< 0.037	---	---
Pyrene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	0.056	< 0.039	< 0.038	< 0.041	< 0.037	2,300	61,000
Aniline	< 0.39	< 0.35	< 0.39	< 0.37	< 0.37	< 0.35	< 0.38	< 0.38	< 0.40	< 0.38	< 0.41	< 0.38	---	---
Benzidine	< 0.38	< 0.35	< 0.39	< 0.36	< 0.37	< 0.34	< 0.38	< 0.38	< 0.39	< 0.38	< 0.41	< 0.37	---	---
Benzoic acid	< 0.96	< 0.87	< 0.98	< 0.92	< 0.93	< 0.86	< 0.96	< 0.95	< 0.99	< 0.96	< 1.0	< 0.94	400	820,000
Benzyl alcohol	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	---	---
Bis(2-chloroethoxy)methane	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	---	---
Bis(2-chloroethyl)ether	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	0.66	75
Bis(2-ethylhexyl)phthalate	< 0.96	< 0.87	< 0.98	< 0.92	< 0.93	< 0.86	< 0.96	< 0.95	< 0.99	< 0.96	< 1.0	< 0.94	46	4,100
4-Bromophenyl phenyl ether	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	---	---
Butyl benzyl phthalate	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	930	410,000
Carbazole	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	0.6	6,200
4-Chloroaniline	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	---	820
4-Chloro-3-methylphenol	< 0.38	< 0.35	< 0.39	< 0.36	< 0.37	< 0.34	< 0.38	< 0.38	< 0.39	< 0.38	< 0.41	< 0.37	---	---
2-Chloronaphthalene	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	---	---
2-Chlorophenol	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	1.5	10,000
4-Chlorophenyl phenyl ether	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	---	---
Dibenzofuran	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	---	---
1,2-Dichlorobenzene	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	17	18,000
1,3-Dichlorobenzene	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	---	---
1,4-Dichlorobenzene	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	2	---
3,3'-Dichlorobenzidine	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	1.3	280
2,4-Dichlorophenol	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	0.48	610
Diethyl phthalate	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	470	1,000,000
2,4-Dimethylphenol	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	9	41,000
Dimethyl phthalate	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	---	---
4,6-Dinitro-2-methylphenol	< 0.38	< 0.35	< 0.39	< 0.36	< 0.37	< 0.34	< 0.38	< 0.38	< 0.39	< 0.38	< 0.41	< 0.37	---	---
2,4-Dinitrophenol	< 0.96	< 0.87	< 0.98	< 0.92	< 0.93	< 0.86	< 0.96	< 0.95	< 0.99	< 0.96	< 1.0	< 0.94	3.3	410
2,4-Dinitrotoluene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	< 0.038	< 0.039	< 0.038	< 0.041	< 0.037	0.25	180
2,6-Dinitrotoluene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	< 0.038	< 0.039	< 0.038	< 0.041	< 0.037	0.26	180
Di-n-butyl phthalate	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	---	200,000
Di-n-octyl phthalate	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	1,600	4,100
Hexachlorobenzene	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	0.4	78
Hexachlorobutadiene	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	---	---
Hexachlorocyclopentadiene	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	1.1	14,000
Hexachloroethane	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	0.5	2,000
Isophorone	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	8	410,000
2-Methylnaphthalene	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	---	---
2-Methylphenol	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	15	100,000
4-Methylphenol	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	---	---
2-Nitroaniline	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	---	---
3-Nitroaniline	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	---	---
4-Nitroaniline	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	---	---
2-Nitrophenol	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	---	---
4-Nitrophenol	< 0.38	< 0.35	< 0.39	< 0.36	< 0.37	< 0.34	< 0.38	< 0.38	< 0.39	< 0.38	< 0.41	< 0.37	---	---
Nitrobenzene	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	< 0.038	< 0.039	< 0.038	< 0.041	< 0.037	0.26	1,000
N-Nitrosodi-n-propylamine	< 0.038	< 0.035	< 0.039	< 0.036	< 0.037	< 0.034	< 0.038	< 0.038	< 0.039	< 0.038	< 0.041	< 0.037	0.0018	18
N-Nitrosodimethylamine	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	---	---
N-Nitrosodiphenylamine	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0.18	< 0.20	< 0.19	< 0.20	< 0.20	< 0.21	< 0.19	1	25,000
2, 2'-oxybis(1-Chloropropane)	< 0.20	< 0.18	< 0.20	< 0.19	< 0.19	< 0								

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-56-05	2531V-56-06	2531V-56-06	2531V-56-06 (Dup 11)	2531V-56-06	2531V-56-07	2531V-56-07	2531V-56-07	2531V-56-07	2531V-56-08	2531V-56-08	2531V-56-08	2531V-56-09	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	12-18	0-6	6-12	6-12	12-18	0-6	6-12	12-18	0-6	6-12	12-18	0-6			
Sample Date	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56		
Parameter															
SVOCs, mg/kg															
Acenaphthene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	570	120,000	
Acenaphthylene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	---	---	
Anthracene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	12,000	610,000	
benzo(a)anthracene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	0.9 / 1.1 / 1.8	170	
Benzo(a)pyrene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	0.09 / 1.3 / 2.1	17	
Benzo(b)fluoranthene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	0.9 / 1.5 / 2.1	170	
Benzo(g,h,i)perylene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	---	---	
Benzo(k)fluoranthene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	9	1,700	
Chrysene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	88	17,000	
Dibenz(a,h)anthracene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	0.09 / 0.2 / 0.42	17	
Fluoranthene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	3,100	82,000	
Fluorene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	560	82,000	
Indeno(1,2,3-cd)pyrene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	0.9 / 0.9 / 1.6	170	
Naphthalene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	1.8	4,100	
Phenanthrene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	---	---	
Pyrene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	2,300	61,000	
Aniline	< 0.43	< 0.40	< 0.37	< 0.40	< 0.39	< 0.35	< 0.37	< 0.37	< 0.38	< 0.36	< 0.36	< 0.38	---	---	
Benzidine	< 0.43	< 0.40	< 0.37	< 0.39	< 0.38	< 0.35	< 0.36	< 0.37	< 0.38	< 0.36	< 0.36	< 0.37	---	---	
Benzoic acid	< 1.1	< 0.99	< 0.93	< 0.98	< 0.97	< 0.87	< 0.91	< 0.92	< 0.95	< 0.91	< 0.90	< 0.94	400	820,000	
Benzyl alcohol	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	---	---	
Bis(2-chloroethoxy)methane	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	---	---	
Bis(2-chloroethyl)ether	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	0.66	75	
Bis(2-ethylhexyl)phthalate	< 1.1	< 0.99	< 0.93	< 0.98	< 0.97	< 0.87	< 0.91	< 0.92	< 0.95	< 0.91	< 0.90	< 0.94	46	4,100	
4-Bromophenyl phenyl ether	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	---	---	
Butyl benzyl phthalate	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	930	410,000	
Carbazole	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	0.6	6,200	
4-Chloroaniline	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	---	820	
4-Chloro-3-methylphenol	< 0.43	< 0.40	< 0.37	< 0.39	< 0.38	< 0.35	< 0.36	< 0.37	< 0.38	< 0.36	< 0.36	< 0.37	---	---	
2-Chloronaphthalene	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	---	---	
2-Chlorophenol	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	1.5	10,000	
4-Chlorophenyl phenyl ether	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	---	---	
Dibenzofuran	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	---	---	
1,2-Dichlorobenzene	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	17	18,000	
1,3-Dichlorobenzene	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	---	---	
1,4-Dichlorobenzene	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	2	---	
3,3'-Dichlorobenzidine	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	1.3	280	
2,4-Dichlorophenol	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	0.48	610	
Diethyl phthalate	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	470	1,000,000	
2,4-Dimethylphenol	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	9	41,000	
Dimethyl phthalate	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	---	---	
4,6-Dinitro-2-methylphenol	< 0.43	< 0.40	< 0.37	< 0.39	< 0.38	< 0.35	< 0.36	< 0.37	< 0.38	< 0.36	< 0.36	< 0.37	---	---	
2,4-Dinitrophenol	< 1.1	< 0.99	< 0.93	< 0.98	< 0.97	< 0.87	< 0.91	< 0.92	< 0.95	< 0.91	< 0.90	< 0.94	3.3	410	
2,4-Dinitrotoluene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	0.25	180	
2,6-Dinitrotoluene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	0.26	180	
Di-n-butyl phthalate	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	---	200,000	
Di-n-octyl phthalate	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	1,600	4,100	
Hexachlorobenzene	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	0.4	78	
Hexachlorobutadiene	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	---	---	
Hexachlorocyclopentadiene	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	1.1	14,000	
Hexachloroethane	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	0.5	2,000	
Isophorone	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	8	410,000	
2-Methylnaphthalene	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	---	---	
2-Methylphenol	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	15	100,000	
4-Methylphenol	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	---	---	
2-Nitroaniline	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	---	---	
3-Nitroaniline	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	---	---	
4-Nitroaniline	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	---	---	
2-Nitrophenol	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	---	---	
4-Nitrophenol	< 0.43	< 0.40	< 0.37	< 0.39	< 0.38	< 0.35	< 0.36	< 0.37	< 0.38	< 0.36	< 0.36	< 0.37	---	---	
Nitrobenzene	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	0.26	1,000	
N-Nitrosodi-n-propylamine	< 0.043	< 0.040	< 0.037	< 0.039	< 0.038	< 0.035	< 0.036	< 0.037	< 0.038	< 0.036	< 0.036	< 0.037	0.0018	18	
N-Nitrosodimethylamine	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	---	---	
N-Nitrosodiphenylamine	< 0.22	< 0.20	< 0.19	< 0.20	< 0.20	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	1	25,000	
2, 2'-oxybis(1-Chloropropane)	< 0.22	< 0.2													

Table C-1 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Organics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-56-09	2531V-56-09	2531V-56-10	2531V-56-10	2531V-56-10 (Dup 4)	2531V-56-10	2531V-56-11	2531V-56-11	2531V-56-11	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	6-12	12-18	0-6	6-12	6-12	12-18	0-6	6-12	12-18		
Sample Date	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56		
Parameter											
SVOCs, mg/kg											
Acenaphthene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	570	120,000
Acenaphthylene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	---	---
Anthracene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	12,000	610,000
benzo(a)anthracene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	0.9 / 1.1 / 1.8	170
Benzo(a)pyrene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	0.09 / 1.3 / 2.1	17
Benzo(b)fluoranthene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	0.9 / 1.5 / 2.1	170
Benzo(g,h,i)perylene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	---	---
Benzo(k)fluoranthene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	9	1,700
Chrysene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	88	17,000
Dibenz(a,h)anthracene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	0.09 / 0.2 / 0.42	17
Fluoranthene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	3,100	82,000
Fluorene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	560	82,000
Indeno(1,2,3-cd)pyrene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	0.9 / 0.9 / 1.6	170
Naphthalene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	1.8	4,100
Phenanthrene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	---	---
Pyrene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	2,300	61,000
Aniline	< 0.38	< 0.38	< 0.41	< 0.39	< 0.40	< 0.37	< 0.43	< 0.41	< 0.41	---	---
Benzidine	< 0.38	< 0.38	< 0.40	< 0.38	< 0.40	< 0.36	< 0.42	< 0.40	< 0.41	---	---
Benzoic acid	< 0.94	< 0.96	< 1.0	< 0.96	< 1.0	< 0.92	< 1.1	< 1.0	< 1.0	400	820,000
Benzyl alcohol	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	---
Bis(2-chloroethoxy)methane	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	---
Bis(2-chloroethyl)ether	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	0.66	75
Bis(2-ethylhexyl)phthalate	< 0.94	< 0.96	< 1.0	< 0.96	< 1.0	< 0.92	< 1.1	< 1.0	< 1.0	46	4,100
4-Bromophenyl phenyl ether	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	---
Butyl benzyl phthalate	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	930	410,000
Carbazole	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	0.6	6,200
4-Chloroaniline	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	820
4-Chloro-3-methylphenol	< 0.38	< 0.38	< 0.40	< 0.38	< 0.40	< 0.36	< 0.42	< 0.40	< 0.41	---	---
2-Chloronaphthalene	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	---
2-Chlorophenol	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	1.5	10,000
4-Chlorophenyl phenyl ether	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	---
Dibenzofuran	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	---
1,2-Dichlorobenzene	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	17	18,000
1,3-Dichlorobenzene	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	---
1,4-Dichlorobenzene	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	2	---
3,3'-Dichlorobenzidine	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	1.3	280
2,4-Dichlorophenol	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	0.48	610
Diethyl phthalate	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	470	1,000,000
2,4-Dimethylphenol	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	9	41,000
Dimethyl phthalate	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	---
4,6-Dinitro-2-methylphenol	< 0.38	< 0.38	< 0.40	< 0.38	< 0.40	< 0.36	< 0.42	< 0.40	< 0.41	---	---
2,4-Dinitrophenol	< 0.94	< 0.96	< 1.0	< 0.96	< 1.0	< 0.92	< 1.1	< 1.0	< 1.0	3.3	410
2,4-Dinitrotoluene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	0.25	180
2,6-Dinitrotoluene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	0.26	180
Di-n-butyl phthalate	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	200,000
Di-n-octyl phthalate	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	1,600	4,100
Hexachlorobenzene	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	0.4	78
Hexachlorobutadiene	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	---
Hexachlorocyclopentadiene	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	1.1	14,000
Hexachloroethane	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	0.5	2,000
Isophorone	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	8	410,000
2-Methylnaphthalene	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	---
2-Methylphenol	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	15	100,000
4-Methylphenol	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	---
2-Nitroaniline	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	---
3-Nitroaniline	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	---
4-Nitroaniline	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	---
2-Nitrophenol	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	---
4-Nitrophenol	< 0.38	< 0.38	< 0.40	< 0.38	< 0.40	< 0.36	< 0.42	< 0.40	< 0.41	---	---
Nitrobenzene	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	0.26	1,000
N-Nitrosodi-n-propylamine	< 0.038	< 0.038	< 0.040	< 0.038	< 0.040	< 0.036	< 0.042	< 0.040	< 0.041	0.0018	18
N-Nitrosodimethylamine	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	---
N-Nitrosodiphenylamine	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	1	25,000
2, 2'-oxybis(1-Chloropropane)	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	---	---
Pentachlorophenol	< 0.076	< 0.077	< 0.082	< 0.078	< 0.081	< 0.074	< 0.086	< 0.082	< 0.082	0.02	520
Phenol	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	100	61,000
Pyridine	< 0.76	< 0.77	< 0.82	< 0.78	< 0.81	< 0.74	< 0.86	< 0.82	< 0.82	---	---
1,2,4-Trichlorobenzene	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	5	2,000
2,4,5-Trichlorophenol	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	26	200,000
2,4,6-Trichlorophenol	< 0.19	< 0.20	< 0.21	< 0.20	< 0.21	< 0.19	< 0.22	< 0.21	< 0.21	0.66	11,000

--- - 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.

Shaded values indicate concentration exceeds reference concentration

Table C-2
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Inorganics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-13-01	2531V-13-01	2531V-13-02	2531V-13-02	2531V-13-03	2531V-13-03	2531V-13-03 (Dup 7)	2531V-13-04	2531V-13-04	2531V-13-04	2531V-14-01	2531V-14-01	2531V-14-02	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-5	5-9	0-5	5-9	0-5	5-9	5-9	0-5	5-9	5-9	0-5	5-9	0-6		
Sample Date	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/7/17	8/7/17	8/7/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-13	2531V-13	2531V-13	2531V-13	2531V-13	2531V-13	2531V-13	2531V-13	2531V-13	2531V-13	2531V-14	2531V-14	2531V-14		
Parameter															
Laboratory soil pH (s.u.)	8.54	8.08	7.57	6.45	7.64	7.72	8.53	7.56	7.71	9.04	8.23	8.96	<6.25, >9.0	---	
Total Metals, mg/kg															
Aluminum	9800	10000	14000	19000	20000	19000	11000	15000	13000		9000	8300	11000	---	---
Antimony	< 2.0	< 2.1	< 2.2	< 2.2	< 2.1	< 2.1	< 2.0	< 2.1	< 2.1	< 2.1	< 2.0	< 2.0	< 2.1	5	82
Arsenic	11	7.9	6.2	3.7	12	14	7.6	8.3	9.5	7.2	6.4	9.0	11.3 / 13	61	
Barium	75	52	140	180	110	200	67	150	130	94	29	97	1,500	14,000	
Beryllium	0.52	0.67	0.86	0.97	1.2	1.1	0.63	0.87	0.79	< 0.49	< 0.51	0.59	22	410	
Cadmium	< 0.50	< 0.52	< 0.55	< 0.54	< 0.52	< 0.52	< 0.50	< 0.53	< 0.52	< 0.49	< 0.51	< 0.54	5.2	200	
Calcium	95000	89000	3800	4800	13000	16000	29000	24000	52000	33000	86000	33000	---	---	
Chromium	17	20	20	27	30	32	21	23	24	14	15	16	21	690	
Cobalt	15	10	11	6.8	11	15	12	11	11	7.9	9.4	11	20	12,000	
Copper	25	35	20	21	31	35	23	26	29	17	23	20	2,900	8,200	
Iron	30000	25000	19000	22000	35000	35000	24000	25000	25000	18000	19000	21000	15,000 / 15,900	---	
Lead	15	20	20	14	19	19	110	30	65	15	12	24	107	700	
Magnesium	54000	47000	3700	5000	10000	13000	18000	14000	27000	19000	47000	20000	325,000	730,000	
Manganese	1600	630	390	120	610	860	510	520	990	630	400	730	630 / 636	4,100	
Mercury	0.024	0.023	0.035	0.050	0.040	0.025	< 0.021	0.026	< 0.023	< 0.018	< 0.020	0.029	0.89	0.1	
Nickel	30	28	23	26	44	38	24	26	29	17	20	20	100	4,100	
Potassium	1500	2000	1100	1200	2200	2600	1400	1500	2000	910	1800	1100	---	---	
Selenium	< 1.0	< 1.0	< 1.1	< 1.1	1.1	< 1.0	< 0.99	< 1.1	< 1.0	< 0.99	2.0	< 1.1	1.3	1,000	
Silver	< 1.0	< 1.0	< 1.1	< 1.1	< 1.0	< 1.0	< 0.99	< 1.1	< 1.0	< 0.99	< 1.0	< 1.1	4.4	1,000	
Sodium	1200	870	1500	950	1600	970	1300	810	410	890	290	1300	---	---	
Thallium	< 1.0	< 1.0	< 1.1	< 1.1	< 1.0	< 1.0	< 0.99	< 1.1	< 1.0	< 0.99	< 1.0	< 1.1	2.6	160	
Vanadium	28	25	33	37	44	48	25	38	37	24	19	26	550	1,400	
Zinc	67	75	67	83	91	92	66	81	88	57	54	59	5,100	61,000	
TCLP Metals, mg/L													Class I Groundwater ^{c/}		
Arsenic	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.010	< 0.010	< 0.010	< 0.010	---	0.05	
Barium	0.53	0.38	0.48	0.25	0.41	1.3	0.18	1.4	1.4	0.59	0.29	0.44	2	2	
Beryllium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.004	0.004	
Cadmium	< 0.0050	0.0062	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.005	0.005	
Chromium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.1	0.1	
Cobalt	< 0.010	0.054	0.075	0.013	< 0.010	< 0.010	0.045	0.040	0.085	< 0.010	< 0.010	< 0.010	1	1	
Copper	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.65	0.65	
Iron	< 0.25	< 0.25	0.33	0.26	< 0.25	< 0.25	1.6	0.96	0.35	< 0.25	< 0.25	< 0.25	5	5	
Lead	< 0.0050	< 0.0050	0.0083	0.0096	< 0.0050	< 0.0050	< 0.0050	0.0074	0.028	< 0.0050	< 0.0050	< 0.0050	0.0075	0.0075	
Manganese	0.75	6.2	10	0.68	0.97	0.45	2.3	14	13	0.31	0.74	0.66	0.15	0.15	
Mercury	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.002	0.002	
Nickel	< 0.010	0.057	0.035	0.021	0.059	0.013	< 0.010	0.042	0.11	< 0.010	0.011	< 0.010	0.1	0.1	
Selenium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05	
Silver	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05	
Zinc	< 0.050	< 0.050	< 0.050	0.14	< 0.050	< 0.050	< 0.050	0.053	0.17	< 0.050	< 0.050	< 0.050	5	5	
SPLP Metals, mg/L															
Arsenic	0.0049	< 0.0040	0.0099	< 0.0040	0.0098	0.0069	< 0.0040	0.0061	< 0.0040	0.0053	< 0.0040	0.0077	---	0.05	
Barium	< 0.020	0.024	0.036	< 0.020	0.065	0.040	< 0.020	0.024	0.032	0.027	< 0.020	0.032	2	2	
Beryllium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.004	0.004	
Cadmium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.005	0.005	
Chromium	0.0072	0.0092	0.010	0.0057	0.020	0.013	< 0.0040	0.0049	0.0043	0.0076	< 0.0040	0.010	0.1	0.1	
Cobalt	< 0.0040	< 0.0040	0.0045	< 0.0040	0.0048	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	1	1	
Copper	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	0.65	0.65	
Iron	8.1	8.4	9.4	2.9	22	13	0.84	4.3	2.4	8.4	2.4	5.1	5	5	
Lead	0.0046	0.0042	0.0071	< 0.0020	0.0073	0.0048	0.0050	0.0033	0.0036	0.0037	< 0.0020	0.0022	0.0075	0.0075	
Manganese	0.094	0.047	0.082	0.011	0.14	0.074	0.025	0.050	0.033	0.091	0.0071	0.034	0.15	0.15	
Mercury	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	0.002	0.002	
Nickel	0.0073	0.010	0.012	< 0.0040	0.025	0.0097	< 0.0040	0.0053	0.0059	0.0088	< 0.0040	0.0050	0.1	0.1	
Selenium	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05	
Silver	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05	
Zinc	0.031	0.033	0.026	< 0.020	0.060	0.038	< 0.020	< 0.020	< 0.020	0.028	< 0.020	0.054	5	5	

--- - 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 Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.

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

Shaded values indicate concentration exceeds reference concentration

Table C-2 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Inorganics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-14-02	2531V-14-02	2531V-14-03	2531V-14-03	2531V-14-03	2531V-14-03 (Dup 3)	2531V-15-01	2531V-15-01	2531V-15-01	2531V-15-02	2531V-15-02	2531V-15-02	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	6-12	12-18	0-6	6-12	12-18	12-18	0-6	6-12	12-18	0-6	6-12	12-18		
Sample Date	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-14	2531V-14	2531V-14	2531V-14	2531V-14	2531V-14	2531V-15	2531V-15	2531V-15	2531V-15	2531V-15	2531V-15		
Parameter														
Laboratory soil pH (s.u.)	8.35	8.05	8.58	8.97	7.25	7.62	8.08	7.98	7.8	8.59	8.11	7.45	<6.25, >9.0	---
Total Metals, mg/kg														
Aluminum	2800	6300	12000	9200	7900	11000	10000	12000	8400	11000	9600	9000	---	---
Antimony	5.4	< 1.9	< 2.2	< 2.1	< 2.1	< 2.1	< 2.0	< 2.2	< 2.2	< 2.0	4.4	< 2.1	5	82
Arsenic	14	7.8	13	8.5	7.6	5.2	8.0	12	7.4	7.5	11	5.4	11.3 / 13	61
Barium	23	24	140	89	74	82	99	110	76	120	82	74	1,500	14,000
Beryllium	< 0.52	< 0.48	0.74	0.54	< 0.53	0.73	0.55	0.63	< 0.54	0.61	0.58	0.54	22	410
Cadmium	< 0.52	< 0.48	< 0.54	< 0.53	< 0.53	< 0.52	< 0.50	< 0.55	< 0.54	< 0.50	< 0.53	< 0.52	5.2	200
Calcium	95000	86000	44000	47000	58000	83000	36000	29000	53000	33000	52000	55000	---	---
Chromium	7.2	12	20	16	14	21	17	20	16	16	18	17	21	690
Cobalt	9.2	9.4	13	9.0	9.0	12	7.7	10	11	9.8	14	10	20	12,000
Copper	24	23	27	20	21	29	20	26	24	19	25	24	2,900	8,200
Iron	21000	17000	26000	19000	18000	25000	20000	33000	22000	19000	17000	22000	15,000 / 15,900	---
Lead	12	11	17	12	12	17	15	16	13	18	15	13	107	700
Magnesium	54000	44000	23000	23000	27000	46000	20000	16000	27000	18000	25000	28000	325,000	730,000
Manganese	660	450	950	370	600	660	530	710	610	630	280	570	630 / 636	4,100
Mercury	< 0.021	< 0.021	0.024	< 0.023	< 0.025	< 0.023	0.027	0.025	< 0.025	0.026	0.022	< 0.023	0.89	0.1
Nickel	21	21	37	17	23	32	20	32	28	22	22	27	100	4,100
Potassium	540	1500	1300	1300	1400	2300	1200	1400	1600	970	1700	1900	---	---
Selenium	< 1.0	< 0.97	< 1.1	< 1.1	< 1.1	< 1.0	< 0.99	< 1.1	< 1.1	< 0.99	< 1.1	< 1.0	1.3	1,000
Silver	< 1.0	< 0.97	< 1.1	< 1.1	< 1.1	< 1.0	< 0.99	< 1.1	< 1.1	< 0.99	< 1.1	< 1.0	4.4	1,000
Sodium	410	180	930	800	880	860	130	130	120	670	1000	570	---	---
Thallium	< 1.0	< 0.97	< 1.1	< 1.1	< 1.1	< 1.0	< 0.99	< 1.1	< 1.1	< 0.99	< 1.1	< 1.0	2.6	160
Vanadium	9.5	15	34	25	22	30	27	32	22	25	27	23	550	1,400
Zinc	79	47	68	57	56	81	65	77	67	57	69	66	5,100	61,000
													Class I Groundwater ^{c/}	
TCLP Metals, mg/L														
Arsenic	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.029	< 0.010	< 0.010	< 0.010	---	0.05
Barium	0.40	0.28	0.82	0.79	0.83	0.63	0.57	0.63	0.83	0.77	0.83	0.83	2	2
Beryllium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.004	0.004
Cadmium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0051	< 0.0050	0.0065	< 0.0050	0.005	0.005
Chromium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.1	0.1
Cobalt	< 0.010	0.059	< 0.010	< 0.010	0.084	0.099	0.039	< 0.010	0.13	< 0.010	0.035	0.068	1	1
Copper	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.65	0.65
Iron	< 0.25	0.73	< 0.25	< 0.25	0.26	110	< 0.25	< 0.25	160	< 0.25	1.0	0.57	5	5
Lead	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.024	< 0.0050	< 0.0050	0.028	< 0.0050	< 0.0050	< 0.0050	0.0075	0.0075
Manganese	2.2	5.4	0.27	0.21	4.9	8.1	3.9	0.22	13	0.26	3.3	5.2	0.15	0.15
Mercury	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.002	0.002
Nickel	0.018	0.084	0.013	< 0.010	0.20	0.20	0.059	< 0.010	0.29	< 0.010	0.053	0.18	0.1	0.1
Selenium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Silver	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Zinc	< 0.050	0.066	< 0.050	< 0.050	0.21	0.77	< 0.050	< 0.050	0.76	< 0.050	0.076	0.20	5	5
SPLP Metals, mg/L														
Arsenic	< 0.0040	< 0.0040	< 0.0040	0.0042	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.0047	< 0.0040	---	0.05
Barium	< 0.020	< 0.020	0.021	0.029	0.030	0.037	0.024	< 0.020	0.026	0.020	0.034	0.037	2	2
Beryllium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.004	0.004
Cadmium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.005	0.005
Chromium	< 0.0040	< 0.0040	0.0076	0.0094	< 0.0040	< 0.0040	0.0083	< 0.0040	< 0.0040	0.0067	0.012	< 0.0040	0.1	0.1
Cobalt	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	1	1
Copper	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	0.65	0.65
Iron	3.5	0.47	5.5	7.2	1.3	0.21	5.9	2.2	0.77	4.5	8.9	0.14	5	5
Lead	< 0.0020	< 0.0020	< 0.0020	0.0031	< 0.0020	< 0.0020	0.0031	< 0.0020	< 0.0020	0.0020	0.0057	< 0.0020	0.0075	0.0075
Manganese	0.016	0.0095	0.043	0.030	0.031	0.11	0.029	0.0065	0.016	0.027	0.044	0.081	0.15	0.15
Mercury	< 0.00020	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	0.002	0.002
Nickel	< 0.0040	< 0.0040	0.0052	0.0045	< 0.0040	< 0.0040	0.0048	< 0.0040	0.0040	< 0.0040	0.0090	< 0.0040	0.1	0.1
Selenium	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Silver	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Zinc	0.056	0.042	0.054	0.056	0.042	< 0.040	0.056	0.043	0.038	0.046	0.068	0.034	5	5

--- - 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 Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.

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

Shaded values indicate concentration exceeds reference concentration

Table C-2 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Inorganics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-16-01	2531V-16-01	2531V-16-02	2531V-16-02	2531V-17-01	2531V-17-01	2531V-18-01	2531V-18-01 (Dup 6)	2531V-18-01	2531V-18-02	2531V-18-02	2531V-18-03	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-5	5-9	0-5	5-9	0-5	5-9	0-5	0-5	5-9	0-5	5-9	0-5		
Sample Date	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-16	2531V-16	2531V-16	2531V-16	2531V-17	2531V-17	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18		
Parameter														
Laboratory soil pH (s.u.)	9.41	8.54	8.37	8.32	7.8	7.72	8.95	8	8.58	8.04	8.97	9.07	<6.25, >9.0	---
Total Metals, mg/kg														
Aluminum	15000	14000	17000	11000	21000	15000	17000	10000	15000	15000	4800	3900	---	---
Antimony	< 2.2	< 2.2	< 2.2	< 2.1	< 2.0	< 2.3	< 2.0	< 2.0	< 2.0	< 2.1	< 1.9	< 1.8	5	82
Arsenic	13	14	6.0	9.3	12	11	12	9.4	10	10	6.0	5.4	11.3 / 13	61
Barium	150	150	140	110	130	140	81	81	110	120	20	18	1,500	14,000
Beryllium	0.80	0.83	1.0	0.64	0.91	0.81	1.1	0.57	0.83	0.98	< 0.48	< 0.46	22	410
Cadmium	< 0.54	< 0.55	< 0.55	< 0.53	< 0.51	< 0.58	< 0.49	< 0.50	< 0.49	0.64	< 0.48	< 0.46	5.2	200
Calcium	72000	60000	5200	47000	3300	36000	48000	39000	48000	18000	110000	160000	---	---
Chromium	26	25	27	20	30	26	28	18	26	25	9.4	8.5	21	690
Cobalt	13	16	14	10	15	9.7	17	9.0	13	16	5.8	5.6	20	12,000
Copper	25	31	29	25	30	29	32	21	27	47	13	12	2,900	8,200
Iron	30000	33000	27000	23000	35000	29000	35000	22000	29000	27000	15000	13000	15,000 / 15,900	---
Lead	16	18	20	15	50	13	71	12	87	65	6.8	6.7	107	700
Magnesium	30000	31000	6000	27000	4800	23000	28000	25000	26000	10000	62000	71000	325,000	730,000
Manganese	720	1000	910	660	980	490	930	420	560	1000	410	420	630 / 636	4,100
Mercury	< 0.023	0.026	0.035	0.024	0.042	0.029	0.033	0.022	0.027	0.044	< 0.019	< 0.020	0.89	0.1
Nickel	33	38	44	29	32	29	37	19	29	27	14	12	100	4,100
Potassium	1900	2200	1900	1800	1900	2000	2200	1600	1800	2200	1000	780	---	---
Selenium	< 1.1	< 1.1	< 1.1	< 1.1	< 1.0	< 1.2	< 0.98	< 1.0	< 0.98	< 1.1	< 0.95	< 0.92	1.3	1,000
Silver	< 1.1	< 1.1	< 1.1	< 1.1	< 1.0	< 1.2	< 0.98	< 1.0	< 0.98	< 1.1	< 0.95	< 0.92	4.4	1,000
Sodium	1100	970	2000	1900	1600	1100	1800	600	1800	370	260	310	---	---
Thallium	< 1.1	< 1.1	< 1.1	< 1.1	< 1.0	< 1.2	< 0.98	< 1.0	< 0.98	< 1.1	< 0.95	< 0.92	2.6	160
Vanadium	44	42	37	33	47	41	36	30	33	37	18	16	550	1,400
Zinc	76	81	79	68	83	79	90	61	79	140	34	64	5,100	61,000
TCLP Metals, mg/L													Class I Groundwater ^{c/}	
Arsenic	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	---	0.05
Barium	0.60	1.1	0.42	0.88	0.26	1.0	0.70	0.62	0.90	0.44	0.21	0.19	2	2
Beryllium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.004	0.004
Cadmium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.005	0.005
Chromium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.1	0.1
Cobalt	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.014	< 0.010	0.028	< 0.010	< 0.010	0.044	1	1
Copper	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.65	0.65
Iron	< 0.25	< 0.25	0.37	< 0.25	0.27	< 0.25	< 0.25	2.2	0.36	< 0.25	< 0.25	< 0.25	5	5
Lead	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.016	< 0.0050	0.026	< 0.0050	< 0.0050	< 0.0050	0.0075	0.0075
Manganese	0.18	1.1	0.015	0.82	0.52	0.40	6.6	3.8	17	0.076	1.3	4.3	0.15	0.15
Mercury	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.002	0.002
Nickel	< 0.010	0.012	< 0.010	0.015	< 0.010	0.011	0.017	0.054	0.022	< 0.010	0.016	0.053	0.1	0.1
Selenium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Silver	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Zinc	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.054	< 0.050	0.084	5	5
SPLP Metals, mg/L														
Arsenic	0.0090	0.0073	0.012	0.010	0.012	0.010	0.014	0.0047	0.013	< 0.0040	< 0.0040	0.0065	---	0.05
Barium	0.065	0.049	0.12	0.067	0.089	0.034	0.073	< 0.020	0.067	< 0.020	< 0.020	0.025	2	2
Beryllium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.004	0.004
Cadmium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.005	0.005
Chromium	0.015	0.013	0.038	0.019	0.027	0.012	0.024	0.0079	0.021	0.0041	< 0.0040	0.0089	0.1	0.1
Cobalt	0.0042	< 0.0040	0.0069	0.0045	0.0059	< 0.0040	0.012	< 0.0040	0.012	< 0.0040	< 0.0040	0.0043	1	1
Copper	< 0.040	< 0.040	0.045	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	0.65	0.65
Iron	17	15	38	25	30	17	28	8.7	25	2.2	2.4	12	5	5
Lead	0.0068	0.0059	0.010	0.0099	0.0098	0.0057	0.11	0.0031	0.075	0.0032	< 0.0020	0.0054	0.0075	0.0075
Manganese	0.089	0.081	0.13	0.12	0.19	0.078	0.34	0.053	0.34	0.020	0.016	0.11	0.15	0.15
Mercury	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	0.002	0.002
Nickel	0.013	0.011	0.033	0.017	0.026	0.013	0.032	0.0063	0.030	< 0.0040	< 0.0040	0.013	0.1	0.1
Selenium	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Silver	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Zinc	0.046	0.044	0.11	0.071	0.072	0.046	0.089	0.030	0.073	< 0.020	< 0.020	0.081	5	5

--- - 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 Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.

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

Shaded values indicate concentration exceeds reference concentration

Table C-2 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Inorganics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-18-03	2531V-18-04	2531V-18-04	2531V-18-05	2531V-18-05	2531V-18-06	2531V-18-06	2531V-18-07	2531V-18-07	2531V-18-07	2531V-18-08	2531V-23-01	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	5-9	0-5	5-9	0-5	5-9	0-5	5-9	0-6	6-12	12-18	0-1	0-1		
Sample Date	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/7/17	8/7/17	8/7/17	8/9/17	8/8/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-18	2531V-23; 2531V-21		
Parameter														
Laboratory soil pH (s.u.)	9.36	9.33	9.06	8.02	8.2	9.18	7.96	8.77	8.17	9.13	7.91	9.04	<6.25, >9.0	---
Total Metals, mg/kg														
Aluminum	3900	5200	3200	16000	4300	12000	15000	7300	8600	4500	12000	13000	---	---
Antimony	< 1.9	< 1.9	< 1.9	< 2.1	< 1.9	< 2.1	< 2.1	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	5	82
Arsenic	4.3	6.0	5.0	13	6.5	12	14	8.0	8.1	5.7	12	9.7	11.3 / 13	61
Barium	15	25	17	110	19	79	140	50	39	19	72	55	1,500	14,000
Beryllium	< 0.48	< 0.48	< 0.47	0.94	< 0.48	0.80	1.0	< 0.51	< 0.50	< 0.49	0.87	0.85	22	410
Cadmium	< 0.48	< 0.48	< 0.47	< 0.52	< 0.48	< 0.52	< 0.54	< 0.51	< 0.50	< 0.49	< 0.51	< 0.50	5.2	200
Calcium	170000	150000	150000	62000	120000	64000	65000	73000	77000	89000	65000	89000	---	---
Chromium	7.3	11	8.5	28	9.6	22	27	14	22	11	22	25	21	690
Cobalt	4.6	6.7	5.5	18	5.4	15	17	9.1	11	5.0	15	11	20	12,000
Copper	12	15	12	35	14	30	37	19	21	12	30	31	2,900	8,200
Iron	12000	15000	14000	36000	15000	29000	38000	18000	21000	12000	30000	30000	15,000 / 15,900	---
Lead	11	8.6	6.4	32	25	28	24	32	12	5.9	23	17	107	700
Magnesium	79000	72000	65000	33000	64000	37000	41000	40000	42000	48000	39000	46000	325,000	730,000
Manganese	490	500	550	860	420	690	950	510	360	280	550	590	630 / 636	4,100
Mercury	< 0.017	< 0.021	< 0.019	0.030	< 0.017	0.030	0.025	0.024	< 0.023	< 0.018	0.025	0.025	0.89	0.1
Nickel	11	15	12	41	13	35	44	21	25	13	36	34	100	4,100
Potassium	600	1100	710	2300	860	1900	2100	1200	1700	1100	2000	2800	---	---
Selenium	< 0.96	< 0.97	< 0.93	< 1.0	< 0.97	< 1.0	< 1.1	< 1.0	< 0.99	< 0.99	< 1.0	< 0.99	1.3	1,000
Silver	< 0.96	< 0.97	< 0.93	< 1.0	< 0.97	< 1.0	< 1.1	< 1.0	< 0.99	< 0.99	< 1.0	< 0.99	4.4	1,000
Sodium	480	510	320	1100	380	1700	460	630	770	290	1400	1300	---	---
Thallium	< 0.96	< 0.97	< 0.93	< 1.0	< 0.97	< 1.0	< 1.1	< 1.0	< 0.99	< 0.99	< 1.0	< 0.99	2.6	160
Vanadium	18	16	12	36	20	28	33	18	19	13	27	29	550	1,400
Zinc	28	36	30	91	35	76	89	52	55	33	75	78	5,100	61,000
TCLP Metals, mg/L													Class I Groundwater ^{c/}	
Arsenic	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	---	0.05
Barium	0.18	0.28	0.19	0.70	0.17	0.73	1.1	0.44	0.21	0.16	0.75	0.19	2	2
Beryllium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.004	0.004
Cadmium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.005	0.005
Chromium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.1	0.1
Cobalt	< 0.010	< 0.010	< 0.010	0.040	< 0.010	0.036	0.040	0.030	0.070	0.034	0.016	0.020	1	1
Copper	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.65	0.65
Iron	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	1.4	0.67	< 0.25	5	5
Lead	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0057	< 0.0050	0.0075	0.0075
Manganese	1.5	1.3	1.3	10	1.2	11	8.9	5.6	3.9	3.4	7.1	3.7	0.15	0.15
Mercury	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.002	0.002
Nickel	0.020	0.012	0.015	0.035	0.012	0.031	0.040	0.037	0.037	0.028	0.015	0.027	0.1	0.1
Selenium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Silver	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Zinc	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.12	< 0.050	< 0.050	< 0.10	< 0.050	5	5
SPLP Metals, mg/L														
Arsenic	< 0.0040	0.0055	< 0.0040	0.012	< 0.0040	0.0077	< 0.0040	0.0051	0.0069	0.0083	< 0.0040	0.0088	---	0.05
Barium	< 0.020	0.027	< 0.020	0.063	< 0.020	0.038	< 0.020	0.034	0.053	0.033	0.16	0.050	2	2
Beryllium		< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.004	0.004
Cadmium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.005	0.005
Chromium	< 0.0040	0.010	0.0058	0.023	< 0.0040	0.017	0.0041	0.011	0.021	0.016	< 0.0040	0.019	0.1	0.1
Cobalt	< 0.0040	0.0042	< 0.0040	0.0077	< 0.0040	0.0070	< 0.0040	< 0.0040	0.0056	0.0062	< 0.0040	0.0048	1	1
Copper	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	0.65	0.65
Iron	0.56	12	6.1	25	1.3	14	2.2	10	19	16	0.62	19	5	5
Lead	< 0.0020	0.0050	0.0027	0.015	< 0.0020	0.0084	< 0.0020	0.014	0.0079	0.0046	< 0.0020	0.0077	0.0075	0.0075
Manganese	0.0086	0.089	0.046	0.16	0.0098	0.16	0.015	0.087	0.094	0.083	1.2	0.11	0.15	0.15
Mercury	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	0.002	0.002
Nickel	< 0.0040	0.012	0.0068	0.028	< 0.0040	0.018	< 0.0040	0.011	0.019	0.017	0.0040	0.023	0.1	0.1
Selenium	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Silver	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Zinc	< 0.020	0.039	0.026	0.074	< 0.020	0.038	< 0.020	0.063	0.074	0.072	< 0.020	0.058	5	5

--- - 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 Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.

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

Shaded values indicate concentration exceeds reference concentration

Table C-2 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Inorganics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-23-02	2531V-23-03	2531V-23-04	2531V-32-01	2531V-32-02	2531V-32-03	2531V-33-01	2531V-33-02	2531V-33-03	2531V-33-04	2531V-33-05	2531V-33-06	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1		
Sample Date	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-23; 2531V-21	2531V-23; 2531V-21	2531V-23; 2531V-21	2531V-32	2531V-32	2531V-32	2531V-33	2531V-33	2531V-33	2531V-33	2531V-33	2531V-33		
Parameter														
Laboratory soil pH (s.u.)	8.44	9.08	9.03	9.06	9.01	8.66	8.35	9.03	8.98	8.72	9.08	7.91	<6.25, >9.0	---
Total Metals, mg/kg														
Aluminum	13000	12000	15000	25000	15000	9800	19000	18000	13000	10000	14000	15000	---	---
Antimony	< 1.9	< 2.0	< 2.0	< 2.2	< 2.0	< 2.0	< 2.0	< 2.1	< 1.9	< 1.9	< 2.0	< 2.1	5	82
Arsenic	11	13	11	21	13	7.5	12	8.9	11	7.8	13	12	11.3 / 13	61
Barium	54	63	140	130	93	100	100	170	98	72	97	100	1,500	14,000
Beryllium	0.84	0.82	0.92	1.6	0.90	0.59	1.5	1.3	0.73	0.69	1.0	1.1	22	410
Cadmium	< 0.48	< 0.50	< 0.49	< 0.55	< 0.49	0.56	< 0.51	< 0.52	< 0.49	< 0.48	< 0.50	< 0.52	5.2	200
Calcium	85000	110000	43000	14000	77000	80000	39000	18000	31000	97000	53000	49000	---	---
Chromium	24	21	21	34	25	36	27	27	21	31	24	24	21	690
Cobalt	16	16	17	21	14	11	15	13	13	9.0	15	14	20	12,000
Copper	26	30	27	47	32	38	34	31	28	19	33	31	2,900	8,200
Iron	29000	29000	30000	49000	32000	23000	34000	28000	27000	20000	32000	30000	15,000 / 15,900	---
Lead	16	18	49	32	30	44	20	33	33	26	39	33	107	700
Magnesium	41000	50000	25000	12000	44000	44000	25000	11000	18000	44000	31000	29000	325,000	730,000
Manganese	490	770	1400	1100	780	650	790	640	780	580	820	730	630 / 636	4,100
Mercury	0.031	0.025	0.033	0.037	0.028	0.024	0.040	0.036	0.038	0.036	0.032	0.022	0.89	0.1
Nickel	32	37	28	61	34	26	33	30	28	21	33	32	100	4,100
Potassium	2600	2100	1500	2400	2100	1700	1900	2000	1500	1300	1700	1700	---	---
Selenium	< 0.96	< 1.0	< 0.99	1.1	< 0.98	< 0.98	< 1.0	1.0	< 0.97	< 0.97	< 1.0	< 1.0	1.3	1,000
Silver	< 0.96	< 1.0	< 0.99	< 1.1	< 0.98	< 0.98	< 1.0	< 1.0	< 0.97	< 0.97	< 1.0	< 1.0	4.4	1,000
Sodium	1100	1800	1700	4000	1800	880	1800	3200	1700	2100	1900	2000	---	---
Thallium	< 0.96	< 1.0	< 0.99	< 1.1	< 0.98	< 0.98	< 1.0	< 1.0	< 0.97	< 0.97	< 1.0	< 1.0	2.6	160
Vanadium	28	27	34	46	31	24	38	37	30	25	31	31	550	1,400
Zinc	70	67	88	130	86	130	73	86	77	57	99	88	5,100	61,000
TCLP Metals, mg/L													Class I Groundwater ^{c/}	
Arsenic	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	---	0.05
Barium	0.62	0.35	0.43	0.58	0.47	0.53	0.84	0.65	0.60	0.49	0.66	0.64	2	2
Beryllium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.004	0.004
Cadmium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.005	0.005
Chromium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.1	0.1
Cobalt	0.014	0.037	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	1	1
Copper	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.65	0.65
Iron	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	0.47	< 0.25	< 0.25	5	5
Lead	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0075	0.0075
Manganese	4.0	3.8	1.1	0.35	0.22	0.75	1.2	0.34	0.27	0.52	0.27	0.77	0.15	0.15
Mercury	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.002	0.002
Nickel	0.014	0.053	< 0.010	0.014	0.010	< 0.010	0.014	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.1	0.1
Selenium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Silver	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Zinc	0.44	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	5	5
SPLP Metals, mg/L														
Arsenic	0.014	0.014	0.014	0.032	0.018	0.0062	0.013	0.011	0.0098	0.011	0.016	< 0.0040	---	0.05
Barium	0.069	0.063	0.11	0.18	0.090	0.029	0.088	0.091	0.081	0.043	0.087	< 0.020	2	2
Beryllium	< 0.0020	< 0.0020	< 0.0020	0.0025	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.004	0.004
Cadmium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.005	0.005
Chromium	0.028	0.024	0.038	0.063	0.034	0.016	0.027	0.028	0.026	0.020	0.032	0.0051	0.1	0.1
Cobalt	0.0080	0.0085	0.0087	0.018	0.010	< 0.0040	0.0072	0.0063	0.0072	0.0046	0.010	< 0.0040	1	1
Copper	< 0.040	0.047	< 0.040	0.078	0.045	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	0.042	< 0.040	0.65	0.65
Iron	30	25	41	75	37	10	28	24	23	14	36	3.0	5	5
Lead	0.013	0.012	0.021	0.029	0.022	0.0050	0.012	0.014	0.025	0.013	0.026	0.0023	0.0075	0.0075
Manganese	0.13	0.13	0.32	0.65	0.22	0.053	0.17	0.17	0.24	0.14	0.23	0.028	0.15	0.15
Mercury	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	0.002	0.002
Nickel	0.032	0.030	0.032	0.089	0.038	0.012	0.029	0.023	0.024	0.016	0.037	0.0047	0.1	0.1
Selenium	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Silver	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Zinc	0.082	0.071	0.12	0.22	0.11	0.035	0.073	0.075	0.090	0.045	0.12	< 0.020	5	5

--- -- 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 Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.

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

Shaded values indicate concentration exceeds reference concentration

Table C-2 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Inorganics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-33-06 (Dup 9)	2531V-34-01	2531V-34-01	2531V-34-02	2531V-34-02	2531V-34-03	2531V-34-04	2531V-34-04	2531V-34-05	2531V-34-05	2531V-34-05 (Dup 8)	2531V-34-06	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-1	0-5	5-9	0-7	7-14	0-3.5	0-7	7-14	0-7	7-14	7-14	0-7		
Sample Date	8/8/17	7/27/17	7/27/17	7/27/17	7/27/17	7/27/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-33	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34		
Parameter														
Laboratory soil pH (s.u.)	8.75	8.52	8.41	8.36	7.86	8.86	8.29	7.99	7.8	8.04	7.83	8.6	<6.25, >9.0	---
Total Metals, mg/kg														
Aluminum	9900	13000	14000	13000	9900	13000	15000	13000	7500	10000	12000	11000	---	---
Antimony	< 2.2	< 2.1	< 2.0	< 1.9	< 2.0	< 1.9	< 2.1	< 2.0	< 2.0	< 2.0	< 2.0	< 2.2	5	82
Arsenic	9.3	11	13	6.8	3.7	9.8	9.0	7.1	6.6	6.7	8.0	9.3	11.3 / 13	61
Barium	96	68	90	170	45	100	110	75	55	71	85	65	1,500	14,000
Beryllium	0.54	0.74	0.87	0.90	0.60	0.80	1.1	0.68	< 0.50	0.55	0.61	0.58	22	410
Cadmium	< 0.54	< 0.53	< 0.50	0.56	< 0.49	< 0.48	< 0.53	< 0.51	< 0.50	< 0.49	< 0.51	< 0.54	5.2	200
Calcium	58000	58000	64000	49000	93000	60000	68000	44000	80000	52000	42000	70000	---	---
Chromium	19	18	20	18	16	20	25	21	21	25	20	20	21	690
Cobalt	11	15	15	8.6	13	9.9	14	9.1	8.7	9.0	11	15	20	12,000
Copper	28	23	26	27	26	22	33	26	27	26	23	24	2,900	8,200
Iron	28000	25000	29000	20000	26000	24000	28000	23000	19000	20000	22000	24000	15,000 / 15,900	---
Lead	35	17	21	25	17	64	25	15	17	21	17	27	107	700
Magnesium	33000	32000	38000	25000	50000	31000	40000	26000	45000	30000	23000	37000	325,000	730,000
Manganese	550	650	940	440	670	560	760	430	490	350	600	630	630 / 636	4,100
Mercury	0.026	< 0.022	< 0.021	0.031	< 0.018	< 0.019	0.028	0.023	0.023	< 0.020	0.029	< 0.021	0.89	0.1
Nickel	28	31	33	27	34	25	34	30	22	20	28	30	100	4,100
Potassium	1400	2000	2000	1200	2000	1500	2200	2000	1300	1400	1500	1900	---	---
Selenium	< 1.1	< 1.1	< 1.0	< 0.97	1.1	< 0.96	< 1.1	< 1.0	< 1.0	< 0.98	< 1.0	< 1.1	1.3	1,000
Silver	< 1.1	< 1.1	< 1.0	< 0.97	< 0.98	< 0.96	< 1.1	< 1.0	< 1.0	< 0.98	< 1.0	< 1.1	4.4	1,000
Sodium	1200	1100	1400	1300	780	2400	830	360	450	2300	460	1300	---	---
Thallium	< 1.1	< 1.1	< 1.0	< 0.97	< 0.98	< 0.96	< 1.1	< 1.0	< 1.0	< 0.98	< 1.0	< 1.1	2.6	160
Vanadium	24	24	27	26	19	27	32	25	20	24	25	24	550	1,400
Zinc	66	64	76	85	79	89	95	62	83	71	57	140	5,100	61,000
TCLP Metals, mg/L													Class I Groundwater ^{c/}	
Arsenic	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	---	0.05
Barium	0.60	0.63	0.67	0.65	0.59	0.87	0.77	0.50	0.75	0.65	0.94	0.73	2	2
Beryllium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.004	0.004
Cadmium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.005	0.005
Chromium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.1	0.1
Cobalt	< 0.010	0.024	< 0.010	< 0.010	0.050	< 0.010	0.041	0.072	0.019	0.025	0.032	0.019	1	1
Copper	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.65	0.65
Iron	< 0.25	< 0.25	< 0.25	< 0.25	0.27	< 0.25	1.4	0.65	0.92	1.4	< 0.25	1.2	5	5
Lead	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0065	< 0.0050	0.0075	0.0075
Manganese	3.1	4.6	0.68	0.24	7.5	0.78	12	9.0	7.3	7.1	9.4	11	0.15	0.15
Mercury	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.002	0.002
Nickel	0.018	0.040	< 0.010	< 0.010	0.023	< 0.010	0.054	0.068	0.024	0.024	0.030	0.019	0.1	0.1
Selenium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Silver	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Zinc	< 0.050	0.20	0.13	0.053	0.18	0.14	0.088	< 0.050	0.082	0.075	< 0.050	0.066	5	5
SPLP Metals, mg/L														
Arsenic	0.0069	0.014	0.0043	0.0057	< 0.0040	0.0097	< 0.0040	< 0.0040	< 0.0040	0.0042	< 0.0040	< 0.0040	---	0.05
Barium	0.032	0.19	0.046	0.035	0.046	0.12	< 0.020	< 0.020	< 0.020	< 0.020	0.036	< 0.020	2	2
Beryllium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.004	0.004
Cadmium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.005	0.005
Chromium	0.011	0.022	0.0060	0.0044	< 0.0040	0.015	< 0.0040	< 0.0040	< 0.0040	0.0074	< 0.0040	< 0.0040	0.1	0.1
Cobalt	0.0045	0.0072	< 0.0040	< 0.0040	< 0.0040	0.0041	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	1	1
Copper	0.072	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	0.65	0.65
Iron	12	25	3.8	1.5	< 0.10	14	0.56	1.0	0.41	6.6	2.8	1.0	5	5
Lead	0.012	0.0099	< 0.0020	0.0036	< 0.0020	0.011	< 0.0020	< 0.0020	< 0.0020	0.0040	0.0069	0.0037	0.0075	0.0075
Manganese	0.084	0.14	0.031	0.015	< 0.0040	0.12	0.0079	0.020	0.011	0.057	0.054	0.041	0.15	0.15
Mercury	< 0.00025	< 0.00038	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	0.002	0.002
Nickel	0.079	0.028	0.0041	< 0.0040	< 0.0040	0.015	< 0.0040	< 0.0040	< 0.0040	0.0094	0.0052	< 0.0040	0.1	0.1
Selenium	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Silver	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Zinc	0.043	0.075	< 0.020	< 0.020	< 0.020	0.060	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	5	5

--- - 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 Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.

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

Shaded values indicate concentration exceeds reference concentration

Table C-2 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Inorganics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-34-06	2531V-34-07	2531V-34-08	2531V-34-09	2531V-34-09	2531V-35-01	2531V-35-01 (Dup 1)	2531V-35-01	2531V-35-02	2531V-36-01	2531V-36-01	2531V-36-02	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	7-14	0-1	0-1	0-7	7-14	0-5	0-5	5-9	0-3.5	0-5	5-9	0-3.5		
Sample Date	8/8/17	8/8/17	8/8/17	8/8/17	8/8/17	7/27/17	7/27/17	7/27/17	7/27/17	7/27/17	7/27/17	7/27/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-34	2531V-34	2531V-34	2531V-34	2531V-34	2531V-35	2531V-35	2531V-35	2531V-35	2531V-36	2531V-36	2531V-36		
Parameter														
Laboratory soil pH (s.u.)	7.61	8.84	9.04	7.66	7.83	8.89	8.73	8.59	9.31	9.13	8.99	9	<6.25, >9.0	---
Total Metals, mg/kg														
Aluminum	14000	13000	13000	14000	10000	3400	2600	2600	4500	3500	4000	3500	---	---
Antimony	< 2.1	< 2.0	< 2.0	< 2.1	< 2.0	< 1.9	< 1.8	< 2.0	< 2.0	< 1.9	< 2.0	< 1.9	5	82
Arsenic	10	9.0	8.6	7.9	7.7	6.1	8.3	6.7	5.3	6.1	4.5	13	11.3 / 13	61
Barium	94	85	110	100	67	18	17	12	22	15	18	17	1,500	14,000
Beryllium	0.72	0.70	0.68	0.74	0.54	< 0.48	< 0.45	< 0.49	< 0.49	< 0.46	< 0.49	< 0.48	22	410
Cadmium	< 0.52	< 0.49	< 0.49	< 0.53	< 0.51	< 0.48	< 0.45	< 0.49	< 0.49	< 0.46	< 0.49	< 0.48	5.2	200
Calcium	37000	54000	40000	39000	45000	130000	110000	150000	110000	130000	120000	120000	---	---
Chromium	26	21	22	23	17	6.7	5.1	6.4	7.6	6.2	7.2	7.7	21	690
Cobalt	14	11	9.9	11	11	4.5	3.6	3.4	6.5	4.5	5.4	4.5	20	12,000
Copper	28	27	26	28	22	12	6.7	7.3	9.2	11	9.1	12	2,900	8,200
Iron	26000	24000	22000	25000	21000	13000	9800	11000	16000	13000	13000	17000	15,000 / 15,900	---
Lead	21	20	40	19	17	7.7	21	5.3	6.0	6.9	5.5	7.1	107	700
Magnesium	21000	29000	23000	22000	26000	73000	61000	76000	58000	68000	61000	59000	325,000	730,000
Manganese	860	600	540	630	490	420	300	270	400	380	380	320	630 / 636	4,100
Mercury	0.030	0.031	0.037	0.030	0.027	< 0.018	< 0.018	< 0.016	< 0.020	< 0.022	< 0.021	< 0.017	0.89	0.1
Nickel	33	29	25	30	25	11	12	7.3	11	10	9.4	12	100	4,100
Potassium	1800	1600	1200	1700	1300	660	520	580	810	700	740	600	---	---
Selenium	< 1.0	< 0.98	< 0.99	< 1.1	< 1.0	< 0.95	< 0.91	< 0.99	< 0.98	< 0.93	< 0.99	< 0.96	1.3	1,000
Silver	< 1.0	< 0.98	< 0.99	< 1.1	< 1.0	< 0.95	< 0.91	< 0.99	< 0.98	< 0.93	< 0.99	< 0.96	4.4	1,000
Sodium	130	1600	2200	330	260	250	220	220	640	340	540	390	---	---
Thallium	< 1.0	< 0.98	< 0.99	< 1.1	< 1.0	< 0.95	< 0.91	< 0.99	< 0.98	< 0.93	< 0.99	< 0.96	2.6	160
Vanadium	30	28	29	32	25	12	8.7	11	17	12	16	15	550	1,400
Zinc	80	69	71	66	55	31	19	21	36	36	31	39	5,100	61,000
TCLP Metals, mg/L													Class I Groundwater ^{c/}	
Arsenic	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	---	0.05
Barium	1.0	0.63	0.58	0.96	0.71	0.52	0.73	0.46	0.47	0.44	0.39	0.44	2	2
Beryllium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.004	0.004
Cadmium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.005	0.005
Chromium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.1	0.1
Cobalt	0.032	< 0.010	< 0.010	0.044	0.029	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.065	< 0.010	1	1
Copper	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.65	0.65
Iron	1.2	1.5	1.1	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	0.31	< 0.25	5	5
Lead	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0076	< 0.0050	0.014	0.0083	< 0.0050	< 0.0050	< 0.0050	0.0075	0.0075
Manganese	14	1.5	0.21	9.5	10	0.95	0.79	1.3	1.3	1.3	5.2	1.2	0.15	0.15
Mercury	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.002	0.002
Nickel	0.028	0.017	< 0.010	0.034	0.028	0.012	< 0.010	0.021	0.017	0.018	0.085	0.017	0.1	0.1
Selenium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Silver	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Zinc	0.080	0.059	0.078	< 0.050	< 0.050	0.13	0.19	0.13	0.12	0.12	0.17	0.10	5	5
SPLP Metals, mg/L														
Arsenic	0.0046	< 0.0040	0.0051	< 0.0040	< 0.0040	0.0066	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.0088	---	0.05
Barium	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.057	0.025	0.032	< 0.020	0.020	0.022	0.073	2	2
Beryllium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.004	0.004
Cadmium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.005	0.005
Chromium	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.0086	0.0046	0.0047	< 0.0040	< 0.0040	< 0.0040	0.011	0.1	0.1
Cobalt	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.0042	1	1
Copper	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	0.65	0.65
Iron	0.74	2.8	0.86	0.72	1.4	9.7	4.4	3.2	2.9	1.9	2.3	14	5	5
Lead	< 0.0020	0.0031	0.0034	< 0.0020	< 0.0020	0.0048	0.0030	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.0056	0.0075	0.0075
Manganese	0.029	0.022	0.030	0.031	0.020	0.066	0.034	0.019	0.026	0.013	0.018	0.10	0.15	0.15
Mercury	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00038	0.002	0.002
Nickel	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.0098	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.013	0.1	0.1
Selenium	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Silver	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Zinc	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.036	0.026	< 0.020	< 0.020	< 0.020	< 0.020	0.059	5	5

--- - 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 Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.

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

Shaded values indicate concentration exceeds reference concentration

Table C-2 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Inorganics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-36-03	2531V-37-01	2531V-37-02	2531V-37-03	2531V-37-04	2531V-41-01	2531V-41-02	2531V-41-03	2531V-41-03	2531V-41-04	2531V-41-05	2531V-41-05 (Dup 2)	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-3.5	0-3.5	0-3.5	0-3.5	0-3.5	0-1	0-1	0-7	7-14	0-3.5	0-3.5	0-3.5		
Sample Date	7/27/17	7/27/17	7/27/17	7/27/17	7/27/17	8/7/17	8/7/17	7/27/17	7/27/17	7/27/17	7/27/17	7/27/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-36	2531V-37	2531V-37	2531V-37	2531V-37	2531V-41	2531V-41	2531V-41	2531V-41	2531V-41	2531V-41	2531V-41		
Parameter														
Laboratory soil pH (s.u.)	9.16	8.64	8.72	8.05	8.62	8.56	8.48	8.61	7.45	8.71	8.09	7.94	<6.25, >9.0	---
Total Metals, mg/kg														
Aluminum	13000	12000	19000	20000	15000	12000	11000	14000	11000	4800	18000	19000	---	---
Antimony	< 2.1	< 2.0	< 2.5	< 2.1	< 1.9	< 2.0	< 2.0	< 2.1	< 2.2	< 2.0	< 2.2	< 2.1	5	82
Arsenic	8.7	10	18	29	14	9.1	5.2	18	6.8	6.4	17	21	11.3 / 13	61
Barium	65	52	79	130	82	65	67	81	92	36	130	130	1,500	14,000
Beryllium	0.79	0.69	1.2	1.7	0.91	0.61	0.57	0.85	0.72	< 0.51	1.0	1.2	22	410
Cadmium	< 0.52	< 0.49	< 0.62	1.1	< 0.49	< 0.51	< 0.49	< 0.53	< 0.54	< 0.51	< 0.54	< 0.53	5.2	200
Calcium	120000	100000	35000	4400	100000	22000	64000	61000	90000	150000	44000	12000	---	---
Chromium	20	20	29	31	23	18	21	23	17	9.2	23	23	21	690
Cobalt	10	10	16	20	13	11	11	14	8.6	5.3	15	16	20	12,000
Copper	24	21	37	71	30	22	29	26	23	14	28	36	2,900	8,200
Iron	24000	24000	39000	62000	32000	23000	22000	33000	21000	12000	36000	41000	15,000 / 15,900	---
Lead	15	14	31	44	21	16	49	93	70	17	33	38	107	700
Magnesium	58000	55000	23000	5400	56000	13000	38000	33000	48000	68000	25000	9100	325,000	730,000
Manganese	560	480	1100	1600	610	620	370	840	590	410	920	510	630 / 636	4,100
Mercury	< 0.020	< 0.020	< 0.027	0.066	0.024	0.025	0.030	0.025	0.041	0.019	0.041	0.048	0.89	0.1
Nickel	30	28	47	79	37	27	28	32	23	13	34	38	100	4,100
Potassium	2300	1900	2900	1700	2300	1100	1800	1800	1500	720	1500	1400	---	---
Selenium	< 1.0	< 0.98	< 1.2	1.4	< 0.97	< 1.0	< 0.99	< 1.1	< 1.1	< 1.0	< 1.1	< 1.1	1.3	1,000
Silver	< 1.0	< 0.98	< 1.2	< 1.1	< 0.97	< 1.0	< 0.99	< 1.1	< 1.1	< 1.0	< 1.1	< 1.1	4.4	1,000
Sodium	1400	930	1600	1300	1200	1300	1800	440	590	880	1100	1300	---	---
Thallium	< 1.0	< 0.98	< 1.2	1.3	< 0.97	< 1.0	< 0.99	< 1.1	< 1.1	< 1.0	< 1.1	< 1.1	2.6	160
Vanadium	25	24	34	39	27	29	27	31	22	12	35	36	550	1,400
Zinc	56	56	100	200	83	52	73	120	80	35	86	100	5,100	61,000
TCLP Metals, mg/L													Class I Groundwater ^{c/}	
Arsenic	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	---	0.05
Barium	0.56	0.50	0.73	0.61	0.66	0.93	0.66	0.73	1.2	0.70	1.5	1.3	2	2
Beryllium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.004	0.004
Cadmium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.005	0.005
Chromium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.1	0.1
Cobalt	0.026	0.066	< 0.010	< 0.010	0.055	0.037	< 0.010	< 0.010	0.025	< 0.010	0.024	0.018	1	1
Copper	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.65	0.65
Iron	< 0.25	< 0.25	< 0.25	0.72	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	0.51	5	5
Lead	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.015	0.057	< 0.0050	< 0.0050	< 0.0050	0.0075	0.0075
Manganese	4.9	6.6	0.39	0.020	5.4	8.2	0.11	0.58	5.1	0.56	15	10	0.15	0.15
Mercury	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.002	0.002
Nickel	0.055	0.11	< 0.010	< 0.010	0.065	0.064	0.014	< 0.010	0.029	< 0.010	0.024	0.021	0.1	0.1
Selenium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Silver	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Zinc	0.16	0.19	0.20	0.27	0.17	< 0.050	< 0.050	0.18	0.33	0.17	0.22	0.22	5	5
SPLP Metals, mg/L														
Arsenic	0.0053	0.0045	0.0049	0.011	0.0062	0.0044	0.0072	< 0.0040	< 0.0040	0.0063	0.0057	0.0042	---	0.05
Barium	0.046	0.047	0.063	0.083	0.074	0.029	0.052	0.055	0.091	0.077	0.064	0.062	2	2
Beryllium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.004	0.004
Cadmium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.005	0.005
Chromium	0.0075	0.0077	0.0085	0.014	0.0095	0.0092	0.017	0.0071	0.0044	0.011	0.0076	0.0066	0.1	0.1
Cobalt	< 0.0040	< 0.0040	< 0.0040	0.0043	< 0.0040	< 0.0040	0.0064	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	1	1
Copper	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	0.65	0.65
Iron	5.2	5.7	7.2	19	8.9	9.1	15	4.8	1.9	9.9	5.8	6.7	5	5
Lead	0.0021	0.0023	0.0072	0.0067	0.0035	0.0067	0.015	0.0049	0.0022	0.0044	0.0056	0.0031	0.0075	0.0075
Manganese	0.028	0.037	0.041	0.16	0.040	0.053	0.17	0.029	0.0085	0.076	0.059	0.042	0.15	0.15
Mercury	< 0.00025	< 0.00025	< 0.00025	< 0.00038	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	0.002	0.002
Nickel	0.0056	0.0070	0.0077	0.019	0.010	0.0099	0.017	0.0052	< 0.0040	0.012	0.0066	0.0066	0.1	0.1
Selenium	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Silver	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Zinc	0.022	< 0.020	0.030	0.073	0.037	0.056	0.073	0.024	< 0.020	0.031	0.027	0.024	5	5

--- - 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 Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.

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

Shaded values indicate concentration exceeds reference concentration

Table C-2 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Inorganics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-43-01	2531V-43-02	2531V-43-03	2531V-43-03 (Dup 10)	2531V-43-04	2531V-43-05	2531V-43-05	2531V-43-06	2531V-43-06 (Dup 5)	2531V-43-06	2531V-43-07	2531V-43-07	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-1	0-1	0-1	0-1	0-1	0-5	5-9	0-5	0-5	5-9	0-5	5-9		
Sample Date	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17	8/7/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43		
Parameter														
Laboratory soil pH (s.u.)	8.21	8.82	8.1	9.3	9.04	8.38	8.41	8.22	8.2	8.25	9.05	8.99	<6.25, >9.0	---
Total Metals, mg/kg														
Aluminum	3700	10000	23000	8800	7900	12000	6000	5300	9100	8600	7800	4000	---	---
Antimony	< 2.0	< 2.0	< 2.2	< 1.9	< 2.0	< 2.0	< 2.0	< 2.0	< 1.9	< 2.1	< 1.9	< 2.0	5	82
Arsenic	4.2	9.9	17	7.3	7.6	8.5	4.7	4.7	6.5	7.8	23	5.5	11.3 / 13	61
Barium	67	56	150	30	44	63	26	23	46	58	55	17	1,500	14,000
Beryllium	< 0.50	0.73	1.6	0.62	0.53	0.54	< 0.50	< 0.51	0.53	0.53	0.60	< 0.50	22	410
Cadmium	0.92	< 0.51	< 0.54	< 0.46	< 0.50	< 0.50	< 0.50	< 0.51	< 0.48	< 0.52	< 0.48	< 0.50	5.2	200
Calcium	160000	110000	33000	120000	120000	81000	130000	120000	130000	94000	75000	150000	---	---
Chromium	75	20	36	17	16	21	12	12	17	18	23	11	21	690
Cobalt	5.7	13	21	9.9	10	13	7.0	6.5	9.4	9.6	11	4.6	20	12,000
Copper	68	28	47	21	20	31	14	18	18	20	27	13	2,900	8,200
Iron	24000	27000	46000	21000	20000	28000	14000	14000	20000	21000	36000	13000	15,000 / 15,900	---
Lead	41	20	31	20	17	58	7.1	7.0	11	15	19	7.8	107	700
Magnesium	91000	61000	23000	83000	55000	45000	64000	61000	76000	54000	46000	82000	325,000	730,000
Manganese	590	600	390	480	460	600	390	430	540	530	450	770	630 / 636	4,100
Mercury	< 0.020	0.021	0.028	< 0.018	0.026	0.027	< 0.019	< 0.020	< 0.020	< 0.019	< 0.022	< 0.021	0.89	0.1
Nickel	18	31	56	25	24	31	16	16	21	23	27	12	100	4,100
Potassium	630	1800	2600	1600	1500	2000	1200	960	1600	1300	1400	1200	---	---
Selenium	< 1.0	< 1.0	< 1.1	< 0.93	< 0.99	< 1.0	< 1.0	< 1.0	< 0.96	< 1.0	< 0.96	< 0.99	1.3	1,000
Silver	< 1.0	< 1.0	< 1.1	< 0.93	< 0.99	< 1.0	< 1.0	< 1.0	< 0.96	< 1.0	< 0.96	< 0.99	4.4	1,000
Sodium	580	1800	3700	1600	2100	2000	940	620	890	960	1000	610	---	---
Thallium	< 1.0	< 1.0	< 1.1	< 0.93	< 0.99	< 1.0	< 1.0	< 1.0	< 0.96	< 1.0	< 0.96	< 0.99	2.6	160
Vanadium	17	25	45	29	20	26	16	16	23	22	33	14	550	1,400
Zinc	230	65	100	48	51	79	33	30	47	55	65	35	5,100	61,000
TCLP Metals, mg/L													Class I Groundwater ^{c/}	
Arsenic	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	---	0.05
Barium	0.47	0.46	0.70	0.22	0.45	0.36	0.22	0.33	0.31	0.35	0.56	0.23	2	2
Beryllium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.004	0.004
Cadmium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.005	0.005
Chromium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.1	0.1
Cobalt	0.014	0.046	0.019	0.023	0.11	0.019	0.019	< 0.010	0.015	< 0.010	< 0.010	< 0.010	1	1
Copper	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.65	0.65
Iron	0.85	6.4	0.58	< 0.25	2.2	< 0.25	< 0.25	< 0.25	2.8	< 0.25	0.44	< 0.25	5	5
Lead	< 0.0050	0.017	< 0.0050	< 0.0050	< 0.0050	0.0091	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0075	0.0075
Manganese	4.3	12	5.5	5.2	12	6.6	3.9	0.78	4.1	1.5	0.29	1.3	0.15	0.15
Mercury	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.002	0.002
Nickel	0.018	0.047	0.024	0.031	0.084	0.022	0.048	< 0.010	0.049	0.014	< 0.010	0.012	0.1	0.1
Selenium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Silver	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Zinc	< 0.10	0.077	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	5	5
SPLP Metals, mg/L														
Arsenic	< 0.0040	0.0042	0.0061	0.020	0.019	0.0072	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.0053	< 0.0040	---	0.05
Barium	< 0.020	< 0.020	0.037	0.10	0.092	0.048	0.028	0.028	0.021	0.029	0.049	0.030	2	2
Beryllium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.004	0.004
Cadmium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.005	0.005
Chromium	0.0045	0.0072	0.015	0.048	0.033	0.016	0.0098	0.0089	0.0081	0.010	0.014	0.011	0.1	0.1
Cobalt	< 0.0040	< 0.0040	0.0056	0.025	0.020	0.0074	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.0043	< 0.0040	1	1
Copper	< 0.040	< 0.040	< 0.040	0.060	0.048	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	0.65	0.65
Iron	2.8	6.6	13	48	37	16	8.7	6.1	5.2	6.1	11	8.9	5	5
Lead	0.0035	0.0061	0.0088	0.039	0.025	0.017	0.0030	< 0.0020	< 0.0020	0.0025	0.0039	0.0030	0.0075	0.0075
Manganese	0.020	0.066	0.14	0.50	0.46	0.18	0.076	0.031	0.035	0.048	0.092	0.060	0.15	0.15
Mercury	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	0.002	0.002
Nickel	0.0044	0.0091	0.015	0.062	0.049	0.019	0.0094	0.0063	0.0055	0.0068	0.013	0.010	0.1	0.1
Selenium	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Silver	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Zinc	0.028	0.031	0.044	0.13	0.11	0.070	0.048	< 0.040	< 0.040	< 0.040	0.052	0.054	5	5

--- - 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 Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.

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

Shaded values indicate concentration exceeds reference concentration

Table C-2 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Inorganics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-43-08	2531V-43-09	2531V-43-10	2531V-43-11	2531V-43-11	2531V-55-01	2531V-55-02	2531V-56-01	2531V-56-01 (Dup 14)	2531V-56-01	2531V-56-01	2531V-56-02	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	0-1	0-1	0-1	0-5	5-9	0-1	0-1	0-6	0-6	6-12	12-18	0-6		
Sample Date	8/9/17	8/8/17	8/7/17	8/7/17	8/7/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-43	2531V-43	2531V-43	2531V-43	2531V-43	2531V-55	2531V-55	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56		
Parameter														
Laboratory soil pH (s.u.)	8.52	8.73	8.71	8.04	7.53	8.73	8.87	8.05	8.22	7.61	7.96	9.28	<6.25, >9.0	---
Total Metals, mg/kg														
Aluminum	8400	10000	10000	9000	12000	11000	15000	8100	15000	12000	8100	8800	---	---
Antimony	< 2.1	< 2.0	< 2.0	< 2.0	< 2.1	< 2.0	< 2.3	< 2.0	< 2.1	< 2.3	< 2.1	< 2.0	5	82
Arsenic	12	8.2	7.9	8.7	9.0	7.5	13	10	14	6.3	7.5	5.0	11.3 / 13	61
Barium	42	76	78	68	96	130	88	67	120	130	52	38	1,500	14,000
Beryllium	0.58	0.52	0.62	0.55	0.63	0.84	0.99	0.59	1.4	0.81	0.64	0.60	22	410
Cadmium	< 0.52	< 0.49	< 0.51	< 0.51	< 0.52	< 0.51	< 0.57	< 0.50	0.99	< 0.56	< 0.52	< 0.51	5.2	200
Calcium	110000	39000	65000	77000	72000	11000	68000	92000	67000	5100	80000	120000	---	---
Chromium	20	18	18	17	17	20	27	15	30	22	17	18	21	690
Cobalt	11	9.5	11	11	9.1	14	16	11	19	9.2	11	10	20	12,000
Copper	29	22	22	23	20	24	41	26	46	19	29	19	2,900	8,200
Iron	29000	21000	22000	22000	21000	21000	33000	24000	36000	21000	28000	18000	15,000 / 15,900	---
Lead	18	24	23	31	12	34	46	24	210	14	16	10	107	700
Magnesium	64000	24000	37000	45000	43000	7500	41000	53000	39000	5500	42000	62000	325,000	730,000
Manganese	530	430	640	620	540	1200	710	690	830	550	480	470	630 / 636	4,100
Mercury	< 0.023	0.036	0.038	0.022	0.036	0.040	0.046	0.020	0.031	0.032	< 0.022	< 0.019	0.89	0.1
Nickel	28	22	24	24	21	21	36	25	42	28	35	25	100	4,100
Potassium	1700	1400	1500	1300	960	1400	1900	1000	2000	1500	1600	1800	---	---
Selenium	< 1.0	< 0.98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 0.99	< 1.1	< 1.1	< 1.0	< 1.0	1.3	1,000
Silver	< 1.0	< 0.98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 0.99	< 1.1	< 1.1	< 1.0	< 1.0	4.4	1,000
Sodium	2200	1500	2900	1400	340	1000	2800	1100	2800	570	200	1600	---	---
Thallium	< 1.0	< 0.98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 0.99	< 1.1	< 1.1	< 1.0	< 1.0	2.6	160
Vanadium	22	26	26	23	32	30	33	21	36	28	24	22	550	1,400
Zinc	60	65	59	58	48	85	110	81	170	81	82	40	5,100	61,000
TCLP Metals, mg/L													Class I Groundwater ^{c/}	
Arsenic	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	---	0.05
Barium	< 0.050	0.51	0.44	0.90	1.3	0.59	0.42	1.0	0.55	0.41	0.39	0.20	2	2
Beryllium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.004	0.004
Cadmium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.005	0.005
Chromium	0.016	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.1	0.1
Cobalt	< 0.010	< 0.010	< 0.010	0.021	0.034	< 0.010	0.032	0.022	0.023	< 0.010	0.021	0.041	1	1
Copper	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.65	0.65
Iron	14	< 0.25	< 0.25	< 0.25	< 0.25	0.68	0.37	0.89	0.32	0.54	< 0.25	< 0.25	5	5
Lead	0.0077	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.016	< 0.0050	0.017	< 0.0050	< 0.0050	< 0.0050	0.0075	0.0075
Manganese	0.14	0.14	0.72	11	9.7	0.19	9.3	8.8	6.9	2.5	3.1	4.9	0.15	0.15
Mercury	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.002	0.002
Nickel	0.018	< 0.010	< 0.010	0.019	0.036	< 0.010	0.070	0.020	0.027	0.061	0.046	0.045	0.1	0.1
Selenium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Silver	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Zinc	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.13	23	< 0.050	0.058	< 0.050	< 0.10	0.056	5	5
SPLP Metals, mg/L														
Arsenic	0.017	< 0.0040	0.010	0.0071	< 0.0040	0.0091	0.018	< 0.0040	0.011	0.0085	< 0.0040	0.0081	---	0.05
Barium	0.092	< 0.020	0.080	0.048	0.036	0.072	0.099	< 0.020	0.045	0.031	< 0.020	0.052	2	2
Beryllium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.004	0.004
Cadmium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.005	0.005
Chromium	0.034	< 0.0040	0.028	0.017	0.0073	0.023	0.037	0.0071	0.016	0.012	0.0049	0.022	0.1	0.1
Cobalt	0.019	< 0.0040	0.0064	0.0078	< 0.0040	0.0062	0.011	< 0.0040	0.0057	< 0.0040	< 0.0040	0.0070	1	1
Copper	0.048	< 0.040	0.058	< 0.040	< 0.040	< 0.040	0.049	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	0.65	0.65
Iron	38	1.1	32	16	5.9	19	37	6.8	13	12	3.7	19	5	5
Lead	0.022	0.0051	0.019	0.014	0.0029	0.015	0.038	0.0034	0.045	0.0041	0.0023	0.0085	0.0075	0.0075
Manganese	0.41	0.048	0.15	0.20	0.094	0.17	0.21	0.052	0.11	0.044	0.020	0.14	0.15	0.15
Mercury	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	0.002	0.002
Nickel	0.050	< 0.0040	0.023	0.020	0.0064	0.017	0.042	0.0087	0.016	0.0088	0.0051	0.022	0.1	0.1
Selenium	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Silver	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Zinc	0.11	< 0.020	0.12	0.063	0.044	0.077	0.19	0.033	0.051	0.039	0.024	0.059	5	5

---- - 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 Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.

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

Shaded values indicate concentration exceeds reference concentration

Table C-2 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Inorganics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-56-02	2531V-56-02	2531V-56-02 (Dup 13)	2531V-56-03	2531V-56-03	2531V-56-03	2531V-56-03	2531V-56-04 (Dup 12)	2531V-56-04	2531V-56-04	2531V-56-05	2531V-56-05	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	6-12	12-18	12-18	0-6	6-12	12-18	0-6	0-6	6-12	12-18	0-6	6-12		
Sample Date	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56		
Parameter														
Laboratory soil pH (s.u.)	8.5	8.38	8.21	8.74	8.76	8.77	8.54	10.21	8.07	8.48	8.87	7.48	<6.25, >9.0	---
Total Metals, mg/kg														
Aluminum	8200	2900	5000	4900	1500	1400	10000	16000	13000	5400	14000	9800	---	---
Antimony	< 2.0	< 1.9	< 2.1	< 1.9	< 1.9	< 1.9	< 2.1	< 2.0	< 2.2	< 2.0	< 2.3	< 1.9	5	82
Arsenic	6.0	4.0	9.4	5.3	13	4.7	8.3	9.3	15	14	7.5	6.3	11.3 / 13	61
Barium	37	18	30	29	10	8.2	64	69	94	27	82	87	1,500	14,000
Beryllium	0.55	< 0.47	< 0.53	< 0.48	< 0.47	< 0.47	0.78	1.0	0.83	< 0.50	0.90	0.72	22	410
Cadmium	< 0.51	< 0.47	< 0.53	< 0.48	< 0.47	< 0.47	< 0.51	< 0.51	< 0.54	< 0.50	< 0.57	< 0.48	5.2	200
Calcium	140000	220000	61000	170000	190000	230000	97000	58000	60000	160000	130000	61000	---	---
Chromium	19	7.2	14	11	5.6	6.0	19	24	23	11	25	22	21	690
Cobalt	9.4	5.1	7.8	6.7	3.9	3.2	11	13	19	5.8	12	8.7	20	12,000
Copper	18	11	17	15	14	9.3	24	28	32	12	23	24	2,900	8,200
Iron	18000	11000	20000	14000	19000	10000	24000	28000	38000	14000	26000	20000	15,000 / 15,900	---
Lead	9.8	5.2	12	7.9	7.4	4.2	21	23	17	6.2	30	36	107	700
Magnesium	68000	130000	120000	75000	100000	120000	56000	36000	37000	85000	74000	35000	325,000	730,000
Manganese	470	480	550	440	360	370	540	410	890	350	560	440	630 / 636	4,100
Mercury	< 0.019	< 0.018	< 0.022	< 0.019	< 0.021	< 0.018	0.020	< 0.020	0.025	< 0.023	0.023	0.026	0.89	0.1
Nickel	22	12	19	14	9.3	6.9	27	26	40	15	31	21	100	4,100
Potassium	1800	940	1200	1000	400	450	1400	1400	1700	1100	2300	1400	---	---
Selenium	< 1.0	< 0.94	< 1.1	< 0.96	< 0.95	< 0.94	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 0.95	1.3	1,000
Silver	< 1.0	< 0.94	< 1.1	< 0.96	< 0.95	< 0.94	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 0.95	4.4	1,000
Sodium	1100	410	600	1500	650	580	1700	5000	1000	400	1700	310	---	---
Thallium	< 1.0	< 0.94	< 1.1	< 0.96	< 0.95	< 0.94	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 0.95	2.6	160
Vanadium	22	9.5	17	15	9.1	7.2	26	42	26	14	28	26	550	1,400
Zinc	39	21	33	33	24	18	56	71	70	27	62	77	5,100	61,000
TCLP Metals, mg/L													Class I Groundwater ^{c/}	
Arsenic	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	---	0.05
Barium	0.39	0.21	0.34	0.20	0.10	0.084	0.32	0.52	0.75	0.31	0.33	0.58	2	2
Beryllium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.004	0.004
Cadmium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.005	0.005
Chromium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.1	0.1
Cobalt	0.044	< 0.010	< 0.010	0.048	0.019	< 0.010	0.072	0.045	0.020	0.13	0.064	0.012	1	1
Copper	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.65	0.65
Iron	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	0.35	9.7	< 0.25	< 0.25	0.28	< 0.25	5	5
Lead	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.021	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0075	0.0075
Manganese	4.7	0.94	1.1	4.5	2.2	1.7	7.9	9.8	8.1	7.2	8.3	6.4	0.15	0.15
Mercury	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.002	0.002
Nickel	0.025	0.015	0.011	0.047	0.041	0.025	0.059	0.046	0.022	0.17	0.058	0.023	0.1	0.1
Selenium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Silver	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Zinc	< 0.050	< 0.10	< 0.050	< 0.050	< 0.10	< 0.10	< 0.10	0.061	< 0.10	< 0.050	< 0.050	< 0.050	5	5
SPLP Metals, mg/L														
Arsenic	0.0042	< 0.0040	< 0.0040	0.0081	< 0.0040	< 0.0040	0.0083	0.025	0.017	< 0.0040	0.0073	< 0.0040	---	0.05
Barium	0.031	< 0.020	< 0.020	0.048	< 0.020	< 0.020	0.054	0.046	0.078	0.032	0.047	< 0.020	2	2
Beryllium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.004	0.004
Cadmium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.005	0.005
Chromium	0.013	< 0.0040	0.0047	0.017	< 0.0040	< 0.0040	0.017	0.016	0.026	0.011	0.015	< 0.0040	0.1	0.1
Cobalt	< 0.0040	< 0.0040	< 0.0040	0.0072	< 0.0040	< 0.0040	0.0074	0.0063	0.016	< 0.0040	0.0048	< 0.0040	1	1
Copper	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	0.65	0.65
Iron	9.2	0.14	2.2	17	< 0.10	< 0.10	17	12	35	5.2	13	2.1	5	5
Lead	0.0049	< 0.0020	< 0.0020	0.0080	< 0.0020	< 0.0020	0.013	0.010	0.016	0.0034	0.0074	< 0.0020	0.0075	0.0075
Manganese	0.071	< 0.0040	0.010	0.19	< 0.0040	< 0.0040	0.21	0.18	0.35	0.053	0.13	0.016	0.15	0.15
Mercury	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	0.002	0.002
Nickel	0.0099	< 0.0040	< 0.0040	0.020	< 0.0040	< 0.0040	0.022	0.017	0.037	0.0084	0.015	< 0.0040	0.1	0.1
Selenium	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Silver	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Zinc	0.032	< 0.020	< 0.020	0.060	< 0.020	< 0.020	0.056	0.041	0.077	0.027	0.046	0.021	5	5

--- - 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 Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.

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

Shaded values indicate concentration exceeds reference concentration

Table C-2 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Inorganics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-56-05	2531V-56-06	2531V-56-06	2531V-56-06 (Dup 11)	2531V-56-06	2531V-56-07	2531V-56-07	2531V-56-07	2531V-56-07	2531V-56-08	2531V-56-08	2531V-56-08	2531V-56-09	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	12-18	0-6	6-12	6-12	12-18	0-6	6-12	12-18	0-6	6-12	12-18	0-6			
Sample Date	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17			
Excavation Area(s) [ISGS Site No.(s)]	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56			
Parameter															
Laboratory soil pH (s.u.)	7.8	8.36	7.81	8.18	8.17	7.96	8.66	7.42	7.55	8.06	8.05	8.59	<6.25, >9.0	---	
Total Metals, mg/kg															
Aluminum	17000	11000	15000	18000	14000	19000	7200	4100	15000	4100	3000	10000	---	---	
Antimony	< 2.3	< 2.2	< 2.0	< 2.1	< 2.0	< 1.8	< 2.0	< 2.0	< 1.9	< 1.9	< 1.9	< 2.1	5	82	
Arsenic	8.3	12	12	12	4.0	16	3.2	2.0	8.2	6.0	4.4	13	11.3 / 13	61	
Barium	150	70	230	110	120	130	33	19	81	21	13	100	1,500	14,000	
Beryllium	1.2	0.79	1.2	1.2	0.90	1.4	< 0.50	< 0.49	0.79	< 0.48	< 0.47	0.67	22	410	
Cadmium	0.59	< 0.55	< 0.50	< 0.52	< 0.51	< 0.45	< 0.50	< 0.49	< 0.48	< 0.48	< 0.47	< 0.52	5.2	200	
Calcium	4500	140000	10000	70000	86000	9400	110000	160000	2100	110000	130000	45000	---	---	
Chromium	31	21	23	29	31	31	15	11	22	8.8	7.6	17	21	690	
Cobalt	24	12	14	17	26	18	7.6	6.4	15	6.2	4.6	12	20	12,000	
Copper	43	28	28	33	28	42	16	15	17	20	11	20	2,900	8,200	
Iron	39000	28000	30000	35000	27000	43000	18000	14000	25000	13000	11000	21000	15,000 / 15,900	---	
Lead	23	16	18	33	19	24	8.6	8.5	17	6.4	6.2	33	107	700	
Magnesium	6600	88000	8700	37000	53000	9000	55000	83000	3800	61000	59000	28000	325,000	730,000	
Manganese	1700	710	1100	800	1300	380	410	490	690	490	310	910	630 / 636	4,100	
Mercury	0.042	< 0.019	0.028	0.038	< 0.020	0.033	< 0.020	< 0.018	0.023	< 0.020	< 0.022	0.059	0.89	0.1	
Nickel	44	31	36	40	43	54	19	15	23	16	10	21	100	4,100	
Potassium	2300	1600	1200	2500	1900	2100	1600	1000	1400	690	610	1100	---	---	
Selenium	< 1.2	< 1.1	< 1.0	< 1.0	< 1.0	0.98	< 0.99	< 0.98	< 0.96	< 0.95	< 0.95	< 1.0	1.3	1,000	
Silver	< 1.2	< 1.1	< 1.0	< 1.0	< 1.0	< 0.91	< 0.99	< 0.98	< 0.96	< 0.95	< 0.95	< 1.0	4.4	1,000	
Sodium	420	980	630	590	520	1900	380	370	670	500	260	870	---	---	
Thallium	< 1.2	< 1.1	< 1.0	< 1.0	< 1.0	< 0.91	< 0.99	< 0.98	< 0.96	< 0.95	< 0.95	< 1.0	2.6	160	
Vanadium	39	29	42	38	31	37	18	17	33	16	11	28	550	1,400	
Zinc	110	63	70	85	72	86	36	38	50	31	28	65	5,100	61,000	
TCLP Metals, mg/L													Class I Groundwater ^{c/}		
Arsenic	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	---	0.05	
Barium	0.53	0.34	1.5	0.66	0.33	0.60	0.22	0.19	0.23	0.18	0.11	0.58	2	2	
Beryllium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.004	0.004	
Cadmium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.005	0.005	
Chromium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.1	0.1	
Cobalt	0.025	0.052	0.039	0.028	0.012	0.032	0.050	0.026	< 0.010	0.031	0.044	< 0.010	1	1	
Copper	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.65	0.65	
Iron	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	0.33	< 0.25	< 0.25	< 0.25	2.7	3.7	< 0.25	5	5	
Lead	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0052	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0075	0.0075	
Manganese	8.7	7.2	8.7	9.8	2.8	5.7	4.7	3.1	0.31	4.1	4.3	0.69	0.15	0.15	
Mercury	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.002	0.002	
Nickel	0.075	0.052	0.045	0.021	0.015	0.035	0.054	0.035	< 0.010	0.063	0.067	< 0.010	0.1	0.1	
Selenium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05	
Silver	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05	
Zinc	0.080	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.061	< 0.050	< 0.050	< 0.050	< 0.050	5	5	
SPLP Metals, mg/L															
Arsenic	0.0042	< 0.0040	0.0045	0.0061	< 0.0040	0.0068	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.0081	---	0.05	
Barium	0.065	0.040	0.054	0.045	0.042	0.055	0.032	< 0.020	0.039	< 0.020	< 0.020	0.036	2	2	
Beryllium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.004	0.004	
Cadmium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.005	0.005	
Chromium	0.021	0.014	0.013	0.015	0.015	0.017	0.012	< 0.0040	0.013	< 0.0040	< 0.0040	0.013	0.1	0.1	
Cobalt	0.0050	< 0.0040	< 0.0040	0.0051	0.0050	0.0060	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	1	1	
Copper	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	0.65	0.65	
Iron	17	9.2	12	12	11	14	8.2	0.11	9.6	0.50	2.0	11	5	5	
Lead	0.0058	0.0041	0.0042	0.0077	0.0058	0.0070	0.0048	< 0.0020	0.0041	< 0.0020	< 0.0020	0.0073	0.0075	0.0075	
Manganese	0.22	0.084	0.16	0.098	0.13	0.14	0.052	0.071	0.10	< 0.0040	0.0094	0.086	0.15	0.15	
Mercury	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	0.002	0.002	
Nickel	0.019	0.011	0.012	0.015	0.015	0.018	0.0080	< 0.0040	0.0094	< 0.0040	< 0.0040	0.011	0.1	0.1	
Selenium	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05	
Silver	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05	
Zinc	0.063	0.038	0.040	0.047	0.041	0.041	0.031	< 0.020	0.041	< 0.040	< 0.040	0.054	5	5	

--- - 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 Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.

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

Shaded values indicate concentration exceeds reference concentration

Table C-2 (Continued)
Comprehensive Comparison of Constituents to Applicable Reference Concentrations - Inorganics
Illinois Department of Transportation, District One
IL Route 59 - US Route 20
Bartlett/Streamwood, Cook County, Illinois

Boring ID	2531V-56-09	2531V-56-09	2531V-56-10	2531V-56-10	2531V-56-10 (Dup 4)	2531V-56-10	2531V-56-11	2531V-56-11	2531V-56-11	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}
Sample Depth, ft	6-12	12-18	0-6	6-12	6-12	12-18	0-6	6-12	12-18		
Sample Date	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17	8/9/17		
Excavation Area(s) [ISGS Site No.(s)]	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56	2531V-56		
Parameter											
Laboratory soil pH (s.u.)	8.48	8.34	8.29	8.75	8.36	8.83	8.28	8.39	7.76	<6.25, >9.0	---
Total Metals, mg/kg											
Aluminum	7100	2800	9700	2800	13000	2500	11000	9700	7900	---	---
Antimony	< 2.1	< 2.0	< 2.1	< 2.1	< 2.2	< 1.9	< 2.2	< 2.1	< 2.1	5	82
Arsenic	2.7	1.7	9.6	4.9	14	4.1	9.3	6.3	8.4	11.3 / 13	61
Barium	35	16	79	21	130	17	100	86	79	1,500	14,000
Beryllium	< 0.52	< 0.49	0.68	< 0.51	0.90	< 0.48	0.70	0.63	0.57	22	410
Cadmium	< 0.52	< 0.49	< 0.54	< 0.51	< 0.55	< 0.48	< 0.54	< 0.52	< 0.52	5.2	200
Calcium	79000	110000	42000	120000	94000	130000	51000	66000	59000	---	---
Chromium	14	6.9	18	7.7	23	8.1	19	18	17	21	690
Cobalt	4.0	4.1	11	4.7	13	3.9	10	12	11	20	12,000
Copper	14	15	24	13	28	8.4	23	20	24	2,900	8,200
Iron	16000	12000	22000	13000	30000	10000	23000	19000	21000	15,000 / 15,900	---
Lead	7.4	5.9	14	6.4	33	4.4	23	14	14	107	700
Magnesium	49000	59000	27000	67000	51000	67000	30000	31000	31000	325,000	730,000
Manganese	180	370	620	320	860	240	650	340	710	630 / 636	4,100
Mercury	< 0.019	< 0.021	0.027	< 0.021	0.024	< 0.018	0.027	< 0.024	< 0.020	0.89	0.1
Nickel	12	8.9	27	11	32	8.2	26	20	27	100	4,100
Potassium	920	590	1300	660	1500	720	1400	1700	1600	---	---
Selenium	< 1.0	< 0.98	< 1.1	< 1.0	< 1.1	< 0.97	< 1.1	< 1.0	< 1.0	1.3	1,000
Silver	< 1.0	< 0.98	< 1.1	< 1.0	< 1.1	< 0.97	< 1.1	< 1.0	< 1.0	4.4	1,000
Sodium	870	450	980	440	1500	470	210	1400	790	---	---
Thallium	< 1.0	< 0.98	< 1.1	< 1.0	< 1.1	< 0.97	< 1.1	< 1.0	< 1.0	2.6	160
Vanadium	21	13	28	11	39	12	29	25	24	550	1,400
Zinc	42	29	61	29	73	22	66	58	63	5,100	61,000
TCLP Metals, mg/L										Class I Groundwater ^{c/}	
Arsenic	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	---	0.05
Barium	0.49	0.17	1.0	0.51	0.74	0.37	0.83	0.81	0.98	2	2
Beryllium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.004	0.004
Cadmium	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.005	0.005
Chromium	0.012	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.1	0.1
Cobalt	< 0.010	0.041	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.082	1	1
Copper	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.65	0.65
Iron	< 0.25	2.7	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	1.2	5	5
Lead	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0075	0.0075
Manganese	0.70	5.4	1.6	1.0	0.21	1.7	0.19	1.1	4.8	0.15	0.15
Mercury	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.002	0.002
Nickel	0.020	0.067	0.017	0.015	< 0.010	0.022	< 0.010	0.016	0.21	0.1	0.1
Selenium	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Silver	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.05	0.05
Zinc	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.20	5	5
SPLP Metals, mg/L											
Arsenic	< 0.0040	< 0.0040	0.0050	0.011	0.0074	0.012	< 0.0040	0.0074	< 0.0040	---	0.05
Barium	0.047	< 0.020	0.034	0.061	0.048	0.068	0.022	0.042	0.043	2	2
Beryllium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.004	0.004
Cadmium	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.005	0.005
Chromium	0.020	0.0080	0.011	0.019	0.016	0.023	0.0072	0.013	< 0.0040	0.1	0.1
Cobalt	< 0.0040	< 0.0040	< 0.0040	0.0067	< 0.0040	0.0098	< 0.0040	< 0.0040	< 0.0040	1	1
Copper	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	0.040	< 0.040	< 0.040	< 0.040	0.65	0.65
Iron	15	6.3	10	30	16	41	5.5	12	0.95	5	5
Lead	0.0054	0.0028	0.0047	0.0094	0.0081	0.012	0.0022	0.0061	< 0.0020	0.0075	0.0075
Manganese	0.072	0.036	0.074	0.14	0.13	0.17	0.030	0.053	0.042	0.15	0.15
Mercury	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	0.002	0.002
Nickel	0.012	0.0046	0.0092	0.021	0.013	0.025	0.0048	0.0085	< 0.0040	0.1	0.1
Selenium	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Silver	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.05	0.05
Zinc	0.061	< 0.040	0.046	0.088	0.062	0.095	< 0.040	0.048	< 0.040	5	5

--- - 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 Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.

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

Shaded values indicate concentration exceeds reference concentration

STAT Analysis Corporation

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

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

August 07, 2017

Huff & Huff, Inc.
915 Harger Road
Oak Brook, IL 60523-1486

Telephone: (630) 684-9100
Fax: (630) 684-9120

Analytical Report for STAT Work Order: 17070839 Revision 0

RE: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Dear Jill Connolly:

STAT Analysis received 23 samples for the referenced project on 7/28/2017 11:45:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Craig Chawla
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

Client: Huff & Huff, Inc.**Project:** 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL**Work Order Sample Summary****Work Order:** 17070839 Revision 0

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
17070839-001A	2531V-34-01 (0-5')		7/27/2017 9:48:00 AM	7/28/2017
17070839-001B	2531V-34-01 (0-5')		7/27/2017 9:48:00 AM	7/28/2017
17070839-002A	2531V-34-01 (5-9')		7/27/2017 9:50:00 AM	7/28/2017
17070839-002B	2531V-34-01 (5-9')		7/27/2017 9:50:00 AM	7/28/2017
17070839-003A	2531V-34-02 (0-7')		7/27/2017 9:53:00 AM	7/28/2017
17070839-003B	2531V-34-02 (0-7')		7/27/2017 9:53:00 AM	7/28/2017
17070839-004A	2531V-34-02 (7-14')		7/27/2017 9:56:00 AM	7/28/2017
17070839-004B	2531V-34-02 (7-14')		7/27/2017 9:56:00 AM	7/28/2017
17070839-005A	2531V-34-03 (0-3.5')		7/27/2017 10:03:00 AM	7/28/2017
17070839-005B	2531V-34-03 (0-3.5')		7/27/2017 10:03:00 AM	7/28/2017
17070839-006A	2531V-35-01 (0-5')		7/27/2017 9:40:00 AM	7/28/2017
17070839-006B	2531V-35-01 (0-5')		7/27/2017 9:40:00 AM	7/28/2017
17070839-007A	2531V-35-01 (5-9')		7/27/2017 9:43:00 AM	7/28/2017
17070839-007B	2531V-35-01 (5-9')		7/27/2017 9:43:00 AM	7/28/2017
17070839-008A	2531V-35-02 (0-3.5')		7/27/2017 9:37:00 AM	7/28/2017
17070839-008B	2531V-35-02 (0-3.5')		7/27/2017 9:37:00 AM	7/28/2017
17070839-009A	2531V-36-01 (0-5')		7/27/2017 9:22:00 AM	7/28/2017
17070839-009B	2531V-36-01 (0-5')		7/27/2017 9:22:00 AM	7/28/2017
17070839-010A	2531V-36-01 (5-9')		7/27/2017 9:30:00 AM	7/28/2017
17070839-010B	2531V-36-01 (5-9')		7/27/2017 9:30:00 AM	7/28/2017
17070839-011A	2531V-36-02 (0-3.5')		7/27/2017 9:20:00 AM	7/28/2017
17070839-011B	2531V-36-02 (0-3.5')		7/27/2017 9:20:00 AM	7/28/2017
17070839-012A	2531V-36-03 (0-3.5')		7/27/2017 9:18:00 AM	7/28/2017
17070839-012B	2531V-36-03 (0-3.5')		7/27/2017 9:18:00 AM	7/28/2017
17070839-013A	2531V-37-01 (0-3.5')		7/27/2017 9:15:00 AM	7/28/2017
17070839-013B	2531V-37-01 (0-3.5')		7/27/2017 9:15:00 AM	7/28/2017
17070839-014A	2531V-37-02 (0-3.5')		7/27/2017 9:12:00 AM	7/28/2017
17070839-014B	2531V-37-02 (0-3.5')		7/27/2017 9:12:00 AM	7/28/2017
17070839-015A	2531V-37-03 (0-3.5')		7/27/2017 9:10:00 AM	7/28/2017
17070839-015B	2531V-37-03 (0-3.5')		7/27/2017 9:10:00 AM	7/28/2017
17070839-016A	2531V-37-04 (0-3.5')		7/27/2017 9:05:00 AM	7/28/2017
17070839-016B	2531V-37-04 (0-3.5')		7/27/2017 9:05:00 AM	7/28/2017
17070839-017A	2531V-41-03 (0-7')		7/27/2017 10:20:00 AM	7/28/2017
17070839-017B	2531V-41-03 (0-7')		7/27/2017 10:20:00 AM	7/28/2017
17070839-018A	2531V-41-03 (7-14')		7/27/2017 10:23:00 AM	7/28/2017
17070839-018B	2531V-41-03 (7-14')		7/27/2017 10:23:00 AM	7/28/2017
17070839-019A	2531V-41-04 (0-3.5')		7/27/2017 10:35:00 AM	7/28/2017
17070839-019B	2531V-41-04 (0-3.5')		7/27/2017 10:35:00 AM	7/28/2017

Client: Huff & Huff, Inc.
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Work Order: 17070839 Revision 0

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
17070839-020A	2531V-41-05 (0-3.5')		7/27/2017 10:37:00 AM	7/28/2017
17070839-020B	2531V-41-05 (0-3.5')		7/27/2017 10:37:00 AM	7/28/2017
17070839-021A	2531V-DUP-01		7/27/2017 12:30:00 PM	7/28/2017
17070839-021B	2531V-DUP-01		7/27/2017 12:30:00 PM	7/28/2017
17070839-022A	2531V-DUP-02		7/27/2017 9:00:00 AM	7/28/2017
17070839-022B	2531V-DUP-02		7/27/2017 9:00:00 AM	7/28/2017
17070839-023A	Trip Blank		7/27/2017	7/28/2017

CLIENT: Huff & Huff, Inc.
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Work Order: 17070839 Revision 0

CASE NARRATIVE

Please refer to Analytical QC Summary Report for QC outliers.

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-01 (0-5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:48:00 AM

Lab ID: 17070839-001A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 7/28/2017		Analyst: ERP
Acetone	ND	0.072		mg/Kg-dry	1	8/3/2017
Benzene	ND	0.0048		mg/Kg-dry	1	8/3/2017
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
Bromoform	ND	0.0048		mg/Kg-dry	1	8/3/2017
Bromomethane	ND	0.0097		mg/Kg-dry	1	8/3/2017
2-Butanone	ND	0.072		mg/Kg-dry	1	8/3/2017
Carbon disulfide	ND	0.048		mg/Kg-dry	1	8/3/2017
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	8/3/2017
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	8/3/2017
Chloroethane	ND	0.0097		mg/Kg-dry	1	8/3/2017
Chloroform	ND	0.0048		mg/Kg-dry	1	8/3/2017
Chloromethane	ND	0.0097		mg/Kg-dry	1	8/3/2017
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/3/2017
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/3/2017
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	8/3/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/3/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/3/2017
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	8/3/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/3/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/3/2017
Methylene chloride	ND	0.0097		mg/Kg-dry	1	8/3/2017
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	8/3/2017
Styrene	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	8/3/2017
Toluene	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
Trichloroethene	ND	0.0048		mg/Kg-dry	1	8/3/2017
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	8/3/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/3/2017

Qualifiers:

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J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

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: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-01 (0-5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:48:00 AM

Lab ID: 17070839-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 7/31/2017		Analyst: ERP
Acenaphthene	ND	0.039		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	0.98		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/1/2017

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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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-01 (0-5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:48:00 AM

Lab ID: 17070839-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 7/31/2017	Analyst: ERP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.79		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/1/2017	Analyst: JG
Aluminum	13000	21		mg/Kg-dry	10	8/2/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/2/2017
Arsenic	11	1.1		mg/Kg-dry	10	8/2/2017
Barium	68	1.1		mg/Kg-dry	10	8/2/2017
Beryllium	0.74	0.53		mg/Kg-dry	10	8/2/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-01 (0-5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:48:00 AM

Lab ID: 17070839-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.53		mg/Kg-dry	10	8/2/2017
Calcium	58000	64		mg/Kg-dry	10	8/2/2017
Chromium	18	1.1		mg/Kg-dry	10	8/2/2017
Cobalt	15	1.1		mg/Kg-dry	10	8/2/2017
Copper	23	2.7		mg/Kg-dry	10	8/2/2017
Iron	25000	32		mg/Kg-dry	10	8/2/2017
Lead	17	0.53		mg/Kg-dry	10	8/2/2017
Magnesium	32000	32		mg/Kg-dry	10	8/2/2017
Manganese	650	1.1		mg/Kg-dry	10	8/2/2017
Nickel	31	1.1		mg/Kg-dry	10	8/2/2017
Potassium	2000	32		mg/Kg-dry	10	8/2/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/2/2017
Silver	ND	1.1		mg/Kg-dry	10	8/2/2017
Sodium	1100	64		mg/Kg-dry	10	8/2/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/2/2017
Vanadium	24	1.1		mg/Kg-dry	10	8/2/2017
Zinc	64	5.3		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	0.014	0.0040		mg/L	2	8/1/2017
Barium	0.19	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	0.022	0.0040		mg/L	2	8/1/2017
Cobalt	0.0072	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	25	0.10		mg/L	2	8/1/2017
Lead	0.0099	0.0020		mg/L	2	8/1/2017
Manganese	0.14	0.0040		mg/L	2	8/1/2017
Nickel	0.028	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	0.075	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/2/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	0.63	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-01 (0-5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:48:00 AM

Lab ID: 17070839-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)				Prep Date: 8/2/2017	Analyst: JG
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	0.024	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	ND	0.25		mg/L	5	8/2/2017
Lead	ND	0.0050		mg/L	5	8/2/2017
Manganese	4.6	0.010		mg/L	5	8/2/2017
Nickel	0.040	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.20	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A				Prep Date: 8/2/2017	Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A				Prep Date: 7/31/2017	Analyst: LB
Mercury	ND	0.00038		mg/L	1	7/31/2017
Mercury	SW7471A				Prep Date: 7/28/2017	Analyst: LB
Mercury	ND	0.022		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C				Prep Date: 7/28/2017	Analyst: VA
pH	8.52			pH Units	1	7/28/2017
Percent Moisture	D2974				Prep Date: 7/28/2017	Analyst: KKA
Percent Moisture	16.2	0.2	*	wt%	1	7/29/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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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: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-01 (5-9')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:50:00 AM

Lab ID: 17070839-002A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 7/28/2017		Analyst: ERP
Acetone	0.084	0.074		mg/Kg-dry	1	8/3/2017
Benzene	ND	0.0050		mg/Kg-dry	1	8/3/2017
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
Bromoform	ND	0.0050		mg/Kg-dry	1	8/3/2017
Bromomethane	ND	0.0099		mg/Kg-dry	1	8/3/2017
2-Butanone	ND	0.074		mg/Kg-dry	1	8/3/2017
Carbon disulfide	ND	0.050		mg/Kg-dry	1	8/3/2017
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	8/3/2017
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	8/3/2017
Chloroethane	ND	0.0099		mg/Kg-dry	1	8/3/2017
Chloroform	ND	0.0050		mg/Kg-dry	1	8/3/2017
Chloromethane	ND	0.0099		mg/Kg-dry	1	8/3/2017
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/3/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/3/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	8/3/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/3/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/3/2017
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	8/3/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/3/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/3/2017
Methylene chloride	ND	0.0099		mg/Kg-dry	1	8/3/2017
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	8/3/2017
Styrene	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	8/3/2017
Toluene	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
Trichloroethene	ND	0.0050		mg/Kg-dry	1	8/3/2017
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	8/3/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/3/2017

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-01 (5-9')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:50:00 AM

Lab ID: 17070839-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 7/31/2017		Analyst: ERP
Acenaphthene	ND	0.040		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/1/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-01 (5-9')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:50:00 AM

Lab ID: 17070839-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 7/31/2017 Analyst: ERP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.080		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.80		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/1/2017 Analyst: JG
Aluminum	14000	20		mg/Kg-dry	10	8/2/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/2/2017
Arsenic	13	1.0		mg/Kg-dry	10	8/2/2017
Barium	90	1.0		mg/Kg-dry	10	8/2/2017
Beryllium	0.87	0.50		mg/Kg-dry	10	8/2/2017

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-01 (5-9')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:50:00 AM

Lab ID: 17070839-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/2/2017
Calcium	64000	60		mg/Kg-dry	10	8/2/2017
Chromium	20	1.0		mg/Kg-dry	10	8/2/2017
Cobalt	15	1.0		mg/Kg-dry	10	8/2/2017
Copper	26	2.5		mg/Kg-dry	10	8/2/2017
Iron	29000	30		mg/Kg-dry	10	8/2/2017
Lead	21	0.50		mg/Kg-dry	10	8/2/2017
Magnesium	38000	30		mg/Kg-dry	10	8/2/2017
Manganese	940	1.0		mg/Kg-dry	10	8/2/2017
Nickel	33	1.0		mg/Kg-dry	10	8/2/2017
Potassium	2000	30		mg/Kg-dry	10	8/2/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/2/2017
Silver	ND	1.0		mg/Kg-dry	10	8/2/2017
Sodium	1400	60		mg/Kg-dry	10	8/2/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/2/2017
Vanadium	27	1.0		mg/Kg-dry	10	8/2/2017
Zinc	76	5.0		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	0.0043	0.0040		mg/L	2	8/1/2017
Barium	0.046	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	0.0060	0.0040		mg/L	2	8/1/2017
Cobalt	ND	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	3.8	0.10		mg/L	2	8/1/2017
Lead	ND	0.0020		mg/L	2	8/1/2017
Manganese	0.031	0.0040		mg/L	2	8/1/2017
Nickel	0.0041	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	ND	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	0.67	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-01 (5-9')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:50:00 AM

Lab ID: 17070839-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 7/31/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	ND	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	ND	0.25		mg/L	5	8/2/2017
Lead	ND	0.0050		mg/L	5	8/2/2017
Manganese	0.68	0.010		mg/L	5	8/2/2017
Nickel	ND	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.13	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/2/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A					Prep Date: 7/31/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A					Prep Date: 7/28/2017 Analyst: LB
Mercury	ND	0.021		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C					Prep Date: 7/28/2017 Analyst: VA
pH	8.41			pH Units	1	7/28/2017
Percent Moisture	D2974					Prep Date: 7/28/2017 Analyst: KKA
Percent Moisture	16.8	0.2	*	wt%	1	7/29/2017

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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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-02 (0-7")

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:53:00 AM

Lab ID: 17070839-003A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 7/28/2017	Analyst: ERP
Acetone	ND	0.075		mg/Kg-dry	1	8/3/2017
Benzene	ND	0.0050		mg/Kg-dry	1	8/3/2017
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
Bromoform	ND	0.0050		mg/Kg-dry	1	8/3/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/3/2017
2-Butanone	ND	0.075		mg/Kg-dry	1	8/3/2017
Carbon disulfide	ND	0.050		mg/Kg-dry	1	8/3/2017
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	8/3/2017
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	8/3/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/3/2017
Chloroform	ND	0.0050		mg/Kg-dry	1	8/3/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/3/2017
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/3/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/3/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	8/3/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/3/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/3/2017
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	8/3/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/3/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/3/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/3/2017
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	8/3/2017
Styrene	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	8/3/2017
Toluene	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
Trichloroethene	ND	0.0050		mg/Kg-dry	1	8/3/2017
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	8/3/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/3/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-02 (0-7")

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:53:00 AM

Lab ID: 17070839-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 7/31/2017		Analyst: ERP
Acenaphthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	0.93		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	0.93		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	0.93		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/1/2017

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-02 (0-7")

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:53:00 AM

Lab ID: 17070839-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 7/31/2017		Analyst: ERP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
Fluoranthene	0.053	0.037		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.075		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Pyrene	0.041	0.037		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.75		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Metals by ICP/MS		SW6020 (SW3050B)		Prep Date: 8/1/2017		Analyst: JG
Aluminum	13000	19		mg/Kg-dry	10	8/2/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/2/2017
Arsenic	6.8	0.97		mg/Kg-dry	10	8/2/2017
Barium	170	0.97		mg/Kg-dry	10	8/2/2017
Beryllium	0.90	0.49		mg/Kg-dry	10	8/2/2017

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-02 (0-7")

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:53:00 AM

Lab ID: 17070839-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	0.56	0.49		mg/Kg-dry	10	8/2/2017
Calcium	49000	58		mg/Kg-dry	10	8/2/2017
Chromium	18	0.97		mg/Kg-dry	10	8/2/2017
Cobalt	8.6	0.97		mg/Kg-dry	10	8/2/2017
Copper	27	2.4		mg/Kg-dry	10	8/2/2017
Iron	20000	29		mg/Kg-dry	10	8/2/2017
Lead	25	0.49		mg/Kg-dry	10	8/2/2017
Magnesium	25000	29		mg/Kg-dry	10	8/2/2017
Manganese	440	0.97		mg/Kg-dry	10	8/2/2017
Nickel	27	0.97		mg/Kg-dry	10	8/2/2017
Potassium	1200	29		mg/Kg-dry	10	8/2/2017
Selenium	ND	0.97		mg/Kg-dry	10	8/2/2017
Silver	ND	0.97		mg/Kg-dry	10	8/2/2017
Sodium	1300	58		mg/Kg-dry	10	8/2/2017
Thallium	ND	0.97		mg/Kg-dry	10	8/2/2017
Vanadium	26	0.97		mg/Kg-dry	10	8/2/2017
Zinc	85	4.9		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	0.0057	0.0040		mg/L	2	8/1/2017
Barium	0.035	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	0.0044	0.0040		mg/L	2	8/1/2017
Cobalt	ND	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	1.5	0.10		mg/L	2	8/1/2017
Lead	0.0036	0.0020		mg/L	2	8/1/2017
Manganese	0.015	0.0040		mg/L	2	8/1/2017
Nickel	ND	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	ND	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	0.65	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-02 (0-7')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:53:00 AM

Lab ID: 17070839-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 7/31/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	ND	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	ND	0.25		mg/L	5	8/2/2017
Lead	ND	0.0050		mg/L	5	8/2/2017
Manganese	0.24	0.010		mg/L	5	8/2/2017
Nickel	ND	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.053	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/2/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A		Prep Date: 7/31/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A		Prep Date: 7/28/2017		Analyst: LB	
Mercury	0.031	0.021		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C		Prep Date: 7/28/2017		Analyst: VA	
pH	8.36			pH Units	1	7/28/2017
Percent Moisture	D2974		Prep Date: 7/28/2017		Analyst: KKA	
Percent Moisture	10.4	0.2	*	wt%	1	7/29/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-02 (7-14')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:56:00 AM

Lab ID: 17070839-004A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 7/28/2017	Analyst: ERP
Acetone	ND	0.066		mg/Kg-dry	1	8/3/2017
Benzene	ND	0.0044		mg/Kg-dry	1	8/3/2017
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	8/3/2017
Bromoform	ND	0.0044		mg/Kg-dry	1	8/3/2017
Bromomethane	ND	0.0088		mg/Kg-dry	1	8/3/2017
2-Butanone	ND	0.066		mg/Kg-dry	1	8/3/2017
Carbon disulfide	ND	0.044		mg/Kg-dry	1	8/3/2017
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	8/3/2017
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	8/3/2017
Chloroethane	ND	0.0088		mg/Kg-dry	1	8/3/2017
Chloroform	ND	0.0044		mg/Kg-dry	1	8/3/2017
Chloromethane	ND	0.0088		mg/Kg-dry	1	8/3/2017
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/3/2017
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/3/2017
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/3/2017
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/3/2017
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	8/3/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/3/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/3/2017
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	8/3/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/3/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/3/2017
Methylene chloride	ND	0.0088		mg/Kg-dry	1	8/3/2017
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	8/3/2017
Styrene	ND	0.0044		mg/Kg-dry	1	8/3/2017
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	8/3/2017
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	8/3/2017
Toluene	ND	0.0044		mg/Kg-dry	1	8/3/2017
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/3/2017
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/3/2017
Trichloroethene	ND	0.0044		mg/Kg-dry	1	8/3/2017
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	8/3/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/3/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-02 (7-14')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:56:00 AM

Lab ID: 17070839-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 7/31/2017		Analyst: ERP
Acenaphthene	ND	0.039		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	0.97		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	0.97		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	0.97		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/1/2017

Qualifiers:

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-02 (7-14')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:56:00 AM

Lab ID: 17070839-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 7/31/2017 Analyst: ERP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.78		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/1/2017 Analyst: JG
Aluminum	9900	20		mg/Kg-dry	10	8/2/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/2/2017
Arsenic	3.7	0.98		mg/Kg-dry	10	8/2/2017
Barium	45	0.98		mg/Kg-dry	10	8/2/2017
Beryllium	0.60	0.49		mg/Kg-dry	10	8/2/2017

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-02 (7-14')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:56:00 AM

Lab ID: 17070839-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/2/2017
Calcium	93000	59		mg/Kg-dry	10	8/2/2017
Chromium	16	0.98		mg/Kg-dry	10	8/2/2017
Cobalt	13	0.98		mg/Kg-dry	10	8/2/2017
Copper	26	2.5		mg/Kg-dry	10	8/2/2017
Iron	26000	30		mg/Kg-dry	10	8/2/2017
Lead	17	0.49		mg/Kg-dry	10	8/2/2017
Magnesium	50000	30		mg/Kg-dry	10	8/2/2017
Manganese	670	0.98		mg/Kg-dry	10	8/2/2017
Nickel	34	0.98		mg/Kg-dry	10	8/2/2017
Potassium	2000	30		mg/Kg-dry	10	8/2/2017
Selenium	1.1	0.98		mg/Kg-dry	10	8/2/2017
Silver	ND	0.98		mg/Kg-dry	10	8/2/2017
Sodium	780	59		mg/Kg-dry	10	8/2/2017
Thallium	ND	0.98		mg/Kg-dry	10	8/2/2017
Vanadium	19	0.98		mg/Kg-dry	10	8/2/2017
Zinc	79	4.9		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/1/2017
Barium	0.046	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	ND	0.0040		mg/L	2	8/1/2017
Cobalt	ND	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	ND	0.10		mg/L	2	8/1/2017
Lead	ND	0.0020		mg/L	2	8/1/2017
Manganese	ND	0.0040		mg/L	2	8/1/2017
Nickel	ND	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	ND	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/2/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	0.59	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-02 (7-14')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:56:00 AM

Lab ID: 17070839-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)			Prep Date: 8/2/2017		Analyst: JG
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	0.050	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	0.27	0.25		mg/L	5	8/2/2017
Lead	ND	0.0050		mg/L	5	8/2/2017
Manganese	7.5	0.010		mg/L	5	8/2/2017
Nickel	0.023	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.18	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A			Prep Date: 8/2/2017		Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A			Prep Date: 7/31/2017		Analyst: LB
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A			Prep Date: 7/28/2017		Analyst: LB
Mercury	ND	0.018		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C			Prep Date: 7/28/2017		Analyst: VA
pH	7.86			pH Units	1	7/28/2017
Percent Moisture	D2974			Prep Date: 7/28/2017		Analyst: KKA
Percent Moisture	14.7	0.2	*	wt%	1	7/29/2017

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-03 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 10:03:00 AM

Lab ID: 17070839-005A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 7/28/2017	Analyst: ERP
Acetone	ND	0.072		mg/Kg-dry	1	8/3/2017
Benzene	ND	0.0048		mg/Kg-dry	1	8/3/2017
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
Bromoform	ND	0.0048		mg/Kg-dry	1	8/3/2017
Bromomethane	ND	0.0096		mg/Kg-dry	1	8/3/2017
2-Butanone	ND	0.072		mg/Kg-dry	1	8/3/2017
Carbon disulfide	ND	0.048		mg/Kg-dry	1	8/3/2017
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	8/3/2017
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	8/3/2017
Chloroethane	ND	0.0096		mg/Kg-dry	1	8/3/2017
Chloroform	ND	0.0048		mg/Kg-dry	1	8/3/2017
Chloromethane	ND	0.0096		mg/Kg-dry	1	8/3/2017
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/3/2017
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/3/2017
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	8/3/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/3/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/3/2017
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	8/3/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/3/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/3/2017
Methylene chloride	ND	0.0096		mg/Kg-dry	1	8/3/2017
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	8/3/2017
Styrene	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	8/3/2017
Toluene	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
Trichloroethene	ND	0.0048		mg/Kg-dry	1	8/3/2017
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	8/3/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/3/2017

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-03 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 10:03:00 AM

Lab ID: 17070839-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 7/31/2017		Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	0.92		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	0.92		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	0.92		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/1/2017

Qualifiers:

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-03 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 10:03:00 AM

Lab ID: 17070839-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 7/31/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.074		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.74		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/1/2017 Analyst: JG

Aluminum	13000	19		mg/Kg-dry	10	8/2/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/2/2017
Arsenic	9.8	0.96		mg/Kg-dry	10	8/2/2017
Barium	100	0.96		mg/Kg-dry	10	8/2/2017
Beryllium	0.80	0.48		mg/Kg-dry	10	8/2/2017

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

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

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-03 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 10:03:00 AM

Lab ID: 17070839-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/2/2017
Calcium	60000	58		mg/Kg-dry	10	8/2/2017
Chromium	20	0.96		mg/Kg-dry	10	8/2/2017
Cobalt	9.9	0.96		mg/Kg-dry	10	8/2/2017
Copper	22	2.4		mg/Kg-dry	10	8/2/2017
Iron	24000	29		mg/Kg-dry	10	8/2/2017
Lead	64	0.48		mg/Kg-dry	10	8/2/2017
Magnesium	31000	29		mg/Kg-dry	10	8/2/2017
Manganese	560	0.96		mg/Kg-dry	10	8/2/2017
Nickel	25	0.96		mg/Kg-dry	10	8/2/2017
Potassium	1500	29		mg/Kg-dry	10	8/2/2017
Selenium	ND	0.96		mg/Kg-dry	10	8/2/2017
Silver	ND	0.96		mg/Kg-dry	10	8/2/2017
Sodium	2400	58		mg/Kg-dry	10	8/2/2017
Thallium	ND	0.96		mg/Kg-dry	10	8/2/2017
Vanadium	27	0.96		mg/Kg-dry	10	8/2/2017
Zinc	89	4.8		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	0.0097	0.0040		mg/L	2	8/1/2017
Barium	0.12	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	0.015	0.0040		mg/L	2	8/1/2017
Cobalt	0.0041	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	14	0.10		mg/L	2	8/1/2017
Lead	0.011	0.0020		mg/L	2	8/1/2017
Manganese	0.12	0.0040		mg/L	2	8/1/2017
Nickel	0.015	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	0.060	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	0.87	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

Qualifiers:

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J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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E - Value above quantitation range

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-03 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 10:03:00 AM

Lab ID: 17070839-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 7/31/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	ND	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	ND	0.25		mg/L	5	8/2/2017
Lead	ND	0.0050		mg/L	5	8/2/2017
Manganese	0.78	0.010		mg/L	5	8/2/2017
Nickel	ND	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.14	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/2/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A		Prep Date: 7/31/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A		Prep Date: 7/28/2017		Analyst: LB	
Mercury	ND	0.019		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C		Prep Date: 7/31/2017		Analyst: RW	
pH	8.86			pH Units	1	7/31/2017
Percent Moisture	D2974		Prep Date: 7/28/2017		Analyst: KKA	
Percent Moisture	10.2	0.2	*	wt%	1	7/29/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-35-01 (0-5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:40:00 AM

Lab ID: 17070839-006A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 7/28/2017		Analyst: ERP
Acetone	ND	0.080		mg/Kg-dry	1	8/3/2017
Benzene	ND	0.0053		mg/Kg-dry	1	8/3/2017
Bromodichloromethane	ND	0.0053		mg/Kg-dry	1	8/3/2017
Bromoform	ND	0.0053		mg/Kg-dry	1	8/3/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/3/2017
2-Butanone	ND	0.080		mg/Kg-dry	1	8/3/2017
Carbon disulfide	ND	0.053		mg/Kg-dry	1	8/3/2017
Carbon tetrachloride	ND	0.0053		mg/Kg-dry	1	8/3/2017
Chlorobenzene	ND	0.0053		mg/Kg-dry	1	8/3/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/3/2017
Chloroform	ND	0.0053		mg/Kg-dry	1	8/3/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/3/2017
Dibromochloromethane	ND	0.0053		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/3/2017
1,2-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/3/2017
cis-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/3/2017
trans-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/3/2017
1,2-Dichloropropane	ND	0.0053		mg/Kg-dry	1	8/3/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/3/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/3/2017
Ethylbenzene	ND	0.0053		mg/Kg-dry	1	8/3/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/3/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/3/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/3/2017
Methyl tert-butyl ether	ND	0.0053		mg/Kg-dry	1	8/3/2017
Styrene	ND	0.0053		mg/Kg-dry	1	8/3/2017
1,1,2,2-Tetrachloroethane	ND	0.0053		mg/Kg-dry	1	8/3/2017
Tetrachloroethene	ND	0.0053		mg/Kg-dry	1	8/3/2017
Toluene	ND	0.0053		mg/Kg-dry	1	8/3/2017
1,1,1-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/3/2017
1,1,2-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/3/2017
Trichloroethene	ND	0.0053		mg/Kg-dry	1	8/3/2017
Vinyl chloride	ND	0.0053		mg/Kg-dry	1	8/3/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/3/2017

Qualifiers:

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Report Date: August 07, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-35-01 (0-5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:40:00 AM

Lab ID: 17070839-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 7/31/2017		Analyst: DM

Acenaphthene	ND	0.036		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.036		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.36		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.36		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	0.90		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	0.90		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.036		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	0.90		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/1/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-35-01 (0-5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:40:00 AM

Lab ID: 17070839-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 7/31/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.036		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.036		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.036		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.036		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.073		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.036		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.036		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.73		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/1/2017 Analyst: JG

Aluminum	3400	19		mg/Kg-dry	10	8/2/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/2/2017
Arsenic	6.1	0.95		mg/Kg-dry	10	8/2/2017
Barium	18	0.95		mg/Kg-dry	10	8/2/2017
Beryllium	ND	0.48		mg/Kg-dry	10	8/2/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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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: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-35-01 (0-5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:40:00 AM

Lab ID: 17070839-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/2/2017
Calcium	130000	570		mg/Kg-dry	100	8/4/2017
Chromium	6.7	0.95		mg/Kg-dry	10	8/2/2017
Cobalt	4.5	0.95		mg/Kg-dry	10	8/2/2017
Copper	12	2.4		mg/Kg-dry	10	8/2/2017
Iron	13000	29		mg/Kg-dry	10	8/2/2017
Lead	7.7	0.48		mg/Kg-dry	10	8/2/2017
Magnesium	73000	29		mg/Kg-dry	10	8/2/2017
Manganese	420	0.95		mg/Kg-dry	10	8/2/2017
Nickel	11	0.95		mg/Kg-dry	10	8/2/2017
Potassium	660	29		mg/Kg-dry	10	8/2/2017
Selenium	ND	0.95		mg/Kg-dry	10	8/2/2017
Silver	ND	0.95		mg/Kg-dry	10	8/2/2017
Sodium	250	57		mg/Kg-dry	10	8/2/2017
Thallium	ND	0.95		mg/Kg-dry	10	8/2/2017
Vanadium	12	0.95		mg/Kg-dry	10	8/2/2017
Zinc	31	4.8		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	0.0066	0.0040		mg/L	2	8/1/2017
Barium	0.057	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	0.0086	0.0040		mg/L	2	8/1/2017
Cobalt	ND	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	9.7	0.10		mg/L	2	8/1/2017
Lead	0.0048	0.0020		mg/L	2	8/1/2017
Manganese	0.066	0.0040		mg/L	2	8/1/2017
Nickel	0.0098	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	0.036	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	0.52	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

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

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R - RPD outside accepted recovery limits

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: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-35-01 (0-5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:40:00 AM

Lab ID: 17070839-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 7/31/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	ND	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	ND	0.25		mg/L	5	8/2/2017
Lead	0.0076	0.0050		mg/L	5	8/2/2017
Manganese	0.95	0.010		mg/L	5	8/2/2017
Nickel	0.012	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.13	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/2/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A		Prep Date: 7/31/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A		Prep Date: 7/28/2017		Analyst: LB	
Mercury	ND	0.018		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C		Prep Date: 7/31/2017		Analyst: RW	
pH	8.89			pH Units	1	7/31/2017
Percent Moisture	D2974		Prep Date: 7/28/2017		Analyst: KKA	
Percent Moisture	8.3	0.2	*	wt%	1	7/29/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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S - Spike Recovery outside accepted recovery limits

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-35-01 (5-9')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:43:00 AM

Lab ID: 17070839-007A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 7/28/2017	Analyst: ERP
Acetone	ND	0.057		mg/Kg-dry	1	8/3/2017
Benzene	ND	0.0038		mg/Kg-dry	1	8/3/2017
Bromodichloromethane	ND	0.0038		mg/Kg-dry	1	8/3/2017
Bromoform	ND	0.0038		mg/Kg-dry	1	8/3/2017
Bromomethane	ND	0.0076		mg/Kg-dry	1	8/3/2017
2-Butanone	ND	0.057		mg/Kg-dry	1	8/3/2017
Carbon disulfide	ND	0.038		mg/Kg-dry	1	8/3/2017
Carbon tetrachloride	ND	0.0038		mg/Kg-dry	1	8/3/2017
Chlorobenzene	ND	0.0038		mg/Kg-dry	1	8/3/2017
Chloroethane	ND	0.0076		mg/Kg-dry	1	8/3/2017
Chloroform	ND	0.0038		mg/Kg-dry	1	8/3/2017
Chloromethane	ND	0.0076		mg/Kg-dry	1	8/3/2017
Dibromochloromethane	ND	0.0038		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethane	ND	0.0038		mg/Kg-dry	1	8/3/2017
1,2-Dichloroethane	ND	0.0038		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethene	ND	0.0038		mg/Kg-dry	1	8/3/2017
cis-1,2-Dichloroethene	ND	0.0038		mg/Kg-dry	1	8/3/2017
trans-1,2-Dichloroethene	ND	0.0038		mg/Kg-dry	1	8/3/2017
1,2-Dichloropropane	ND	0.0038		mg/Kg-dry	1	8/3/2017
cis-1,3-Dichloropropene	ND	0.0015		mg/Kg-dry	1	8/3/2017
trans-1,3-Dichloropropene	ND	0.0015		mg/Kg-dry	1	8/3/2017
Ethylbenzene	ND	0.0038		mg/Kg-dry	1	8/3/2017
2-Hexanone	ND	0.015		mg/Kg-dry	1	8/3/2017
4-Methyl-2-pentanone	ND	0.015		mg/Kg-dry	1	8/3/2017
Methylene chloride	ND	0.0076		mg/Kg-dry	1	8/3/2017
Methyl tert-butyl ether	ND	0.0038		mg/Kg-dry	1	8/3/2017
Styrene	ND	0.0038		mg/Kg-dry	1	8/3/2017
1,1,2,2-Tetrachloroethane	ND	0.0038		mg/Kg-dry	1	8/3/2017
Tetrachloroethene	ND	0.0038		mg/Kg-dry	1	8/3/2017
Toluene	ND	0.0038		mg/Kg-dry	1	8/3/2017
1,1,1-Trichloroethane	ND	0.0038		mg/Kg-dry	1	8/3/2017
1,1,2-Trichloroethane	ND	0.0038		mg/Kg-dry	1	8/3/2017
Trichloroethene	ND	0.0038		mg/Kg-dry	1	8/3/2017
Vinyl chloride	ND	0.0038		mg/Kg-dry	1	8/3/2017
Xylenes, Total	ND	0.011		mg/Kg-dry	1	8/3/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-35-01 (5-9')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:43:00 AM

Lab ID: 17070839-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 7/31/2017		Analyst: DM

Acenaphthene	ND	0.036		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.036		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.36		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.36		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	0.90		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	0.90		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.036		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	0.90		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/1/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-35-01 (5-9')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:43:00 AM

Lab ID: 17070839-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 7/31/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.036		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.036		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.036		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.036		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.073		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.036		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.036		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.73		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/1/2017 Analyst: JG

Aluminum	2600	20		mg/Kg-dry	10	8/2/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/2/2017
Arsenic	6.7	0.99		mg/Kg-dry	10	8/2/2017
Barium	12	0.99		mg/Kg-dry	10	8/2/2017
Beryllium	ND	0.49		mg/Kg-dry	10	8/2/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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Report Date: August 07, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-35-01 (5-9')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:43:00 AM

Lab ID: 17070839-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/2/2017
Calcium	150000	590		mg/Kg-dry	100	8/4/2017
Chromium	6.4	0.99		mg/Kg-dry	10	8/2/2017
Cobalt	3.4	0.99		mg/Kg-dry	10	8/2/2017
Copper	7.3	2.5		mg/Kg-dry	10	8/2/2017
Iron	11000	30		mg/Kg-dry	10	8/2/2017
Lead	5.3	0.49		mg/Kg-dry	10	8/2/2017
Magnesium	76000	30		mg/Kg-dry	10	8/2/2017
Manganese	270	0.99		mg/Kg-dry	10	8/2/2017
Nickel	7.3	0.99		mg/Kg-dry	10	8/2/2017
Potassium	580	30		mg/Kg-dry	10	8/2/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/2/2017
Silver	ND	0.99		mg/Kg-dry	10	8/2/2017
Sodium	220	59		mg/Kg-dry	10	8/2/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/2/2017
Vanadium	11	0.99		mg/Kg-dry	10	8/2/2017
Zinc	21	4.9		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/1/2017
Barium	0.032	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	0.0047	0.0040		mg/L	2	8/1/2017
Cobalt	ND	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	3.2	0.10		mg/L	2	8/1/2017
Lead	ND	0.0020		mg/L	2	8/1/2017
Manganese	0.019	0.0040		mg/L	2	8/1/2017
Nickel	ND	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	ND	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	0.46	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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STAT Analysis Corporation

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

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-35-01 (5-9')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:43:00 AM

Lab ID: 17070839-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 7/31/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	ND	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	ND	0.25		mg/L	5	8/2/2017
Lead	0.014	0.0050		mg/L	5	8/2/2017
Manganese	1.3	0.010		mg/L	5	8/2/2017
Nickel	0.021	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.13	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/2/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A					Prep Date: 7/31/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A					Prep Date: 7/28/2017 Analyst: LB
Mercury	ND	0.016		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C					Prep Date: 7/31/2017 Analyst: RW
pH	8.59			pH Units	1	7/31/2017
Percent Moisture	D2974					Prep Date: 7/28/2017 Analyst: KKA
Percent Moisture	8.5	0.2	*	wt%	1	7/29/2017

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-35-02 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:37:00 AM

Lab ID: 17070839-008A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 7/28/2017	Analyst: ERP
Acetone	ND	0.061		mg/Kg-dry	1	8/3/2017
Benzene	ND	0.0041		mg/Kg-dry	1	8/3/2017
Bromodichloromethane	ND	0.0041		mg/Kg-dry	1	8/3/2017
Bromoform	ND	0.0041		mg/Kg-dry	1	8/3/2017
Bromomethane	ND	0.0082		mg/Kg-dry	1	8/3/2017
2-Butanone	ND	0.061		mg/Kg-dry	1	8/3/2017
Carbon disulfide	ND	0.041		mg/Kg-dry	1	8/3/2017
Carbon tetrachloride	ND	0.0041		mg/Kg-dry	1	8/3/2017
Chlorobenzene	ND	0.0041		mg/Kg-dry	1	8/3/2017
Chloroethane	ND	0.0082		mg/Kg-dry	1	8/3/2017
Chloroform	ND	0.0041		mg/Kg-dry	1	8/3/2017
Chloromethane	ND	0.0082		mg/Kg-dry	1	8/3/2017
Dibromochloromethane	ND	0.0041		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/3/2017
1,2-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/3/2017
cis-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/3/2017
trans-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/3/2017
1,2-Dichloropropane	ND	0.0041		mg/Kg-dry	1	8/3/2017
cis-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/3/2017
trans-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/3/2017
Ethylbenzene	ND	0.0041		mg/Kg-dry	1	8/3/2017
2-Hexanone	ND	0.016		mg/Kg-dry	1	8/3/2017
4-Methyl-2-pentanone	ND	0.016		mg/Kg-dry	1	8/3/2017
Methylene chloride	ND	0.0082		mg/Kg-dry	1	8/3/2017
Methyl tert-butyl ether	ND	0.0041		mg/Kg-dry	1	8/3/2017
Styrene	ND	0.0041		mg/Kg-dry	1	8/3/2017
1,1,2,2-Tetrachloroethane	ND	0.0041		mg/Kg-dry	1	8/3/2017
Tetrachloroethene	ND	0.0041		mg/Kg-dry	1	8/3/2017
Toluene	ND	0.0041		mg/Kg-dry	1	8/3/2017
1,1,1-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/3/2017
1,1,2-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/3/2017
Trichloroethene	ND	0.0041		mg/Kg-dry	1	8/3/2017
Vinyl chloride	ND	0.0041		mg/Kg-dry	1	8/3/2017
Xylenes, Total	ND	0.012		mg/Kg-dry	1	8/3/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-35-02 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:37:00 AM

Lab ID: 17070839-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 7/31/2017		Analyst: ERP
Acenaphthene	ND	0.035		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.035		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.36		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.035		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.035		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.35		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.035		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.035		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.035		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.035		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	0.89		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	0.89		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.35		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.035		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.035		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.35		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	0.89		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.035		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.035		mg/Kg-dry	1	8/1/2017

Qualifiers:

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-35-02 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:37:00 AM

Lab ID: 17070839-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 7/31/2017	Analyst: ERP
Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.035		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.035		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.035		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.035		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.35		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.035		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.035		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.072		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.035		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.035		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.72		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/1/2017	Analyst: JG
Aluminum	4500	20		mg/Kg-dry	10	8/2/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/2/2017
Arsenic	5.3	0.98		mg/Kg-dry	10	8/2/2017
Barium	22	0.98		mg/Kg-dry	10	8/2/2017
Beryllium	ND	0.49		mg/Kg-dry	10	8/2/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-35-02 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:37:00 AM

Lab ID: 17070839-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/2/2017
Calcium	110000	59		mg/Kg-dry	10	8/2/2017
Chromium	7.6	0.98		mg/Kg-dry	10	8/2/2017
Cobalt	6.5	0.98		mg/Kg-dry	10	8/2/2017
Copper	9.2	2.5		mg/Kg-dry	10	8/2/2017
Iron	16000	29		mg/Kg-dry	10	8/2/2017
Lead	6.0	0.49		mg/Kg-dry	10	8/2/2017
Magnesium	58000	29		mg/Kg-dry	10	8/2/2017
Manganese	400	0.98		mg/Kg-dry	10	8/2/2017
Nickel	11	0.98		mg/Kg-dry	10	8/2/2017
Potassium	810	29		mg/Kg-dry	10	8/2/2017
Selenium	ND	0.98		mg/Kg-dry	10	8/2/2017
Silver	ND	0.98		mg/Kg-dry	10	8/2/2017
Sodium	640	59		mg/Kg-dry	10	8/2/2017
Thallium	ND	0.98		mg/Kg-dry	10	8/2/2017
Vanadium	17	0.98		mg/Kg-dry	10	8/2/2017
Zinc	36	4.9		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/1/2017
Barium	ND	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	ND	0.0040		mg/L	2	8/1/2017
Cobalt	ND	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	2.9	0.10		mg/L	2	8/1/2017
Lead	ND	0.0020		mg/L	2	8/1/2017
Manganese	0.026	0.0040		mg/L	2	8/1/2017
Nickel	ND	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	ND	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	0.47	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

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RL - Reporting / Quantitation Limit for the analysis

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-35-02 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:37:00 AM

Lab ID: 17070839-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)				Prep Date: 7/31/2017	Analyst: JG
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	ND	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	ND	0.25		mg/L	5	8/2/2017
Lead	0.0083	0.0050		mg/L	5	8/2/2017
Manganese	1.3	0.010		mg/L	5	8/2/2017
Nickel	0.017	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.12	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A				Prep Date: 8/2/2017	Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A				Prep Date: 7/31/2017	Analyst: LB
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A				Prep Date: 7/28/2017	Analyst: LB
Mercury	ND	0.020		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C				Prep Date: 7/31/2017	Analyst: RW
pH	9.31			pH Units	1	7/31/2017
Percent Moisture	D2974				Prep Date: 7/28/2017	Analyst: KKA
Percent Moisture	7.7	0.2	*	wt%	1	7/29/2017

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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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-01 (0-5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:22:00 AM

Lab ID: 17070839-009A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 7/28/2017	Analyst: JNM
Acetone	ND	0.055		mg/Kg-dry	1	8/4/2017
Benzene	ND	0.0037		mg/Kg-dry	1	8/4/2017
Bromodichloromethane	ND	0.0037		mg/Kg-dry	1	8/4/2017
Bromoform	ND	0.0037		mg/Kg-dry	1	8/4/2017
Bromomethane	ND	0.0074		mg/Kg-dry	1	8/4/2017
2-Butanone	ND	0.055		mg/Kg-dry	1	8/4/2017
Carbon disulfide	ND	0.037		mg/Kg-dry	1	8/4/2017
Carbon tetrachloride	ND	0.0037		mg/Kg-dry	1	8/4/2017
Chlorobenzene	ND	0.0037		mg/Kg-dry	1	8/4/2017
Chloroethane	ND	0.0074		mg/Kg-dry	1	8/4/2017
Chloroform	ND	0.0037		mg/Kg-dry	1	8/4/2017
Chloromethane	ND	0.0074		mg/Kg-dry	1	8/4/2017
Dibromochloromethane	ND	0.0037		mg/Kg-dry	1	8/4/2017
1,1-Dichloroethane	ND	0.0037		mg/Kg-dry	1	8/4/2017
1,2-Dichloroethane	ND	0.0037		mg/Kg-dry	1	8/4/2017
1,1-Dichloroethene	ND	0.0037		mg/Kg-dry	1	8/4/2017
cis-1,2-Dichloroethene	ND	0.0037		mg/Kg-dry	1	8/4/2017
trans-1,2-Dichloroethene	ND	0.0037		mg/Kg-dry	1	8/4/2017
1,2-Dichloropropane	ND	0.0037		mg/Kg-dry	1	8/4/2017
cis-1,3-Dichloropropene	ND	0.0015		mg/Kg-dry	1	8/4/2017
trans-1,3-Dichloropropene	ND	0.0015		mg/Kg-dry	1	8/4/2017
Ethylbenzene	ND	0.0037		mg/Kg-dry	1	8/4/2017
2-Hexanone	ND	0.015		mg/Kg-dry	1	8/4/2017
4-Methyl-2-pentanone	ND	0.015		mg/Kg-dry	1	8/4/2017
Methylene chloride	ND	0.0074		mg/Kg-dry	1	8/4/2017
Methyl tert-butyl ether	ND	0.0037		mg/Kg-dry	1	8/4/2017
Styrene	ND	0.0037		mg/Kg-dry	1	8/4/2017
1,1,2,2-Tetrachloroethane	ND	0.0037		mg/Kg-dry	1	8/4/2017
Tetrachloroethene	ND	0.0037		mg/Kg-dry	1	8/4/2017
Toluene	ND	0.0037		mg/Kg-dry	1	8/4/2017
1,1,1-Trichloroethane	ND	0.0037		mg/Kg-dry	1	8/4/2017
1,1,2-Trichloroethane	ND	0.0037		mg/Kg-dry	1	8/4/2017
Trichloroethene	ND	0.0037		mg/Kg-dry	1	8/4/2017
Vinyl chloride	ND	0.0037		mg/Kg-dry	1	8/4/2017
Xylenes, Total	ND	0.011		mg/Kg-dry	1	8/4/2017

Qualifiers:

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HT - Sample received past holding time

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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: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-01 (0-5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:22:00 AM

Lab ID: 17070839-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 7/31/2017		Analyst: ERP
Acenaphthene	ND	0.035		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.035		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.36		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.035		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.035		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.35		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.035		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.035		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.035		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.035		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	0.89		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	0.89		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.35		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.035		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.035		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.35		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	0.89		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.035		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.035		mg/Kg-dry	1	8/1/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-01 (0-5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:22:00 AM

Lab ID: 17070839-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 7/31/2017	Analyst: ERP
Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.035		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.035		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.035		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.035		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.35		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.035		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.035		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.072		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.035		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.035		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.72		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/1/2017	Analyst: JG
Aluminum	3500	19		mg/Kg-dry	10	8/2/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/2/2017
Arsenic	6.1	0.93		mg/Kg-dry	10	8/2/2017
Barium	15	0.93		mg/Kg-dry	10	8/2/2017
Beryllium	ND	0.46		mg/Kg-dry	10	8/2/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-01 (0-5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:22:00 AM

Lab ID: 17070839-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.46		mg/Kg-dry	10	8/2/2017
Calcium	130000	560		mg/Kg-dry	100	8/4/2017
Chromium	6.2	0.93		mg/Kg-dry	10	8/2/2017
Cobalt	4.5	0.93		mg/Kg-dry	10	8/2/2017
Copper	11	2.3		mg/Kg-dry	10	8/2/2017
Iron	13000	28		mg/Kg-dry	10	8/2/2017
Lead	6.9	0.46		mg/Kg-dry	10	8/2/2017
Magnesium	68000	28		mg/Kg-dry	10	8/2/2017
Manganese	380	0.93		mg/Kg-dry	10	8/2/2017
Nickel	10	0.93		mg/Kg-dry	10	8/2/2017
Potassium	700	28		mg/Kg-dry	10	8/2/2017
Selenium	ND	0.93		mg/Kg-dry	10	8/2/2017
Silver	ND	0.93		mg/Kg-dry	10	8/2/2017
Sodium	340	56		mg/Kg-dry	10	8/2/2017
Thallium	ND	0.93		mg/Kg-dry	10	8/2/2017
Vanadium	12	0.93		mg/Kg-dry	10	8/2/2017
Zinc	36	4.6		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/1/2017
Barium	0.020	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	ND	0.0040		mg/L	2	8/1/2017
Cobalt	ND	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	1.9	0.10		mg/L	2	8/1/2017
Lead	ND	0.0020		mg/L	2	8/1/2017
Manganese	0.013	0.0040		mg/L	2	8/1/2017
Nickel	ND	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	ND	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	0.44	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 07, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-01 (0-5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:22:00 AM

Lab ID: 17070839-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 7/31/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	ND	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	ND	0.25		mg/L	5	8/2/2017
Lead	ND	0.0050		mg/L	5	8/2/2017
Manganese	1.3	0.010		mg/L	5	8/2/2017
Nickel	0.018	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.12	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/2/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A		Prep Date: 7/31/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A		Prep Date: 7/28/2017		Analyst: LB	
Mercury	ND	0.022		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C		Prep Date: 7/31/2017		Analyst: RW	
pH	9.13			pH Units	1	7/31/2017
Percent Moisture	D2974		Prep Date: 7/28/2017		Analyst: KKA	
Percent Moisture	7.0	0.2	*	wt%	1	7/29/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-01 (5-9')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:30:00 AM

Lab ID: 17070839-010A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 7/28/2017	Analyst: JNM
Acetone	ND	0.069		mg/Kg-dry	1	8/4/2017
Benzene	ND	0.0046		mg/Kg-dry	1	8/4/2017
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	8/4/2017
Bromoform	ND	0.0046		mg/Kg-dry	1	8/4/2017
Bromomethane	ND	0.0093		mg/Kg-dry	1	8/4/2017
2-Butanone	ND	0.069		mg/Kg-dry	1	8/4/2017
Carbon disulfide	ND	0.046		mg/Kg-dry	1	8/4/2017
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	8/4/2017
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	8/4/2017
Chloroethane	ND	0.0093		mg/Kg-dry	1	8/4/2017
Chloroform	ND	0.0046		mg/Kg-dry	1	8/4/2017
Chloromethane	ND	0.0093		mg/Kg-dry	1	8/4/2017
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	8/4/2017
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/4/2017
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/4/2017
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/4/2017
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/4/2017
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/4/2017
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	8/4/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/4/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/4/2017
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	8/4/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/4/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/4/2017
Methylene chloride	ND	0.0093		mg/Kg-dry	1	8/4/2017
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	8/4/2017
Styrene	ND	0.0046		mg/Kg-dry	1	8/4/2017
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	8/4/2017
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	8/4/2017
Toluene	ND	0.0046		mg/Kg-dry	1	8/4/2017
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/4/2017
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/4/2017
Trichloroethene	ND	0.0046		mg/Kg-dry	1	8/4/2017
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	8/4/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/4/2017

Qualifiers:

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-01 (5-9')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:30:00 AM

Lab ID: 17070839-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 7/31/2017		Analyst: DM

Acenaphthene	ND	0.036		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.036		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.36		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.36		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	0.90		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	0.90		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.036		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	0.90		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/1/2017

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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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

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

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

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-01 (5-9')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:30:00 AM

Lab ID: 17070839-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 7/31/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.036		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.036		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.036		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.036		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.073		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.036		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.036		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.73		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/1/2017 Analyst: JG

Aluminum	4000	20		mg/Kg-dry	10	8/2/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/2/2017
Arsenic	4.5	0.99		mg/Kg-dry	10	8/2/2017
Barium	18	0.99		mg/Kg-dry	10	8/2/2017
Beryllium	ND	0.49		mg/Kg-dry	10	8/2/2017

Qualifiers:

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R - RPD outside accepted recovery limits

E - Value above quantitation range

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-01 (5-9')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:30:00 AM

Lab ID: 17070839-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/2/2017
Calcium	120000	59		mg/Kg-dry	10	8/2/2017
Chromium	7.2	0.99		mg/Kg-dry	10	8/2/2017
Cobalt	5.4	0.99		mg/Kg-dry	10	8/2/2017
Copper	9.1	2.5		mg/Kg-dry	10	8/2/2017
Iron	13000	30		mg/Kg-dry	10	8/2/2017
Lead	5.5	0.49		mg/Kg-dry	10	8/2/2017
Magnesium	61000	30		mg/Kg-dry	10	8/2/2017
Manganese	380	0.99		mg/Kg-dry	10	8/2/2017
Nickel	9.4	0.99		mg/Kg-dry	10	8/2/2017
Potassium	740	30		mg/Kg-dry	10	8/2/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/2/2017
Silver	ND	0.99		mg/Kg-dry	10	8/2/2017
Sodium	540	59		mg/Kg-dry	10	8/2/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/2/2017
Vanadium	16	0.99		mg/Kg-dry	10	8/2/2017
Zinc	31	4.9		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/1/2017
Barium	0.022	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	ND	0.0040		mg/L	2	8/1/2017
Cobalt	ND	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	2.3	0.10		mg/L	2	8/1/2017
Lead	ND	0.0020		mg/L	2	8/1/2017
Manganese	0.018	0.0040		mg/L	2	8/1/2017
Nickel	ND	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	ND	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/2/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	0.39	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-01 (5-9')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:30:00 AM

Lab ID: 17070839-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/2/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	0.065	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	0.31	0.25		mg/L	5	8/2/2017
Lead	ND	0.0050		mg/L	5	8/2/2017
Manganese	5.2	0.010		mg/L	5	8/2/2017
Nickel	0.085	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.17	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/2/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A		Prep Date: 7/31/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A		Prep Date: 7/28/2017		Analyst: LB	
Mercury	ND	0.021		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C		Prep Date: 7/31/2017		Analyst: RW	
pH	8.99			pH Units	1	7/31/2017
Percent Moisture	D2974		Prep Date: 7/28/2017		Analyst: KKA	
Percent Moisture	9.0	0.2	*	wt%	1	7/29/2017

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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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-02 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:20:00 AM

Lab ID: 17070839-011A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 7/28/2017	Analyst: JNM
Acetone	ND	0.061		mg/Kg-dry	1	8/4/2017
Benzene	ND	0.0041		mg/Kg-dry	1	8/4/2017
Bromodichloromethane	ND	0.0041		mg/Kg-dry	1	8/4/2017
Bromoform	ND	0.0041		mg/Kg-dry	1	8/4/2017
Bromomethane	ND	0.0082		mg/Kg-dry	1	8/4/2017
2-Butanone	ND	0.061		mg/Kg-dry	1	8/4/2017
Carbon disulfide	ND	0.041		mg/Kg-dry	1	8/4/2017
Carbon tetrachloride	ND	0.0041		mg/Kg-dry	1	8/4/2017
Chlorobenzene	ND	0.0041		mg/Kg-dry	1	8/4/2017
Chloroethane	ND	0.0082		mg/Kg-dry	1	8/4/2017
Chloroform	ND	0.0041		mg/Kg-dry	1	8/4/2017
Chloromethane	ND	0.0082		mg/Kg-dry	1	8/4/2017
Dibromochloromethane	ND	0.0041		mg/Kg-dry	1	8/4/2017
1,1-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/4/2017
1,2-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/4/2017
1,1-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/4/2017
cis-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/4/2017
trans-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/4/2017
1,2-Dichloropropane	ND	0.0041		mg/Kg-dry	1	8/4/2017
cis-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/4/2017
trans-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/4/2017
Ethylbenzene	ND	0.0041		mg/Kg-dry	1	8/4/2017
2-Hexanone	ND	0.016		mg/Kg-dry	1	8/4/2017
4-Methyl-2-pentanone	ND	0.016		mg/Kg-dry	1	8/4/2017
Methylene chloride	ND	0.0082		mg/Kg-dry	1	8/4/2017
Methyl tert-butyl ether	ND	0.0041		mg/Kg-dry	1	8/4/2017
Styrene	ND	0.0041		mg/Kg-dry	1	8/4/2017
1,1,2,2-Tetrachloroethane	ND	0.0041		mg/Kg-dry	1	8/4/2017
Tetrachloroethene	ND	0.0041		mg/Kg-dry	1	8/4/2017
Toluene	ND	0.0041		mg/Kg-dry	1	8/4/2017
1,1,1-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/4/2017
1,1,2-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/4/2017
Trichloroethene	ND	0.0041		mg/Kg-dry	1	8/4/2017
Vinyl chloride	ND	0.0041		mg/Kg-dry	1	8/4/2017
Xylenes, Total	ND	0.012		mg/Kg-dry	1	8/4/2017

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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S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-02 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:20:00 AM

Lab ID: 17070839-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 7/31/2017	Analyst: DM	

Acenaphthene	ND	0.036		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.036		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.36		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.36		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	0.91		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	0.91		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.036		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	0.91		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/1/2017

Qualifiers:

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-02 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:20:00 AM

Lab ID: 17070839-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 7/31/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.036		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.036		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.036		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.036		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.073		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.036		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.036		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.73		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/1/2017 Analyst: JG

Aluminum	3500	19		mg/Kg-dry	10	8/2/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/2/2017
Arsenic	13	0.96		mg/Kg-dry	10	8/2/2017
Barium	17	0.96		mg/Kg-dry	10	8/2/2017
Beryllium	ND	0.48		mg/Kg-dry	10	8/2/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-02 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:20:00 AM

Lab ID: 17070839-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/2/2017
Calcium	120000	58		mg/Kg-dry	10	8/2/2017
Chromium	7.7	0.96		mg/Kg-dry	10	8/2/2017
Cobalt	4.5	0.96		mg/Kg-dry	10	8/2/2017
Copper	12	2.4		mg/Kg-dry	10	8/2/2017
Iron	17000	29		mg/Kg-dry	10	8/2/2017
Lead	7.1	0.48		mg/Kg-dry	10	8/2/2017
Magnesium	59000	29		mg/Kg-dry	10	8/2/2017
Manganese	320	0.96		mg/Kg-dry	10	8/2/2017
Nickel	12	0.96		mg/Kg-dry	10	8/2/2017
Potassium	600	29		mg/Kg-dry	10	8/2/2017
Selenium	ND	0.96		mg/Kg-dry	10	8/2/2017
Silver	ND	0.96		mg/Kg-dry	10	8/2/2017
Sodium	390	58		mg/Kg-dry	10	8/2/2017
Thallium	ND	0.96		mg/Kg-dry	10	8/2/2017
Vanadium	15	0.96		mg/Kg-dry	10	8/2/2017
Zinc	39	4.8		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	0.0088	0.0040		mg/L	2	8/1/2017
Barium	0.073	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	0.011	0.0040		mg/L	2	8/1/2017
Cobalt	0.0042	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	14	0.10		mg/L	2	8/1/2017
Lead	0.0056	0.0020		mg/L	2	8/1/2017
Manganese	0.10	0.0040		mg/L	2	8/1/2017
Nickel	0.013	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	0.059	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	0.44	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-02 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:20:00 AM

Lab ID: 17070839-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 7/31/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	ND	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	ND	0.25		mg/L	5	8/2/2017
Lead	ND	0.0050		mg/L	5	8/2/2017
Manganese	1.2	0.010		mg/L	5	8/2/2017
Nickel	0.017	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.10	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/2/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A		Prep Date: 7/31/2017		Analyst: LB	
Mercury	ND	0.00038		mg/L	1	7/31/2017
Mercury	SW7471A		Prep Date: 7/28/2017		Analyst: LB	
Mercury	ND	0.017		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C		Prep Date: 7/31/2017		Analyst: RW	
pH	9.00			pH Units	1	7/31/2017
Percent Moisture	D2974		Prep Date: 7/28/2017		Analyst: KKA	
Percent Moisture	8.6	0.2	*	wt%	1	7/29/2017

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-03 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:18:00 AM

Lab ID: 17070839-012A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 7/28/2017		Analyst: JNM
Acetone	ND	0.082		mg/Kg-dry	1	8/4/2017
Benzene	ND	0.0055		mg/Kg-dry	1	8/4/2017
Bromodichloromethane	ND	0.0055		mg/Kg-dry	1	8/4/2017
Bromoform	ND	0.0055		mg/Kg-dry	1	8/4/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/4/2017
2-Butanone	ND	0.082		mg/Kg-dry	1	8/4/2017
Carbon disulfide	ND	0.055		mg/Kg-dry	1	8/4/2017
Carbon tetrachloride	ND	0.0055		mg/Kg-dry	1	8/4/2017
Chlorobenzene	ND	0.0055		mg/Kg-dry	1	8/4/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/4/2017
Chloroform	ND	0.0055		mg/Kg-dry	1	8/4/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/4/2017
Dibromochloromethane	ND	0.0055		mg/Kg-dry	1	8/4/2017
1,1-Dichloroethane	ND	0.0055		mg/Kg-dry	1	8/4/2017
1,2-Dichloroethane	ND	0.0055		mg/Kg-dry	1	8/4/2017
1,1-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/4/2017
cis-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/4/2017
trans-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/4/2017
1,2-Dichloropropane	ND	0.0055		mg/Kg-dry	1	8/4/2017
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/4/2017
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/4/2017
Ethylbenzene	ND	0.0055		mg/Kg-dry	1	8/4/2017
2-Hexanone	ND	0.022		mg/Kg-dry	1	8/4/2017
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	8/4/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/4/2017
Methyl tert-butyl ether	ND	0.0055		mg/Kg-dry	1	8/4/2017
Styrene	ND	0.0055		mg/Kg-dry	1	8/4/2017
1,1,2,2-Tetrachloroethane	ND	0.0055		mg/Kg-dry	1	8/4/2017
Tetrachloroethene	ND	0.0055		mg/Kg-dry	1	8/4/2017
Toluene	ND	0.0055		mg/Kg-dry	1	8/4/2017
1,1,1-Trichloroethane	ND	0.0055		mg/Kg-dry	1	8/4/2017
1,1,2-Trichloroethane	ND	0.0055		mg/Kg-dry	1	8/4/2017
Trichloroethene	ND	0.0055		mg/Kg-dry	1	8/4/2017
Vinyl chloride	ND	0.0055		mg/Kg-dry	1	8/4/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/4/2017

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-03 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:18:00 AM

Lab ID: 17070839-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 7/31/2017	Analyst: DM	

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	0.94		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/1/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

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Report Date: August 07, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-03 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:18:00 AM

Lab ID: 17070839-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 7/31/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.076		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.76		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/1/2017 Analyst: JG

Aluminum	13000	21		mg/Kg-dry	10	8/2/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/2/2017
Arsenic	8.7	1.0		mg/Kg-dry	10	8/2/2017
Barium	65	1.0		mg/Kg-dry	10	8/2/2017
Beryllium	0.79	0.52		mg/Kg-dry	10	8/2/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-03 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:18:00 AM

Lab ID: 17070839-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/2/2017
Calcium	120000	62		mg/Kg-dry	10	8/2/2017
Chromium	20	1.0		mg/Kg-dry	10	8/2/2017
Cobalt	10	1.0		mg/Kg-dry	10	8/2/2017
Copper	24	2.6		mg/Kg-dry	10	8/2/2017
Iron	24000	31		mg/Kg-dry	10	8/2/2017
Lead	15	0.52		mg/Kg-dry	10	8/2/2017
Magnesium	58000	31		mg/Kg-dry	10	8/2/2017
Manganese	560	1.0		mg/Kg-dry	10	8/2/2017
Nickel	30	1.0		mg/Kg-dry	10	8/2/2017
Potassium	2300	31		mg/Kg-dry	10	8/2/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/2/2017
Silver	ND	1.0		mg/Kg-dry	10	8/2/2017
Sodium	1400	62		mg/Kg-dry	10	8/2/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/2/2017
Vanadium	25	1.0		mg/Kg-dry	10	8/2/2017
Zinc	56	5.2		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	0.0053	0.0040		mg/L	2	8/1/2017
Barium	0.046	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	0.0075	0.0040		mg/L	2	8/1/2017
Cobalt	ND	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	5.2	0.10		mg/L	2	8/1/2017
Lead	0.0021	0.0020		mg/L	2	8/1/2017
Manganese	0.028	0.0040		mg/L	2	8/1/2017
Nickel	0.0056	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	0.022	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/2/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	0.56	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

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

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-36-03 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:18:00 AM

Lab ID: 17070839-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)				Prep Date: 8/2/2017	Analyst: JG
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	0.026	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	ND	0.25		mg/L	5	8/2/2017
Lead	ND	0.0050		mg/L	5	8/2/2017
Manganese	4.9	0.010		mg/L	5	8/2/2017
Nickel	0.055	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.16	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A				Prep Date: 8/2/2017	Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A				Prep Date: 7/31/2017	Analyst: LB
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A				Prep Date: 7/28/2017	Analyst: LB
Mercury	ND	0.020		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C				Prep Date: 7/31/2017	Analyst: RW
pH	9.16			pH Units	1	7/31/2017
Percent Moisture	D2974				Prep Date: 7/28/2017	Analyst: KKA
Percent Moisture	12.1	0.2	*	wt%	1	7/29/2017

Qualifiers:

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J - Analyte detected below quantitation limits

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S - Spike Recovery outside accepted recovery limits

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-01 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:15:00 AM

Lab ID: 17070839-013A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 7/28/2017	Analyst: JNM
Acetone	ND	0.064		mg/Kg-dry	1	8/4/2017
Benzene	ND	0.0043		mg/Kg-dry	1	8/4/2017
Bromodichloromethane	ND	0.0043		mg/Kg-dry	1	8/4/2017
Bromoform	ND	0.0043		mg/Kg-dry	1	8/4/2017
Bromomethane	ND	0.0085		mg/Kg-dry	1	8/4/2017
2-Butanone	ND	0.064		mg/Kg-dry	1	8/4/2017
Carbon disulfide	ND	0.043		mg/Kg-dry	1	8/4/2017
Carbon tetrachloride	ND	0.0043		mg/Kg-dry	1	8/4/2017
Chlorobenzene	ND	0.0043		mg/Kg-dry	1	8/4/2017
Chloroethane	ND	0.0085		mg/Kg-dry	1	8/4/2017
Chloroform	ND	0.0043		mg/Kg-dry	1	8/4/2017
Chloromethane	ND	0.0085		mg/Kg-dry	1	8/4/2017
Dibromochloromethane	ND	0.0043		mg/Kg-dry	1	8/4/2017
1,1-Dichloroethane	ND	0.0043		mg/Kg-dry	1	8/4/2017
1,2-Dichloroethane	ND	0.0043		mg/Kg-dry	1	8/4/2017
1,1-Dichloroethene	ND	0.0043		mg/Kg-dry	1	8/4/2017
cis-1,2-Dichloroethene	ND	0.0043		mg/Kg-dry	1	8/4/2017
trans-1,2-Dichloroethene	ND	0.0043		mg/Kg-dry	1	8/4/2017
1,2-Dichloropropane	ND	0.0043		mg/Kg-dry	1	8/4/2017
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/4/2017
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/4/2017
Ethylbenzene	ND	0.0043		mg/Kg-dry	1	8/4/2017
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/4/2017
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/4/2017
Methylene chloride	ND	0.0085		mg/Kg-dry	1	8/4/2017
Methyl tert-butyl ether	ND	0.0043		mg/Kg-dry	1	8/4/2017
Styrene	ND	0.0043		mg/Kg-dry	1	8/4/2017
1,1,2,2-Tetrachloroethane	ND	0.0043		mg/Kg-dry	1	8/4/2017
Tetrachloroethene	ND	0.0043		mg/Kg-dry	1	8/4/2017
Toluene	ND	0.0043		mg/Kg-dry	1	8/4/2017
1,1,1-Trichloroethane	ND	0.0043		mg/Kg-dry	1	8/4/2017
1,1,2-Trichloroethane	ND	0.0043		mg/Kg-dry	1	8/4/2017
Trichloroethene	ND	0.0043		mg/Kg-dry	1	8/4/2017
Vinyl chloride	ND	0.0043		mg/Kg-dry	1	8/4/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/4/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-01 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:15:00 AM

Lab ID: 17070839-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 7/31/2017	Analyst: DM	

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	0.92		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	0.92		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	0.92		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/1/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-01 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:15:00 AM

Lab ID: 17070839-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 7/31/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.075		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.75		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/1/2017 Analyst: JG

Aluminum	12000	20		mg/Kg-dry	10	8/2/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/2/2017
Arsenic	10	0.98		mg/Kg-dry	10	8/2/2017
Barium	52	0.98		mg/Kg-dry	10	8/2/2017
Beryllium	0.69	0.49		mg/Kg-dry	10	8/2/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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Report Date: August 07, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-01 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:15:00 AM

Lab ID: 17070839-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/2/2017
Calcium	100000	59		mg/Kg-dry	10	8/2/2017
Chromium	20	0.98		mg/Kg-dry	10	8/2/2017
Cobalt	10	0.98		mg/Kg-dry	10	8/2/2017
Copper	21	2.4		mg/Kg-dry	10	8/2/2017
Iron	24000	29		mg/Kg-dry	10	8/2/2017
Lead	14	0.49		mg/Kg-dry	10	8/2/2017
Magnesium	55000	29		mg/Kg-dry	10	8/2/2017
Manganese	480	0.98		mg/Kg-dry	10	8/2/2017
Nickel	28	0.98		mg/Kg-dry	10	8/2/2017
Potassium	1900	29		mg/Kg-dry	10	8/2/2017
Selenium	ND	0.98		mg/Kg-dry	10	8/2/2017
Silver	ND	0.98		mg/Kg-dry	10	8/2/2017
Sodium	930	59		mg/Kg-dry	10	8/2/2017
Thallium	ND	0.98		mg/Kg-dry	10	8/2/2017
Vanadium	24	0.98		mg/Kg-dry	10	8/2/2017
Zinc	56	4.9		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	0.0045	0.0040		mg/L	2	8/1/2017
Barium	0.047	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	0.0077	0.0040		mg/L	2	8/1/2017
Cobalt	ND	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	5.7	0.10		mg/L	2	8/1/2017
Lead	0.0023	0.0020		mg/L	2	8/1/2017
Manganese	0.037	0.0040		mg/L	2	8/1/2017
Nickel	0.0070	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	ND	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/2/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	0.50	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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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: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-01 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:15:00 AM

Lab ID: 17070839-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)				Prep Date: 8/2/2017	Analyst: JG
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	0.066	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	ND	0.25		mg/L	5	8/2/2017
Lead	ND	0.0050		mg/L	5	8/2/2017
Manganese	6.6	0.010		mg/L	5	8/2/2017
Nickel	0.11	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.19	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A				Prep Date: 8/2/2017	Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A				Prep Date: 7/31/2017	Analyst: LB
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A				Prep Date: 7/28/2017	Analyst: LB
Mercury	ND	0.020		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C				Prep Date: 7/31/2017	Analyst: RW
pH	8.64			pH Units	1	7/31/2017
Percent Moisture	D2974				Prep Date: 7/28/2017	Analyst: KKA
Percent Moisture	10.9	0.2	*	wt%	1	7/29/2017

Qualifiers:

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-02 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:12:00 AM

Lab ID: 17070839-014A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 7/28/2017		Analyst: JNM
Acetone	ND	0.084		mg/Kg-dry	1	8/4/2017
Benzene	ND	0.0056		mg/Kg-dry	1	8/4/2017
Bromodichloromethane	ND	0.0056		mg/Kg-dry	1	8/4/2017
Bromoform	ND	0.0056		mg/Kg-dry	1	8/4/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/4/2017
2-Butanone	ND	0.084		mg/Kg-dry	1	8/4/2017
Carbon disulfide	ND	0.056		mg/Kg-dry	1	8/4/2017
Carbon tetrachloride	ND	0.0056		mg/Kg-dry	1	8/4/2017
Chlorobenzene	ND	0.0056		mg/Kg-dry	1	8/4/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/4/2017
Chloroform	ND	0.0056		mg/Kg-dry	1	8/4/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/4/2017
Dibromochloromethane	ND	0.0056		mg/Kg-dry	1	8/4/2017
1,1-Dichloroethane	ND	0.0056		mg/Kg-dry	1	8/4/2017
1,2-Dichloroethane	ND	0.0056		mg/Kg-dry	1	8/4/2017
1,1-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/4/2017
cis-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/4/2017
trans-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/4/2017
1,2-Dichloropropane	ND	0.0056		mg/Kg-dry	1	8/4/2017
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/4/2017
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/4/2017
Ethylbenzene	ND	0.0056		mg/Kg-dry	1	8/4/2017
2-Hexanone	ND	0.022		mg/Kg-dry	1	8/4/2017
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	8/4/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/4/2017
Methyl tert-butyl ether	ND	0.0056		mg/Kg-dry	1	8/4/2017
Styrene	ND	0.0056		mg/Kg-dry	1	8/4/2017
1,1,2,2-Tetrachloroethane	ND	0.0056		mg/Kg-dry	1	8/4/2017
Tetrachloroethene	ND	0.0056		mg/Kg-dry	1	8/4/2017
Toluene	ND	0.0056		mg/Kg-dry	1	8/4/2017
1,1,1-Trichloroethane	ND	0.0056		mg/Kg-dry	1	8/4/2017
1,1,2-Trichloroethane	ND	0.0056		mg/Kg-dry	1	8/4/2017
Trichloroethene	ND	0.0056		mg/Kg-dry	1	8/4/2017
Vinyl chloride	ND	0.0056		mg/Kg-dry	1	8/4/2017
Xylenes, Total	ND	0.017		mg/Kg-dry	1	8/4/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-02 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:12:00 AM

Lab ID: 17070839-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 7/31/2017	Analyst: DM

Acenaphthene	ND	0.045		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.045		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.45		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.045		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.045		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.45		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.045		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.045		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.045		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.045		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	1.1		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.23		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.23		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.23		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.23		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.23		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.23		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.23		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.45		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.23		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.23		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.23		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.045		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.045		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.23		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.23		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.23		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.23		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.23		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.23		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.45		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.045		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.045		mg/Kg-dry	1	8/1/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-02 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:12:00 AM

Lab ID: 17070839-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 7/31/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.23		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.23		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.045		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.045		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.23		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.23		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.23		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.23		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.045		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.23		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.23		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.23		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.23		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.045		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.23		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.23		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.23		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.23		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.45		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.045		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.045		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.23		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.23		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.23		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.091		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.045		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.23		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.045		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.91		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.23		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.23		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.23		mg/Kg-dry	1	8/1/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/1/2017 Analyst: JG

Aluminum	19000	25		mg/Kg-dry	10	8/2/2017
Antimony	ND	2.5		mg/Kg-dry	10	8/2/2017
Arsenic	18	1.2		mg/Kg-dry	10	8/2/2017
Barium	79	1.2		mg/Kg-dry	10	8/2/2017
Beryllium	1.2	0.62		mg/Kg-dry	10	8/2/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-02 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:12:00 AM

Lab ID: 17070839-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.62		mg/Kg-dry	10	8/2/2017
Calcium	35000	74		mg/Kg-dry	10	8/2/2017
Chromium	29	1.2		mg/Kg-dry	10	8/2/2017
Cobalt	16	1.2		mg/Kg-dry	10	8/2/2017
Copper	37	3.1		mg/Kg-dry	10	8/2/2017
Iron	39000	37		mg/Kg-dry	10	8/2/2017
Lead	31	0.62		mg/Kg-dry	10	8/2/2017
Magnesium	23000	37		mg/Kg-dry	10	8/2/2017
Manganese	1100	1.2		mg/Kg-dry	10	8/2/2017
Nickel	47	1.2		mg/Kg-dry	10	8/2/2017
Potassium	2900	37		mg/Kg-dry	10	8/2/2017
Selenium	ND	1.2		mg/Kg-dry	10	8/2/2017
Silver	ND	1.2		mg/Kg-dry	10	8/2/2017
Sodium	1600	74		mg/Kg-dry	10	8/2/2017
Thallium	ND	1.2		mg/Kg-dry	10	8/2/2017
Vanadium	34	1.2		mg/Kg-dry	10	8/2/2017
Zinc	100	6.2		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	0.0049	0.0040		mg/L	2	8/1/2017
Barium	0.063	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	0.0085	0.0040		mg/L	2	8/1/2017
Cobalt	ND	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	7.2	0.10		mg/L	2	8/1/2017
Lead	0.0072	0.0020		mg/L	2	8/1/2017
Manganese	0.041	0.0040		mg/L	2	8/1/2017
Nickel	0.0077	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	0.030	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	0.73	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

Qualifiers:

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J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-02 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:12:00 AM

Lab ID: 17070839-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 7/31/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	ND	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	ND	0.25		mg/L	5	8/2/2017
Lead	ND	0.0050		mg/L	5	8/2/2017
Manganese	0.39	0.010		mg/L	5	8/2/2017
Nickel	ND	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.20	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/2/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A					Prep Date: 7/31/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A					Prep Date: 7/28/2017 Analyst: LB
Mercury	ND	0.027		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C					Prep Date: 7/31/2017 Analyst: RW
pH	8.72			pH Units	1	7/31/2017
Percent Moisture	D2974					Prep Date: 7/28/2017 Analyst: KKA
Percent Moisture	27.4	0.2	*	wt%	1	7/29/2017

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: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-03 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:10:00 AM

Lab ID: 17070839-015A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 7/28/2017		Analyst: JNM
Acetone	0.13	0.074		mg/Kg-dry	1	8/4/2017
Benzene	ND	0.0049		mg/Kg-dry	1	8/4/2017
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	8/4/2017
Bromoform	ND	0.0049		mg/Kg-dry	1	8/4/2017
Bromomethane	ND	0.0098		mg/Kg-dry	1	8/4/2017
2-Butanone	ND	0.074		mg/Kg-dry	1	8/4/2017
Carbon disulfide	ND	0.049		mg/Kg-dry	1	8/4/2017
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	8/4/2017
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	8/4/2017
Chloroethane	ND	0.0098		mg/Kg-dry	1	8/4/2017
Chloroform	ND	0.0049		mg/Kg-dry	1	8/4/2017
Chloromethane	ND	0.0098		mg/Kg-dry	1	8/4/2017
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	8/4/2017
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/4/2017
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/4/2017
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/4/2017
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/4/2017
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/4/2017
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	8/4/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/4/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/4/2017
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	8/4/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/4/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/4/2017
Methylene chloride	ND	0.0098		mg/Kg-dry	1	8/4/2017
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	8/4/2017
Styrene	ND	0.0049		mg/Kg-dry	1	8/4/2017
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	8/4/2017
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	8/4/2017
Toluene	ND	0.0049		mg/Kg-dry	1	8/4/2017
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/4/2017
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/4/2017
Trichloroethene	ND	0.0049		mg/Kg-dry	1	8/4/2017
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	8/4/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/4/2017

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-03 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:10:00 AM

Lab ID: 17070839-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 7/31/2017		Analyst: DM

Acenaphthene	ND	0.042		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.042		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.42		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.042		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.042		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.42		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.042		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.042		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.042		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.042		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	1.1		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.22		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.042		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.042		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.22		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.42		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	8/1/2017

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

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: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-03 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:10:00 AM

Lab ID: 17070839-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 7/31/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.042		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.042		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.22		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.042		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.22		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.22		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.22		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.042		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.42		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.042		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.042		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.085		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.042		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.22		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.042		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.85		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	8/1/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/1/2017 Analyst: JG

Aluminum	20000	21		mg/Kg-dry	10	8/2/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/2/2017
Arsenic	29	1.1		mg/Kg-dry	10	8/2/2017
Barium	130	1.1		mg/Kg-dry	10	8/2/2017
Beryllium	1.7	0.53		mg/Kg-dry	10	8/2/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-03 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:10:00 AM

Lab ID: 17070839-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	1.1	0.53		mg/Kg-dry	10	8/2/2017
Calcium	4400	64		mg/Kg-dry	10	8/2/2017
Chromium	31	1.1		mg/Kg-dry	10	8/2/2017
Cobalt	20	1.1		mg/Kg-dry	10	8/2/2017
Copper	71	2.7		mg/Kg-dry	10	8/2/2017
Iron	62000	32		mg/Kg-dry	10	8/2/2017
Lead	44	0.53		mg/Kg-dry	10	8/2/2017
Magnesium	5400	32		mg/Kg-dry	10	8/2/2017
Manganese	1600	1.1		mg/Kg-dry	10	8/2/2017
Nickel	79	1.1		mg/Kg-dry	10	8/2/2017
Potassium	1700	32		mg/Kg-dry	10	8/2/2017
Selenium	1.4	1.1		mg/Kg-dry	10	8/2/2017
Silver	ND	1.1		mg/Kg-dry	10	8/2/2017
Sodium	1300	64		mg/Kg-dry	10	8/2/2017
Thallium	1.3	1.1		mg/Kg-dry	10	8/2/2017
Vanadium	39	1.1		mg/Kg-dry	10	8/2/2017
Zinc	200	5.3		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	0.011	0.0040		mg/L	2	8/1/2017
Barium	0.083	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	0.014	0.0040		mg/L	2	8/1/2017
Cobalt	0.0043	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	19	0.10		mg/L	2	8/1/2017
Lead	0.0067	0.0020		mg/L	2	8/1/2017
Manganese	0.16	0.0040		mg/L	2	8/1/2017
Nickel	0.019	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	0.073	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	0.61	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

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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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-03 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:10:00 AM

Lab ID: 17070839-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 7/31/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	ND	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	0.72	0.25		mg/L	5	8/2/2017
Lead	ND	0.0050		mg/L	5	8/2/2017
Manganese	0.020	0.010		mg/L	5	8/2/2017
Nickel	ND	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.27	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/2/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A		Prep Date: 7/31/2017		Analyst: LB	
Mercury	ND	0.00038		mg/L	1	7/31/2017
Mercury	SW7471A		Prep Date: 7/28/2017		Analyst: LB	
Mercury	0.066	0.023		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C		Prep Date: 7/31/2017		Analyst: RW	
pH	8.05			pH Units	1	7/31/2017
Percent Moisture	D2974		Prep Date: 7/28/2017		Analyst: KKA	
Percent Moisture	21.4	0.2	*	wt%	1	7/29/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-04 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:05:00 AM

Lab ID: 17070839-016A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 7/28/2017		Analyst: ERP
Acetone	ND	0.072		mg/Kg-dry	1	8/3/2017
Benzene	ND	0.0048		mg/Kg-dry	1	8/3/2017
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
Bromoform	ND	0.0048		mg/Kg-dry	1	8/3/2017
Bromomethane	ND	0.0096		mg/Kg-dry	1	8/3/2017
2-Butanone	ND	0.072		mg/Kg-dry	1	8/3/2017
Carbon disulfide	ND	0.048		mg/Kg-dry	1	8/3/2017
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	8/3/2017
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	8/3/2017
Chloroethane	ND	0.0096		mg/Kg-dry	1	8/3/2017
Chloroform	ND	0.0048		mg/Kg-dry	1	8/3/2017
Chloromethane	ND	0.0096		mg/Kg-dry	1	8/3/2017
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/3/2017
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/3/2017
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	8/3/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/3/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/3/2017
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	8/3/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/3/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/3/2017
Methylene chloride	ND	0.0096		mg/Kg-dry	1	8/3/2017
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	8/3/2017
Styrene	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	8/3/2017
Toluene	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/3/2017
Trichloroethene	ND	0.0048		mg/Kg-dry	1	8/3/2017
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	8/3/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/3/2017

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-04 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:05:00 AM

Lab ID: 17070839-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 7/31/2017	Analyst: DM	

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/1/2017

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-04 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:05:00 AM

Lab ID: 17070839-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 7/31/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/1/2017 Analyst: JG

Aluminum	15000	19		mg/Kg-dry	10	8/2/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/2/2017
Arsenic	14	0.97		mg/Kg-dry	10	8/2/2017
Barium	82	0.97		mg/Kg-dry	10	8/2/2017
Beryllium	0.91	0.49		mg/Kg-dry	10	8/2/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-04 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:05:00 AM

Lab ID: 17070839-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/2/2017
Calcium	100000	58		mg/Kg-dry	10	8/2/2017
Chromium	23	0.97		mg/Kg-dry	10	8/2/2017
Cobalt	13	0.97		mg/Kg-dry	10	8/2/2017
Copper	30	2.4		mg/Kg-dry	10	8/2/2017
Iron	32000	29		mg/Kg-dry	10	8/2/2017
Lead	21	0.49		mg/Kg-dry	10	8/2/2017
Magnesium	56000	29		mg/Kg-dry	10	8/2/2017
Manganese	610	0.97		mg/Kg-dry	10	8/2/2017
Nickel	37	0.97		mg/Kg-dry	10	8/2/2017
Potassium	2300	29		mg/Kg-dry	10	8/2/2017
Selenium	ND	0.97		mg/Kg-dry	10	8/2/2017
Silver	ND	0.97		mg/Kg-dry	10	8/2/2017
Sodium	1200	58		mg/Kg-dry	10	8/2/2017
Thallium	ND	0.97		mg/Kg-dry	10	8/2/2017
Vanadium	27	0.97		mg/Kg-dry	10	8/2/2017
Zinc	83	4.9		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	0.0062	0.0040		mg/L	2	8/1/2017
Barium	0.074	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	0.0095	0.0040		mg/L	2	8/1/2017
Cobalt	ND	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	8.9	0.10		mg/L	2	8/1/2017
Lead	0.0035	0.0020		mg/L	2	8/1/2017
Manganese	0.040	0.0040		mg/L	2	8/1/2017
Nickel	0.010	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	0.037	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/2/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	0.66	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-37-04 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:05:00 AM

Lab ID: 17070839-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)			Prep Date: 8/2/2017		Analyst: JG
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	0.055	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	ND	0.25		mg/L	5	8/2/2017
Lead	ND	0.0050		mg/L	5	8/2/2017
Manganese	5.4	0.010		mg/L	5	8/2/2017
Nickel	0.065	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.17	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A			Prep Date: 8/2/2017		Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A			Prep Date: 7/31/2017		Analyst: LB
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A			Prep Date: 7/28/2017		Analyst: LB
Mercury	0.024	0.022		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C			Prep Date: 7/31/2017		Analyst: RW
pH	8.62			pH Units	1	7/31/2017
Percent Moisture	D2974			Prep Date: 7/28/2017		Analyst: KKA
Percent Moisture	14.3	0.2	*	wt%	1	7/29/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-03 (0-7")

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 10:20:00 AM

Lab ID: 17070839-017A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 7/28/2017		Analyst: ERP
Acetone	ND	0.067		mg/Kg-dry	1	8/3/2017
Benzene	ND	0.0045		mg/Kg-dry	1	8/3/2017
Bromodichloromethane	ND	0.0045		mg/Kg-dry	1	8/3/2017
Bromoform	ND	0.0045		mg/Kg-dry	1	8/3/2017
Bromomethane	ND	0.0090		mg/Kg-dry	1	8/3/2017
2-Butanone	ND	0.067		mg/Kg-dry	1	8/3/2017
Carbon disulfide	ND	0.045		mg/Kg-dry	1	8/3/2017
Carbon tetrachloride	ND	0.0045		mg/Kg-dry	1	8/3/2017
Chlorobenzene	ND	0.0045		mg/Kg-dry	1	8/3/2017
Chloroethane	ND	0.0090		mg/Kg-dry	1	8/3/2017
Chloroform	ND	0.0045		mg/Kg-dry	1	8/3/2017
Chloromethane	ND	0.0090		mg/Kg-dry	1	8/3/2017
Dibromochloromethane	ND	0.0045		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethane	ND	0.0045		mg/Kg-dry	1	8/3/2017
1,2-Dichloroethane	ND	0.0045		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/3/2017
cis-1,2-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/3/2017
trans-1,2-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/3/2017
1,2-Dichloropropane	ND	0.0045		mg/Kg-dry	1	8/3/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/3/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/3/2017
Ethylbenzene	ND	0.0045		mg/Kg-dry	1	8/3/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/3/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/3/2017
Methylene chloride	ND	0.0090		mg/Kg-dry	1	8/3/2017
Methyl tert-butyl ether	ND	0.0045		mg/Kg-dry	1	8/3/2017
Styrene	ND	0.0045		mg/Kg-dry	1	8/3/2017
1,1,2,2-Tetrachloroethane	ND	0.0045		mg/Kg-dry	1	8/3/2017
Tetrachloroethene	ND	0.0045		mg/Kg-dry	1	8/3/2017
Toluene	ND	0.0045		mg/Kg-dry	1	8/3/2017
1,1,1-Trichloroethane	ND	0.0045		mg/Kg-dry	1	8/3/2017
1,1,2-Trichloroethane	ND	0.0045		mg/Kg-dry	1	8/3/2017
Trichloroethene	ND	0.0045		mg/Kg-dry	1	8/3/2017
Vinyl chloride	ND	0.0045		mg/Kg-dry	1	8/3/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/3/2017

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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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-03 (0-7")

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 10:20:00 AM

Lab ID: 17070839-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 7/31/2017	Analyst: DM	

Acenaphthene	ND	0.039		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	0.98		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/1/2017

Qualifiers:

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-03 (0-7")

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 10:20:00 AM

Lab ID: 17070839-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 7/31/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/1/2017
Fluoranthene	0.049	0.039		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/1/2017
Pyrene	0.042	0.039		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.79		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/1/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/1/2017 Analyst: JG

Aluminum	14000	21		mg/Kg-dry	10	8/2/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/2/2017
Arsenic	18	1.1		mg/Kg-dry	10	8/2/2017
Barium	81	1.1		mg/Kg-dry	10	8/2/2017
Beryllium	0.85	0.53		mg/Kg-dry	10	8/2/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-03 (0-7')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 10:20:00 AM

Lab ID: 17070839-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.53		mg/Kg-dry	10	8/2/2017
Calcium	61000	64		mg/Kg-dry	10	8/2/2017
Chromium	23	1.1		mg/Kg-dry	10	8/2/2017
Cobalt	14	1.1		mg/Kg-dry	10	8/2/2017
Copper	26	2.6		mg/Kg-dry	10	8/2/2017
Iron	33000	32		mg/Kg-dry	10	8/2/2017
Lead	93	0.53		mg/Kg-dry	10	8/2/2017
Magnesium	33000	32		mg/Kg-dry	10	8/2/2017
Manganese	840	1.1		mg/Kg-dry	10	8/2/2017
Nickel	32	1.1		mg/Kg-dry	10	8/2/2017
Potassium	1800	32		mg/Kg-dry	10	8/2/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/2/2017
Silver	ND	1.1		mg/Kg-dry	10	8/2/2017
Sodium	440	64		mg/Kg-dry	10	8/2/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/2/2017
Vanadium	31	1.1		mg/Kg-dry	10	8/2/2017
Zinc	120	5.3		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/1/2017
Barium	0.055	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	0.0071	0.0040		mg/L	2	8/1/2017
Cobalt	ND	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	4.8	0.10		mg/L	2	8/1/2017
Lead	0.0049	0.0020		mg/L	2	8/1/2017
Manganese	0.029	0.0040		mg/L	2	8/1/2017
Nickel	0.0052	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	0.024	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	0.73	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-03 (0-7')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 10:20:00 AM

Lab ID: 17070839-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 7/31/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	ND	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	ND	0.25		mg/L	5	8/2/2017
Lead	0.015	0.0050		mg/L	5	8/2/2017
Manganese	0.58	0.010		mg/L	5	8/2/2017
Nickel	ND	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.18	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/2/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A		Prep Date: 7/31/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A		Prep Date: 7/28/2017		Analyst: LB	
Mercury	0.025	0.022		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C		Prep Date: 7/31/2017		Analyst: RW	
pH	8.61			pH Units	1	7/31/2017
Percent Moisture	D2974		Prep Date: 7/28/2017		Analyst: KKA	
Percent Moisture	15.3	0.2	*	wt%	1	7/29/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-03 (7-14')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 10:23:00 AM

Lab ID: 17070839-018A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 7/28/2017	Analyst: ERP
Acetone	ND	0.082		mg/Kg-dry	1	8/3/2017
Benzene	ND	0.0055		mg/Kg-dry	1	8/3/2017
Bromodichloromethane	ND	0.0055		mg/Kg-dry	1	8/3/2017
Bromoform	ND	0.0055		mg/Kg-dry	1	8/3/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/3/2017
2-Butanone	ND	0.082		mg/Kg-dry	1	8/3/2017
Carbon disulfide	ND	0.055		mg/Kg-dry	1	8/3/2017
Carbon tetrachloride	ND	0.0055		mg/Kg-dry	1	8/3/2017
Chlorobenzene	ND	0.0055		mg/Kg-dry	1	8/3/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/3/2017
Chloroform	ND	0.0055		mg/Kg-dry	1	8/3/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/3/2017
Dibromochloromethane	ND	0.0055		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethane	ND	0.0055		mg/Kg-dry	1	8/3/2017
1,2-Dichloroethane	ND	0.0055		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/3/2017
cis-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/3/2017
trans-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/3/2017
1,2-Dichloropropane	ND	0.0055		mg/Kg-dry	1	8/3/2017
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/3/2017
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/3/2017
Ethylbenzene	ND	0.0055		mg/Kg-dry	1	8/3/2017
2-Hexanone	ND	0.022		mg/Kg-dry	1	8/3/2017
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	8/3/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/3/2017
Methyl tert-butyl ether	ND	0.0055		mg/Kg-dry	1	8/3/2017
Styrene	ND	0.0055		mg/Kg-dry	1	8/3/2017
1,1,2,2-Tetrachloroethane	ND	0.0055		mg/Kg-dry	1	8/3/2017
Tetrachloroethene	ND	0.0055		mg/Kg-dry	1	8/3/2017
Toluene	ND	0.0055		mg/Kg-dry	1	8/3/2017
1,1,1-Trichloroethane	ND	0.0055		mg/Kg-dry	1	8/3/2017
1,1,2-Trichloroethane	ND	0.0055		mg/Kg-dry	1	8/3/2017
Trichloroethene	ND	0.0055		mg/Kg-dry	1	8/3/2017
Vinyl chloride	ND	0.0055		mg/Kg-dry	1	8/3/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/3/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-03 (7-14')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 10:23:00 AM

Lab ID: 17070839-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 7/31/2017		Analyst: DM

Acenaphthene	ND	0.041		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.041		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.41		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.041		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.41		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.041		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/1/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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Report Date: August 07, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-03 (7-14')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 10:23:00 AM

Lab ID: 17070839-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 7/31/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.041		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.041		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.041		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.041		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.041		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.041		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.82		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/1/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/1/2017 Analyst: JG

Aluminum	11000	22		mg/Kg-dry	10	8/2/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/2/2017
Arsenic	6.8	1.1		mg/Kg-dry	10	8/2/2017
Barium	92	1.1		mg/Kg-dry	10	8/2/2017
Beryllium	0.72	0.54		mg/Kg-dry	10	8/2/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-03 (7-14')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 10:23:00 AM

Lab ID: 17070839-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.54		mg/Kg-dry	10	8/2/2017
Calcium	90000	65		mg/Kg-dry	10	8/2/2017
Chromium	17	1.1		mg/Kg-dry	10	8/2/2017
Cobalt	8.6	1.1		mg/Kg-dry	10	8/2/2017
Copper	23	2.7		mg/Kg-dry	10	8/2/2017
Iron	21000	32		mg/Kg-dry	10	8/2/2017
Lead	70	0.54		mg/Kg-dry	10	8/2/2017
Magnesium	48000	32		mg/Kg-dry	10	8/2/2017
Manganese	590	1.1		mg/Kg-dry	10	8/2/2017
Nickel	23	1.1		mg/Kg-dry	10	8/2/2017
Potassium	1500	32		mg/Kg-dry	10	8/2/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/2/2017
Silver	ND	1.1		mg/Kg-dry	10	8/2/2017
Sodium	590	65		mg/Kg-dry	10	8/2/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/2/2017
Vanadium	22	1.1		mg/Kg-dry	10	8/2/2017
Zinc	80	5.4		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/1/2017
Barium	0.091	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	0.0044	0.0040		mg/L	2	8/1/2017
Cobalt	ND	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	1.9	0.10		mg/L	2	8/1/2017
Lead	0.0022	0.0020		mg/L	2	8/1/2017
Manganese	0.0085	0.0040		mg/L	2	8/1/2017
Nickel	ND	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	ND	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	1.2	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

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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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-03 (7-14')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 10:23:00 AM

Lab ID: 17070839-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 7/31/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	0.025	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	ND	0.25		mg/L	5	8/2/2017
Lead	0.057	0.0050		mg/L	5	8/2/2017
Manganese	5.1	0.010		mg/L	5	8/2/2017
Nickel	0.029	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.33	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/2/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A		Prep Date: 7/31/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A		Prep Date: 7/28/2017		Analyst: LB	
Mercury	0.041	0.020		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C		Prep Date: 7/31/2017		Analyst: RW	
pH	7.45			pH Units	1	7/31/2017
Percent Moisture	D2974		Prep Date: 7/28/2017		Analyst: KKA	
Percent Moisture	18.7	0.2	*	wt%	1	7/29/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-04 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 10:35:00 AM

Lab ID: 17070839-019A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 7/28/2017	Analyst: ERP
Acetone	ND	0.079		mg/Kg-dry	1	8/3/2017
Benzene	ND	0.0052		mg/Kg-dry	1	8/3/2017
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	8/3/2017
Bromoform	ND	0.0052		mg/Kg-dry	1	8/3/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/3/2017
2-Butanone	ND	0.079		mg/Kg-dry	1	8/3/2017
Carbon disulfide	ND	0.052		mg/Kg-dry	1	8/3/2017
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	8/3/2017
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	8/3/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/3/2017
Chloroform	ND	0.0052		mg/Kg-dry	1	8/3/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/3/2017
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/3/2017
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/3/2017
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/3/2017
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/3/2017
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	8/3/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/3/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/3/2017
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	8/3/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/3/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/3/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/3/2017
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	8/3/2017
Styrene	ND	0.0052		mg/Kg-dry	1	8/3/2017
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	8/3/2017
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	8/3/2017
Toluene	ND	0.0052		mg/Kg-dry	1	8/3/2017
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/3/2017
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/3/2017
Trichloroethene	ND	0.0052		mg/Kg-dry	1	8/3/2017
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	8/3/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/3/2017

Qualifiers:

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-04 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 10:35:00 AM

Lab ID: 17070839-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 7/31/2017		Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	0.93		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	0.93		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	0.93		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/1/2017

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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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-04 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 10:35:00 AM

Lab ID: 17070839-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 7/31/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.075		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.75		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/1/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/1/2017 Analyst: JG

Aluminum	4800	20		mg/Kg-dry	10	8/2/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/2/2017
Arsenic	6.4	1.0		mg/Kg-dry	10	8/2/2017
Barium	36	1.0		mg/Kg-dry	10	8/2/2017
Beryllium	ND	0.51		mg/Kg-dry	10	8/2/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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Report Date: August 07, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-04 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 10:35:00 AM

Lab ID: 17070839-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/2/2017
Calcium	150000	610		mg/Kg-dry	100	8/4/2017
Chromium	9.2	1.0		mg/Kg-dry	10	8/2/2017
Cobalt	5.3	1.0		mg/Kg-dry	10	8/2/2017
Copper	14	2.5		mg/Kg-dry	10	8/2/2017
Iron	12000	30		mg/Kg-dry	10	8/2/2017
Lead	17	0.51		mg/Kg-dry	10	8/2/2017
Magnesium	68000	30		mg/Kg-dry	10	8/2/2017
Manganese	410	1.0		mg/Kg-dry	10	8/2/2017
Nickel	13	1.0		mg/Kg-dry	10	8/2/2017
Potassium	720	30		mg/Kg-dry	10	8/2/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/2/2017
Silver	ND	1.0		mg/Kg-dry	10	8/2/2017
Sodium	880	61		mg/Kg-dry	10	8/2/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/2/2017
Vanadium	12	1.0		mg/Kg-dry	10	8/2/2017
Zinc	35	5.1		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	0.0063	0.0040		mg/L	2	8/1/2017
Barium	0.077	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	0.011	0.0040		mg/L	2	8/1/2017
Cobalt	ND	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	9.9	0.10		mg/L	2	8/1/2017
Lead	0.0044	0.0020		mg/L	2	8/1/2017
Manganese	0.076	0.0040		mg/L	2	8/1/2017
Nickel	0.012	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	0.031	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/2/2017
Barium	0.70	0.050		mg/L	5	8/2/2017
Beryllium	ND	0.0050		mg/L	5	8/2/2017
Cadmium	ND	0.0050		mg/L	5	8/2/2017

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

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-04 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 10:35:00 AM

Lab ID: 17070839-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 7/31/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/2/2017
Cobalt	ND	0.010		mg/L	5	8/2/2017
Copper	ND	0.10		mg/L	5	8/2/2017
Iron	ND	0.25		mg/L	5	8/2/2017
Lead	ND	0.0050		mg/L	5	8/2/2017
Manganese	0.56	0.010		mg/L	5	8/2/2017
Nickel	ND	0.010		mg/L	5	8/2/2017
Selenium	ND	0.010		mg/L	5	8/2/2017
Silver	ND	0.010		mg/L	5	8/2/2017
Zinc	0.17	0.050		mg/L	5	8/2/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/2/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/2/2017
SPLP Mercury	SW1312/7470A		Prep Date: 7/31/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A		Prep Date: 7/28/2017		Analyst: LB	
Mercury	0.019	0.018		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C		Prep Date: 7/31/2017		Analyst: RW	
pH	8.71			pH Units	1	7/31/2017
Percent Moisture	D2974		Prep Date: 7/28/2017		Analyst: KKA	
Percent Moisture	12.2	0.2	*	wt%	1	7/29/2017

Qualifiers:

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 HT - Sample received past holding time
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 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-05 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 10:37:00 AM

Lab ID: 17070839-020A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 7/28/2017		Analyst: ERP
Acetone	ND	0.074		mg/Kg-dry	1	8/3/2017
Benzene	ND	0.0050		mg/Kg-dry	1	8/3/2017
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
Bromoform	ND	0.0050		mg/Kg-dry	1	8/3/2017
Bromomethane	ND	0.0099		mg/Kg-dry	1	8/3/2017
2-Butanone	ND	0.074		mg/Kg-dry	1	8/3/2017
Carbon disulfide	ND	0.050		mg/Kg-dry	1	8/3/2017
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	8/3/2017
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	8/3/2017
Chloroethane	ND	0.0099		mg/Kg-dry	1	8/3/2017
Chloroform	ND	0.0050		mg/Kg-dry	1	8/3/2017
Chloromethane	ND	0.0099		mg/Kg-dry	1	8/3/2017
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/3/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/3/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	8/3/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/3/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/3/2017
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	8/3/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/3/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/3/2017
Methylene chloride	ND	0.0099		mg/Kg-dry	1	8/3/2017
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	8/3/2017
Styrene	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	8/3/2017
Toluene	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/3/2017
Trichloroethene	ND	0.0050		mg/Kg-dry	1	8/3/2017
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	8/3/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/3/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-05 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 10:37:00 AM

Lab ID: 17070839-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)	Prep Date: 7/31/2017	Analyst: DM

Acenaphthene	ND	0.040	mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.040	mg/Kg-dry	1	8/1/2017
Aniline	ND	0.41	mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.040	mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.040	mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.40	mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.040	mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.040	mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.040	mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.040	mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	1.0	mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.21	mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.21	mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.21	mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	1.0	mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.21	mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.21	mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.21	mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.21	mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.40	mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.21	mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.21	mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.21	mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.040	mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.040	mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.21	mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.21	mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.21	mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.21	mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.21	mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.21	mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.21	mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.21	mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.21	mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.40	mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	1.0	mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.040	mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.040	mg/Kg-dry	1	8/1/2017

Qualifiers:

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-05 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 10:37:00 AM

Lab ID: 17070839-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 7/31/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.82		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/1/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/1/2017 Analyst: JG

Aluminum	18000	22		mg/Kg-dry	10	8/2/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/2/2017
Arsenic	17	1.1		mg/Kg-dry	10	8/2/2017
Barium	130	1.1		mg/Kg-dry	10	8/2/2017
Beryllium	1.0	0.54		mg/Kg-dry	10	8/2/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-05 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 10:37:00 AM

Lab ID: 17070839-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.54		mg/Kg-dry	10	8/2/2017
Calcium	44000	65		mg/Kg-dry	10	8/2/2017
Chromium	23	1.1		mg/Kg-dry	10	8/2/2017
Cobalt	15	1.1		mg/Kg-dry	10	8/2/2017
Copper	28	2.7		mg/Kg-dry	10	8/2/2017
Iron	36000	33		mg/Kg-dry	10	8/2/2017
Lead	33	0.54		mg/Kg-dry	10	8/2/2017
Magnesium	25000	33		mg/Kg-dry	10	8/2/2017
Manganese	920	1.1		mg/Kg-dry	10	8/2/2017
Nickel	34	1.1		mg/Kg-dry	10	8/2/2017
Potassium	1500	33		mg/Kg-dry	10	8/2/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/2/2017
Silver	ND	1.1		mg/Kg-dry	10	8/2/2017
Sodium	1100	65		mg/Kg-dry	10	8/2/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/2/2017
Vanadium	35	1.1		mg/Kg-dry	10	8/2/2017
Zinc	86	5.4		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	0.0057	0.0040		mg/L	2	8/1/2017
Barium	0.064	0.020		mg/L	2	8/1/2017
Beryllium	ND	0.0020		mg/L	2	8/1/2017
Cadmium	ND	0.0020		mg/L	2	8/1/2017
Chromium	0.0076	0.0040		mg/L	2	8/1/2017
Cobalt	ND	0.0040		mg/L	2	8/1/2017
Copper	ND	0.040		mg/L	2	8/1/2017
Iron	5.8	0.10		mg/L	2	8/1/2017
Lead	0.0056	0.0020		mg/L	2	8/1/2017
Manganese	0.059	0.0040		mg/L	2	8/1/2017
Nickel	0.0066	0.0040		mg/L	2	8/1/2017
Selenium	ND	0.0040		mg/L	2	8/1/2017
Silver	ND	0.0040		mg/L	2	8/1/2017
Zinc	0.027	0.020		mg/L	2	8/1/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/1/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/1/2017
Barium	1.5	0.050		mg/L	5	8/1/2017
Beryllium	ND	0.0050		mg/L	5	8/1/2017
Cadmium	ND	0.0050		mg/L	5	8/1/2017

Qualifiers:

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J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

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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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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-05 (0-3.5')

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 10:37:00 AM

Lab ID: 17070839-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/1/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/1/2017
Cobalt	0.024	0.010		mg/L	5	8/1/2017
Copper	ND	0.10		mg/L	5	8/1/2017
Iron	ND	0.25		mg/L	5	8/1/2017
Lead	ND	0.0050		mg/L	5	8/1/2017
Manganese	15	0.010		mg/L	5	8/1/2017
Nickel	0.024	0.010		mg/L	5	8/1/2017
Selenium	ND	0.010		mg/L	5	8/1/2017
Silver	ND	0.010		mg/L	5	8/1/2017
Zinc	0.22	0.050		mg/L	5	8/1/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/1/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/1/2017
SPLP Mercury	SW1312/7470A		Prep Date: 7/31/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A		Prep Date: 7/28/2017		Analyst: LB	
Mercury	0.041	0.023		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C		Prep Date: 7/31/2017		Analyst: RW	
pH	8.09			pH Units	1	7/31/2017
Percent Moisture	D2974		Prep Date: 7/28/2017		Analyst: KKA	
Percent Moisture	18.2	0.2	*	wt%	1	7/29/2017

Qualifiers:

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-01

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 12:30:00 PM

Lab ID: 17070839-021A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 7/28/2017	Analyst: JNM
Acetone	ND	0.070		mg/Kg-dry	1	8/4/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/4/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/4/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/4/2017
Bromomethane	ND	0.0094		mg/Kg-dry	1	8/4/2017
2-Butanone	ND	0.070		mg/Kg-dry	1	8/4/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/4/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/4/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/4/2017
Chloroethane	ND	0.0094		mg/Kg-dry	1	8/4/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/4/2017
Chloromethane	ND	0.0094		mg/Kg-dry	1	8/4/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/4/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/4/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/4/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/4/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/4/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/4/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/4/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/4/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/4/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/4/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/4/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/4/2017
Methylene chloride	ND	0.0094		mg/Kg-dry	1	8/4/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/4/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/4/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/4/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/4/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/4/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/4/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/4/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/4/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/4/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/4/2017

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-01

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 12:30:00 PM

Lab ID: 17070839-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 7/31/2017	Analyst: DM	

Acenaphthene	ND	0.034		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.034		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.35		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.034		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.034		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.34		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.034		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.034		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.034		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.034		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	0.87		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	0.87		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.34		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.034		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.034		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.34		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	0.87		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.034		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.034		mg/Kg-dry	1	8/1/2017

Qualifiers:

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-01

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 12:30:00 PM

Lab ID: 17070839-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 7/31/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.034		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.034		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.034		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.034		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.34		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.034		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.034		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.070		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.034		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.18		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.034		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.70		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/1/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/1/2017 Analyst: JG

Aluminum	2600	18		mg/Kg-dry	10	8/2/2017
Antimony	ND	1.8		mg/Kg-dry	10	8/2/2017
Arsenic	8.3	0.91		mg/Kg-dry	10	8/2/2017
Barium	17	0.91		mg/Kg-dry	10	8/2/2017
Beryllium	ND	0.45		mg/Kg-dry	10	8/2/2017

Qualifiers:

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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-01

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 12:30:00 PM

Lab ID: 17070839-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.45		mg/Kg-dry	10	8/2/2017
Calcium	110000	540		mg/Kg-dry	100	8/4/2017
Chromium	5.1	0.91		mg/Kg-dry	10	8/2/2017
Cobalt	3.6	0.91		mg/Kg-dry	10	8/2/2017
Copper	6.7	2.3		mg/Kg-dry	10	8/2/2017
Iron	9800	27		mg/Kg-dry	10	8/2/2017
Lead	21	0.45		mg/Kg-dry	10	8/2/2017
Magnesium	61000	27		mg/Kg-dry	10	8/2/2017
Manganese	300	0.91		mg/Kg-dry	10	8/2/2017
Nickel	12	0.91		mg/Kg-dry	10	8/2/2017
Potassium	520	27		mg/Kg-dry	10	8/2/2017
Selenium	ND	0.91		mg/Kg-dry	10	8/2/2017
Silver	ND	0.91		mg/Kg-dry	10	8/2/2017
Sodium	220	54		mg/Kg-dry	10	8/2/2017
Thallium	ND	0.91		mg/Kg-dry	10	8/2/2017
Vanadium	8.7	0.91		mg/Kg-dry	10	8/2/2017
Zinc	19	4.5		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	7/31/2017
Barium	0.025	0.020		mg/L	2	7/31/2017
Beryllium	ND	0.0020		mg/L	2	7/31/2017
Cadmium	ND	0.0020		mg/L	2	7/31/2017
Chromium	0.0046	0.0040		mg/L	2	7/31/2017
Cobalt	ND	0.0040		mg/L	2	7/31/2017
Copper	ND	0.040		mg/L	2	7/31/2017
Iron	4.4	0.10		mg/L	2	7/31/2017
Lead	0.0030	0.0020		mg/L	2	7/31/2017
Manganese	0.034	0.0040		mg/L	2	7/31/2017
Nickel	ND	0.0040		mg/L	2	7/31/2017
Selenium	ND	0.0040		mg/L	2	7/31/2017
Silver	ND	0.0040		mg/L	2	7/31/2017
Zinc	0.026	0.020		mg/L	2	7/31/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/1/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/1/2017
Barium	0.73	0.050		mg/L	5	8/1/2017
Beryllium	ND	0.0050		mg/L	5	8/1/2017
Cadmium	ND	0.0050		mg/L	5	8/1/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

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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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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-01

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 12:30:00 PM

Lab ID: 17070839-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)				Prep Date: 8/1/2017	Analyst: JG
Chromium	ND	0.010		mg/L	5	8/1/2017
Cobalt	ND	0.010		mg/L	5	8/1/2017
Copper	ND	0.10		mg/L	5	8/1/2017
Iron	ND	0.25		mg/L	5	8/1/2017
Lead	ND	0.0050		mg/L	5	8/1/2017
Manganese	0.79	0.010		mg/L	5	8/1/2017
Nickel	ND	0.010		mg/L	5	8/1/2017
Selenium	ND	0.010		mg/L	5	8/1/2017
Silver	ND	0.010		mg/L	5	8/1/2017
Zinc	0.19	0.050		mg/L	5	8/1/2017
TCLP Mercury	SW1311/7470A				Prep Date: 7/31/2017	Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/1/2017
SPLP Mercury	SW1312/7470A				Prep Date: 7/31/2017	Analyst: LB
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A				Prep Date: 7/28/2017	Analyst: LB
Mercury	ND	0.018		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C				Prep Date: 7/31/2017	Analyst: RW
pH	8.73			pH Units	1	7/31/2017
Percent Moisture	D2974				Prep Date: 7/28/2017	Analyst: KKA
Percent Moisture	4.4	0.2	*	wt%	1	7/29/2017

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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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-02

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:00:00 AM

Lab ID: 17070839-022A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 7/28/2017		Analyst: JNM
Acetone	ND	0.084		mg/Kg-dry	1	8/4/2017
Benzene	ND	0.0056		mg/Kg-dry	1	8/4/2017
Bromodichloromethane	ND	0.0056		mg/Kg-dry	1	8/4/2017
Bromoform	ND	0.0056		mg/Kg-dry	1	8/4/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/4/2017
2-Butanone	ND	0.084		mg/Kg-dry	1	8/4/2017
Carbon disulfide	ND	0.056		mg/Kg-dry	1	8/4/2017
Carbon tetrachloride	ND	0.0056		mg/Kg-dry	1	8/4/2017
Chlorobenzene	ND	0.0056		mg/Kg-dry	1	8/4/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/4/2017
Chloroform	ND	0.0056		mg/Kg-dry	1	8/4/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/4/2017
Dibromochloromethane	ND	0.0056		mg/Kg-dry	1	8/4/2017
1,1-Dichloroethane	ND	0.0056		mg/Kg-dry	1	8/4/2017
1,2-Dichloroethane	ND	0.0056		mg/Kg-dry	1	8/4/2017
1,1-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/4/2017
cis-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/4/2017
trans-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/4/2017
1,2-Dichloropropane	ND	0.0056		mg/Kg-dry	1	8/4/2017
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/4/2017
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/4/2017
Ethylbenzene	ND	0.0056		mg/Kg-dry	1	8/4/2017
2-Hexanone	ND	0.022		mg/Kg-dry	1	8/4/2017
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	8/4/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/4/2017
Methyl tert-butyl ether	ND	0.0056		mg/Kg-dry	1	8/4/2017
Styrene	ND	0.0056		mg/Kg-dry	1	8/4/2017
1,1,2,2-Tetrachloroethane	ND	0.0056		mg/Kg-dry	1	8/4/2017
Tetrachloroethene	ND	0.0056		mg/Kg-dry	1	8/4/2017
Toluene	ND	0.0056		mg/Kg-dry	1	8/4/2017
1,1,1-Trichloroethane	ND	0.0056		mg/Kg-dry	1	8/4/2017
1,1,2-Trichloroethane	ND	0.0056		mg/Kg-dry	1	8/4/2017
Trichloroethene	ND	0.0056		mg/Kg-dry	1	8/4/2017
Vinyl chloride	ND	0.0056		mg/Kg-dry	1	8/4/2017
Xylenes, Total	ND	0.017		mg/Kg-dry	1	8/4/2017

Qualifiers:

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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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-02

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 7/27/2017 9:00:00 AM

Lab ID: 17070839-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 7/31/2017	Analyst: DM	

Acenaphthene	ND	0.041		mg/Kg-dry	1	8/1/2017
Acenaphthylene	ND	0.041		mg/Kg-dry	1	8/1/2017
Aniline	ND	0.41		mg/Kg-dry	1	8/1/2017
Anthracene	ND	0.041		mg/Kg-dry	1	8/1/2017
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	8/1/2017
Benzidine	ND	0.41		mg/Kg-dry	1	8/1/2017
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	8/1/2017
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	8/1/2017
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	8/1/2017
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	8/1/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/1/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/1/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/1/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/1/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/1/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/1/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/1/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/1/2017
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	8/1/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/1/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/1/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/1/2017
Chrysene	ND	0.041		mg/Kg-dry	1	8/1/2017
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	8/1/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/1/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/1/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/1/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/1/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/1/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/1/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/1/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/1/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/1/2017
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	8/1/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/1/2017
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/1/2017
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/1/2017

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

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-02

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:00:00 AM

Lab ID: 17070839-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 7/31/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/1/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/1/2017
Fluoranthene	ND	0.041		mg/Kg-dry	1	8/1/2017
Fluorene	ND	0.041		mg/Kg-dry	1	8/1/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/1/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/1/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/1/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/1/2017
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	8/1/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/1/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/1/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/1/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/1/2017
Naphthalene	ND	0.041		mg/Kg-dry	1	8/1/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/1/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/1/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/1/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/1/2017
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	8/1/2017
Nitrobenzene	ND	0.041		mg/Kg-dry	1	8/1/2017
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	8/1/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/1/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/1/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/1/2017
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	8/1/2017
Phenanthrene	ND	0.041		mg/Kg-dry	1	8/1/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/1/2017
Pyrene	ND	0.041		mg/Kg-dry	1	8/1/2017
Pyridine	ND	0.83		mg/Kg-dry	1	8/1/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/1/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/1/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/1/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/1/2017 Analyst: JG

Aluminum	19000	21		mg/Kg-dry	10	8/2/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/2/2017
Arsenic	21	1.1		mg/Kg-dry	10	8/2/2017
Barium	130	1.1		mg/Kg-dry	10	8/2/2017
Beryllium	1.2	0.53		mg/Kg-dry	10	8/2/2017

Qualifiers:

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-02

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:00:00 AM

Lab ID: 17070839-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/1/2017

Analyst: JG

Cadmium	ND	0.53		mg/Kg-dry	10	8/2/2017
Calcium	12000	64		mg/Kg-dry	10	8/2/2017
Chromium	23	1.1		mg/Kg-dry	10	8/2/2017
Cobalt	16	1.1		mg/Kg-dry	10	8/2/2017
Copper	36	2.7		mg/Kg-dry	10	8/2/2017
Iron	41000	32		mg/Kg-dry	10	8/2/2017
Lead	38	0.53		mg/Kg-dry	10	8/2/2017
Magnesium	9100	32		mg/Kg-dry	10	8/2/2017
Manganese	510	1.1		mg/Kg-dry	10	8/2/2017
Nickel	38	1.1		mg/Kg-dry	10	8/2/2017
Potassium	1400	32		mg/Kg-dry	10	8/2/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/2/2017
Silver	ND	1.1		mg/Kg-dry	10	8/2/2017
Sodium	1300	64		mg/Kg-dry	10	8/2/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/2/2017
Vanadium	36	1.1		mg/Kg-dry	10	8/2/2017
Zinc	100	5.3		mg/Kg-dry	10	8/2/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 7/31/2017

Analyst: JG

Arsenic	0.0042	0.0040		mg/L	2	7/31/2017
Barium	0.062	0.020		mg/L	2	7/31/2017
Beryllium	ND	0.0020		mg/L	2	7/31/2017
Cadmium	ND	0.0020		mg/L	2	7/31/2017
Chromium	0.0066	0.0040		mg/L	2	7/31/2017
Cobalt	ND	0.0040		mg/L	2	7/31/2017
Copper	ND	0.040		mg/L	2	7/31/2017
Iron	6.7	0.10		mg/L	2	7/31/2017
Lead	0.0031	0.0020		mg/L	2	7/31/2017
Manganese	0.042	0.0040		mg/L	2	7/31/2017
Nickel	0.0066	0.0040		mg/L	2	7/31/2017
Selenium	ND	0.0040		mg/L	2	7/31/2017
Silver	ND	0.0040		mg/L	2	7/31/2017
Zinc	0.024	0.020		mg/L	2	7/31/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/1/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/1/2017
Barium	1.3	0.050		mg/L	5	8/1/2017
Beryllium	ND	0.0050		mg/L	5	8/1/2017
Cadmium	ND	0.0050		mg/L	5	8/1/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

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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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Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-02

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017 9:00:00 AM

Lab ID: 17070839-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/1/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/1/2017
Cobalt	0.018	0.010		mg/L	5	8/1/2017
Copper	ND	0.10		mg/L	5	8/1/2017
Iron	0.51	0.25		mg/L	5	8/1/2017
Lead	ND	0.0050		mg/L	5	8/1/2017
Manganese	10	0.010		mg/L	5	8/1/2017
Nickel	0.021	0.010		mg/L	5	8/1/2017
Selenium	ND	0.010		mg/L	5	8/1/2017
Silver	ND	0.010		mg/L	5	8/1/2017
Zinc	0.22	0.050		mg/L	5	8/1/2017
TCLP Mercury	SW1311/7470A		Prep Date: 7/31/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/1/2017
SPLP Mercury	SW1312/7470A		Prep Date: 7/31/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	7/31/2017
Mercury	SW7471A		Prep Date: 7/28/2017		Analyst: LB	
Mercury	0.048	0.022		mg/Kg-dry	1	7/31/2017
pH (25 °C)	SW9045C		Prep Date: 7/31/2017		Analyst: RW	
pH	7.94			pH Units	1	7/31/2017
Percent Moisture	D2974		Prep Date: 7/28/2017		Analyst: KKA	
Percent Moisture	20.4	0.2	*	wt%	1	7/29/2017

Qualifiers:

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

Report Date: August 07, 2017

Print Date: August 07, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: Trip Blank

Work Order: 17070839 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 7/27/2017

Lab ID: 17070839-023A

Matrix: Aqueous

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW8260B (SW5030B)		Prep Date:		Analyst: ERP
Acetone	ND	0.020		mg/L	1	8/3/2017
Benzene	ND	0.0050		mg/L	1	8/3/2017
Bromodichloromethane	ND	0.0050		mg/L	1	8/3/2017
Bromoform	ND	0.0050		mg/L	1	8/3/2017
Bromomethane	ND	0.010		mg/L	1	8/3/2017
2-Butanone	ND	0.020		mg/L	1	8/3/2017
Carbon disulfide	ND	0.010		mg/L	1	8/3/2017
Carbon tetrachloride	ND	0.0050		mg/L	1	8/3/2017
Chlorobenzene	ND	0.0050		mg/L	1	8/3/2017
Chloroethane	ND	0.010		mg/L	1	8/3/2017
Chloroform	ND	0.0050		mg/L	1	8/3/2017
Chloromethane	ND	0.010		mg/L	1	8/3/2017
Dibromochloromethane	ND	0.0050		mg/L	1	8/3/2017
1,1-Dichloroethane	ND	0.0050		mg/L	1	8/3/2017
1,2-Dichloroethane	ND	0.0050		mg/L	1	8/3/2017
1,1-Dichloroethene	ND	0.0050		mg/L	1	8/3/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/L	1	8/3/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/L	1	8/3/2017
1,2-Dichloropropane	ND	0.0050		mg/L	1	8/3/2017
cis-1,3-Dichloropropene	ND	0.0010		mg/L	1	8/3/2017
trans-1,3-Dichloropropene	ND	0.0010		mg/L	1	8/3/2017
Ethylbenzene	ND	0.0050		mg/L	1	8/3/2017
2-Hexanone	ND	0.020		mg/L	1	8/3/2017
4-Methyl-2-pentanone	ND	0.020		mg/L	1	8/3/2017
Methylene chloride	ND	0.0050		mg/L	1	8/3/2017
Methyl tert-butyl ether	ND	0.0050		mg/L	1	8/3/2017
Styrene	ND	0.0050		mg/L	1	8/3/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/L	1	8/3/2017
Tetrachloroethene	ND	0.0050		mg/L	1	8/3/2017
Toluene	ND	0.0050		mg/L	1	8/3/2017
1,1,1-Trichloroethane	ND	0.0050		mg/L	1	8/3/2017
1,1,2-Trichloroethane	ND	0.0050		mg/L	1	8/3/2017
Trichloroethene	ND	0.0050		mg/L	1	8/3/2017
Vinyl chloride	ND	0.0020		mg/L	1	8/3/2017
Xylenes, Total	ND	0.015		mg/L	1	8/3/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

H - Holding time exceeded

CHAIN OF CUSTODY RECORD

Company: <u>Huht and Huht Inc</u>		Client Tracking No.:	
Project Number: <u>81.0220509.04</u>			
Project Name: <u>2531V-IL59 at US 20</u>			
Project Location: <u>Bartlett, IL</u>			
Sampler(s): <u>Armando Hernandez, Adam Kitter</u>			
Report To: <u>Gill Connolly</u>		Phone: <u>630-684-4420</u>	
Fax:		e-mail: <u>jill.connolly@huht.com</u>	
QC Level: 1	2	3	4
Client Sample Number/Description:	Date Taken	Time Taken	Matrix
2531V-34-01 (0-5')	7/27/17	0948	S
2531V-34-01 (5-9')		0950	
2531V-34-02 (0-7')		0953	
2531V-34-02 (7-14')		0956	
2531V-34-03 (0-3.5')		1003	
2531V-35-01 (0-5')		0940	
2531V-35-01 (5-9')		0943	
2531V-35-02 (0-3.5')		0937	
2531V-36-01 (0-5')		0942	
2531V-36-01 (5-9')		0930	
2531V-36-02 (0-3.5')		0920	
2531V-36-03 (0-3.5')		0918	
2531V-37-01 (0-3.5')		0915	
2531V-37-02 (0-3.5')		0912	
2531V-37-03 (0-3.5')		0910	
2531V-37-04 (0-3.5')		0905	
2531V-41-03 (0-7')		1020	
2531V-41-03 (7-14')		1023	
2531V-41-04 (0-3.5')		1055	
2531V-41-05 (0-3.5')			
Relinquished by: (Signature) <u>[Signature]</u>		Date/Time: <u>7/27/17 10:30</u>	
Received by: (Signature) <u>[Signature]</u>		Date/Time: <u>7/28/17 10:30</u>	
Relinquished by: (Signature) <u>[Signature]</u>		Date/Time: <u>7/28/17 11:45</u>	
Received by: (Signature) <u>[Signature]</u>		Date/Time: <u>7/28/17 11:45</u>	
Relinquished by: (Signature) <u>[Signature]</u>		Date/Time: <u>7/28/17 11:45</u>	
Received by: (Signature) <u>[Signature]</u>		Date/Time: <u>7/28/17 11:45</u>	

Laboratory Work Order No.: <u>17070839</u>	
Received on Ice: Yes ☒ No ☐	Temperature: <u>5.6</u> °C

117 of 171

Sample Receipt Checklist

Client Name **HUFF & HUFF**

Date and Time Received: **7/28/2017 11:45:00 AM**

Work Order Number **17070839**

Received by: **JNW**

Checklist completed by:

Signature

Date

Reviewed by:

Initials

Date

Matrix:

Carrier name STAT Analysis

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels/containers?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container or Temp Blank temperature in compliance?

Yes ☒

No ☐

Temperature **5.6 °C**

Water - VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☒

No ☐

Water - Samples pH checked?

Yes ☐

No ☐

Checked by:

Water - Samples properly preserved?

Yes ☐

No ☐

pH Adjusted?

Any No response must be detailed in the comments section below.

Comments:

Collection time for sample 2531Y-4105 (O-3.V) was taken from sample container.

Client / Person contacted:

Date contacted:

Contacted by:

Response:

STAT Analysis Corporation

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW5035/8260B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VBLK080317-2	113	98.1	97.9	104				
VLCS080317-2	114	98.1	101	99.8				
VLCSD080317-2	112	98.9	98.4	102				
17070839-001A	114	100	98.4	109				
17070839-002A	117	99.3	98.0	112				
17070839-003A	103	98.9	97.1	111				
17070839-004A	101	97.9	94.0	111				
17070839-005A	109	98.0	98.8	105				
17070839-006A	118	97.0	102	112				
17070839-007A	115	98.3	97.3	108				
17070839-008A	105	95.7	87.5	90.9				
VBLK080317A-2	104	99.4	104	101				
VLCS080317A-2	101	101	97.4	103				
VLCSD080317A-2	105	96.9	101	99.6				
17070839-009A	102	99.9	100	109				
17070839-010A	103	99.3	99.3	111				
17070839-011A	107	98.6	98.9	109				
17070839-012A	104	99.1	98.0	114				
17070839-013A	106	99.1	98.0	108				
17070839-014A	95.6	101	85.9	98.9				
17070839-015A	105	99.2	106	115				
17070839-021A	108	98.7	97.9	112				
17070839-022A	104	101	98.8	114				
VBLK080317-3	102	97.9	108	105				
VLCS080317-3	99.8	99.3	102	95.5				
VLCSD080317-3	100	101	108	103				
17070839-016A	96.2	96.5	106	109				

Acronym

Surrogate

QC Limits

BR4FBZ	=	4-Bromofluorobenzene	58-122
BZMED8	=	Toluene-d8	73-122
DBFM	=	Dibromofluoromethane	65-131
DCA12D4	=	1,2-Dichloroethane-d4	71-143

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW5035/8260B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
17070839-017A	91.7	96.6	119	121				
17070839-018A	101	101	105	116				
17070839-019A	96.4	97.1	120	119				
17070839-020A	103	98.6	118	116				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	58-122
BZMED8	= Toluene-d8	73-122
DBFM	= Dibromofluoromethane	65-131
DCA12D4	= 1,2-Dichloroethane-d4	71-143

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134593

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3729894	BFB080317-2	TUNE	BFB	R134593	1	08/03/2017 08:34
3729895	VSTD050	CCV	VOC_ENCORE+	R134593	1	08/03/2017 09:04
3729896	VLK080317-2	MBLK	VOC_ENCORE+	R134593	1	08/03/2017 09:42
3729897	VLCS080317-2	LCS	VOC_ENCORE+	R134593	1	08/03/2017 10:21
3729898	VLCS080317-2	LCSD	VOC_ENCORE+	R134593	1	08/03/2017 11:00
3729899	17070839-001A	SAMP	VOC_5035	102153	1	08/03/2017 11:42
3729900	17070839-002A	SAMP	VOC_5035	102153	1	08/03/2017 12:21
3729901	17070839-003A	SAMP	VOC_5035	102153	1	08/03/2017 12:59
3729933	17070839-004A	SAMP	VOC_5035	102153	1	08/03/2017 13:47
3729953	17070839-005A	SAMP	VOC_5035	102153	1	08/03/2017 14:26
3730018	17070839-006A	SAMP	VOC_5035	102153	1	08/03/2017 15:05
3730114	17070839-007A	SAMP	VOC_5035	102153	1	08/03/2017 15:42
3730124	17070839-008A	SAMP	VOC_5035	102153	1	08/03/2017 16:20
3730485	17070680-002A	SAMP	VOC_5035	102286	1	08/03/2017 17:36
3730586	17070681-001A	SAMP	VOC_5035	102286	1	08/03/2017 18:14
3730587	17070681-003A	SAMP	VOC_5035	102286	1	08/03/2017 18:51
3730588	17070681-009A	SAMP	VOC_5035	102286	1	08/03/2017 19:28
3730589	17070681-011A	SAMP	VOC_5035	102286	1	08/03/2017 20:05
3730633	17070669-002A	RA	VOC_5035	102286	1	08/03/2017 20:43
3731920	17070669-002A	RA	BTEX_5035	102286	1	08/03/2017 20:43

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
VBLK080317-2	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/3/2017		VOA-2_170803A		3729896		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
1,1-Dichloroethane	ND	0.0050									
1,1-Dichloroethene	ND	0.0050									
1,2-Dichloroethane	ND	0.0050									
1,2-Dichloropropane	ND	0.0050									
2-Butanone	ND	0.075									
2-Hexanone	ND	0.020									
4-Methyl-2-pentanone	ND	0.020									
Acetone	ND	0.075									
Benzene	ND	0.0050									
Bromodichloromethane	ND	0.0050									
Bromoform	ND	0.0050									
Bromomethane	ND	0.010									
Carbon disulfide	ND	0.050									
Carbon tetrachloride	ND	0.0050									
Chlorobenzene	ND	0.0050									
Chloroethane	ND	0.010									
Chloroform	ND	0.0050									
Chloromethane	ND	0.010									
cis-1,2-Dichloroethene	ND	0.0050									
cis-1,3-Dichloropropene	ND	0.0020									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17070839

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134593

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLBK080317-2	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/3/2017	VOA-2_170803A			3729896		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Dibromochloromethane

ND 0.0050

Ethylbenzene

ND 0.0050

Methyl tert-butyl ether

ND 0.0050

Methylene chloride

ND 0.010

Styrene

ND 0.0050

Tetrachloroethene

ND 0.0050

Toluene

0.00084 0.0050

J

trans-1,2-Dichloroethene

ND 0.0050

trans-1,3-Dichloropropene

ND 0.0020

Trichloroethene

ND 0.0050

Vinyl chloride

ND 0.0050

Xylenes, Total

ND 0.015

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLCS080317-2	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/3/2017	VOA-2_170803A			3729897		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane

0.05218 0.0050

0.05

0

104

70

130

0

0

1,1,2,2-Tetrachloroethane

0.05556 0.0050

0.05

0

111

70

130

0

0

1,1,2-Trichloroethane

0.05128 0.0050

0.05

0

103

70

130

0

0

1,1-Dichloroethane

0.04339 0.0050

0.05

0

86.8

70

130

0

0

1,1-Dichloroethene

0.04318 0.0050

0.05

0

86.4

70

130

0

0

1,2-Dichloroethane

0.05277 0.0050

0.05

0

106

70

130

0

0

1,2-Dichloropropane

0.04345 0.0050

0.05

0

86.9

70

130

0

0

2-Butanone

0.08552 0.075

0.1

0

85.5

50

150

0

0

2-Hexanone

0.08273 0.020

0.1

0

82.7

50

150

0

0

4-Methyl-2-pentanone

0.07622 0.020

0.1

0

76.2

50

150

0

0

Acetone

0.07805 0.075

0.1

0

78.1

50

150

0

0

Benzene

0.04551 0.0050

0.05

0

91

70

130

0

0

Bromodichloromethane

0.04946 0.0050

0.05

0

98.9

70

130

0

0

Bromoform

0.05835 0.0050

0.05

0

117

70

130

0

0

Bromomethane

0.02903 0.010

0.05

0

58.1

50

150

0

0

Carbon disulfide

0.08538 0.050

0.1

0

85.4

70

130

0

0

Carbon tetrachloride

0.05337 0.0050

0.05

0

107

70

130

0

0

Chlorobenzene

0.05326 0.0050

0.05

0

107

70

130

0

0

Chloroethane

0.04013 0.010

0.05

0

80.3

70

130

0

0

Chloroform

0.04737 0.0050

0.05

0

94.7

70

130

0

0

Chloromethane

0.03699 0.010

0.05

0

74

70

130

0

0

cis-1,2-Dichloroethene

0.04675 0.0050

0.05

0

93.5

70

130

0

0

cis-1,3-Dichloropropene

0.04737 0.0020

0.05

0

94.7

70

130

0

0

Dibromochloromethane

0.05835 0.0050

0.05

0

117

70

130

0

0

Ethylbenzene

0.04983 0.0050

0.05

0

99.7

70

130

0

0

Methyl tert-butyl ether

0.0485 0.0050

0.05

0

97

70

130

0

0

Methylene chloride

0.03526 0.010

0.05

0

70.5

70

130

0

0

Styrene

0.05358 0.0050

0.05

0

107

70

130

0

0

Tetrachloroethene

0.05492 0.0050

0.05

0

110

70

130

0

0

Toluene

0.05094 0.0050

0.05

0.00084

100

70

130

0

0

trans-1,2-Dichloroethene

0.0469 0.0050

0.05

0

93.8

70

130

0

0

trans-1,3-Dichloropropene

0.05345 0.0020

0.05

0

107

70

130

0

0

Trichloroethene

0.04828 0.0050

0.05

0

96.6

70

130

0

0

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

* - Non Accredited Parameter

H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134593

Sample ID: VLCS080317-2	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/3/2017	Run ID: VOA-2_170803A		SeqNo: 3729897			
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Vinyl chloride	0.04171	0.0050	0.05	0	83.4	70	130	0	0			
Xylenes, Total	0.1595	0.015	0.15	0	106	70	130	0	0			

Sample ID: VLCS080317-2	Customer ID: ZZZZZ	SampType: LCSD	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/3/2017	Run ID: VOA-2_170803A		SeqNo: 3729898			
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05233	0.0050	0.05	0	105	70	130	0.05218	0.287	20	
1,1,2,2-Tetrachloroethane	0.05563	0.0050	0.05	0	111	70	130	0.05556	0.126	20	
1,1,2-Trichloroethane	0.05373	0.0050	0.05	0	107	70	130	0.05128	4.67	20	
1,1-Dichloroethane	0.04416	0.0050	0.05	0	88.3	70	130	0.04339	1.76	20	
1,1-Dichloroethene	0.04727	0.0050	0.05	0	94.5	70	130	0.04318	9.04	20	
1,2-Dichloroethane	0.05441	0.0050	0.05	0	109	70	130	0.05277	3.06	20	
1,2-Dichloropropane	0.0454	0.0050	0.05	0	90.8	70	130	0.04345	4.39	20	
2-Butanone	0.09209	0.075	0.1	0	92.1	50	150	0.08552	7.40	20	
2-Hexanone	0.08381	0.020	0.1	0	83.8	50	150	0.08273	1.30	20	
4-Methyl-2-pentanone	0.08012	0.020	0.1	0	80.1	50	150	0.07622	4.99	20	
Acetone	0.08191	0.075	0.1	0	81.9	50	150	0.07805	4.83	20	
Benzene	0.04643	0.0050	0.05	0	92.9	70	130	0.04551	2.00	20	
Bromodichloromethane	0.05044	0.0050	0.05	0	101	70	130	0.04946	1.96	20	
Bromoform	0.06123	0.0050	0.05	0	122	70	130	0.05835	4.82	20	
Bromomethane	0.03367	0.010	0.05	0	67.3	50	150	0.02903	14.8	20	
Carbon disulfide	0.08657	0.050	0.1	0	86.6	70	130	0.08538	1.38	20	
Carbon tetrachloride	0.0536	0.0050	0.05	0	107	70	130	0.05337	0.430	20	
Chlorobenzene	0.05374	0.0050	0.05	0	107	70	130	0.05326	0.897	20	
Chloroethane	0.04278	0.010	0.05	0	85.6	70	130	0.04013	6.39	20	
Chloroform	0.04804	0.0050	0.05	0	96.1	70	130	0.04737	1.40	20	
Chloromethane	0.04956	0.010	0.05	0	99.1	70	130	0.03699	29.0	20	R
cis-1,2-Dichloroethene	0.04814	0.0050	0.05	0	96.3	70	130	0.04675	2.93	20	
cis-1,3-Dichloropropene	0.04802	0.0020	0.05	0	96	70	130	0.04737	1.36	20	
Dibromochloromethane	0.05926	0.0050	0.05	0	119	70	130	0.05835	1.55	20	
Ethylbenzene	0.05114	0.0050	0.05	0	102	70	130	0.04983	2.59	20	
Methyl tert-butyl ether	0.0503	0.0050	0.05	0	101	70	130	0.0485	3.64	20	
Methylene chloride	0.03515	0.010	0.05	0	70.3	70	130	0.03526	0.312	20	
Styrene	0.05456	0.0050	0.05	0	109	70	130	0.05358	1.81	20	
Tetrachloroethene	0.05702	0.0050	0.05	0	114	70	130	0.05492	3.75	20	
Toluene	0.05156	0.0050	0.05	0.00084	101	70	130	0.05094	1.21	20	
trans-1,2-Dichloroethene	0.04709	0.0050	0.05	0	94.2	70	130	0.0469	0.404	20	
trans-1,3-Dichloropropene	0.05475	0.0020	0.05	0	110	70	130	0.05345	2.40	20	
Trichloroethene	0.04867	0.0050	0.05	0	97.3	70	130	0.04828	0.805	20	
Vinyl chloride	0.05097	0.0050	0.05	0	102	70	130	0.04171	20.0	20	
Xylenes, Total	0.1616	0.015	0.15	0	108	70	130	0.1595	1.30	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134595

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3729902	BFB080317-3	TUNE	BFB	R134595	1	08/03/2017 09:53
3729903	VSTD050R	CCV	VOC_ENCORE+	R134595	1	08/03/2017 10:57
3729904	VLK080317-3	MBLK	VOC_ENCORE+	R134595	1	08/03/2017 12:10
3729905	VLCS080317-3	LCS	VOC_ENCORE+	R134595	1	08/03/2017 12:48
3729906	VLCS080317-3	LCSD	VOC_ENCORE+	R134595	1	08/03/2017 13:26
3730251	17070884-001A	SAMP	BTEX+_5035	102286	1	08/03/2017 14:11
3730253	17070884-002A	SAMP	BTEX+_5035	102286	1	08/03/2017 14:48
3730254	17070924-003A	SAMP	VOC_5035	102168	1	08/03/2017 15:25
3730255	17070924-004A	SAMP	VOC_5035	102168	1	08/03/2017 16:03
3730256	17070924-005A	SAMP	VOC_5035	102168	1	08/03/2017 16:40
3730279	17070924-006A	SAMP	VOC_5035	102168	1	08/03/2017 17:17
3730280	17070924-007A	SAMP	VOC_5035	102168	1	08/03/2017 17:54
3730305	17070924-008A	SAMP	VOC_5035	102168	1	08/03/2017 18:30
3730657	17070924-009A	SAMP	VOC_5035	102168	1	08/03/2017 19:07
3730658	17070839-016A	SAMP	VOC_5035	102153	1	08/03/2017 19:44
3730659	17070839-017A	SAMP	VOC_5035	102153	1	08/03/2017 20:21
3730661	17070839-018A	SAMP	VOC_5035	102153	1	08/03/2017 20:57
3730683	17070839-019A	SAMP	VOC_5035	102153	1	08/03/2017 21:34
3730684	17070839-020A	SAMP	VOC_5035	102153	1	08/03/2017 22:10

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
VLCS080317-3	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/3/2017	VOA-3_170803A				3729905
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.04669	0.0050	0.05	0	93.4	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.04792	0.0050	0.05	0	95.8	70	130	0	0		
1,1,2-Trichloroethane	0.04596	0.0050	0.05	0	91.9	70	130	0	0		
1,1-Dichloroethane	0.04583	0.0050	0.05	0	91.7	70	130	0	0		
1,1-Dichloroethene	0.04268	0.0050	0.05	0	85.4	70	130	0	0		
1,2-Dichloroethane	0.04743	0.0050	0.05	0	94.9	70	130	0	0		
1,2-Dichloropropane	0.04705	0.0050	0.05	0	94.1	70	130	0	0		
2-Butanone	0.08544	0.075	0.1	0	85.4	50	150	0	0		
2-Hexanone	0.09565	0.020	0.1	0	95.6	50	150	0	0		
4-Methyl-2-pentanone	0.09707	0.020	0.1	0	97.1	50	150	0	0		
Acetone	0.09744	0.075	0.1	0	97.4	50	150	0	0		
Benzene	0.04462	0.0050	0.05	0	89.2	70	130	0	0		
Bromodichloromethane	0.046	0.0050	0.05	0	92	70	130	0	0		
Bromoform	0.04939	0.0050	0.05	0	98.8	70	130	0	0		
Bromomethane	0.04535	0.010	0.05	0	90.7	50	150	0	0		
Carbon disulfide	0.09214	0.050	0.1	0.00042	91.7	70	130	0	0		
Carbon tetrachloride	0.04598	0.0050	0.05	0	92	70	130	0	0		
Chlorobenzene	0.04683	0.0050	0.05	0	93.7	70	130	0	0		
Chloroethane	0.04477	0.010	0.05	0	89.5	70	130	0	0		
Chloroform	0.046	0.0050	0.05	0	92	70	130	0	0		
Chloromethane	0.04955	0.010	0.05	0	99.1	70	130	0	0		
cis-1,2-Dichloroethene	0.04496	0.0050	0.05	0	89.9	70	130	0	0		
cis-1,3-Dichloropropene	0.04482	0.0020	0.05	0	89.6	70	130	0	0		
Dibromochloromethane	0.05097	0.0050	0.05	0	102	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134595

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLCS080317-3	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/3/2017	VOA-3_170803A			3729905		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Ethylbenzene	0.04727	0.0050	0.05	0	94.5	70	130	0	0		
Methyl tert-butyl ether	0.04639	0.0050	0.05	0	92.8	70	130	0	0		
Methylene chloride	0.04621	0.010	0.05	0	92.4	70	130	0	0		
Styrene	0.0488	0.0050	0.05	0	97.6	70	130	0	0		
Tetrachloroethene	0.04841	0.0050	0.05	0	96.8	70	130	0	0		
Toluene	0.04398	0.0050	0.05	0.00087	86.2	70	130	0	0		
trans-1,2-Dichloroethene	0.04634	0.0050	0.05	0	92.7	70	130	0	0		
trans-1,3-Dichloropropene	0.04844	0.0020	0.05	0	96.9	70	130	0	0		
Trichloroethene	0.04577	0.0050	0.05	0	91.5	70	130	0	0		
Vinyl chloride	0.0463	0.0050	0.05	0	92.6	70	130	0	0		
Xylenes, Total	0.1432	0.015	0.15	0	95.5	70	130	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
VLCS080317-3	ZZZZZ	LCSD	mg/Kg	SW5035/8260B		8/3/2017		VOA-3_170803A		3729906		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.04968	0.0050	0.05	0	99.4	70	130	0.04669	6.21	20	
1,1,2,2-Tetrachloroethane	0.05079	0.0050	0.05	0	102	70	130	0.04792	5.82	20	
1,1,2-Trichloroethane	0.0501	0.0050	0.05	0	100	70	130	0.04596	8.62	20	
1,1-Dichloroethane	0.05004	0.0050	0.05	0	100	70	130	0.04583	8.78	20	
1,1-Dichloroethene	0.04314	0.0050	0.05	0	86.3	70	130	0.04268	1.07	20	
1,2-Dichloroethane	0.05201	0.0050	0.05	0	104	70	130	0.04743	9.21	20	
1,2-Dichloropropane	0.05049	0.0050	0.05	0	101	70	130	0.04705	7.05	20	
2-Butanone	0.1018	0.075	0.1	0	102	50	150	0.08544	17.5	20	
2-Hexanone	0.106	0.020	0.1	0	106	50	150	0.09565	10.3	20	
4-Methyl-2-pentanone	0.1019	0.020	0.1	0	102	50	150	0.09707	4.86	20	
Acetone	0.115	0.075	0.1	0	115	50	150	0.09744	16.6	20	
Benzene	0.04818	0.0050	0.05	0	96.4	70	130	0.04462	7.67	20	
Bromodichloromethane	0.04863	0.0050	0.05	0	97.3	70	130	0.046	5.56	20	
Bromoform	0.05535	0.0050	0.05	0	111	70	130	0.04939	11.4	20	
Bromomethane	0.04947	0.010	0.05	0	98.9	50	150	0.04535	8.69	20	
Carbon disulfide	0.09945	0.050	0.1	0.00042	99	70	130	0.09214	7.63	20	
Carbon tetrachloride	0.05012	0.0050	0.05	0	100	70	130	0.04598	8.62	20	
Chlorobenzene	0.05019	0.0050	0.05	0	100	70	130	0.04683	6.93	20	
Chloroethane	0.04899	0.010	0.05	0	98	70	130	0.04477	9.00	20	
Chloroform	0.04889	0.0050	0.05	0	97.8	70	130	0.046	6.09	20	
Chloromethane	0.0537	0.010	0.05	0	107	70	130	0.04955	8.04	20	
cis-1,2-Dichloroethene	0.04848	0.0050	0.05	0	97	70	130	0.04496	7.53	20	
cis-1,3-Dichloropropene	0.04941	0.0020	0.05	0	98.8	70	130	0.04482	9.74	20	
Dibromochloromethane	0.0552	0.0050	0.05	0	110	70	130	0.05097	7.97	20	
Ethylbenzene	0.05033	0.0050	0.05	0	101	70	130	0.04727	6.27	20	
Methyl tert-butyl ether	0.05594	0.0050	0.05	0	112	70	130	0.04639	18.7	20	
Methylene chloride	0.05144	0.010	0.05	0	103	70	130	0.04621	10.7	20	
Styrene	0.05232	0.0050	0.05	0	105	70	130	0.0488	6.96	20	
Tetrachloroethene	0.05164	0.0050	0.05	0	103	70	130	0.04841	6.46	20	
Toluene	0.04735	0.0050	0.05	0.00087	93	70	130	0.04398	7.38	20	
trans-1,2-Dichloroethene	0.04989	0.0050	0.05	0	99.8	70	130	0.04634	7.38	20	
trans-1,3-Dichloropropene	0.05238	0.0020	0.05	0	105	70	130	0.04844	7.82	20	
Trichloroethene	0.0487	0.0050	0.05	0	97.4	70	130	0.04577	6.20	20	
Vinyl chloride	0.04961	0.0050	0.05	0	99.2	70	130	0.0463	6.90	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134595

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLCSD080317-3	ZZZZZ	LCSD	mg/Kg	SW5035/8260B		8/3/2017	VOA-3_170803A			3729906		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Xylenes, Total		0.1506	0.015	0.15	0	100	70	130	0.1432	4.98	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134626

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3731035	BFB080317A-2	TUNE	BFB	R134626	1	08/03/2017 21:33
3731036	VSTD050	CCV	VOC_ENCORE+	R134626	1	08/03/2017 22:02
3731038	VLK080317A-2	MBLK	VOC_ENCORE+	R134626	1	08/03/2017 22:40
3731039	VLCS080317A-2	LCS	VOC_ENCORE+	R134626	1	08/03/2017 23:17
3731041	VLCS080317A-2	LCSD	VOC_ENCORE+	R134626	1	08/03/2017 23:54
3731043	17070680-001A	SAMP	VOC_5035	102295	50	08/04/2017 00:30
3731045	17070839-009A	SAMP	VOC_5035	102153	1	08/04/2017 01:07
3731047	17070839-010A	SAMP	VOC_5035	102153	1	08/04/2017 01:44
3731049	17070839-011A	SAMP	VOC_5035	102153	1	08/04/2017 02:20
3731053	17070839-012A	SAMP	VOC_5035	102153	1	08/04/2017 02:57
3731054	17070839-013A	SAMP	VOC_5035	102153	1	08/04/2017 03:34
3731055	17070839-014A	SAMP	VOC_5035	102153	1	08/04/2017 04:10
3731056	17070839-015A	SAMP	VOC_5035	102153	1	08/04/2017 04:46
3731057	17070839-021A	SAMP	VOC_5035	102153	1	08/04/2017 05:23
3731058	17070839-022A	SAMP	VOC_5035	102153	1	08/04/2017 05:59
3731059	17080098-001A	SAMP	VOC_5035	102295	1	08/04/2017 06:36
3731060	17080132-001A	SAMP	F-LIST_VOC	102295	1	08/04/2017 07:12
3731061	17080133-001A	SAMP	BTEX_5035	102286	1	08/04/2017 07:48
3731062	17080133-002A	SAMP	BTEX_5035	102286	1	08/04/2017 08:25
3731063	17080133-003A	SAMP	BTEX_5035	102286	1	08/04/2017 09:02

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
VLK080317A-2	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/3/2017	VOA-2_170803B	3731038			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
1,1-Dichloroethane	ND	0.0050									
1,1-Dichloroethene	ND	0.0050									
1,2-Dichloroethane	ND	0.0050									
1,2-Dichloropropane	ND	0.0050									
2-Butanone	ND	0.075									
2-Hexanone	ND	0.020									
4-Methyl-2-pentanone	ND	0.020									
Acetone	ND	0.075									
Benzene	ND	0.0050									
Bromodichloromethane	ND	0.0050									
Bromoform	ND	0.0050									
Bromomethane	ND	0.010									
Carbon disulfide	ND	0.050									
Carbon tetrachloride	ND	0.0050									
Chlorobenzene	ND	0.0050									
Chloroethane	ND	0.010									
Chloroform	ND	0.0050									
Chloromethane	ND	0.010									
cis-1,2-Dichloroethene	ND	0.0050									
cis-1,3-Dichloropropene	ND	0.0020									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134626

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLBK080317A-2	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/3/2017	VOA-2_170803B			3731038		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Dibromochloromethane	ND	0.0050									
Ethylbenzene	ND	0.0050									
Methyl tert-butyl ether	ND	0.0050									
Methylene chloride	ND	0.010									
Styrene	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	0.00148	0.0050									J
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0020									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:		
VLCS080317A-2	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/3/2017			VOA-2_170803B		3731039		
Analyte		Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05411	0.0050	0.05	0	108	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.05218	0.0050	0.05	0	104	70	130	0	0		
1,1,2-Trichloroethane	0.0539	0.0050	0.05	0	108	70	130	0	0		
1,1-Dichloroethane	0.05121	0.0050	0.05	0	102	70	130	0	0		
1,1-Dichloroethene	0.04947	0.0050	0.05	0	98.9	70	130	0	0		
1,2-Dichloroethane	0.05442	0.0050	0.05	0	109	70	130	0	0		
1,2-Dichloropropane	0.05192	0.0050	0.05	0	104	70	130	0	0		
2-Butanone	0.1041	0.075	0.1	0	104	50	150	0	0		
2-Hexanone	0.09727	0.020	0.1	0	97.3	50	150	0	0		
4-Methyl-2-pentanone	0.09849	0.020	0.1	0	98.5	50	150	0	0		
Acetone	0.09637	0.075	0.1	0	96.4	50	150	0	0		
Benzene	0.05231	0.0050	0.05	0	105	70	130	0	0		
Bromodichloromethane	0.05232	0.0050	0.05	0	105	70	130	0	0		
Bromoform	0.05521	0.0050	0.05	0	110	70	130	0	0		
Bromomethane	0.03302	0.010	0.05	0	66	50	150	0	0		
Carbon disulfide	0.1003	0.050	0.1	0	100	70	130	0	0		
Carbon tetrachloride	0.05461	0.0050	0.05	0	109	70	130	0	0		
Chlorobenzene	0.0521	0.0050	0.05	0	104	70	130	0	0		
Chloroethane	0.04692	0.010	0.05	0	93.8	70	130	0	0		
Chloroform	0.05187	0.0050	0.05	0	104	70	130	0	0		
Chloromethane	0.0517	0.010	0.05	0	103	70	130	0	0		
cis-1,2-Dichloroethene	0.05071	0.0050	0.05	0	101	70	130	0	0		
cis-1,3-Dichloropropene	0.05464	0.0020	0.05	0	109	70	130	0	0		
Dibromochloromethane	0.05577	0.0050	0.05	0	112	70	130	0	0		
Ethylbenzene	0.05163	0.0050	0.05	0	103	70	130	0	0		
Methyl tert-butyl ether	0.05481	0.0050	0.05	0	110	70	130	0	0		
Methylene chloride	0.03808	0.010	0.05	0	76.2	70	130	0	0		
Styrene	0.0536	0.0050	0.05	0	107	70	130	0	0		
Tetrachloroethene	0.05421	0.0050	0.05	0	108	70	130	0	0		
Toluene	0.05469	0.0050	0.05	0.00148	106	70	130	0	0		
trans-1,2-Dichloroethene	0.05256	0.0050	0.05	0	105	70	130	0	0		
trans-1,3-Dichloropropene	0.05689	0.0020	0.05	0	114	70	130	0	0		
Trichloroethene	0.05196	0.0050	0.05	0	104	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134626

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLCS080317A-2	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/3/2017	VOA-2_170803B			3731039		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Vinyl chloride	0.05289	0.0050	0.05	0	106	70	130	0	0		
Xylenes, Total	0.1606	0.015	0.15	0	107	70	130	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLCS080317A-2	ZZZZZ	LCSD	mg/Kg	SW5035/8260B		8/3/2017	VOA-2_170803B			3731041		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05301	0.0050	0.05	0	106	70	130	0.05411	2.05	20	
1,1,2,2-Tetrachloroethane	0.05337	0.0050	0.05	0	107	70	130	0.05218	2.25	20	
1,1,2-Trichloroethane	0.05395	0.0050	0.05	0	108	70	130	0.0539	0.0927	20	
1,1-Dichloroethane	0.05249	0.0050	0.05	0	105	70	130	0.05121	2.47	20	
1,1-Dichloroethene	0.0502	0.0050	0.05	0	100	70	130	0.04947	1.46	20	
1,2-Dichloroethane	0.05275	0.0050	0.05	0	106	70	130	0.05442	3.12	20	
1,2-Dichloropropane	0.05196	0.0050	0.05	0	104	70	130	0.05192	0.0770	20	
2-Butanone	0.1039	0.075	0.1	0	104	50	150	0.1041	0.212	20	
2-Hexanone	0.09772	0.020	0.1	0	97.7	50	150	0.09727	0.462	20	
4-Methyl-2-pentanone	0.09974	0.020	0.1	0	99.7	50	150	0.09849	1.26	20	
Acetone	0.09665	0.075	0.1	0	96.6	50	150	0.09637	0.290	20	
Benzene	0.05152	0.0050	0.05	0	103	70	130	0.05231	1.52	20	
Bromodichloromethane	0.05137	0.0050	0.05	0	103	70	130	0.05232	1.83	20	
Bromoform	0.05609	0.0050	0.05	0	112	70	130	0.05521	1.58	20	
Bromomethane	0.04124	0.010	0.05	0	82.5	50	150	0.03302	22.1	20	R
Carbon disulfide	0.1003	0.050	0.1	0	100	70	130	0.1003	0.00997	20	
Carbon tetrachloride	0.0538	0.0050	0.05	0	108	70	130	0.05461	1.49	20	
Chlorobenzene	0.0532	0.0050	0.05	0	106	70	130	0.0521	2.09	20	
Chloroethane	0.05066	0.010	0.05	0	101	70	130	0.04692	7.67	20	
Chloroform	0.05071	0.0050	0.05	0	101	70	130	0.05187	2.26	20	
Chloromethane	0.05512	0.010	0.05	0	110	70	130	0.0517	6.40	20	
cis-1,2-Dichloroethene	0.05225	0.0050	0.05	0	104	70	130	0.05071	2.99	20	
cis-1,3-Dichloropropene	0.05378	0.0020	0.05	0	108	70	130	0.05464	1.59	20	
Dibromochloromethane	0.05649	0.0050	0.05	0	113	70	130	0.05577	1.28	20	
Ethylbenzene	0.05221	0.0050	0.05	0	104	70	130	0.05163	1.12	20	
Methyl tert-butyl ether	0.05419	0.0050	0.05	0	108	70	130	0.05481	1.14	20	
Methylene chloride	0.03893	0.010	0.05	0	77.9	70	130	0.03808	2.21	20	
Styrene	0.05402	0.0050	0.05	0	108	70	130	0.0536	0.781	20	
Tetrachloroethene	0.05414	0.0050	0.05	0	108	70	130	0.05421	0.129	20	
Toluene	0.05389	0.0050	0.05	0.00148	105	70	130	0.05469	1.47	20	
trans-1,2-Dichloroethene	0.05305	0.0050	0.05	0	106	70	130	0.05256	0.928	20	
trans-1,3-Dichloropropene	0.05794	0.0020	0.05	0	116	70	130	0.05689	1.83	20	
Trichloroethene	0.05034	0.0050	0.05	0	101	70	130	0.05196	3.17	20	
Vinyl chloride	0.05279	0.0050	0.05	0	106	70	130	0.05289	0.189	20	
Xylenes, Total	0.1623	0.015	0.15	0	108	70	130	0.1606	1.03	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW8260B **Matrix:** W

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VBLK080317-4	104	98.9	97.9	103				
VLCS080317-4	103	101	99.6	101				
VLCS080317-4	107	102	96.3	102				
17070839-023A	105	100	95.7	107				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	79-114
BZMED8	= Toluene-d8	91-109
DBFM	= Dibromofluoromethane	85-123
DCA12D4	= 1,2-Dichloroethane-d4	86-119

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134591

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3729864	BFB080317-4	TUNE	BFB	R134591	1	08/03/2017 09:44
3729865	VSTD050	CCV	VOC_W+	R134591	1	08/03/2017 10:16
3729875	VLK080317-4	MBLK	VOC_W+	R134591	1	08/03/2017 11:06
3729889	VLCS080317-4	LCS	VOC_W+	R134591	1	08/03/2017 11:44
3729891	VLCS080317-4	LCSD	VOC_W+	R134591	1	08/03/2017 12:21
3730827	ZBLK073117-4	MBLK	VOC_TCLP+	R134591	10	08/03/2017 12:59
3730828	17070870-001A	SAMP	VOC_TCLP	R134591	10	08/03/2017 13:36
3730829	17070885-001B	SAMP	VOC_TCLP	R134591	10	08/03/2017 14:14
3730830	17070839-023A	SAMP	VOC_W	R134591	1	08/03/2017 14:51
3730831	17070855-010A	SAMP	VOC_W	R134591	1	08/03/2017 15:28
3730832	17070860-001A	SAMP	VOC_W	R134591	50000	08/03/2017 16:05
3730833	17070860-001A	SAMP	VOC_W	R134591	5000	08/03/2017 16:42
3730834	17070860-001A	SAMP	VOC_W	R134591	500	08/03/2017 17:19

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:			SeqNo:
VBLK080317-4	ZZZZZ	MBLK	mg/L	SW8260B		8/3/2017			VOA-4_170803A			3729875
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.020									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone		ND	0.020									
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide		ND	0.010									
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0010									
Dibromochloromethane		ND	0.0050									
Ethylbenzene		ND	0.0050									
Methyl tert-butyl ether		ND	0.0050									
Methylene chloride		ND	0.0050									
Styrene		ND	0.0050									
Tetrachloroethene		0.0028	0.0050									J
Toluene		ND	0.0050									
trans-1,2-Dichloroethene		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134591

Sample ID: VBLK080317-4	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW8260B	Prep Date:	Analysis Date: 8/3/2017	Run ID: VOA-4_170803A			SeqNo: 3729875		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

trans-1,3-Dichloropropene	ND	0.0010
Trichloroethene	ND	0.0050
Vinyl chloride	ND	0.0020
Xylenes, Total	ND	0.015

Sample ID: VLCS080317-4	Customer ID: ZZZZZ	SampType: LCS	Units: mg/L	TestNo: SW8260B	Prep Date:	Analysis Date: 8/3/2017	Run ID: VOA-4_170803A			SeqNo: 3729889		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.02111	0.0050	0.02	0	106	70	130	0	0
1,1,2,2-Tetrachloroethane	0.02343	0.0050	0.02	0	117	70	130	0	0
1,1,2-Trichloroethane	0.02201	0.0050	0.02	0	110	70	130	0	0
1,1-Dichloroethane	0.0194	0.0050	0.02	0	97	70	130	0	0
1,1-Dichloroethene	0.01932	0.0050	0.02	0	96.6	70	130	0	0
1,2-Dichloroethane	0.02008	0.0050	0.02	0	100	70	130	0	0
1,2-Dichloropropane	0.02082	0.0050	0.02	0	104	70	130	0	0
2-Butanone	0.04778	0.020	0.04	0	119	50	150	0	0
2-Hexanone	0.0435	0.020	0.04	0	109	50	150	0	0
4-Methyl-2-pentanone	0.04165	0.020	0.04	0	104	50	150	0	0
Acetone	0.04973	0.020	0.04	0	124	50	150	0	0
Benzene	0.01995	0.0050	0.02	0	99.8	70	130	0	0
Bromodichloromethane	0.01967	0.0050	0.02	0	98.4	70	130	0	0
Bromoform	0.02195	0.0050	0.02	0	110	70	130	0	0
Bromomethane	0.01954	0.010	0.02	0	97.7	50	150	0	0
Carbon disulfide	0.03772	0.010	0.04	0	94.3	70	130	0	0
Carbon tetrachloride	0.02118	0.0050	0.02	0	106	70	130	0	0
Chlorobenzene	0.02098	0.0050	0.02	0	105	70	130	0	0
Chloroethane	0.02059	0.010	0.02	0	103	70	130	0	0
Chloroform	0.01864	0.0050	0.02	0	93.2	70	130	0	0
Chloromethane	0.01986	0.010	0.02	0	99.3	70	130	0	0
cis-1,2-Dichloroethene	0.01866	0.0050	0.02	0	93.3	70	130	0	0
cis-1,3-Dichloropropene	0.02027	0.0010	0.02	0	101	70	130	0	0
Dibromochloromethane	0.02283	0.0050	0.02	0	114	70	130	0	0
Ethylbenzene	0.02044	0.0050	0.02	0	102	70	130	0	0
Methyl tert-butyl ether	0.01916	0.0050	0.02	0	95.8	70	130	0	0
Methylene chloride	0.01993	0.0050	0.02	0	99.7	70	130	0	0
Styrene	0.02055	0.0050	0.02	0	103	70	130	0	0
Tetrachloroethene	0.02321	0.0050	0.02	0.0028	102	70	130	0	0
Toluene	0.02042	0.0050	0.02	0	102	70	130	0	0
trans-1,2-Dichloroethene	0.01982	0.0050	0.02	0	99.1	70	130	0	0
trans-1,3-Dichloropropene	0.02104	0.0010	0.02	0	105	70	130	0	0
Trichloroethene	0.02023	0.0050	0.02	0	101	70	130	0	0
Vinyl chloride	0.02011	0.0020	0.02	0	101	70	130	0	0
Xylenes, Total	0.06027	0.015	0.06	0	100	70	130	0	0

Sample ID: VLCS080317-4	Customer ID: ZZZZZ	SampType: LCSD	Units: mg/L	TestNo: SW8260B	Prep Date:	Analysis Date: 8/3/2017	Run ID: VOA-4_170803A			SeqNo: 3729891		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.01942	0.0050	0.02	0	97.1	70	130	0.02111	8.34	20

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134591

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
VLCS080317-4	ZZZZZ	LCSD	mg/L	SW8260B		8/3/2017	VOA-4_170803A				3729891	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,2,2-Tetrachloroethane		0.02189	0.0050	0.02	0	109	70	130	0.02343	6.80	20	
1,1,2-Trichloroethane		0.02144	0.0050	0.02	0	107	70	130	0.02201	2.62	20	
1,1-Dichloroethane		0.01853	0.0050	0.02	0	92.6	70	130	0.0194	4.59	20	
1,1-Dichloroethene		0.01786	0.0050	0.02	0	89.3	70	130	0.01932	7.85	20	
1,2-Dichloroethane		0.01955	0.0050	0.02	0	97.8	70	130	0.02008	2.67	20	
1,2-Dichloropropane		0.01897	0.0050	0.02	0	94.8	70	130	0.02082	9.30	20	
2-Butanone		0.04345	0.020	0.04	0	109	50	150	0.04778	9.49	20	
2-Hexanone		0.04159	0.020	0.04	0	104	50	150	0.0435	4.49	20	
4-Methyl-2-pentanone		0.04151	0.020	0.04	0	104	50	150	0.04165	0.337	20	
Acetone		0.04697	0.020	0.04	0	117	50	150	0.04973	5.71	20	
Benzene		0.01908	0.0050	0.02	0	95.4	70	130	0.01995	4.46	20	
Bromodichloromethane		0.01932	0.0050	0.02	0	96.6	70	130	0.01967	1.80	20	
Bromoform		0.02107	0.0050	0.02	0	105	70	130	0.02195	4.09	20	
Bromomethane		0.01829	0.010	0.02	0	91.4	50	150	0.01954	6.61	20	
Carbon disulfide		0.03481	0.010	0.04	0	87	70	130	0.03772	8.02	20	
Carbon tetrachloride		0.01961	0.0050	0.02	0	98	70	130	0.02118	7.70	20	
Chlorobenzene		0.01999	0.0050	0.02	0	100	70	130	0.02098	4.83	20	
Chloroethane		0.0186	0.010	0.02	0	93	70	130	0.02059	10.2	20	
Chloroform		0.01773	0.0050	0.02	0	88.7	70	130	0.01864	5.00	20	
Chloromethane		0.01825	0.010	0.02	0	91.2	70	130	0.01986	8.45	20	
cis-1,2-Dichloroethene		0.01747	0.0050	0.02	0	87.4	70	130	0.01866	6.59	20	
cis-1,3-Dichloropropene		0.01905	0.0010	0.02	0	95.2	70	130	0.02027	6.21	20	
Dibromochloromethane		0.02169	0.0050	0.02	0	108	70	130	0.02283	5.12	20	
Ethylbenzene		0.019	0.0050	0.02	0	95	70	130	0.02044	7.30	20	
Methyl tert-butyl ether		0.01847	0.0050	0.02	0	92.4	70	130	0.01916	3.67	20	
Methylene chloride		0.01958	0.0050	0.02	0	97.9	70	130	0.01993	1.77	20	
Styrene		0.01915	0.0050	0.02	0	95.8	70	130	0.02055	7.05	20	
Tetrachloroethene		0.02239	0.0050	0.02	0.0028	98	70	130	0.02321	3.60	20	
Toluene		0.01902	0.0050	0.02	0	95.1	70	130	0.02042	7.10	20	
trans-1,2-Dichloroethene		0.01856	0.0050	0.02	0	92.8	70	130	0.01982	6.57	20	
trans-1,3-Dichloropropene		0.0201	0.0010	0.02	0	100	70	130	0.02104	4.57	20	
Trichloroethene		0.01933	0.0050	0.02	0	96.6	70	130	0.02023	4.55	20	
Vinyl chloride		0.01885	0.0020	0.02	0	94.2	70	130	0.02011	6.47	20	
Xylenes, Total		0.05655	0.015	0.06	0	94.2	70	130	0.06027	6.37	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

STAT Analysis Corporation

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW8270C **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
17070839-005B	65.2	69.4	74.6	99.9	59.7	69.0	75.9	80.4
17070839-006B	64.4	68.9	73.7	104	58.6	68.8	77.7	80.5
17070839-007B	70.3	74.6	80.4	113	63.6	74.0	83.6	88.9
17070839-007BMS	76.3	82.1	91.1	113	67.9	78.2	86.8	86.2
17070839-007BMSD	73.0	78.6	88.4	110	66.3	76.2	84.8	83.5
MB-102169-SVOC	94.4	104	110	125 *	91.3	96.1	107	101
LCS-102169-SVOC	91.6	99.4	113	131 *	85.2	98.7	105	103
17070839-010B	59.4	62.8	69.1	90.9	56.8	64.2	70.7	75.5
17070839-011B	67.8	73.2	78.4	104	64.0	75.2	83.8	87.8
17070839-012B	67.2	71.7	78.8	100	64.3	74.1	78.9	84.9
17070839-013B	63.9	67.6	75.3	98.6	60.8	71.1	77.1	86.3
17070839-014B	70.0	74.3	79.3	107	63.9	76.2	83.3	83.6
17070839-015B	66.6	71.7	75.4	92.1	64.0	69.5	75.3	75.0
17070839-016B	65.4	70.9	75.1	99.3	62.2	69.5	75.2	83.8
17070839-017B	73.8	74.8	83.9	101	68.3	80.0	81.8	83.4
17070839-018B	52.5	55.2	59.4	89.3	49.4	57.8	61.5	73.7
17070839-019B	65.8	69.3	76.8	94.8	62.5	70.8	76.0	77.3
17070839-020B	60.5	56.8	68.5	98.9	56.9	63.8	67.9	80.4
17070839-021B	69.2	68.7	79.5	107	65.6	72.3	76.0	85.9
17070839-021BMS	61.8	61.6	72.7	106	57.4	65.1	72.8	84.1
17070839-021BMSD	65.3	64.0	76.4	104	60.6	69.0	75.2	83.1
17070839-022B	65.7	56.3	73.9	95.4	62.3	70.4	63.2	79.5
MB-102165-SVOC	93.9	105	120	100	99.8	103	94.8	93.0
LCS-102165-SVOC	73.1	75.6	95.8	87.3	71.2	80.4	81.1	86.3
17070839-001B	73.7	82.2	86.3	76.6	81.9	83.7	72.4	82.6
17070839-002B	71.9	71.3	84.5	89.0	75.0	78.3	73.5	90.5
17070839-003B	67.3	67.8	83.3	73.2	67.6	73.3	71.2	60.8

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW8270C **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
17070839-004B	70.3	70.6	79.8	91.0	67.8	71.6	75.7	78.6
17070839-008B	60.5	61.6	66.1	75.7	68.9	64.7	66.2	72.9
17070839-009B	69.9	68.3	69.1	73.6	72.4	71.9	71.4	78.3

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT
GCMS Semivolatiles
BatchID: 102165

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-102165-SVOC			0.03	0	0	1	33.333	7/31/2017	7/31/2017
LCS-102165-SVOC			0.03	0	0	1	33.333	7/31/2017	7/31/2017
17070839-001B	Soil		0.03018	0	0	1	33.135	7/31/2017	7/31/2017
17070839-002B	Soil		0.03003	0	0	1	33.300	7/31/2017	7/31/2017
17070839-003B	Soil		0.03003	0	0	1	33.300	7/31/2017	7/31/2017
17070839-004B	Soil		0.0301	0	0	1	33.223	7/31/2017	7/31/2017
17070839-005B	Soil		0.03016	0	0	1	33.156	7/31/2017	7/31/2017
17070839-006B	Soil		0.03016	0	0	1	33.156	7/31/2017	7/31/2017
17070839-007B	Soil		0.03016	0	0	1	33.156	7/31/2017	7/31/2017
17070839-008B	Soil		0.03038	0	0	1	32.916	7/31/2017	7/31/2017
17070839-009B	Soil		0.03006	0	0	1	33.267	7/31/2017	7/31/2017
17070839-010B	Soil		0.0304	0	0	1	32.895	7/31/2017	7/31/2017
17070839-011B	Soil		0.03001	0	0	1	33.322	7/31/2017	7/31/2017
17070839-012B	Soil		0.03012	0	0	1	33.201	7/31/2017	7/31/2017
17070839-013B	Soil		0.03023	0	0	1	33.080	7/31/2017	7/31/2017
17070839-014B	Soil		0.03037	0	0	1	32.927	7/31/2017	7/31/2017
17070839-015B	Soil		0.03007	0	0	1	33.256	7/31/2017	7/31/2017
17070839-016B	Soil		0.03042	0	0	1	32.873	7/31/2017	7/31/2017
17070839-017B	Soil		0.0301	0	0	1	33.223	7/31/2017	7/31/2017
17070839-018B	Soil		0.03006	0	0	1	33.267	7/31/2017	7/31/2017
17070839-019B	Soil		0.03038	0	0	1	32.916	7/31/2017	7/31/2017
17070839-007BMS	Soil		0.03018	0	0	1	33.135	7/31/2017	7/31/2017
17070839-007BMSD	Soil		0.03017	0	0	1	33.146	7/31/2017	7/31/2017
17070858-001A	Soil		0.01047	0	0	1	95.511	7/31/2017	7/31/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102165-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	7/31/2017	7/31/2017	SVOC-7_170731A				3728587	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene		ND	0.033									
Acenaphthylene		ND	0.033									
Aniline		ND	0.33									
Anthracene		ND	0.033									
Benz(a)anthracene		ND	0.033									
Benzidine		ND	0.33									
Benzo(a)pyrene		ND	0.033									
Benzo(b)fluoranthene		ND	0.033									
Benzo(g,h,i)perylene		ND	0.033									
Benzo(k)fluoranthene		ND	0.033									
Benzoic acid		ND	0.83									
Benzyl alcohol		ND	0.17									
Bis(2-chloroethoxy)methane		ND	0.17									
Bis(2-chloroethyl)ether		ND	0.17									
Bis(2-ethylhexyl)phthalate		ND	0.83									
4-Bromophenyl phenyl ether		ND	0.17									
Butyl benzyl phthalate		ND	0.17									
Carbazole		ND	0.17									
4-Chloroaniline		ND	0.17									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102165

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
MB-102165-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	7/31/2017	7/31/2017	SVOC-7_170731A			3728587		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33
2-Chloronaphthalene	ND	0.17
2-Chlorophenol	ND	0.17
4-Chlorophenyl phenyl ether	ND	0.17
Chrysene	ND	0.033
Dibenz(a,h)anthracene	ND	0.033
Dibenzofuran	ND	0.17
1,2-Dichlorobenzene	ND	0.17
1,3-Dichlorobenzene	ND	0.17
1,4-Dichlorobenzene	ND	0.17
3,3'-Dichlorobenzidine	ND	0.17
2,4-Dichlorophenol	ND	0.17
Diethyl phthalate	ND	0.17
2,4-Dimethylphenol	ND	0.17
Dimethyl phthalate	ND	0.17
4,6-Dinitro-2-methylphenol	ND	0.33
2,4-Dinitrophenol	ND	0.83
2,4-Dinitrotoluene	ND	0.033
2,6-Dinitrotoluene	ND	0.033
Di-n-butyl phthalate	ND	0.17
Di-n-octyl phthalate	ND	0.17
Fluoranthene	ND	0.033
Fluorene	ND	0.033
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.17
Hexachloroethane	ND	0.17
Indeno(1,2,3-cd)pyrene	ND	0.033
Isophorone	ND	0.17
2-Methylnaphthalene	ND	0.17
2-Methylphenol	ND	0.17
4-Methylphenol	ND	0.17
Naphthalene	ND	0.033
2-Nitroaniline	ND	0.17
3-Nitroaniline	ND	0.17
4-Nitroaniline	ND	0.17
2-Nitrophenol	ND	0.17
4-Nitrophenol	ND	0.33
Nitrobenzene	ND	0.033
N-Nitrosodi-n-propylamine	ND	0.033
N-Nitrosodimethylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
2, 2'-oxybis(1-Chloropropane)	ND	0.17
Pentachlorophenol	ND	0.067
Phenanthrene	ND	0.033
Phenol	ND	0.17
Pyrene	ND	0.033
Pyridine	ND	0.67
1,2,4-Trichlorobenzene	ND	0.17

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17070839

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102165

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
MB-102165-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	7/31/2017	7/31/2017	SVOC-7_170731A			3728587		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-Trichlorophenol

ND

0.17

2,4,6-Trichlorophenol

ND

0.17

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
LCS-102165-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	7/31/2017	7/31/2017		SVOC-7_170731A		3728589		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.419

0.033

1.667

0

85.1

37

134

0

0

4-Chloro-3-methylphenol

2.736

0.33

3.333

0

82.1

29

134

0

0

2-Chlorophenol

2.561

0.17

3.333

0

76.8

29

105

0

0

1,4-Dichlorobenzene

1.236

0.17

1.667

0

74.1

26

111

0

0

2,4-Dinitrotoluene

1.277

0.033

1.667

0

76.6

46

125

0

0

4-Nitrophenol

3.341

0.33

3.333

0

100

12

146

0

0

N-Nitrosodi-n-propylamine

1.361

0.033

1.667

0

81.6

29

109

0

0

Pentachlorophenol

2.705

0.067

3.333

0

81.2

10

192

0

0

Phenol

2.741

0.17

3.333

0

82.2

27

104

0

0

Pyrene

1.421

0.033

1.667

0

85.2

42

148

0

0

1,2,4-Trichlorobenzene

1.202

0.17

1.667

0

72.1

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17070839-007BMS	2531V-35-01 (5-9')	MS	mg/Kg-dry	SW8270C	7/31/2017	8/1/2017	SVOC-5_170731B				3727121	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.525

0.036

1.811

0

84.2

24

139

0

0

4-Chloro-3-methylphenol

3.16

0.36

3.62

0

87.3

28

121

0

0

2-Chlorophenol

2.751

0.18

3.62

0

76

21

102

0

0

1,4-Dichlorobenzene

1.421

0.18

1.811

0

78.5

27

95

0

0

2,4-Dinitrotoluene

1.275

0.036

1.811

0

70.4

32

127

0

0

4-Nitrophenol

3.974

0.36

3.62

0

110

10

156

0

0

N-Nitrosodi-n-propylamine

1.449

0.036

1.811

0

80

16

122

0

0

Pentachlorophenol

3.865

0.073

3.62

0

107

10

204

0

0

Phenol

2.771

0.18

3.62

0

76.5

20

103

0

0

Pyrene

1.564

0.036

1.811

0

86.4

10

184

0

0

1,2,4-Trichlorobenzene

1.57

0.18

1.811

0

86.7

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17070839-007BMSD	2531V-35-01 (5-9')	MSD	mg/Kg-dry	SW8270C	7/31/2017	8/1/2017	SVOC-5_170731B				3727122	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.503

0.036

1.811

0

83

24

139

1.525 1.45 57

4-Chloro-3-methylphenol

3.095

0.36

3.621

0

85.5

28

121

3.16 2.06 88

2-Chlorophenol

2.688

0.18

3.621

0

74.2

21

102

2.751 2.31 49

1,4-Dichlorobenzene

1.353

0.18

1.811

0

74.7

27

95

1.421 4.90 43

2,4-Dinitrotoluene

1.306

0.036

1.811

0

72.1

32

127

1.275 2.36 37

4-Nitrophenol

3.893

0.36

3.621

0

107

10

156

3.974 2.08 56

N-Nitrosodi-n-propylamine

1.409

0.036

1.811

0

77.8

16

122

1.449 2.83 47

Pentachlorophenol

3.678

0.073

3.621

0

102

10

204

3.865 4.96 47

Phenol

2.686

0.18

3.621

0

74.2

20

103

2.771 3.11 66

Pyrene

1.517

0.036

1.811

0

83.7

10

184

1.564 3.07 51

1,2,4-Trichlorobenzene

1.517

0.18

1.811

0

83.8

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT
GCMS Semivolatiles
BatchID: 102169

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-102169-SVOC			0.03	0	0	1	33.333	7/31/2017	7/31/2017
LCS-102169-SVOC			0.03	0	0	1	33.333	7/31/2017	7/31/2017
17070839-020B	Soil		0.0301	0	0	1	33.223	7/31/2017	7/31/2017
17070839-021B	Soil		0.0301	0	0	1	33.223	7/31/2017	7/31/2017
17070839-022B	Soil		0.03027	0	0	1	33.036	7/31/2017	7/31/2017
17070845-001B	Soil		0.03002	0	0	1	33.311	7/31/2017	7/31/2017
17070861-001B	Soil		0.03021	0	0	1	33.102	7/31/2017	7/31/2017
17070861-002B	Soil		0.03001	0	0	1	33.322	7/31/2017	7/31/2017
17070861-003B	Soil		0.03039	0	0	1	32.906	7/31/2017	7/31/2017
17070879-002B	Soil		0.03018	0	0	1	33.135	7/31/2017	7/31/2017
17070879-003B	Soil		0.03064	0	0	1	32.637	7/31/2017	7/31/2017
17070879-005B	Soil		0.03022	0	0	1	33.091	7/31/2017	7/31/2017
17070879-008B	Soil		0.03004	0	0	1	33.289	7/31/2017	7/31/2017
17070879-010B	Soil		0.03009	0	0	1	33.234	7/31/2017	7/31/2017
17070879-011B	Soil		0.03046	0	0	1	32.830	7/31/2017	7/31/2017
17070879-014B	Soil		0.0301	0	0	1	33.223	7/31/2017	7/31/2017
17070880-001B	Soil		0.03002	0	0	1	33.311	7/31/2017	7/31/2017
17070880-002B	Soil		0.03044	0	0	1	32.852	7/31/2017	7/31/2017
17070880-003B	Soil		0.03021	0	0	1	33.102	7/31/2017	7/31/2017
17070880-004B	Soil		0.03001	0	0	1	33.322	7/31/2017	7/31/2017
17070880-005B	Soil		0.03036	0	0	1	32.938	7/31/2017	7/31/2017
17070880-006B	Soil		0.03002	0	0	1	33.311	7/31/2017	7/31/2017
17070839-021BMS	Soil		0.0301	0	0	1	33.223	7/31/2017	7/31/2017
17070839-021BMSD	Soil		0.0301	0	0	1	33.223	7/31/2017	7/31/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102169-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	7/31/2017	8/1/2017	SVOC-5_170801A				3727321	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene		ND	0.033									
Acenaphthylene		ND	0.033									
Aniline		ND	0.33									
Anthracene		ND	0.033									
Benz(a)anthracene		ND	0.033									
Benzidine		ND	0.33									
Benzo(a)pyrene		ND	0.033									
Benzo(b)fluoranthene		ND	0.033									
Benzo(g,h,i)perylene		ND	0.033									
Benzo(k)fluoranthene		ND	0.033									
Benzoic acid		ND	0.83									
Benzyl alcohol		ND	0.17									
Bis(2-chloroethoxy)methane		ND	0.17									
Bis(2-chloroethyl)ether		ND	0.17									
Bis(2-ethylhexyl)phthalate		ND	0.83									
4-Bromophenyl phenyl ether		ND	0.17									
Butyl benzyl phthalate		ND	0.17									
Carbazole		ND	0.17									
4-Chloroaniline		ND	0.17									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102169

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102169-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	7/31/2017	8/1/2017	SVOC-5_170801A				3727321	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33
2-Chloronaphthalene	ND	0.17
2-Chlorophenol	ND	0.17
4-Chlorophenyl phenyl ether	ND	0.17
Chrysene	ND	0.033
Dibenz(a,h)anthracene	ND	0.033
Dibenzofuran	ND	0.17
1,2-Dichlorobenzene	ND	0.17
1,3-Dichlorobenzene	ND	0.17
1,4-Dichlorobenzene	ND	0.17
3,3'-Dichlorobenzidine	ND	0.17
2,4-Dichlorophenol	ND	0.17
Diethyl phthalate	ND	0.17
2,4-Dimethylphenol	ND	0.17
Dimethyl phthalate	ND	0.17
4,6-Dinitro-2-methylphenol	ND	0.33
2,4-Dinitrophenol	ND	0.83
2,4-Dinitrotoluene	ND	0.033
2,6-Dinitrotoluene	ND	0.033
Di-n-butyl phthalate	ND	0.17
Di-n-octyl phthalate	ND	0.17
Fluoranthene	ND	0.033
Fluorene	ND	0.033
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.17
Hexachloroethane	ND	0.17
Indeno(1,2,3-cd)pyrene	ND	0.033
Isophorone	ND	0.17
2-Methylnaphthalene	ND	0.17
2-Methylphenol	ND	0.17
4-Methylphenol	ND	0.17
Naphthalene	ND	0.033
2-Nitroaniline	ND	0.17
3-Nitroaniline	ND	0.17
4-Nitroaniline	ND	0.17
2-Nitrophenol	ND	0.17
4-Nitrophenol	ND	0.33
Nitrobenzene	ND	0.033
N-Nitrosodi-n-propylamine	ND	0.033
N-Nitrosodimethylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
2, 2'-oxybis(1-Chloropropane)	ND	0.17
Pentachlorophenol	ND	0.067
Phenanthrene	ND	0.033
Phenol	ND	0.17
Pyrene	ND	0.033
Pyridine	ND	0.67
1,2,4-Trichlorobenzene	ND	0.17

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17070839

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102169

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102169-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	7/31/2017	8/1/2017	SVOC-5_170801A				3727321	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-Trichlorophenol

ND

0.17

2,4,6-Trichlorophenol

ND

0.17

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
LCS-102169-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	7/31/2017	8/1/2017		SVOC-5_170801A		3727379		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.634

0.033

1.667

0

98

37

134

0

0

4-Chloro-3-methylphenol

3.481

0.33

3.333

0

104

29

134

0

0

2-Chlorophenol

3.03

0.17

3.333

0

90.9

29

105

0

0

1,4-Dichlorobenzene

1.531

0.17

1.667

0

91.8

26

111

0

0

2,4-Dinitrotoluene

1.587

0.033

1.667

0

95.2

46

125

0

0

4-Nitrophenol

4.722

0.33

3.333

0

142

12

146

0

0

N-Nitrosodi-n-propylamine

1.757

0.033

1.667

0

105

29

109

0

0

Pentachlorophenol

4.097

0.067

3.333

0

123

10

192

0

0

Phenol

3.204

0.17

3.333

0

96.1

27

104

0

0

Pyrene

1.734

0.033

1.667

0

104

42

148

0

0

1,2,4-Trichlorobenzene

1.687

0.17

1.667

0

101

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17070839-021BMS	2531V-DUP-01	MS	mg/Kg-dry	SW8270C	7/31/2017	8/1/2017	SVOC-5_170801A			3728480		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.341

0.034

1.739

0

77.1

24

139

0

0

4-Chloro-3-methylphenol

2.717

0.34

3.476

0

78.2

28

121

0

0

2-Chlorophenol

2.18

0.18

3.476

0

62.7

21

102

0

0

1,4-Dichlorobenzene

1.072

0.18

1.739

0

61.7

27

95

0

0

2,4-Dinitrotoluene

1.297

0.034

1.739

0

74.6

32

127

0

0

4-Nitrophenol

3.832

0.34

3.476

0

110

10

156

0

0

N-Nitrosodi-n-propylamine

1.159

0.034

1.739

0

66.7

16

122

0

0

Pentachlorophenol

3.427

0.070

3.476

0

98.6

10

204

0

0

Phenol

2.239

0.18

3.476

0

64.4

20

103

0

0

Pyrene

1.433

0.034

1.739

0

82.4

10

184

0

0

1,2,4-Trichlorobenzene

1.171

0.18

1.739

0

67.3

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17070839-021BMSD	2531V-DUP-01	MSD	mg/Kg-dry	SW8270C	7/31/2017	8/1/2017	SVOC-5_170801A				3728486	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.425

0.034

1.739

0

81.9

24

139

1.341

6.08

57

4-Chloro-3-methylphenol

2.92

0.34

3.476

0

84

28

121

2.717

7.19

88

2-Chlorophenol

2.444

0.18

3.476

0

70.3

21

102

2.18

11.4

49

1,4-Dichlorobenzene

1.207

0.18

1.739

0

69.4

27

95

1.072

11.8

43

2,4-Dinitrotoluene

1.358

0.034

1.739

0

78.1

32

127

1.297

4.58

37

4-Nitrophenol

4.021

0.34

3.476

0

116

10

156

3.832

4.83

56

N-Nitrosodi-n-propylamine

1.287

0.034

1.739

0

74

16

122

1.159

10.5

47

Pentachlorophenol

3.616

0.070

3.476

0

104

10

204

3.427

5.39

47

Phenol

2.482

0.18

3.476

0

71.4

20

103

2.239

10.3

66

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102210

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS2 8/1/17			1.2	0	0	50	41.667	8/1/2017	8/1/2017
ILCSS2 8/1/17			1.2	0	0	50	41.667	8/1/2017	8/1/2017
17070917-001B	Soil		1.117	0	0	50	44.763	8/1/2017	8/1/2017
17070917-001BMS	Soil		1.111	0	0	50	45.005	8/1/2017	8/1/2017
17070917-001BMSD	Soil		1.113	0	0	50	44.924	8/1/2017	8/1/2017
17070917-002B	Soil		1.186	0	0	50	42.159	8/1/2017	8/1/2017
17070917-003B	Soil		1.167	0	0	50	42.845	8/1/2017	8/1/2017
17070780-001B	Soil		1.137	0	0	50	43.975	8/1/2017	8/1/2017
17070780-002B	Soil		1.146	0	0	50	43.630	8/1/2017	8/1/2017
17070780-003B	Soil		1.122	0	0	50	44.563	8/1/2017	8/1/2017
17070780-004B	Soil		1.158	0	0	50	43.178	8/1/2017	8/1/2017
17070780-005B	Soil		1.125	0	0	50	44.444	8/1/2017	8/1/2017
17070780-007B	Soil		1.128	0	0	50	44.326	8/1/2017	8/1/2017
17070820-001B	Soil		1.142	0	0	50	43.783	8/1/2017	8/1/2017
17070768-001A	Paint Chips		0.1297	0	0	50	385.505	8/1/2017	8/1/2017
17070768-002A	Paint Chips		0.1161	0	0	50	430.663	8/1/2017	8/1/2017
17070768-003A	Paint Chips		0.2038	0	0	50	245.339	8/1/2017	8/1/2017
17070839-021B	Soil		1.153	0	0	50	43.365	8/1/2017	8/1/2017
17070839-022B	Soil		1.184	0	0	50	42.230	8/1/2017	8/1/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBS2 8/1/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/1/2017	8/1/2017	ICPMS-3_170801B				3728101	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		ND	8.3									
Antimony		ND	0.83									
Arsenic		ND	0.42									
Barium		ND	0.42									
Beryllium		ND	0.21									
Cadmium		ND	0.21									
Calcium		ND	25									
Chromium		ND	0.42									
Cobalt		ND	0.42									
Copper		ND	1.0									
Iron		ND	12									
Lead		ND	0.21									
Magnesium		ND	12									
Manganese		ND	0.42									
Nickel		ND	0.42									
Potassium		ND	12									
Selenium		ND	0.42									
Silver		ND	0.42									
Sodium		36.34	50									J
Thallium		ND	0.42									
Vanadium		0.2595	0.42									J
Zinc		ND	2.1									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17070839

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102210

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
ILCSS2 8/1/17	ZZZZZ	LCS	mg/Kg	SW6020	8/1/2017	8/1/2017	ICPMS-3_170801B				3728104
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	19.99	8.3	20.83	0	95.9	80	120	0	0		
Antimony	10.04	0.83	10.42	0	96.4	80	120	0	0		
Arsenic	20.47	0.42	20.83	0	98.3	80	120	0	0		
Barium	19.33	0.42	20.83	0	92.8	80	120	0	0		
Beryllium	20.47	0.21	20.83	0	98.3	80	120	0	0		
Cadmium	19.85	0.21	20.83	0	95.3	80	120	0	0		
Calcium	86	25	83.33	0	103	80	120	0	0		
Chromium	20.83	0.42	20.83	0	100	80	120	0	0		
Cobalt	20.76	0.42	20.83	0	99.7	80	120	0	0		
Copper	18.96	1.0	20.83	0	91	80	120	0	0		
Iron	85.92	12	83.33	0	103	80	120	0	0		
Lead	22.32	0.21	20.83	0	107	80	120	0	0		
Magnesium	80.68	12	83.33	0	96.8	80	120	0	0		
Manganese	19.7	0.42	20.83	0	94.5	80	120	0	0		
Nickel	20.77	0.42	20.83	0	99.7	80	120	0	0		
Potassium	77.25	12	83.33	0	92.7	80	120	0	0		
Selenium	20.21	0.42	20.83	0	97	80	120	0	0		
Silver	7.838	0.42	8.333	0	94.1	80	120	0	0		
Sodium	115.2	50	83.33	36.34	94.6	80	120	0	0		
Thallium	20.35	0.42	20.83	0	97.7	80	120	0	0		
Vanadium	19.65	0.42	20.83	0.2595	93.1	80	120	0	0		
Zinc	20.29	2.1	20.83	0	97.4	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
17070917-001BMS	ZZZZZ	MS	mg/Kg-dry	SW6020	8/1/2017	8/1/2017	ICPMS-3_170801B				3728108
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	5382	19	23.43	4391	4230	75	125	0	0		SE
Antimony	3.832	1.9	11.71	0	32.7	75	125	0	0		S
Arsenic	27.3	0.94	23.43	2.418	106	75	125	0	0		
Barium	65.93	0.94	23.43	42.28	101	75	125	0	0		
Beryllium	25.62	0.47	23.43	0.1779	109	75	125	0	0		
Cadmium	25.3	0.47	23.43	0.7211	105	75	125	0	0		
Calcium	3226	56	93.71	2530	743	75	125	0	0		S
Chromium	28.95	0.94	23.43	8.124	88.9	75	125	0	0		
Cobalt	24.67	0.94	23.43	1.584	98.5	75	125	0	0		
Copper	32.75	2.3	23.43	9.291	100	75	125	0	0		
Iron	5694	28	93.71	4897	851	75	125	0	0		SE
Lead	91.15	0.47	23.43	69.82	91.1	75	125	0	0		
Magnesium	1856	28	93.71	1430	455	75	125	0	0		S
Manganese	199.3	0.94	23.43	135.7	272	75	125	0	0		S
Nickel	29.27	0.94	23.43	4.274	107	75	125	0	0		
Potassium	340	28	93.71	186.6	164	75	125	0	0		S
Selenium	23.93	0.94	23.43	0	102	75	125	0	0		
Silver	9.26	0.94	9.371	0.03771	98.4	75	125	0	0		
Sodium	321.9	56	93.71	198.7	132	75	125	0	0		S
Thallium	24.62	0.94	23.43	0.06916	105	75	125	0	0		
Vanadium	31.83	0.94	23.43	7.597	103	75	125	0	0		
Zinc	71.84	4.7	23.43	36.63	150	75	125	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17070839

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102210

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17070917-001BMSD	ZZZZZ	MSD	mg/Kg-dry	SW6020	8/1/2017	8/1/2017	ICPMS-3_170801B				3728109	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		5351	19	23.39	4391	4110	75	125	5382	0.571	20	SE
Antimony		4.005	1.9	11.69	0	34.3	75	125	3.832	4.41	20	S
Arsenic		26.37	0.94	23.39	2.418	102	75	125	27.3	3.47	20	
Barium		66.21	0.94	23.39	42.28	102	75	125	65.93	0.426	20	
Beryllium		23.97	0.47	23.39	0.1779	102	75	125	25.62	6.64	20	
Cadmium		24.04	0.47	23.39	0.7211	99.7	75	125	25.3	5.09	20	
Calcium		2881	56	93.54	2530	376	75	125	3226	11.3	20	S
Chromium		30.24	0.94	23.39	8.124	94.6	75	125	28.95	4.34	20	
Cobalt		24.03	0.94	23.39	1.584	96	75	125	24.67	2.64	20	
Copper		33.83	2.3	23.39	9.291	105	75	125	32.75	3.25	20	
Iron		6046	28	93.54	4897	1230	75	125	5694	5.99	20	SE
Magnesium		1708	28	93.54	1430	297	75	125	1856	8.32	20	S
Manganese		172.2	0.94	23.39	135.7	156	75	125	199.3	14.6	20	S
Nickel		28.91	0.94	23.39	4.274	105	75	125	29.27	1.24	20	
Potassium		341.1	28	93.54	186.6	165	75	125	340	0.332	20	S
Selenium		22.85	0.94	23.39	0	97.7	75	125	23.93	4.62	20	
Silver		8.837	0.94	9.354	0.03771	94.1	75	125	9.26	4.67	20	
Sodium		311.7	56	93.54	198.7	121	75	125	321.9	3.23	20	
Thallium		23.54	0.94	23.39	0.06916	100	75	125	24.62	4.49	20	
Vanadium		31.31	0.94	23.39	7.597	101	75	125	31.83	1.63	20	
Zinc		67.31	4.7	23.39	36.63	131	75	125	71.84	6.51	20	S

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17070917-001BMSD	ZZZZZ	MSD	mg/Kg-dry	SW6020	8/1/2017	8/4/2017	ICPMS-3_170804A				3731077	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead		95.77	0.47	23.39	69.82	111	75	125	91.15	4.94	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102215

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS3 8/1/17			1.2	0	0	50	41.667	8/1/2017	8/1/2017
ILCSS3 8/1/17			1.2	0	0	50	41.667	8/1/2017	8/1/2017
17070839-001B	Soil		1.12	0	0	50	44.643	8/1/2017	8/1/2017
17070839-002B	Soil		1.198	0	0	50	41.736	8/1/2017	8/1/2017
17070839-003B	Soil		1.15	0	0	50	43.478	8/1/2017	8/1/2017
17070839-004B	Soil		1.192	0	0	50	41.946	8/1/2017	8/1/2017
17070839-005B	Soil		1.161	0	0	50	43.066	8/1/2017	8/1/2017
17070839-006B	Soil		1.144	0	0	50	43.706	8/1/2017	8/1/2017
17070839-007B	Soil		1.107	0	0	50	45.167	8/1/2017	8/1/2017
17070839-008B	Soil		1.103	0	0	50	45.331	8/1/2017	8/1/2017
17070839-009B	Soil		1.158	0	0	50	43.178	8/1/2017	8/1/2017
17070839-010B	Soil		1.114	0	0	50	44.883	8/1/2017	8/1/2017
17070839-011B	Soil		1.139	0	0	50	43.898	8/1/2017	8/1/2017
17070839-012B	Soil		1.1	0	0	50	45.455	8/1/2017	8/1/2017
17070839-013B	Soil		1.149	0	0	50	43.516	8/1/2017	8/1/2017
17070839-014B	Soil		1.115	0	0	50	44.843	8/1/2017	8/1/2017
17070839-015B	Soil		1.198	0	0	50	41.736	8/1/2017	8/1/2017
17070839-016B	Soil		1.198	0	0	50	41.736	8/1/2017	8/1/2017
17070839-017B	Soil		1.114	0	0	50	44.883	8/1/2017	8/1/2017
17070839-018B	Soil		1.143	0	0	50	43.745	8/1/2017	8/1/2017
17070839-019B	Soil		1.127	0	0	50	44.366	8/1/2017	8/1/2017
17070839-020B	Soil		1.128	0	0	50	44.326	8/1/2017	8/1/2017
17070839-001BMS	Soil		1.121	0	0	50	44.603	8/1/2017	8/1/2017
17070839-001BMSD	Soil		1.12	0	0	50	44.643	8/1/2017	8/1/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBS3 8/1/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/1/2017	8/2/2017	ICPMS-3_170801B				3728135	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		ND	8.3									
Antimony		ND	0.83									
Arsenic		ND	0.42									
Barium		ND	0.42									
Beryllium		ND	0.21									
Cadmium		ND	0.21									
Calcium		ND	25									
Chromium		ND	0.42									
Cobalt		ND	0.42									
Copper		ND	1.0									
Iron		ND	12									
Lead		0.1616	0.21									J
Magnesium		ND	12									
Manganese		ND	0.42									
Nickel		ND	0.42									
Potassium		ND	12									
Selenium		ND	0.42									
Silver		ND	0.42									
Sodium		ND	25									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17070839

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102215

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBS3 8/1/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/1/2017	8/2/2017	ICPMS-3_170801B				3728135	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Thallium	ND	0.42									
Vanadium	0.1368	0.42									J
Zinc	ND	2.1									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
ILCSS3 8/1/17	ZZZZZ	LCS	mg/Kg	SW6020	8/1/2017	8/2/2017	ICPMS-3_170801B				3728136	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum	20.77	8.3	20.83	0	99.7	80	120	0	0		
Antimony	9.702	0.83	10.42	0	93.1	80	120	0	0		
Arsenic	20.2	0.42	20.83	0	96.9	80	120	0	0		
Barium	18.7	0.42	20.83	0	89.7	80	120	0	0		
Beryllium	19.82	0.21	20.83	0	95.1	80	120	0	0		
Cadmium	19.43	0.21	20.83	0	93.3	80	120	0	0		
Chromium	21.07	0.42	20.83	0	101	80	120	0	0		
Cobalt	21.26	0.42	20.83	0	102	80	120	0	0		
Copper	19.26	1.0	20.83	0	92.4	80	120	0	0		
Iron	90.28	12	83.33	0	108	80	120	0	0		
Lead	21.91	0.21	20.83	0.1616	104	80	120	0	0		
Magnesium	98.53	12	83.33	0	118	80	120	0	0		
Manganese	19.5	0.42	20.83	0	93.6	80	120	0	0		
Nickel	21.01	0.42	20.83	0	101	80	120	0	0		
Potassium	74.14	12	83.33	0	89	80	120	0	0		
Selenium	19.41	0.42	20.83	0	93.2	80	120	0	0		
Silver	7.312	0.42	8.333	0	87.7	80	120	0	0		
Sodium	89.78	25	83.33	0	108	80	120	0	0		
Thallium	20	0.42	20.83	0	96	80	120	0	0		
Vanadium	19.77	0.42	20.83	0.1368	94.2	80	120	0	0		
Zinc	20.43	2.1	20.83	0	98.1	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
ILCSS3 8/1/17	ZZZZZ	LCS	mg/Kg	SW6020	8/1/2017	8/4/2017	ICPMS-3_170804A				3731079	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Calcium	82.69	25	83.33	0	99.2	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17070839-001BMS	2531V-34-01 (0-5')	MS	mg/Kg-dry	SW6020	8/1/2017	8/4/2017		ICPMS-3_170804A		3731080		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum	12030	21	26.61	12920	-3340	75	125	0	0		SE
Antimony	1.416	2.1	13.31	0	10.6	75	125	0	0		JS
Arsenic	35.78	1.1	26.61	10.52	94.9	75	125	0	0		
Barium	85.07	1.1	26.61	67.64	65.5	75	125	0	0		S
Beryllium	27.68	0.53	26.61	0.7394	101	75	125	0	0		
Cadmium	26.15	0.53	26.61	0.2327	97.4	75	125	0	0		
Calcium	66360	64	106.5	57960	7890	75	125	0	0		SE
Chromium	45.03	1.1	26.61	18.35	100	75	125	0	0		
Cobalt	39.57	1.1	26.61	14.74	93.3	75	125	0	0		
Copper	48.55	2.7	26.61	22.93	96.3	75	125	0	0		
Iron	25880	32	106.5	25180	656	75	125	0	0		SE

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17070839

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102215

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17070839-001BMS	2531V-34-01 (0-5')	MS	mg/Kg-dry	SW6020	8/1/2017	8/4/2017	ICPMS-3_170804A				3731080	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead	42.79	0.53	26.61	17.16	96.3	75	125	0	0		
Magnesium	36610	32	106.5	32360	4000	75	125	0	0		S
Manganese	590.3	1.1	26.61	649.2	-221	75	125	0	0		S
Nickel	56.87	1.1	26.61	30.83	97.8	75	125	0	0		
Potassium	2104	32	106.5	2042	58	75	125	0	0		S
Selenium	24.52	1.1	26.61	0	92.1	75	125	0	0		
Silver	9.964	1.1	10.65	0.04853	93.1	75	125	0	0		
Sodium	1219	64	106.5	1061	149	75	125	0	0		S
Thallium	27.18	1.1	26.61	0.6431	99.7	75	125	0	0		
Vanadium	49.23	1.1	26.61	23.79	95.6	75	125	0	0		
Zinc	94.58	5.3	26.61	63.91	115	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17070839-001BMSD	2531V-34-01 (0-5')	MSD	mg/Kg-dry	SW6020	8/1/2017	8/4/2017	ICPMS-3_170804A			3731081		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum	12360	21	26.64	12920	-2130	75	125	12030	2.65	20	SE
Antimony	1.175	2.1	13.32	0	8.82	75	125	1.416	0	20	JS
Arsenic	35.51	1.1	26.64	10.52	93.8	75	125	35.78	0.755	20	
Barium	88	1.1	26.64	67.64	76.4	75	125	85.07	3.38	20	
Beryllium	27.81	0.53	26.64	0.7394	102	75	125	27.68	0.475	20	
Cadmium	26.13	0.53	26.64	0.2327	97.2	75	125	26.15	0.0431	20	
Calcium	63570	64	106.5	57960	5260	75	125	66360	4.29	20	SE
Chromium	45.26	1.1	26.64	18.35	101	75	125	45.03	0.505	20	
Cobalt	37.43	1.1	26.64	14.74	85.2	75	125	39.57	5.56	20	
Copper	49.18	2.7	26.64	22.93	98.5	75	125	48.55	1.29	20	
Iron	26020	32	106.5	25180	785	75	125	25880	0.534	20	SE
Lead	42.83	0.53	26.64	17.16	96.4	75	125	42.79	0.106	20	
Magnesium	36650	32	106.5	32360	4030	75	125	36610	0.0965	20	S
Manganese	581.1	1.1	26.64	649.2	-255	75	125	590.3	1.57	20	S
Nickel	56.12	1.1	26.64	30.83	94.9	75	125	56.87	1.32	20	
Potassium	2104	32	106.5	2042	57.9	75	125	2104	0.00327	20	S
Selenium	24.47	1.1	26.64	0	91.9	75	125	24.52	0.193	20	
Silver	9.938	1.1	10.65	0.04853	92.8	75	125	9.964	0.260	20	
Sodium	1228	64	106.5	1061	156	75	125	1219	0.681	20	S
Thallium	27.13	1.1	26.64	0.6431	99.4	75	125	27.18	0.182	20	
Vanadium	49.67	1.1	26.64	23.79	97.2	75	125	49.23	0.886	20	
Zinc	92.42	5.3	26.64	63.91	107	75	125	94.58	2.31	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17070839	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102178

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 7/31/17			50	0	0	50	1.000	7/31/2017	7/31/2017
ILCSW1 7/31/17			50	0	0	50	1.000	7/31/2017	7/31/2017
IMBSPLP 7/28/17			50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-001B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-002B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-003B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-004B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-004BMS	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-004BMSD	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-005B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-006B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-007B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-008B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-009B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-010B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-011B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-012B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-013B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-014B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-015B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-016B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-017B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-018B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-019B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-020B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17070839-004BMS	2531V-34-02 (7-14'	MS	mg/L	SW1312/6020	7/31/2017	8/1/2017	ICPMS-3_170731B			3726272		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		0.5288	0.0040	0.5	0	106	75	125	0	0		
Barium		0.5457	0.020	0.5	0.04565	100	75	125	0	0		
Beryllium		0.5199	0.0020	0.5	0	104	75	125	0	0		
Cadmium		0.5263	0.0020	0.5	0	105	75	125	0	0		
Chromium		0.5526	0.0040	0.5	0.001193	110	75	125	0	0		
Cobalt		0.555	0.0040	0.5	0	111	75	125	0	0		
Copper		0.5512	0.040	0.5	0	110	75	125	0	0		
Iron		2.177	0.10	2	0.03283	107	75	125	0	0		
Lead		0.5436	0.0020	0.5	0	109	75	125	0	0		
Manganese		0.5527	0.0040	0.5	0.0007748	110	75	125	0	0		
Nickel		0.5438	0.0040	0.5	0.0004868	109	75	125	0	0		
Selenium		0.5037	0.0040	0.5	0	101	75	125	0	0		
Silver		0.201	0.0040	0.2	0	101	75	125	0	0		
Zinc		0.5509	0.020	0.5	0.007974	109	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17070839

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102178

Sample ID: 17070839-004BMSD	Customer ID: 2531V-34-02 (7-14'	SampType: MSD	Units: mg/L	TestNo: SW1312/6020	Prep Date: 7/31/2017	Analysis Date: 8/1/2017	Run ID: ICPMS-3_170731B				SeqNo: 3726273		
Analyte		Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.505	0.0040	0.5	0	101	75	125	0.5288	4.62	20	
Barium	0.5258	0.020	0.5	0.04565	96	75	125	0.5457	3.72	20	
Beryllium	0.5028	0.0020	0.5	0	101	75	125	0.5199	3.35	20	
Cadmium	0.5015	0.0020	0.5	0	100	75	125	0.5263	4.82	20	
Chromium	0.5225	0.0040	0.5	0.001193	104	75	125	0.5526	5.60	20	
Cobalt	0.525	0.0040	0.5	0	105	75	125	0.555	5.56	20	
Copper	0.5247	0.040	0.5	0	105	75	125	0.5512	4.93	20	
Iron	2.064	0.10	2	0.03283	102	75	125	2.177	5.30	20	
Lead	0.5189	0.0020	0.5	0	104	75	125	0.5436	4.64	20	
Manganese	0.5173	0.0040	0.5	0.0007748	103	75	125	0.5527	6.63	20	
Nickel	0.515	0.0040	0.5	0.0004868	103	75	125	0.5438	5.46	20	
Selenium	0.4855	0.0040	0.5	0	97.1	75	125	0.5037	3.70	20	
Silver	0.1945	0.0040	0.2	0	97.2	75	125	0.201	3.30	20	
Zinc	0.5309	0.020	0.5	0.007974	105	75	125	0.5509	3.71	20	

Sample ID: IMBW1 7/31/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW6020	Prep Date: 7/31/2017	Analysis Date: 8/1/2017	Run ID: ICPMS-3_170731B				SeqNo: 3726265	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.001678	0.0040									J
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	0.0006322	0.0040									J
Cobalt	ND	0.0040									
Copper	ND	0.010									
Iron	ND	0.10									
Lead	ND	0.0020									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Selenium	ND	0.0040									
Silver	ND	0.0040									
Zinc	ND	0.020									

Sample ID: ILCSW1 7/31/17	Customer ID: ZZZZZ	SampType: LCS	Units: mg/L	TestNo: SW6020	Prep Date: 7/31/2017	Analysis Date: 8/1/2017	Run ID: ICPMS-3_170731B			SeqNo: 3726266		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5266	0.0040	0.5	0.001678	105	80	120	0	0		
Barium	0.4819	0.0040	0.5	0	96.4	80	120	0	0		
Beryllium	0.4928	0.0020	0.5	0	98.6	80	120	0	0		
Cadmium	0.5187	0.0020	0.5	0	104	80	120	0	0		
Chromium	0.549	0.0040	0.5	0.0006322	110	80	120	0	0		
Cobalt	0.548	0.0040	0.5	0	110	80	120	0	0		
Copper	0.5455	0.010	0.5	0	109	80	120	0	0		
Iron	2.135	0.10	2	0	107	80	120	0	0		
Lead	0.521	0.0020	0.5	0	104	80	120	0	0		
Manganese	0.5526	0.0040	0.5	0	111	80	120	0	0		
Nickel	0.543	0.0040	0.5	0	109	80	120	0	0		
Selenium	0.5088	0.0040	0.5	0	102	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17070839	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102178

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
ILCSW1 7/31/17	ZZZZZ	LCS	mg/L	SW6020	7/31/2017	8/1/2017	ICPMS-3_170731B				3726266	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Silver		0.1967	0.0040	0.2	0	98.4	80	120	0	0		
Zinc		0.5415	0.020	0.5	0	108	80	120	0	0		

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17070839	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102183

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW2 7/31/17			50	0	0	50	1.000	7/31/2017	7/31/2017
ILCSW2 7/31/17			50	0	0	50	1.000	7/31/2017	7/31/2017
IMBSPLP 7/28/17			50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-021B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-022B	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-021BMS	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070839-021BMSD	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
IMBTA1 7/28/17			50	0	0	50	1.000	7/31/2017	7/31/2017
17070858-001A	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070858-001AMS	Soil		50	0	0	50	1.000	7/31/2017	7/31/2017
17070850-002A	Solid		50	0	0	50	1.000	7/31/2017	7/31/2017
17070848-001A	Liquid		50	0	0	50	1.000	7/31/2017	7/31/2017
IMBTC 7/28/17			50	0	0	50	1.000	7/31/2017	7/31/2017
IMBTB 7/31/17			50	0	0	50	1.000	8/1/2017	8/1/2017
17070827-001A	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17070827-002A	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17070829-001A	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17070829-003A	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17070829-004A	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17070829-005A	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17070829-005AMS	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
IMBSPLP 7/28/17	ZZZZZ	MBLK	mg/L	SW1312/6020	7/31/2017	7/31/2017		ICPMS-3_170731B		3726238		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040									
Barium	0.004167	0.020									J
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	0.000814	0.0040									J
Cobalt	ND	0.0040									
Copper	ND	0.020									
Iron	ND	0.10									
Lead	0.0004939	0.0020									J
Manganese	ND	0.0040									
Nickel	ND	0.0080									
Selenium	ND	0.0040									
Silver	ND	0.0040									
Zinc	0.005495	0.020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17070839-021BMS	2531V-DUP-01	MS	mg/L	SW1312/6020	7/31/2017	7/31/2017	ICPMS-3_170731B				3726242	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5259	0.0040	0.5	0.003671	104	75	125	0	0		
Barium	0.5129	0.020	0.5	0.02526	97.5	75	125	0	0		
Beryllium	0.5002	0.0020	0.5	0	100	75	125	0	0		
Cadmium	0.5376	0.0020	0.5	0	108	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17070839

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102183

Sample ID: 17070839-021BMS	Customer ID: 2531V-DUP-01	SampType: MS	Units: mg/L	TestNo: SW1312/6020	Prep Date: 7/31/2017	Analysis Date: 7/31/2017	Run ID: ICPMS-3_170731B				SeqNo: 3726242	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chromium	0.5561	0.0040	0.5	0.004647	110	75	125	0	0		
Cobalt	0.5544	0.0040	0.5	0.001057	111	75	125	0	0		
Copper	0.5771	0.020	0.5	0.0211	111	75	125	0	0		
Iron	7.022	0.10	2	4.429	130	75	125	0	0		S
Lead	0.5229	0.0020	0.5	0.002965	104	75	125	0	0		
Manganese	0.5808	0.0040	0.5	0.03354	109	75	125	0	0		
Nickel	0.5508	0.0080	0.5	0.00378	109	75	125	0	0		
Selenium	0.4871	0.0040	0.5	0	97.4	75	125	0	0		
Silver	0.1914	0.0040	0.2	0	95.7	75	125	0	0		
Zinc	0.5727	0.020	0.5	0.02591	109	75	125	0	0		

Sample ID: 17070839-021BMSD	Customer ID: 2531V-DUP-01	SampType: MSD	Units: mg/L	TestNo: SW1312/6020	Prep Date: 7/31/2017	Analysis Date: 7/31/2017	Run ID: ICPMS-3_170731B			SeqNo: 3726243		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5013	0.0040	0.5	0.003671	99.5	75	125	0.5259	4.79	20	
Barium	0.499	0.020	0.5	0.02526	94.8	75	125	0.5129	2.75	20	
Beryllium	0.4848	0.0020	0.5	0	97	75	125	0.5002	3.12	20	
Cadmium	0.5078	0.0020	0.5	0	102	75	125	0.5376	5.70	20	
Chromium	0.5299	0.0040	0.5	0.004647	105	75	125	0.5561	4.82	20	
Cobalt	0.5286	0.0040	0.5	0.001057	106	75	125	0.5544	4.76	20	
Copper	0.5456	0.020	0.5	0.0211	105	75	125	0.5771	5.61	20	
Iron	6.724	0.10	2	4.429	115	75	125	7.022	4.33	20	
Lead	0.5131	0.0020	0.5	0.002965	102	75	125	0.5229	1.89	20	
Manganese	0.5929	0.0040	0.5	0.03354	112	75	125	0.5808	2.06	20	
Nickel	0.5257	0.0080	0.5	0.00378	104	75	125	0.5508	4.65	20	
Selenium	0.4708	0.0040	0.5	0	94.2	75	125	0.4871	3.39	20	
Silver	0.1882	0.0040	0.2	0	94.1	75	125	0.1914	1.65	20	
Zinc	0.5426	0.020	0.5	0.02591	103	75	125	0.5727	5.39	20	

Sample ID: IMBW2 7/31/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW6020	Prep Date: 7/31/2017	Analysis Date: 7/31/2017	Run ID: ICPMS-3_170731B				SeqNo: 3726230	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.001213	0.0040									J
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	ND	0.0040									
Cobalt	ND	0.0040									
Copper	ND	0.010									
Iron	ND	0.10									
Lead	ND	0.0020									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Selenium	ND	0.0040									
Silver	ND	0.0040									
Zinc	ND	0.020									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17070839

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102183

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBSPLP 7/28/17	ZZZZZ	MBLK	mg/L	SW6020	7/31/2017	8/1/2017	ICPMS-3_170731B				3726267	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.001591	0.0040									J
Barium	0.004778	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	0.001342	0.0040									J
Cobalt	ND	0.0040									
Copper	ND	0.010									
Iron	ND	0.10									
Lead	ND	0.0020									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Selenium	ND	0.0040									
Silver	ND	0.0040									
Zinc	0.00468	0.020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
ILCSW2 7/31/17	ZZZZZ	LCS	mg/L	SW6020	7/31/2017	7/31/2017		ICPMS-3_170731B		3726231		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5162	0.0040	0.5	0.001213	103	80	120	0	0		
Barium	0.4744	0.0040	0.5	0	94.9	80	120	0	0		
Beryllium	0.5094	0.0020	0.5	0	102	80	120	0	0		
Cadmium	0.5205	0.0020	0.5	0	104	80	120	0	0		
Chromium	0.5379	0.0040	0.5	0	108	80	120	0	0		
Cobalt	0.5411	0.0040	0.5	0	108	80	120	0	0		
Copper	0.543	0.010	0.5	0	109	80	120	0	0		
Iron	2.081	0.10	2	0	104	80	120	0	0		
Lead	0.5186	0.0020	0.5	0	104	80	120	0	0		
Manganese	0.5323	0.0040	0.5	0	106	80	120	0	0		
Nickel	0.538	0.0040	0.5	0	108	80	120	0	0		
Selenium	0.4928	0.0040	0.5	0	98.6	80	120	0	0		
Silver	0.1966	0.0040	0.2	0	98.3	80	120	0	0		
Zinc	0.5395	0.020	0.5	0	108	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102212

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 8/1/17			50	0	0	50	1.000	8/1/2017	8/1/2017
ILCSW1 8/1/17			50	0	0	50	1.000	8/1/2017	8/1/2017
IMBTA1 7/31/17			50	0	0	50	1.000	8/1/2017	8/1/2017
17070890-001B	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17070893-001A	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17070893-001AMS	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17070893-001AMSD	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17070894-001A	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17070839-020B	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17070839-021B	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17070839-022B	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17070931-002A	Solid		50	0	0	50	1.000	8/1/2017	8/1/2017
17070827-003A	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17070829-002A	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17070829-006A	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17070162-005B	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17070162-007B	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17060645-001B	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017
17060645-002B	Soil		50	0	0	50	1.000	8/1/2017	8/1/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBTA1 7/31/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/1/2017	8/1/2017	ICPMS-3_170801B				3728082	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.010										
Barium	0.1445	0.050										
Beryllium	ND	0.0050										
Cadmium	ND	0.0050										
Chromium	0.001641	0.010										J
Cobalt	ND	0.010										
Copper	ND	0.10										
Iron	ND	0.25										
Lead	0.0009584	0.0050										J
Manganese	ND	0.010										
Nickel	0.003674	0.020										J
Selenium	ND	0.010										
Silver	ND	0.010										
Zinc	0.04181	0.050										J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17070893-001AMS	ZZZZZ	MS	mg/L	SW1311/6020	8/1/2017	8/1/2017	ICPMS-3_170801B			3728087		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5234	0.010	0.5	0	105	75	125	0	0		
Barium	0.9463	0.050	0.5	0.3957	110	75	125	0	0		
Beryllium	0.5335	0.0050	0.5	0	107	75	125	0	0		
Cadmium	0.4918	0.0050	0.5	0	98.4	75	125	0	0		
Chromium	0.5363	0.010	0.5	0.02745	102	75	125	0	0		
Cobalt	0.5327	0.010	0.5	0.03496	99.6	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17070839

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102212

Sample ID: 17070893-001AMS	Customer ID: ZZZZZ	SampType: MS	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/1/2017	Analysis Date: 8/1/2017	Run ID: ICPMS-3_170801B			SeqNo: 3728087		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper	0.4533	0.10	0.5	0	90.7	75	125	0	0			
Iron	188	0.25	2	184.1	194	75	125	0	0			SE
Lead	0.601	0.0050	0.5	0.04291	112	75	125	0	0			
Manganese	6.18	0.010	0.5	5.64	108	75	125	0	0			
Nickel	0.621	0.020	0.5	0.136	97	75	125	0	0			
Selenium	0.5198	0.010	0.5	0	104	75	125	0	0			
Silver	0.1801	0.010	0.2	0	90.1	75	125	0	0			
Zinc	558.9	0.050	0.5	553.2	1140	75	125	0	0			SE

Sample ID: 17070893-001AMSD	Customer ID: ZZZZZ	SampType: MSD	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/1/2017	Analysis Date: 8/2/2017	Run ID: ICPMS-3_170802A			SeqNo: 3729093		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5003	0.010	0.5	0	100	75	125	0.5234	4.51	20		
Barium	0.8292	0.050	0.5	0.3957	86.7	75	125	0.9463	13.2	20		
Beryllium	0.5015	0.0050	0.5	0	100	75	125	0.5335	6.18	20		
Cadmium	0.4655	0.0050	0.5	0	93.1	75	125	0.4918	5.49	20		
Chromium	0.4913	0.010	0.5	0.02745	92.8	75	125	0.5363	8.75	20		
Cobalt	0.511	0.010	0.5	0.03496	95.2	75	125	0.5327	4.17	20		
Copper	0.4445	0.10	0.5	0	88.9	75	125	0.4533	1.97	20		
Iron	173.5	0.25	2	184.1	-527	75	125	188	7.98	20	SE	
Lead	0.5309	0.0050	0.5	0.04291	97.6	75	125	0.601	12.4	20		
Manganese	5.611	0.010	0.5	5.64	-5.81	75	125	6.18	9.65	20	S	
Nickel	0.5836	0.020	0.5	0.136	89.5	75	125	0.621	6.20	20		
Selenium	0.5005	0.010	0.5	0	100	75	125	0.5198	3.78	20		
Silver	0.1791	0.010	0.2	0	89.6	75	125	0.1801	0.557	20		
Zinc	487.6	0.050	0.5	553.2	-13100	75	125	558.9	13.6	20	SE	

Sample ID: IMBW1 8/1/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW6020	Prep Date: 8/1/2017	Analysis Date: 8/1/2017	Run ID: ICPMS-3_170801B			SeqNo: 3728080		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.001012	0.0040										J
Barium	ND	0.0040										
Beryllium	ND	0.0020										
Cadmium	ND	0.0020										
Chromium	0.0006268	0.0040										J
Cobalt	ND	0.0040										
Copper	ND	0.010										
Iron	ND	0.10										
Lead	0.0004836	0.0020										J
Manganese	ND	0.0040										
Nickel	0.003603	0.0040										J
Selenium	ND	0.0040										
Silver	ND	0.0040										
Zinc	0.01105	0.020										J

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17070839

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102212

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
ILCSW1 8/1/17	ZZZZZ	LCS	mg/L	SW6020	8/1/2017	8/1/2017	ICPMS-3_170801B				3728081	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		0.4953	0.0040	0.5	0.001012	98.9	80	120	0	0		
Barium		0.5077	0.0040	0.5	0	102	80	120	0	0		
Beryllium		0.4981	0.0020	0.5	0	99.6	80	120	0	0		
Cadmium		0.5028	0.0020	0.5	0	101	80	120	0	0		
Chromium		0.522	0.0040	0.5	0.0006268	104	80	120	0	0		
Cobalt		0.5215	0.0040	0.5	0	104	80	120	0	0		
Copper		0.5343	0.010	0.5	0	107	80	120	0	0		
Iron		2.144	0.10	2	0	107	80	120	0	0		
Lead		0.5297	0.0020	0.5	0.0004836	106	80	120	0	0		
Manganese		0.5116	0.0040	0.5	0	102	80	120	0	0		
Nickel		0.5283	0.0040	0.5	0.003603	105	80	120	0	0		
Selenium		0.489	0.0040	0.5	0	97.8	80	120	0	0		
Silver		0.1952	0.0040	0.2	0	97.6	80	120	0	0		
Zinc		0.53	0.020	0.5	0.01105	104	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17070839	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102256

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW3 8/2/17			50	0	0	50	1.000	8/2/2017	8/2/2017
ILCSW3 8/2/17			50	0	0	50	1.000	8/2/2017	8/2/2017
17070830-002C	Aqueous		50	0	0	50	1.000	8/2/2017	8/2/2017
17070830-002CMS	Aqueous		50	0	0	50	1.000	8/2/2017	8/2/2017
17070830-002CMSD	Aqueous		50	0	0	50	1.000	8/2/2017	8/2/2017
17070830-003C	Aqueous		50	0	0	50	1.000	8/2/2017	8/2/2017
IMBTB 8/1/17			50	0	0	50	1.000	8/2/2017	8/2/2017
17070839-001B	Soil		50	0	0	50	1.000	8/2/2017	8/2/2017
17070839-004B	Soil		50	0	0	50	1.000	8/2/2017	8/2/2017
17070839-010B	Soil		50	0	0	50	1.000	8/2/2017	8/2/2017
17070839-010BMS	Soil		50	0	0	50	1.000	8/2/2017	8/2/2017
17070839-012B	Soil		50	0	0	50	1.000	8/2/2017	8/2/2017
17070839-013B	Soil		50	0	0	50	1.000	8/2/2017	8/2/2017
17070839-016B	Soil		50	0	0	50	1.000	8/2/2017	8/2/2017
17070830-001B	Aqueous		50	0	0	50	1.000	8/3/2017	8/3/2017
IMBTA2 8/1/17			50	0	0	50	1.000	8/3/2017	8/3/2017
17080006-001A	Sludge		50	0	0	50	1.000	8/3/2017	8/3/2017
17080007-001A	Sludge		50	0	0	50	1.000	8/3/2017	8/3/2017
17080042-002A	Solid		50	0	0	50	1.000	8/3/2017	8/3/2017
17080045-001A	Solid		50	0	0	50	1.000	8/3/2017	8/3/2017
17080007-001AMS	Sludge		50	0	0	50	1.000	8/3/2017	8/3/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
IMBTB 8/1/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/2/2017	8/2/2017	ICPMS-3_170802A			3729538		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.010									
Barium	0.26	0.050									
Beryllium	ND	0.0050									
Cadmium	ND	0.0050									
Chromium	0.001842	0.010									J
Cobalt	ND	0.010									
Copper	0.007043	0.10									J
Iron	ND	0.25									
Lead	ND	0.0050									
Manganese	0.0005664	0.010									J
Nickel	ND	0.020									
Selenium	ND	0.010									
Silver	ND	0.010									
Zinc	0.2591	0.050									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17070839-010BMS	2531V-36-01 (5-9')	MS	mg/L	SW1311/6020	8/2/2017	8/2/2017	ICPMS-3_170802A			3729543		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5184	0.010	0.5	0	104	75	125	0	0		
Barium	0.8526	0.050	0.5	0.3923	92.1	75	125	0	0		
Beryllium	0.4725	0.0050	0.5	0	94.5	75	125	0	0		
Cadmium	0.4849	0.0050	0.5	0.002033	96.6	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17070839

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102256

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17070839-010BMS	2531V-36-01 (5-9')	MS	mg/L	SW1311/6020	8/2/2017	8/2/2017	ICPMS-3_170802A				3729543	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chromium	0.5125	0.010	0.5	0.007867	101	75	125	0	0		
Cobalt	0.5799	0.010	0.5	0.06526	103	75	125	0	0		
Copper	0.4688	0.10	0.5	0.00361	93	75	125	0	0		
Iron	2.411	0.25	2	0.313	105	75	125	0	0		
Lead	0.514	0.0050	0.5	0	103	75	125	0	0		
Manganese	5.488	0.010	0.5	5.242	49	75	125	0	0		S
Nickel	0.5733	0.020	0.5	0.08466	97.7	75	125	0	0		
Selenium	0.5267	0.010	0.5	0	105	75	125	0	0		
Silver	0.1862	0.010	0.2	0	93.1	75	125	0	0		
Zinc	0.6376	0.050	0.5	0.1672	94.1	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBW3 8/2/17	ZZZZZ	MBLK	mg/L	SW6020	8/2/2017	8/2/2017	ICPMS-3_170802A				3729526	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.001514	0.0040										J
Barium	ND	0.0040										
Beryllium	ND	0.0020										
Cadmium	ND	0.0020										
Chromium	0.0007994	0.0040										J
Cobalt	ND	0.0040										
Copper	ND	0.010										
Iron	ND	0.10										
Lead	ND	0.0020										
Manganese	ND	0.0040										
Nickel	ND	0.0040										
Selenium	ND	0.0040										
Silver	ND	0.0040										
Zinc	ND	0.020										

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
ILCSW3 8/2/17	ZZZZZ	LCS	mg/L	SW6020	8/2/2017	8/2/2017		ICPMS-3_170802A		3729527		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.492	0.0040	0.5	0.001514	98.1	80	120	0	0		
Barium	0.4823	0.0040	0.5	0	96.5	80	120	0	0		
Beryllium	0.4647	0.0020	0.5	0	92.9	80	120	0	0		
Cadmium	0.4885	0.0020	0.5	0	97.7	80	120	0	0		
Chromium	0.5287	0.0040	0.5	0.0007994	106	80	120	0	0		
Cobalt	0.5271	0.0040	0.5	0	105	80	120	0	0		
Copper	0.5331	0.010	0.5	0	107	80	120	0	0		
Iron	2.144	0.10	2	0	107	80	120	0	0		
Lead	0.4966	0.0020	0.5	0	99.3	80	120	0	0		
Manganese	0.5151	0.0040	0.5	0	103	80	120	0	0		
Nickel	0.5205	0.0040	0.5	0	104	80	120	0	0		
Selenium	0.4927	0.0040	0.5	0	98.5	80	120	0	0		
Silver	0.1966	0.0040	0.2	0	98.3	80	120	0	0		
Zinc	0.5105	0.020	0.5	0	102	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17070839

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102256

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17070830-002CMS	ZZZZZ	MS	mg/L	SW6020	8/2/2017	8/2/2017	ICPMS-3_170802A			3729531		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5176	0.0040	0.5	0.003923	103	75	125	0	0		
Barium	0.5763	0.0040	0.5	0.06702	102	75	125	0	0		
Cadmium	0.5048	0.0020	0.5	0	101	75	125	0	0		
Chromium	0.5322	0.0040	0.5	0.001612	106	75	125	0	0		
Lead	0.5378	0.0020	0.5	0.006091	106	75	125	0	0		
Selenium	0.5069	0.0040	0.5	0	101	75	125	0	0		
Silver	0.1978	0.0040	0.2	0	98.9	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17070830-002CMSD	ZZZZZ	MSD	mg/L	SW6020	8/2/2017	8/2/2017		ICPMS-3_170802A		3729533		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5164	0.0040	0.5	0.003923	102	75	125	0.5176	0.233	20
Barium	0.5694	0.0040	0.5	0.06702	100	75	125	0.5763	1.20	20
Cadmium	0.4951	0.0020	0.5	0	99	75	125	0.5048	1.94	20
Chromium	0.5294	0.0040	0.5	0.001612	106	75	125	0.5322	0.523	20
Lead	0.5262	0.0020	0.5	0.006091	104	75	125	0.5378	2.19	20
Selenium	0.4949	0.0040	0.5	0	99	75	125	0.5069	2.39	20
Silver	0.1958	0.0040	0.2	0	97.9	75	125	0.1978	1.01	20

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102158

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS1 7/28/17			0.3	0	0	30	100.000	7/28/2017	7/28/2017
HGLCSS1 7/28/17			0.3	0	0	30	100.000	7/28/2017	7/28/2017
17070817-001A	Soil		0.324	0	0	30	92.593	7/28/2017	7/28/2017
17070817-002A	Soil		0.338	0	0	30	88.757	7/28/2017	7/28/2017
17070817-003A	Soil		0.322	0	0	30	93.168	7/28/2017	7/28/2017
17070817-004A	Soil		0.374	0	0	30	80.214	7/28/2017	7/28/2017
17070817-004AMS	Soil		0.376	0	0	30	79.787	7/28/2017	7/28/2017
17070817-004AMSD	Soil		0.374	0	0	30	80.214	7/28/2017	7/28/2017
17070817-005A	Soil		0.315	0	0	30	95.238	7/28/2017	7/28/2017
17070817-006A	Soil		0.307	0	0	30	97.720	7/28/2017	7/28/2017
17070817-007A	Soil		0.328	0	0	30	91.463	7/28/2017	7/28/2017
17070817-008A	Soil		0.317	0	0	30	94.637	7/28/2017	7/28/2017
17070817-009A	Soil		0.3	0	0	30	100.000	7/28/2017	7/28/2017
17070820-001B	Soil		0.32	0	0	30	93.750	7/28/2017	7/28/2017
17070813-001A	Soil		0.318	0	0	30	94.340	7/28/2017	7/28/2017
17070861-001B	Soil		0.371	0	0	30	80.863	7/28/2017	7/28/2017
17070861-002B	Soil		0.367	0	0	30	81.744	7/28/2017	7/28/2017
17070861-003B	Soil		0.325	0	0	30	92.308	7/28/2017	7/28/2017
17070839-001B	Soil		0.324	0	0	30	92.593	7/28/2017	7/28/2017
17070839-002B	Soil		0.34	0	0	30	88.235	7/28/2017	7/28/2017
17070839-003B	Soil		0.313	0	0	30	95.847	7/28/2017	7/28/2017
17070839-004B	Soil		0.384	0	0	30	78.125	7/28/2017	7/28/2017
17070839-005B	Soil		0.35	0	0	30	85.714	7/28/2017	7/28/2017
17070845-001B	Soil		0.305	0	0	30	98.361	7/28/2017	7/28/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMBS1 7/28/17	ZZZZZ	MBLK	mg/Kg	SW7471A	7/28/2017	7/28/2017		CETAC 2_170728B			3724760	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury ND 0.020

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGLCSS1 7/28/17	ZZZZZ	LCS	mg/Kg	SW7471A	7/28/2017	7/28/2017		CETAC 2_170728B		3724761		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.26 0.020 0.25 0 104 80 120 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17070817-004AMS	ZZZZZ	MS	mg/Kg-dry	SW7471A	7/28/2017	7/28/2017		CETAC 2_170728B		3724766		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.3083 0.018 0.2267 0.07748 102 75 125 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17070817-004AMSD	ZZZZZ	MSD	mg/Kg-dry	SW7471A	7/28/2017	7/28/2017		CETAC 2_170728B		3724767		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.3555 0.018 0.2279 0.07748 122 75 125 0.3083 14.2 20

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102159

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS2 7/28/17			0.3	0	0	30	100.000	7/28/2017	7/28/2017
HGLCSS2 7/28/17			0.3	0	0	30	100.000	7/28/2017	7/28/2017
17070839-006B	Soil		0.373	0	0	30	80.429	7/28/2017	7/28/2017
17070839-007B	Soil		0.398	0	0	30	75.377	7/28/2017	7/28/2017
17070839-008B	Soil		0.318	0	0	30	94.340	7/28/2017	7/28/2017
17070839-009B	Soil		0.3	0	0	30	100.000	7/28/2017	7/28/2017
17070839-010B	Soil		0.319	0	0	30	94.044	7/28/2017	7/28/2017
17070839-011B	Soil		0.383	0	0	30	78.329	7/28/2017	7/28/2017
17070839-012B	Soil		0.35	0	0	30	85.714	7/28/2017	7/28/2017
17070839-013B	Soil		0.342	0	0	30	87.719	7/28/2017	7/28/2017
17070839-014B	Soil		0.306	0	0	30	98.039	7/28/2017	7/28/2017
17070839-015B	Soil		0.331	0	0	30	90.634	7/28/2017	7/28/2017
17070839-016B	Soil		0.312	0	0	30	96.154	7/28/2017	7/28/2017
17070839-017B	Soil		0.316	0	0	30	94.937	7/28/2017	7/28/2017
17070839-018B	Soil		0.361	0	0	30	83.102	7/28/2017	7/28/2017
17070839-019B	Soil		0.376	0	0	30	79.787	7/28/2017	7/28/2017
17070839-020B	Soil		0.321	0	0	30	93.458	7/28/2017	7/28/2017
17070839-021B	Soil		0.358	0	0	30	83.799	7/28/2017	7/28/2017
17070839-022B	Soil		0.339	0	0	30	88.496	7/28/2017	7/28/2017
17070839-015BMS	Soil		0.329	0	0	30	91.185	7/28/2017	7/28/2017
17070839-015BMSD	Soil		0.333	0	0	30	90.090	7/28/2017	7/28/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMBS2 7/28/17	ZZZZZ	MBLK	mg/Kg	SW7471A	7/28/2017	7/31/2017		CETAC 2_170731A			3726035	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGLCSS2 7/28/17	ZZZZZ	LCS	mg/Kg	SW7471A	7/28/2017	7/31/2017	CETAC 2_170731A				3726036	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.23	0.020	0.25	0	92	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17070839-015BMS	2531V-37-03 (0-3.5	MS	mg/Kg-dry	SW7471A	7/28/2017	7/31/2017	CETAC 2_170731A			3726049		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.3712	0.023	0.29	0.06573	105	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17070839-015BMSD	2531V-37-03 (0-3.5	MSD	mg/Kg-dry	SW7471A	7/28/2017	7/31/2017	CETAC 2_170731A			3726050		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.3553	0.023	0.2865	0.06573	101	75	125	0.3712	4.38	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102184

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 7/31/17			30	0	0	30	1.000	7/31/2017	7/31/2017
HGLCSW1 7/31/17			30	0	0	30	1.000	7/31/2017	7/31/2017
HGMBSP1P 7/28/17			30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-001B	Soil		20	0	0	30	1.500	7/31/2017	7/31/2017
17070839-002B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-003B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-004B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-005B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-006B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-007B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-008B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-009B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-010B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-011B	Soil		20	0	0	30	1.500	7/31/2017	7/31/2017
17070839-012B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-013B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-014B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-015B	Soil		20	0	0	30	1.500	7/31/2017	7/31/2017
17070839-016B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-017B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-018B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-019B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-020B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-007BMS	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-007BMSD	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017

QC SUMMARY

Sample ID: HGMBSP1P 7/28/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW1312/7470A	Prep Date: 7/31/2017	Analysis Date: 7/31/2017	Run ID: CETAC 2_170731B				SeqNo: 3727207	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00001	0.00025		J							
Sample ID: 17070839-007BMS	Customer ID: 2531V-35-01 (5-9')	SampType: MS	Units: mg/L	TestNo: SW1312/7470A	Prep Date: 7/31/2017	Analysis Date: 7/31/2017	Run ID: CETAC 2_170731B				SeqNo: 3727234	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0028	0.00025	0.0025	0.00002	111	75	125	0	0		
Sample ID: 17070839-007BMSD	Customer ID: 2531V-35-01 (5-9')	SampType: MSD	Units: mg/L	TestNo: SW1312/7470A	Prep Date: 7/31/2017	Analysis Date: 7/31/2017	Run ID: CETAC 2_170731B				SeqNo: 3727218	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0029	0.00025	0.0025	0.00002	115	75	125	0.0028	3.51	20	
Sample ID: HGMBW1 7/31/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW7470A	Prep Date: 7/31/2017	Analysis Date: 7/31/2017	Run ID: CETAC 2_170731B				SeqNo: 3727205	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.00020									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17070839

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102184

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGLCSW1 7/31/17	ZZZZZ	LCS	mg/L	SW7470A	7/31/2017	7/31/2017	CETAC 2_170731B				3727206	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0028	0.00020	0.0025	0.00001	112	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102185

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW2 7/31/17			30	0	0	30	1.000	7/31/2017	7/31/2017
HGLCSW2 7/31/17			30	0	0	30	1.000	7/31/2017	7/31/2017
HGMBSP2 7/28/17			30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-021B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-022B	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070839-022BMS	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
HGMBTA1 7/28/17			30	0	0	30	1.000	7/31/2017	7/31/2017
17070858-001A	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070858-001AMS	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
17070858-001AMSD	Soil		30	0	0	30	1.000	7/31/2017	7/31/2017
HGMBTC 7/28/17			30	0	0	30	1.000	7/31/2017	7/31/2017
17070848-001A	Liquid		5	0	0	30	6.000	7/31/2017	7/31/2017
HGMBTA1 7/31/17	Soil		30	0	0	30	1.000	8/1/2017	8/1/2017
17070893-001AMS	Soil		30	0	0	30	1.000	8/1/2017	8/1/2017
17070890-001B	Soil		30	0	0	30	1.000	8/1/2017	8/1/2017
17070893-001A	Soil		30	0	0	30	1.000	8/1/2017	8/1/2017
17070894-001A	Soil		30	0	0	30	1.000	8/1/2017	8/1/2017
17070839-020B	Soil		30	0	0	30	1.000	8/1/2017	8/1/2017
17070839-021BT	Soil		30	0	0	30	1.000	8/1/2017	8/1/2017
17070839-022BT	Soil		30	0	0	30	1.000	8/1/2017	8/1/2017
HGMBSP2 7/31/17			30	0	0	30	1.000	8/1/2017	8/1/2017
17070162-002BMS	Soil		30	0	0	30	1.000	8/1/2017	8/1/2017
17070162-002B	Soil		30	0	0	30	1.000	8/1/2017	8/1/2017
17070162-006B	Soil		30	0	0	30	1.000	8/1/2017	8/1/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBTC 7/28/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	7/31/2017	7/31/2017	CETAC 2_170731B				3727204	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00006	0.00020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBTA1 7/28/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	7/31/2017	7/31/2017	CETAC 2_170731B				3727239	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.015	0.0020									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBTA1 7/31/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/1/2017	8/1/2017	CETAC 2_170801A				3727786	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.00020									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGMBTA1 7/28/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	7/31/2017	8/1/2017		CETAC 2_170801A		3727814		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.00020									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17070839

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102185

Sample ID: 17070858-001AMS	Customer ID: ZZZZZ	SampType: MS	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 7/31/2017	Analysis Date: 7/31/2017	Run ID: CETAC 2_170731B				SeqNo: 3727240	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.04	0.0020	0.0025	0.04	0	75	125	0	0		S
Sample ID: 17070893-001AMS	Customer ID: ZZZZZ	SampType: MS	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/1/2017	Analysis Date: 8/1/2017	Run ID: CETAC 2_170801A				SeqNo: 3727788	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0026	0.00020	0.0025	0	104	75	125	0	0		
Sample ID: 17070858-001AMSD	Customer ID: ZZZZZ	SampType: MSD	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 7/31/2017	Analysis Date: 7/31/2017	Run ID: CETAC 2_170731B				SeqNo: 3727241	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.044	0.0020	0.0025	0.04	160	75	125	0.04	9.52	20	S
Sample ID: HGMBSP2 7/28/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW1312/7470A	Prep Date: 7/31/2017	Analysis Date: 7/31/2017	Run ID: CETAC 2_170731B				SeqNo: 3727172	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.00025									
Sample ID: HGMBSP2 7/31/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW1312/7470A	Prep Date: 8/1/2017	Analysis Date: 8/1/2017	Run ID: CETAC 2_170801A				SeqNo: 3727797	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.00025									
Sample ID: 17070839-022BMS	Customer ID: 2531V-DUP-02	SampType: MS	Units: mg/L	TestNo: SW1312/7470A	Prep Date: 7/31/2017	Analysis Date: 7/31/2017	Run ID: CETAC 2_170731B				SeqNo: 3727175	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0028	0.00025	0.0025	0.00002	111	75	125	0	0		
Sample ID: 17070162-002BMS	Customer ID: ZZZZZ	SampType: MS	Units: mg/L	TestNo: SW1312/7470A	Prep Date: 8/1/2017	Analysis Date: 8/1/2017	Run ID: CETAC 2_170801A				SeqNo: 3727799	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0025	0.00025	0.0025	0.00001	99.6	75	125	0	0		
Sample ID: HGMBW2 7/31/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW7470A	Prep Date: 7/31/2017	Analysis Date: 7/31/2017	Run ID: CETAC 2_170731B				SeqNo: 3727166	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.00020									
Sample ID: HGLCSW2 7/31/17	Customer ID: ZZZZZ	SampType: LCS	Units: mg/L	TestNo: SW7470A	Prep Date: 7/31/2017	Analysis Date: 8/1/2017	Run ID: CETAC 2_170801A				SeqNo: 3727791	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0024	0.00020	0.0025	0	96	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102241

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 8/2/17			30	0	0	30	1.000	8/2/2017	8/2/2017
HGLCSW1 8/2/17			30	0	0	30	1.000	8/2/2017	8/2/2017
HGMBTA1 8/1/17			30	0	0	30	1.000	8/2/2017	8/2/2017
17070858-001A	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-002B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-002BMS	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-002BMSD	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
HGMBTB 8/1/17			30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-001B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-004B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-010B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-012B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-012BMS	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-013B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-016B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-003B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-005B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-006B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-007B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-008B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-009B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-011B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-014B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-015B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-017B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-018B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017
17070839-019B	Soil		30	0	0	30	1.000	8/2/2017	8/2/2017

QC SUMMARY

Sample ID: HGMBTA1 8/1/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/2/2017	Analysis Date: 8/2/2017	Run ID: CETAC 2_170802A				SeqNo: 3729016	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00002	0.00020									J

Sample ID: HGMBTB 8/1/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/2/2017	Analysis Date: 8/2/2017	Run ID: CETAC 2_170802B				SeqNo: 3729402	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00001	0.00020									J

Sample ID: 17070839-002BMS	Customer ID: 2531V-34-01 (5-9')	SampType: MS	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/2/2017	Analysis Date: 8/2/2017	Run ID: CETAC 2_170802B				SeqNo: 3729400	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0026	0.00020	0.0025	0.00001	104	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102241

Sample ID: 17070839-012BMS	Customer ID: 2531V-36-03 (0-3.5	SampType: MS	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/2/2017	Analysis Date: 8/2/2017	Run ID: CETAC 2_170802B				SeqNo: 3729407	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0024	0.00020	0.0025	0.00001	95.6	75	125	0	0		

Sample ID: 17070839-002BMSD	Customer ID: 2531V-34-01 (5-9')	SampType: MSD	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/2/2017	Analysis Date: 8/2/2017	Run ID: CETAC 2_170802B				SeqNo: 3729401	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0023	0.00020	0.0025	0.00001	91.6	75	125	0.0026	12.2	20	

Sample ID: HGMBW1 8/2/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW7470A	Prep Date: 8/2/2017	Analysis Date: 8/2/2017	Run ID: CETAC 2_170802A				SeqNo: 3729022	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00012	0.00020								J	

Sample ID: HGLCSW1 8/2/17	Customer ID: ZZZZZ	SampType: LCS	Units: mg/L	TestNo: SW7470A	Prep Date: 8/2/2017	Analysis Date: 8/2/2017	Run ID: CETAC 2_170802A				SeqNo: 3729015	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0029	0.00020	0.0025	0.00012	111	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134435

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3724787	17070777-018B	SAMP	PH_S	R134435	1	07/28/2017
3724788	17070777-018BDUP	DUP	PH_S	R134435	1	07/28/2017
3724789	17070777-019B	SAMP	PH_S	R134435	1	07/28/2017
3724790	17070777-020B	SAMP	PH_S	R134435	1	07/28/2017
3724791	17070777-021B	SAMP	PH_S	R134435	1	07/28/2017
3724792	17070780-001B	SAMP	PH_S	R134435	1	07/28/2017
3724793	17070780-002B	SAMP	PH_S	R134435	1	07/28/2017
3724794	17070780-003B	SAMP	PH_S	R134435	1	07/28/2017
3724795	17070780-004B	SAMP	PH_S	R134435	1	07/28/2017
3724796	17070780-005B	SAMP	PH_S	R134435	1	07/28/2017
3724797	17070780-007B	SAMP	PH_S	R134435	1	07/28/2017
3724798	17070780-010A	SAMP	PH_S	R134435	1	07/28/2017
3724799	17070782-001B	SAMP	PH_S	R134435	1	07/28/2017
3724800	17070805-001A	SAMP	PH_S	R134435	1	07/28/2017
3724801	17070813-001A	SAMP	PH_S	R134435	1	07/28/2017
3724802	17070820-001B	SAMP	PH_S	R134435	1	07/28/2017
3724803	17070839-001B	SAMP	PH_S	R134435	1	07/28/2017
3724804	17070839-002B	SAMP	PH_S	R134435	1	07/28/2017
3724805	17070839-003B	SAMP	PH_S	R134435	1	07/28/2017
3724806	17070839-004B	SAMP	PH_S	R134435	1	07/28/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
17070777-018BDUP	ZZZZZ	DUP	pH Units	SW9045C	7/28/2017	7/28/2017			PH_170728B		3724788	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH		7.89	0	0	0	0	0	0	7.83	0.763	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134482

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3726132	17070839-005B	SAMP	PH_S	R134482	1	07/31/2017
3726133	17070839-006B	SAMP	PH_S	R134482	1	07/31/2017
3726134	17070839-007B	SAMP	PH_S	R134482	1	07/31/2017
3726135	17070839-008B	SAMP	PH_S	R134482	1	07/31/2017
3726136	17070839-009B	SAMP	PH_S	R134482	1	07/31/2017
3726137	17070839-010B	SAMP	PH_S	R134482	1	07/31/2017
3726138	17070839-011B	SAMP	PH_S	R134482	1	07/31/2017
3726139	17070839-012B	SAMP	PH_S	R134482	1	07/31/2017
3726140	17070839-013B	SAMP	PH_S	R134482	1	07/31/2017
3726141	17070839-014B	SAMP	PH_S	R134482	1	07/31/2017
3726142	17070839-015B	SAMP	PH_S	R134482	1	07/31/2017
3726143	17070839-016B	SAMP	PH_S	R134482	1	07/31/2017
3726144	17070839-017B	SAMP	PH_S	R134482	1	07/31/2017
3726145	17070839-018B	SAMP	PH_S	R134482	1	07/31/2017
3726146	17070839-019B	SAMP	PH_S	R134482	1	07/31/2017
3726147	17070839-020B	SAMP	PH_S	R134482	1	07/31/2017
3726148	17070839-021B	SAMP	PH_S	R134482	1	07/31/2017
3726149	17070839-022B	SAMP	PH_S	R134482	1	07/31/2017
3726150	17070890-001B	SAMP	PH_S	R134482	1	07/31/2017
3726151	17070890-001BDUP	DUP	PH_S	R134482	1	07/31/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
17070890-001BDUP	ZZZZZ	DUP	pH Units	SW9045C	7/31/2017	7/31/2017			PH_170731A		3726151	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH		8.63	0	0	0	0	0	0	8.6	0.348	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134442

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3724996	PMBLK2 7/28/17	MBLK	PMOIST	R134442	1	07/29/2017
3724997	PMLCS-S2 7/28/17	LCS	PMOIST	R134442	1	07/29/2017
3724998	PMLCS-W2 7/28/17	LCS	PMOIST	R134442	1	07/29/2017
3724999	17070780-003B	SAMP	PMOIST	R134442	1	07/29/2017
3725000	17070780-003B DUP	DUP	PMOIST	R134442	1	07/29/2017
3725001	17070777-021B	SAMP	PMOIST	R134442	1	07/29/2017
3725002	17070780-001B	SAMP	PMOIST	R134442	1	07/29/2017
3725003	17070780-002B	SAMP	PMOIST	R134442	1	07/29/2017
3725004	17070780-004B	SAMP	PMOIST	R134442	1	07/29/2017
3725005	17070780-005B	SAMP	PMOIST	R134442	1	07/29/2017
3725006	17070780-007B	SAMP	PMOIST	R134442	1	07/29/2017
3725007	17070782-001B	SAMP	PMOIST	R134442	1	07/29/2017
3725008	17070813-001A	SAMP	PMOIST	R134442	1	07/29/2017
3725009	17070823-001B	SAMP	PMOIST	R134442	1	07/29/2017
3725010	17070823-002B	SAMP	PMOIST	R134442	1	07/29/2017
3725011	17070825-001A	SAMP	PMOIST	R134442	1	07/29/2017
3725012	17070825-002A	SAMP	PMOIST	R134442	1	07/29/2017
3725013	17070825-003A	SAMP	PMOIST	R134442	1	07/29/2017
3725014	17070839-021B	SAMP	PMOIST	R134442	1	07/29/2017
3725015	17070839-022B	SAMP	PMOIST	R134442	1	07/29/2017
3725016	17070845-001B	SAMP	PMOIST	R134442	1	07/29/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMBLK2 7/28/17	ZZZZZ	MBLK	wt%	D2974	7/28/2017	7/29/2017	BALANCE_170728B				3724996	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		ND	0.200									*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-S2 7/28/17	ZZZZZ	LCS	wt%	D2974	7/28/2017	7/29/2017	BALANCE_170728B				3724997	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		4.47	0.200	5	0	89.4	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-W2 7/28/17	ZZZZZ	LCS	wt%	D2974	7/28/2017	7/29/2017	BALANCE_170728B				3724998	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		99.77	0.200	99.8	0	100	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17070780-003B DUP	ZZZZZ	DUP	wt%	D2974	7/28/2017	7/29/2017	BALANCE_170728B				3725000	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		18.37	0.200	0	0	0	0	0	17.9	2.59	20	*

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17070839
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134443

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3725017	PMBLK3 7/28/17	MBLK	PMOIST	R134443	1	07/29/2017
3725018	PMLCS-S3 7/28/17	LCS	PMOIST	R134443	1	07/29/2017
3725019	PMLCS-W3 7/28/17	LCS	PMOIST	R134443	1	07/29/2017
3725020	17070839-015B	SAMP	PMOIST	R134443	1	07/29/2017
3725021	17070839-015B DUP	DUP	PMOIST	R134443	1	07/29/2017
3725022	17070839-001B	SAMP	PMOIST	R134443	1	07/29/2017
3725023	17070839-002B	SAMP	PMOIST	R134443	1	07/29/2017
3725024	17070839-003B	SAMP	PMOIST	R134443	1	07/29/2017
3725025	17070839-004B	SAMP	PMOIST	R134443	1	07/29/2017
3725026	17070839-005B	SAMP	PMOIST	R134443	1	07/29/2017
3725027	17070839-006B	SAMP	PMOIST	R134443	1	07/29/2017
3725028	17070839-007B	SAMP	PMOIST	R134443	1	07/29/2017
3725029	17070839-008B	SAMP	PMOIST	R134443	1	07/29/2017
3725030	17070839-009B	SAMP	PMOIST	R134443	1	07/29/2017
3725031	17070839-010B	SAMP	PMOIST	R134443	1	07/29/2017
3725032	17070839-011B	SAMP	PMOIST	R134443	1	07/29/2017
3725033	17070839-012B	SAMP	PMOIST	R134443	1	07/29/2017
3725034	17070839-013B	SAMP	PMOIST	R134443	1	07/29/2017
3725035	17070839-014B	SAMP	PMOIST	R134443	1	07/29/2017
3725036	17070839-016B	SAMP	PMOIST	R134443	1	07/29/2017
3725037	17070839-017B	SAMP	PMOIST	R134443	1	07/29/2017
3725038	17070839-018B	SAMP	PMOIST	R134443	1	07/29/2017
3725039	17070839-019B	SAMP	PMOIST	R134443	1	07/29/2017
3725040	17070839-020B	SAMP	PMOIST	R134443	1	07/29/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMBLK3 7/28/17	ZZZZZ	MBLK	wt%	D2974	7/28/2017	7/29/2017	BALANCE_170728C				3725017	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		ND	0.200									*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-S3 7/28/17	ZZZZZ	LCS	wt%	D2974	7/28/2017	7/29/2017	BALANCE_170728C				3725018	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		4.67	0.200	5	0	93.4	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-W3 7/28/17	ZZZZZ	LCS	wt%	D2974	7/28/2017	7/29/2017	BALANCE_170728C				3725019	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		99.71	0.200	99.8	0	99.9	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17070839-015B DUP	2531V-37-03 (0-3.5	DUP	wt%	D2974	7/28/2017	7/29/2017	BALANCE_170728C				3725021	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		20.63	0.200	0	0	0	0	0	21.38	3.57	20	*

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

STAT Analysis Corporation

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

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

August 17, 2017

Huff & Huff, Inc.
915 Harger Road
Oak Brook, IL 60523-1486

Telephone: (630) 684-9100
Fax: (630) 684-9120

Analytical Report for STAT Work Order: 17080266 Revision 0

RE: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Dear Jill Connolly:

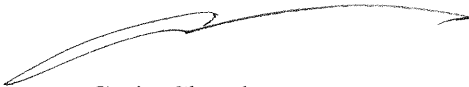
STAT Analysis received 55 samples for the referenced project on 8/8/2017 4:25:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Craig Chawla
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

Client: Huff & Huff, Inc.**Project:** 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL**Work Order Sample Summary****Work Order:** 17080266 Revision 0

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
17080266-001A	2531V-13-01 (0-5)		8/8/2017 11:07:00 AM	8/8/2017
17080266-001B	2531V-13-01 (0-5)		8/8/2017 11:07:00 AM	8/8/2017
17080266-002A	2531V-13-01 (5-9)		8/8/2017 11:10:00 AM	8/8/2017
17080266-002B	2531V-13-01 (5-9)		8/8/2017 11:10:00 AM	8/8/2017
17080266-003A	2531V-13-02 (0-5)		8/8/2017 11:02:00 AM	8/8/2017
17080266-003B	2531V-13-02 (0-5)		8/8/2017 11:02:00 AM	8/8/2017
17080266-004A	2531V-13-02 (5-9)		8/8/2017 11:05:00 AM	8/8/2017
17080266-004B	2531V-13-02 (5-9)		8/8/2017 11:05:00 AM	8/8/2017
17080266-005A	2531V-13-03 (0-5)		8/8/2017 10:55:00 AM	8/8/2017
17080266-005B	2531V-13-03 (0-5)		8/8/2017 10:55:00 AM	8/8/2017
17080266-006A	2531V-13-03 (5-9)		8/8/2017 10:58:00 AM	8/8/2017
17080266-006B	2531V-13-03 (5-9)		8/8/2017 10:58:00 AM	8/8/2017
17080266-007A	2531V-13-04 (0-5)		8/8/2017 10:47:00 AM	8/8/2017
17080266-007B	2531V-13-04 (0-5)		8/8/2017 10:47:00 AM	8/8/2017
17080266-008A	2531V-13-04 (5-9)		8/8/2017 10:50:00 AM	8/8/2017
17080266-008B	2531V-13-04 (5-9)		8/8/2017 10:50:00 AM	8/8/2017
17080266-009A	2531V-16-01 (0-5)		8/8/2017 10:39:00 AM	8/8/2017
17080266-009B	2531V-16-01 (0-5)		8/8/2017 10:39:00 AM	8/8/2017
17080266-010A	2531V-16-01 (5-9)		8/8/2017 10:42:00 AM	8/8/2017
17080266-010B	2531V-16-01 (5-9)		8/8/2017 10:42:00 AM	8/8/2017
17080266-011A	2531V-16-02 (0-5)		8/8/2017 10:30:00 AM	8/8/2017
17080266-011B	2531V-16-02 (0-5)		8/8/2017 10:30:00 AM	8/8/2017
17080266-012A	2531V-16-02 (5-9)		8/8/2017 10:33:00 AM	8/8/2017
17080266-012B	2531V-16-02 (5-9)		8/8/2017 10:33:00 AM	8/8/2017
17080266-013A	2531V-17-01 (0-5)		8/8/2017 10:21:00 AM	8/8/2017
17080266-013B	2531V-17-01 (0-5)		8/8/2017 10:21:00 AM	8/8/2017
17080266-014A	2531V-17-01 (5-9)		8/8/2017 10:24:00 AM	8/8/2017
17080266-014B	2531V-17-01 (5-9)		8/8/2017 10:24:00 AM	8/8/2017
17080266-015A	2531V-18-01 (0-5)		8/8/2017 10:10:00 AM	8/8/2017
17080266-015B	2531V-18-01 (0-5)		8/8/2017 10:10:00 AM	8/8/2017
17080266-016A	2531V-18-01 (5-9)		8/8/2017 10:12:00 AM	8/8/2017
17080266-016B	2531V-18-01 (5-9)		8/8/2017 10:12:00 AM	8/8/2017
17080266-017A	2531V-18-02 (0-5)		8/8/2017 10:02:00 AM	8/8/2017
17080266-017B	2531V-18-02 (0-5)		8/8/2017 10:02:00 AM	8/8/2017
17080266-018A	2531V-18-02 (5-9)		8/8/2017 10:05:00 AM	8/8/2017
17080266-018B	2531V-18-02 (5-9)		8/8/2017 10:05:00 AM	8/8/2017
17080266-019A	2531V-18-03 (0-5)		8/8/2017 9:53:00 AM	8/8/2017
17080266-019B	2531V-18-03 (0-5)		8/8/2017 9:53:00 AM	8/8/2017

Client: Huff & Huff, Inc.
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Work Order: 17080266 Revision 0

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
17080266-020A	2531V-18-03 (5-9)		8/8/2017 9:56:00 AM	8/8/2017
17080266-020B	2531V-18-03 (5-9)		8/8/2017 9:56:00 AM	8/8/2017
17080266-021A	2531V-18-04 (0-5)		8/8/2017 9:47:00 AM	8/8/2017
17080266-021B	2531V-18-04 (0-5)		8/8/2017 9:47:00 AM	8/8/2017
17080266-022A	2531V-18-04 (5-9)		8/8/2017 9:50:00 AM	8/8/2017
17080266-022B	2531V-18-04 (5-9)		8/8/2017 9:50:00 AM	8/8/2017
17080266-023A	2531V-18-05 (0-5)		8/8/2017 9:38:00 AM	8/8/2017
17080266-023B	2531V-18-05 (0-5)		8/8/2017 9:38:00 AM	8/8/2017
17080266-024A	2531V-18-05 (5-9)		8/8/2017 9:41:00 AM	8/8/2017
17080266-024B	2531V-18-05 (5-9)		8/8/2017 9:41:00 AM	8/8/2017
17080266-025A	2531V-18-06 (0-5)		8/8/2017 9:30:00 AM	8/8/2017
17080266-025B	2531V-18-06 (0-5)		8/8/2017 9:30:00 AM	8/8/2017
17080266-026A	2531V-18-06 (5-9)		8/8/2017 9:33:00 AM	8/8/2017
17080266-026B	2531V-18-06 (5-9)		8/8/2017 9:33:00 AM	8/8/2017
17080266-027A	2531V-23-01 (0-1)		8/8/2017 2:08:00 PM	8/8/2017
17080266-027B	2531V-23-01 (0-1)		8/8/2017 2:08:00 PM	8/8/2017
17080266-028A	2531V-23-02 (0-1)		8/8/2017 2:05:00 PM	8/8/2017
17080266-028B	2531V-23-02 (0-1)		8/8/2017 2:05:00 PM	8/8/2017
17080266-029A	2531V-23-03 (0-1)		8/8/2017 2:02:00 PM	8/8/2017
17080266-029B	2531V-23-03 (0-1)		8/8/2017 2:02:00 PM	8/8/2017
17080266-030A	2531V-23-04 (0-1)		8/8/2017 2:00:00 PM	8/8/2017
17080266-030B	2531V-23-04 (0-1)		8/8/2017 2:00:00 PM	8/8/2017
17080266-031A	2531V-32-01 (0-1)		8/8/2017 1:29:00 PM	8/8/2017
17080266-031B	2531V-32-01 (0-1)		8/8/2017 1:29:00 PM	8/8/2017
17080266-032A	2531V-32-02 (0-1)		8/8/2017 1:42:00 PM	8/8/2017
17080266-032B	2531V-32-02 (0-1)		8/8/2017 1:42:00 PM	8/8/2017
17080266-033A	2531V-32-03 (0-1)		8/8/2017 1:45:00 PM	8/8/2017
17080266-033B	2531V-32-03 (0-1)		8/8/2017 1:45:00 PM	8/8/2017
17080266-034A	2531V-33-01 (0-1)		8/8/2017 1:13:00 PM	8/8/2017
17080266-034B	2531V-33-01 (0-1)		8/8/2017 1:13:00 PM	8/8/2017
17080266-035A	2531V-33-02 (0-1)		8/8/2017 1:15:00 PM	8/8/2017
17080266-035B	2531V-33-02 (0-1)		8/8/2017 1:15:00 PM	8/8/2017
17080266-036A	2531V-33-03 (0-1)		8/8/2017 1:12:00 PM	8/8/2017
17080266-036B	2531V-33-03 (0-1)		8/8/2017 1:12:00 PM	8/8/2017
17080266-037A	2531V-33-04 (0-1)		8/8/2017 1:20:00 PM	8/8/2017
17080266-037B	2531V-33-04 (0-1)		8/8/2017 1:20:00 PM	8/8/2017
17080266-038A	2531V-33-05 (0-1)		8/8/2017 1:23:00 PM	8/8/2017
17080266-038B	2531V-33-05 (0-1)		8/8/2017 1:23:00 PM	8/8/2017
17080266-039A	2531V-33-06 (0-1)		8/8/2017 1:27:00 PM	8/8/2017
17080266-039B	2531V-33-06 (0-1)		8/8/2017 1:27:00 PM	8/8/2017

Client: Huff & Huff, Inc.

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Work Order: 17080266 Revision 0

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
17080266-040A	2531V-34-04 (0-7)		8/8/2017 12:15:00 PM	8/8/2017
17080266-040B	2531V-34-04 (0-7)		8/8/2017 12:15:00 PM	8/8/2017
17080266-041A	2531V-34-04 (7-14)		8/8/2017 12:18:00 PM	8/8/2017
17080266-041B	2531V-34-04 (7-14)		8/8/2017 12:18:00 PM	8/8/2017
17080266-042A	2531V-34-05 (0-7)		8/8/2017 12:27:00 PM	8/8/2017
17080266-042B	2531V-34-05 (0-7)		8/8/2017 12:27:00 PM	8/8/2017
17080266-043A	2531V-34-05 (7-14)		8/8/2017 12:30:00 PM	8/8/2017
17080266-043B	2531V-34-05 (7-14)		8/8/2017 12:30:00 PM	8/8/2017
17080266-044A	2531V-34-06 (0-7)		8/8/2017 12:40:00 PM	8/8/2017
17080266-044B	2531V-34-06 (0-7)		8/8/2017 12:40:00 PM	8/8/2017
17080266-045A	2531V-34-06 (7-14)		8/8/2017 12:45:00 PM	8/8/2017
17080266-045B	2531V-34-06 (7-14)		8/8/2017 12:45:00 PM	8/8/2017
17080266-046A	2531V-34-07 (0-1)		8/8/2017 1:05:00 PM	8/8/2017
17080266-046B	2531V-34-07 (0-1)		8/8/2017 1:05:00 PM	8/8/2017
17080266-047A	2531V-34-08 (0-1)		8/8/2017 1:10:00 PM	8/8/2017
17080266-047B	2531V-34-08 (0-1)		8/8/2017 1:10:00 PM	8/8/2017
17080266-048A	2531V-34-09 (0-7)		8/8/2017 12:05:00 PM	8/8/2017
17080266-048B	2531V-34-09 (0-7)		8/8/2017 12:05:00 PM	8/8/2017
17080266-049A	2531V-34-09 (7-14)		8/8/2017 12:08:00 PM	8/8/2017
17080266-049B	2531V-34-09 (7-14)		8/8/2017 12:08:00 PM	8/8/2017
17080266-050A	2531V-43-09 (0-1)		8/8/2017 11:55:00 AM	8/8/2017
17080266-050B	2531V-43-09 (0-1)		8/8/2017 11:55:00 AM	8/8/2017
17080266-051A	2531V-DUP-07		8/8/2017 9:30:00 AM	8/8/2017
17080266-051B	2531V-DUP-07		8/8/2017 9:30:00 AM	8/8/2017
17080266-052A	2531V-DUP-06		8/8/2017 2:00:00 PM	8/8/2017
17080266-052B	2531V-DUP-06		8/8/2017 2:00:00 PM	8/8/2017
17080266-053A	2531V-DUP-08		8/8/2017 11:20:00 AM	8/8/2017
17080266-053B	2531V-DUP-08		8/8/2017 11:20:00 AM	8/8/2017
17080266-054A	2531V-DUP-09		8/8/2017 2:30:00 PM	8/8/2017
17080266-054B	2531V-DUP-09		8/8/2017 2:30:00 PM	8/8/2017
17080266-055A	Trip Blank (2)		8/8/2017	8/8/2017

CLIENT: Huff & Huff, Inc.
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Work Order: 17080266 Revision 0

CASE NARRATIVE

Please refer to Analytical QC Summary Report for QC outliers.

STAT Analysis Corporation

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 11:07:00 AM

Lab ID: 17080266-001A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/8/2017		Analyst: ERP
Acetone	ND	0.073		mg/Kg-dry	1	8/14/2017
Benzene	ND	0.0049		mg/Kg-dry	1	8/14/2017
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	8/14/2017
Bromoform	ND	0.0049		mg/Kg-dry	1	8/14/2017
Bromomethane	ND	0.0098		mg/Kg-dry	1	8/14/2017
2-Butanone	ND	0.073		mg/Kg-dry	1	8/14/2017
Carbon disulfide	ND	0.049		mg/Kg-dry	1	8/14/2017
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	8/14/2017
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	8/14/2017
Chloroethane	ND	0.0098		mg/Kg-dry	1	8/14/2017
Chloroform	ND	0.0049		mg/Kg-dry	1	8/14/2017
Chloromethane	ND	0.0098		mg/Kg-dry	1	8/14/2017
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/14/2017
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/14/2017
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/14/2017
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/14/2017
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	8/14/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/14/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/14/2017
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	8/14/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/14/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/14/2017
Methylene chloride	ND	0.0098		mg/Kg-dry	1	8/14/2017
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	8/14/2017
Styrene	ND	0.0049		mg/Kg-dry	1	8/14/2017
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	8/14/2017
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	8/14/2017
Toluene	ND	0.0049		mg/Kg-dry	1	8/14/2017
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/14/2017
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/14/2017
Trichloroethene	ND	0.0049		mg/Kg-dry	1	8/14/2017
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	8/14/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/14/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

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

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:07:00 AM

Lab ID: 17080266-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: DM
Acenaphthene	ND	0.039		mg/Kg-dry	1	8/11/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/11/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/11/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/11/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzoic acid	ND	0.98		mg/Kg-dry	1	8/11/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/11/2017
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	8/11/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/11/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/11/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/11/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/11/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/11/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/11/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/11/2017
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	8/11/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/11/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/11/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:07:00 AM

Lab ID: 17080266-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/9/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/11/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/11/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/11/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/11/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/11/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/11/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/11/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/11/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/11/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/11/2017
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	8/11/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Pyridine	ND	0.79		mg/Kg-dry	1	8/11/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/9/2017 Analyst: JG

Aluminum	9800	20		mg/Kg-dry	10	8/11/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/11/2017
Arsenic	11	1.0		mg/Kg-dry	10	8/11/2017
Barium	75	1.0		mg/Kg-dry	10	8/11/2017
Beryllium	0.52	0.50		mg/Kg-dry	10	8/11/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:07:00 AM

Lab ID: 17080266-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/11/2017
Calcium	95000	60		mg/Kg-dry	10	8/11/2017
Chromium	17	1.0		mg/Kg-dry	10	8/11/2017
Cobalt	15	1.0		mg/Kg-dry	10	8/11/2017
Copper	25	2.5		mg/Kg-dry	10	8/11/2017
Iron	30000	30		mg/Kg-dry	10	8/11/2017
Lead	15	0.50		mg/Kg-dry	10	8/11/2017
Magnesium	54000	30		mg/Kg-dry	10	8/11/2017
Manganese	1600	1.0		mg/Kg-dry	10	8/11/2017
Nickel	30	1.0		mg/Kg-dry	10	8/11/2017
Potassium	1500	30		mg/Kg-dry	10	8/11/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/11/2017
Silver	ND	1.0		mg/Kg-dry	10	8/11/2017
Sodium	1200	60		mg/Kg-dry	10	8/11/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/11/2017
Vanadium	28	1.0		mg/Kg-dry	10	8/11/2017
Zinc	67	5.0		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.0049	0.0040		mg/L	2	8/11/2017
Barium	ND	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.0072	0.0040		mg/L	2	8/11/2017
Cobalt	ND	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	8.1	0.10		mg/L	2	8/11/2017
Lead	0.0046	0.0020		mg/L	2	8/11/2017
Manganese	0.094	0.0040		mg/L	2	8/11/2017
Nickel	0.0073	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.031	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/10/2017
Barium	0.53	0.050		mg/L	5	8/10/2017
Beryllium	ND	0.0050		mg/L	5	8/11/2017
Cadmium	ND	0.0050		mg/L	5	8/10/2017

Qualifiers:

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J - Analyte detected below quantitation limits

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E - Value above quantitation range

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:07:00 AM

Lab ID: 17080266-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/10/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/10/2017
Cobalt	ND	0.010		mg/L	5	8/10/2017
Copper	ND	0.10		mg/L	5	8/10/2017
Iron	ND	0.25		mg/L	5	8/10/2017
Lead	ND	0.0050		mg/L	5	8/10/2017
Manganese	0.75	0.010		mg/L	5	8/10/2017
Nickel	ND	0.010		mg/L	5	8/10/2017
Selenium	ND	0.010		mg/L	5	8/10/2017
Silver	ND	0.010		mg/L	5	8/10/2017
Zinc	ND	0.050		mg/L	5	8/10/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/10/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/10/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/10/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A					Prep Date: 8/10/2017 Analyst: LB
Mercury	0.024	0.019		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/9/2017 Analyst: PBG
pH	8.54			pH Units	1	8/9/2017
Percent Moisture	D2974					Prep Date: 8/9/2017 Analyst: KKA
Percent Moisture	15.8	0.2	*	wt%	1	8/10/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:10:00 AM

Lab ID: 17080266-002A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/8/2017	Analyst: ERP
Acetone	ND	0.069		mg/Kg-dry	1	8/14/2017
Benzene	ND	0.0046		mg/Kg-dry	1	8/14/2017
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	8/14/2017
Bromoform	ND	0.0046		mg/Kg-dry	1	8/14/2017
Bromomethane	ND	0.0092		mg/Kg-dry	1	8/14/2017
2-Butanone	ND	0.069		mg/Kg-dry	1	8/14/2017
Carbon disulfide	ND	0.046		mg/Kg-dry	1	8/14/2017
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	8/14/2017
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	8/14/2017
Chloroethane	ND	0.0092		mg/Kg-dry	1	8/14/2017
Chloroform	ND	0.0046		mg/Kg-dry	1	8/14/2017
Chloromethane	ND	0.0092		mg/Kg-dry	1	8/14/2017
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/14/2017
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/14/2017
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/14/2017
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/14/2017
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	8/14/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/14/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/14/2017
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	8/14/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/14/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/14/2017
Methylene chloride	ND	0.0092		mg/Kg-dry	1	8/14/2017
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	8/14/2017
Styrene	ND	0.0046		mg/Kg-dry	1	8/14/2017
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	8/14/2017
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	8/14/2017
Toluene	ND	0.0046		mg/Kg-dry	1	8/14/2017
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/14/2017
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/14/2017
Trichloroethene	ND	0.0046		mg/Kg-dry	1	8/14/2017
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	8/14/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/14/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 11:10:00 AM

Lab ID: 17080266-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: DM

Acenaphthene	ND	0.039		mg/Kg-dry	1	8/11/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/11/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/11/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/11/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzoic acid	ND	0.98		mg/Kg-dry	1	8/11/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/11/2017
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	8/11/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/11/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/11/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/11/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/11/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/11/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/11/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/11/2017
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	8/11/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/11/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/11/2017

Qualifiers:

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HT - Sample received past holding time

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 11:10:00 AM

Lab ID: 17080266-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/9/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/11/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/11/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/11/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/11/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/11/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/11/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/11/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/11/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/11/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/11/2017
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	8/11/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Pyridine	ND	0.79		mg/Kg-dry	1	8/11/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/9/2017 Analyst: JG

Aluminum	10000	21		mg/Kg-dry	10	8/11/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/11/2017
Arsenic	7.9	1.0		mg/Kg-dry	10	8/11/2017
Barium	52	1.0		mg/Kg-dry	10	8/11/2017
Beryllium	0.67	0.52		mg/Kg-dry	10	8/11/2017

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

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 11:10:00 AM

Lab ID: 17080266-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/11/2017
Calcium	89000	62		mg/Kg-dry	10	8/11/2017
Chromium	20	1.0		mg/Kg-dry	10	8/11/2017
Cobalt	10	1.0		mg/Kg-dry	10	8/11/2017
Copper	35	2.6		mg/Kg-dry	10	8/11/2017
Iron	25000	31		mg/Kg-dry	10	8/11/2017
Lead	20	0.52		mg/Kg-dry	10	8/11/2017
Magnesium	47000	31		mg/Kg-dry	10	8/11/2017
Manganese	630	1.0		mg/Kg-dry	10	8/11/2017
Nickel	28	1.0		mg/Kg-dry	10	8/11/2017
Potassium	2000	31		mg/Kg-dry	10	8/11/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/11/2017
Silver	ND	1.0		mg/Kg-dry	10	8/11/2017
Sodium	870	62		mg/Kg-dry	10	8/11/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/11/2017
Vanadium	25	1.0		mg/Kg-dry	10	8/11/2017
Zinc	75	5.2		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/11/2017
Barium	0.024	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.0092	0.0040		mg/L	2	8/11/2017
Cobalt	ND	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	8.4	0.10		mg/L	2	8/11/2017
Lead	0.0042	0.0020		mg/L	2	8/11/2017
Manganese	0.047	0.0040		mg/L	2	8/11/2017
Nickel	0.010	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.033	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/11/2017
Barium	0.38	0.050		mg/L	5	8/11/2017
Beryllium	ND	0.0050		mg/L	5	8/11/2017
Cadmium	0.0062	0.0050		mg/L	5	8/11/2017

Qualifiers:

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S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:10:00 AM

Lab ID: 17080266-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/10/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/11/2017
Cobalt	0.054	0.010		mg/L	5	8/11/2017
Copper	ND	0.10		mg/L	5	8/11/2017
Iron	ND	0.25		mg/L	5	8/11/2017
Lead	ND	0.0050		mg/L	5	8/11/2017
Manganese	6.2	0.010		mg/L	5	8/11/2017
Nickel	0.057	0.010		mg/L	5	8/11/2017
Selenium	ND	0.010		mg/L	5	8/11/2017
Silver	ND	0.010		mg/L	5	8/11/2017
Zinc	ND	0.050		mg/L	5	8/11/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/10/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/10/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/10/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A					Prep Date: 8/10/2017 Analyst: LB
Mercury	0.023	0.022		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/9/2017 Analyst: PBG
pH	8.08			pH Units	1	8/9/2017
Percent Moisture	D2974					Prep Date: 8/9/2017 Analyst: KKA
Percent Moisture	16.4	0.2	*	wt%	1	8/10/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-02 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:02:00 AM

Lab ID: 17080266-003A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/8/2017	Analyst: ERP
Acetone	ND	0.079		mg/Kg-dry	1	8/14/2017
Benzene	ND	0.0053		mg/Kg-dry	1	8/14/2017
Bromodichloromethane	ND	0.0053		mg/Kg-dry	1	8/14/2017
Bromoform	ND	0.0053		mg/Kg-dry	1	8/14/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/14/2017
2-Butanone	ND	0.079		mg/Kg-dry	1	8/14/2017
Carbon disulfide	ND	0.053		mg/Kg-dry	1	8/14/2017
Carbon tetrachloride	ND	0.0053		mg/Kg-dry	1	8/14/2017
Chlorobenzene	ND	0.0053		mg/Kg-dry	1	8/14/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/14/2017
Chloroform	ND	0.0053		mg/Kg-dry	1	8/14/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/14/2017
Dibromochloromethane	ND	0.0053		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/14/2017
1,2-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/14/2017
cis-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/14/2017
trans-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/14/2017
1,2-Dichloropropane	ND	0.0053		mg/Kg-dry	1	8/14/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/14/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/14/2017
Ethylbenzene	ND	0.0053		mg/Kg-dry	1	8/14/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/14/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/14/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/14/2017
Methyl tert-butyl ether	ND	0.0053		mg/Kg-dry	1	8/14/2017
Styrene	ND	0.0053		mg/Kg-dry	1	8/14/2017
1,1,2,2-Tetrachloroethane	ND	0.0053		mg/Kg-dry	1	8/14/2017
Tetrachloroethene	ND	0.0053		mg/Kg-dry	1	8/14/2017
Toluene	ND	0.0053		mg/Kg-dry	1	8/14/2017
1,1,1-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/14/2017
1,1,2-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/14/2017
Trichloroethene	ND	0.0053		mg/Kg-dry	1	8/14/2017
Vinyl chloride	ND	0.0053		mg/Kg-dry	1	8/14/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/14/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-02 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 11:02:00 AM

Lab ID: 17080266-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: DM

Acenaphthene	ND	0.040		mg/Kg-dry	1	8/11/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/11/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/11/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/11/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/11/2017
Benidine	ND	0.40		mg/Kg-dry	1	8/11/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/11/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/11/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/11/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/11/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/11/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/11/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/11/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/11/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/11/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/11/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/11/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/11/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/11/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/11/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/11/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/11/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/11/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-02 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:02:00 AM

Lab ID: 17080266-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/9/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/11/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/11/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/11/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/11/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/11/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/11/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/11/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/11/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/11/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/11/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/11/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/11/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/11/2017
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	8/11/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/11/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/11/2017
Pyridine	ND	0.81		mg/Kg-dry	1	8/11/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/9/2017 Analyst: JG

Aluminum	14000	22		mg/Kg-dry	10	8/11/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/11/2017
Arsenic	6.2	1.1		mg/Kg-dry	10	8/11/2017
Barium	140	1.1		mg/Kg-dry	10	8/11/2017
Beryllium	0.86	0.55		mg/Kg-dry	10	8/11/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-02 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 11:02:00 AM

Lab ID: 17080266-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.55		mg/Kg-dry	10	8/11/2017
Calcium	3800	66		mg/Kg-dry	10	8/11/2017
Chromium	20	1.1		mg/Kg-dry	10	8/11/2017
Cobalt	11	1.1		mg/Kg-dry	10	8/11/2017
Copper	20	2.7		mg/Kg-dry	10	8/11/2017
Iron	19000	33		mg/Kg-dry	10	8/11/2017
Lead	20	0.55		mg/Kg-dry	10	8/11/2017
Magnesium	3700	33		mg/Kg-dry	10	8/11/2017
Manganese	390	1.1		mg/Kg-dry	10	8/11/2017
Nickel	23	1.1		mg/Kg-dry	10	8/11/2017
Potassium	1100	33		mg/Kg-dry	10	8/11/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/11/2017
Silver	ND	1.1		mg/Kg-dry	10	8/11/2017
Sodium	1500	66		mg/Kg-dry	10	8/11/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/11/2017
Vanadium	33	1.1		mg/Kg-dry	10	8/11/2017
Zinc	67	5.5		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.0099	0.0040		mg/L	2	8/11/2017
Barium	0.036	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.010	0.0040		mg/L	2	8/11/2017
Cobalt	0.0045	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	9.4	0.10		mg/L	2	8/11/2017
Lead	0.0071	0.0020		mg/L	2	8/11/2017
Manganese	0.082	0.0040		mg/L	2	8/11/2017
Nickel	0.012	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.026	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/10/2017
Barium	0.48	0.050		mg/L	5	8/10/2017
Beryllium	ND	0.0050		mg/L	5	8/11/2017
Cadmium	ND	0.0050		mg/L	5	8/10/2017

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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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-02 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:02:00 AM

Lab ID: 17080266-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/10/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/10/2017
Cobalt	0.075	0.010		mg/L	5	8/10/2017
Copper	ND	0.10		mg/L	5	8/10/2017
Iron	0.33	0.25		mg/L	5	8/10/2017
Lead	0.0083	0.0050		mg/L	5	8/10/2017
Manganese	10	0.010		mg/L	5	8/10/2017
Nickel	0.035	0.010		mg/L	5	8/10/2017
Selenium	ND	0.010		mg/L	5	8/10/2017
Silver	ND	0.010		mg/L	5	8/10/2017
Zinc	ND	0.050		mg/L	5	8/10/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/10/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/10/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/10/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A					Prep Date: 8/10/2017 Analyst: LB
Mercury	0.035	0.023		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/9/2017 Analyst: PBG
pH	7.57			pH Units	1	8/9/2017
Percent Moisture	D2974					Prep Date: 8/9/2017 Analyst: KKA
Percent Moisture	19.4	0.2	*	wt%	1	8/10/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-02 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 11:05:00 AM

Lab ID: 17080266-004A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/8/2017	Analyst: ERP
Acetone	ND	0.080		mg/Kg-dry	1	8/14/2017
Benzene	ND	0.0053		mg/Kg-dry	1	8/14/2017
Bromodichloromethane	ND	0.0053		mg/Kg-dry	1	8/14/2017
Bromoform	ND	0.0053		mg/Kg-dry	1	8/14/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/14/2017
2-Butanone	ND	0.080		mg/Kg-dry	1	8/14/2017
Carbon disulfide	ND	0.053		mg/Kg-dry	1	8/14/2017
Carbon tetrachloride	ND	0.0053		mg/Kg-dry	1	8/14/2017
Chlorobenzene	ND	0.0053		mg/Kg-dry	1	8/14/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/14/2017
Chloroform	ND	0.0053		mg/Kg-dry	1	8/14/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/14/2017
Dibromochloromethane	ND	0.0053		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/14/2017
1,2-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/14/2017
cis-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/14/2017
trans-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/14/2017
1,2-Dichloropropane	ND	0.0053		mg/Kg-dry	1	8/14/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/14/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/14/2017
Ethylbenzene	ND	0.0053		mg/Kg-dry	1	8/14/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/14/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/14/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/14/2017
Methyl tert-butyl ether	ND	0.0053		mg/Kg-dry	1	8/14/2017
Styrene	ND	0.0053		mg/Kg-dry	1	8/14/2017
1,1,2,2-Tetrachloroethane	ND	0.0053		mg/Kg-dry	1	8/14/2017
Tetrachloroethene	ND	0.0053		mg/Kg-dry	1	8/14/2017
Toluene	ND	0.0053		mg/Kg-dry	1	8/14/2017
1,1,1-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/14/2017
1,1,2-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/14/2017
Trichloroethene	ND	0.0053		mg/Kg-dry	1	8/14/2017
Vinyl chloride	ND	0.0053		mg/Kg-dry	1	8/14/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/14/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-02 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:05:00 AM

Lab ID: 17080266-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: DM
Acenaphthene	ND	0.042		mg/Kg-dry	1	8/11/2017
Acenaphthylene	ND	0.042		mg/Kg-dry	1	8/11/2017
Aniline	ND	0.42		mg/Kg-dry	1	8/11/2017
Anthracene	ND	0.042		mg/Kg-dry	1	8/11/2017
Benz(a)anthracene	ND	0.042		mg/Kg-dry	1	8/11/2017
Benzidine	ND	0.42		mg/Kg-dry	1	8/11/2017
Benzo(a)pyrene	ND	0.042		mg/Kg-dry	1	8/11/2017
Benzo(b)fluoranthene	ND	0.042		mg/Kg-dry	1	8/11/2017
Benzo(g,h,i)perylene	ND	0.042		mg/Kg-dry	1	8/11/2017
Benzo(k)fluoranthene	ND	0.042		mg/Kg-dry	1	8/11/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/11/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/11/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/11/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/11/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	8/11/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/11/2017
Chrysene	ND	0.042		mg/Kg-dry	1	8/11/2017
Dibenz(a,h)anthracene	ND	0.042		mg/Kg-dry	1	8/11/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/11/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
4,6-Dinitro-2-methylphenol	ND	0.42		mg/Kg-dry	1	8/11/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/11/2017
2,4-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	8/11/2017
2,6-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	8/11/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-02 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:05:00 AM

Lab ID: 17080266-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/9/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
Fluoranthene	ND	0.042		mg/Kg-dry	1	8/11/2017
Fluorene	ND	0.042		mg/Kg-dry	1	8/11/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/11/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/11/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/11/2017
Indeno(1,2,3-cd)pyrene	ND	0.042		mg/Kg-dry	1	8/11/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Naphthalene	ND	0.042		mg/Kg-dry	1	8/11/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Nitrophenol	ND	0.42		mg/Kg-dry	1	8/11/2017
Nitrobenzene	ND	0.042		mg/Kg-dry	1	8/11/2017
N-Nitrosodi-n-propylamine	ND	0.042		mg/Kg-dry	1	8/11/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/11/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/11/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/11/2017
Pentachlorophenol	ND	0.084		mg/Kg-dry	1	8/11/2017
Phenanthrene	ND	0.042		mg/Kg-dry	1	8/11/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Pyrene	ND	0.042		mg/Kg-dry	1	8/11/2017
Pyridine	ND	0.84		mg/Kg-dry	1	8/11/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/9/2017 Analyst: JG

Aluminum	19000	22		mg/Kg-dry	10	8/11/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/11/2017
Arsenic	3.7	1.1		mg/Kg-dry	10	8/11/2017
Barium	180	1.1		mg/Kg-dry	10	8/11/2017
Beryllium	0.97	0.54		mg/Kg-dry	10	8/11/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-02 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 11:05:00 AM

Lab ID: 17080266-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.54		mg/Kg-dry	10	8/11/2017
Calcium	4800	65		mg/Kg-dry	10	8/11/2017
Chromium	27	1.1		mg/Kg-dry	10	8/11/2017
Cobalt	6.8	1.1		mg/Kg-dry	10	8/11/2017
Copper	21	2.7		mg/Kg-dry	10	8/11/2017
Iron	22000	32		mg/Kg-dry	10	8/11/2017
Lead	14	0.54		mg/Kg-dry	10	8/11/2017
Magnesium	5000	32		mg/Kg-dry	10	8/11/2017
Manganese	120	1.1		mg/Kg-dry	10	8/11/2017
Nickel	26	1.1		mg/Kg-dry	10	8/11/2017
Potassium	1200	32		mg/Kg-dry	10	8/11/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/11/2017
Silver	ND	1.1		mg/Kg-dry	10	8/11/2017
Sodium	950	65		mg/Kg-dry	10	8/11/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/11/2017
Vanadium	37	1.1		mg/Kg-dry	10	8/11/2017
Zinc	83	5.4		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/11/2017
Barium	ND	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.0057	0.0040		mg/L	2	8/11/2017
Cobalt	ND	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	2.9	0.10		mg/L	2	8/11/2017
Lead	ND	0.0020		mg/L	2	8/11/2017
Manganese	0.011	0.0040		mg/L	2	8/11/2017
Nickel	ND	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	ND	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/10/2017
Barium	0.25	0.050		mg/L	5	8/10/2017
Beryllium	ND	0.0050		mg/L	5	8/11/2017
Cadmium	ND	0.0050		mg/L	5	8/10/2017

Qualifiers:

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-02 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:05:00 AM

Lab ID: 17080266-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/10/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/10/2017
Cobalt	0.013	0.010		mg/L	5	8/10/2017
Copper	ND	0.10		mg/L	5	8/10/2017
Iron	0.26	0.25		mg/L	5	8/10/2017
Lead	0.0096	0.0050		mg/L	5	8/10/2017
Manganese	0.68	0.010		mg/L	5	8/10/2017
Nickel	0.021	0.010		mg/L	5	8/10/2017
Selenium	ND	0.010		mg/L	5	8/10/2017
Silver	ND	0.010		mg/L	5	8/10/2017
Zinc	0.14	0.050		mg/L	5	8/10/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/10/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/10/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/10/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A					Prep Date: 8/10/2017 Analyst: LB
Mercury	0.050	0.025		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/9/2017 Analyst: PBG
pH	6.45			pH Units	1	8/9/2017
Percent Moisture	D2974					Prep Date: 8/9/2017 Analyst: KKA
Percent Moisture	20.9	0.2	*	wt%	1	8/10/2017

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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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-03 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:55:00 AM

Lab ID: 17080266-005A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/8/2017		Analyst: ERP
Acetone	ND	0.077		mg/Kg-dry	1	8/14/2017
Benzene	ND	0.0052		mg/Kg-dry	1	8/14/2017
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	8/14/2017
Bromoform	ND	0.0052		mg/Kg-dry	1	8/14/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/14/2017
2-Butanone	ND	0.077		mg/Kg-dry	1	8/14/2017
Carbon disulfide	ND	0.052		mg/Kg-dry	1	8/14/2017
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	8/14/2017
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	8/14/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/14/2017
Chloroform	ND	0.0052		mg/Kg-dry	1	8/14/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/14/2017
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/14/2017
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/14/2017
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/14/2017
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/14/2017
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	8/14/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/14/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/14/2017
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	8/14/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/14/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/14/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/14/2017
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	8/14/2017
Styrene	ND	0.0052		mg/Kg-dry	1	8/14/2017
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	8/14/2017
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	8/14/2017
Toluene	ND	0.0052		mg/Kg-dry	1	8/14/2017
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/14/2017
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/14/2017
Trichloroethene	ND	0.0052		mg/Kg-dry	1	8/14/2017
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	8/14/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/14/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-03 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:55:00 AM

Lab ID: 17080266-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: DM

Acenaphthene	ND	0.041		mg/Kg-dry	1	8/11/2017
Acenaphthylene	ND	0.041		mg/Kg-dry	1	8/11/2017
Aniline	ND	0.41		mg/Kg-dry	1	8/11/2017
Anthracene	ND	0.041		mg/Kg-dry	1	8/11/2017
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	8/11/2017
Benzidine	ND	0.41		mg/Kg-dry	1	8/11/2017
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	8/11/2017
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	8/11/2017
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	8/11/2017
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	8/11/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/11/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/11/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/11/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/11/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	8/11/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/11/2017
Chrysene	ND	0.041		mg/Kg-dry	1	8/11/2017
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	8/11/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/11/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	8/11/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/11/2017
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/11/2017
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/11/2017

Qualifiers:

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-03 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:55:00 AM

Lab ID: 17080266-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/9/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
Fluoranthene	ND	0.041		mg/Kg-dry	1	8/11/2017
Fluorene	ND	0.041		mg/Kg-dry	1	8/11/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/11/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/11/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/11/2017
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	8/11/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Naphthalene	ND	0.041		mg/Kg-dry	1	8/11/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	8/11/2017
Nitrobenzene	ND	0.041		mg/Kg-dry	1	8/11/2017
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	8/11/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/11/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/11/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/11/2017
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	8/11/2017
Phenanthrene	ND	0.041		mg/Kg-dry	1	8/11/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Pyrene	ND	0.041		mg/Kg-dry	1	8/11/2017
Pyridine	ND	0.83		mg/Kg-dry	1	8/11/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/9/2017 Analyst: JG

Aluminum	20000	21		mg/Kg-dry	10	8/11/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/11/2017
Arsenic	12	1.0		mg/Kg-dry	10	8/11/2017
Barium	110	1.0		mg/Kg-dry	10	8/11/2017
Beryllium	1.2	0.52		mg/Kg-dry	10	8/11/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-03 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:55:00 AM

Lab ID: 17080266-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/11/2017
Calcium	13000	63		mg/Kg-dry	10	8/11/2017
Chromium	30	1.0		mg/Kg-dry	10	8/11/2017
Cobalt	11	1.0		mg/Kg-dry	10	8/11/2017
Copper	31	2.6		mg/Kg-dry	10	8/11/2017
Iron	35000	31		mg/Kg-dry	10	8/11/2017
Lead	19	0.52		mg/Kg-dry	10	8/11/2017
Magnesium	10000	31		mg/Kg-dry	10	8/11/2017
Manganese	610	1.0		mg/Kg-dry	10	8/11/2017
Nickel	44	1.0		mg/Kg-dry	10	8/11/2017
Potassium	2200	31		mg/Kg-dry	10	8/11/2017
Selenium	1.1	1.0		mg/Kg-dry	10	8/11/2017
Silver	ND	1.0		mg/Kg-dry	10	8/11/2017
Sodium	1600	63		mg/Kg-dry	10	8/11/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/11/2017
Vanadium	44	1.0		mg/Kg-dry	10	8/11/2017
Zinc	91	5.2		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.0098	0.0040		mg/L	2	8/11/2017
Barium	0.065	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.020	0.0040		mg/L	2	8/11/2017
Cobalt	0.0048	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	22	0.10		mg/L	2	8/11/2017
Lead	0.0073	0.0020		mg/L	2	8/11/2017
Manganese	0.14	0.0040		mg/L	2	8/11/2017
Nickel	0.025	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.060	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/10/2017
Barium	0.41	0.050		mg/L	5	8/10/2017
Beryllium	ND	0.0050		mg/L	5	8/11/2017
Cadmium	ND	0.0050		mg/L	5	8/10/2017

Qualifiers:

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J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-03 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:55:00 AM

Lab ID: 17080266-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/10/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/10/2017
Cobalt	ND	0.010		mg/L	5	8/10/2017
Copper	ND	0.10		mg/L	5	8/10/2017
Iron	ND	0.25		mg/L	5	8/10/2017
Lead	ND	0.0050		mg/L	5	8/10/2017
Manganese	0.97	0.010		mg/L	5	8/10/2017
Nickel	0.059	0.010		mg/L	5	8/10/2017
Selenium	ND	0.010		mg/L	5	8/10/2017
Silver	ND	0.010		mg/L	5	8/10/2017
Zinc	ND	0.050		mg/L	5	8/10/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/10/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.040	0.022		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/9/2017		Analyst: PBG	
pH	7.64			pH Units	1	8/9/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	20.0	0.2	*	wt%	1	8/10/2017

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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-03 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:58:00 AM

Lab ID: 17080266-006A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/8/2017		Analyst: ERP
Acetone	ND	0.070		mg/Kg-dry	1	8/14/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/14/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/14/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/14/2017
Bromomethane	ND	0.0093		mg/Kg-dry	1	8/14/2017
2-Butanone	ND	0.070		mg/Kg-dry	1	8/14/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/14/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/14/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/14/2017
Chloroethane	ND	0.0093		mg/Kg-dry	1	8/14/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/14/2017
Chloromethane	ND	0.0093		mg/Kg-dry	1	8/14/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/14/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/14/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/14/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/14/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/14/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/14/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/14/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/14/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/14/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/14/2017
Methylene chloride	ND	0.0093		mg/Kg-dry	1	8/14/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/14/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/14/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/14/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/14/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/14/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/14/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/14/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/14/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/14/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/14/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-03 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:58:00 AM

Lab ID: 17080266-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)	Prep Date: 8/9/2017	Analyst: DM

Acenaphthene	ND	0.039	mg/Kg-dry	1	8/11/2017
Acenaphthylene	ND	0.039	mg/Kg-dry	1	8/11/2017
Aniline	ND	0.39	mg/Kg-dry	1	8/11/2017
Anthracene	ND	0.039	mg/Kg-dry	1	8/11/2017
Benz(a)anthracene	ND	0.039	mg/Kg-dry	1	8/11/2017
Benzidine	ND	0.39	mg/Kg-dry	1	8/11/2017
Benzo(a)pyrene	ND	0.039	mg/Kg-dry	1	8/11/2017
Benzo(b)fluoranthene	ND	0.039	mg/Kg-dry	1	8/11/2017
Benzo(g,h,i)perylene	ND	0.039	mg/Kg-dry	1	8/11/2017
Benzo(k)fluoranthene	ND	0.039	mg/Kg-dry	1	8/11/2017
Benzoic acid	ND	0.98	mg/Kg-dry	1	8/11/2017
Benzyl alcohol	ND	0.20	mg/Kg-dry	1	8/11/2017
Bis(2-chloroethoxy)methane	ND	0.20	mg/Kg-dry	1	8/11/2017
Bis(2-chloroethyl)ether	ND	0.20	mg/Kg-dry	1	8/11/2017
Bis(2-ethylhexyl)phthalate	ND	0.98	mg/Kg-dry	1	8/11/2017
4-Bromophenyl phenyl ether	ND	0.20	mg/Kg-dry	1	8/11/2017
Butyl benzyl phthalate	ND	0.20	mg/Kg-dry	1	8/11/2017
Carbazole	ND	0.20	mg/Kg-dry	1	8/11/2017
4-Chloroaniline	ND	0.20	mg/Kg-dry	1	8/11/2017
4-Chloro-3-methylphenol	ND	0.39	mg/Kg-dry	1	8/11/2017
2-Chloronaphthalene	ND	0.20	mg/Kg-dry	1	8/11/2017
2-Chlorophenol	ND	0.20	mg/Kg-dry	1	8/11/2017
4-Chlorophenyl phenyl ether	ND	0.20	mg/Kg-dry	1	8/11/2017
Chrysene	ND	0.039	mg/Kg-dry	1	8/11/2017
Dibenz(a,h)anthracene	ND	0.039	mg/Kg-dry	1	8/11/2017
Dibenzofuran	ND	0.20	mg/Kg-dry	1	8/11/2017
1,2-Dichlorobenzene	ND	0.20	mg/Kg-dry	1	8/11/2017
1,3-Dichlorobenzene	ND	0.20	mg/Kg-dry	1	8/11/2017
1,4-Dichlorobenzene	ND	0.20	mg/Kg-dry	1	8/11/2017
3,3'-Dichlorobenzidine	ND	0.20	mg/Kg-dry	1	8/11/2017
2,4-Dichlorophenol	ND	0.20	mg/Kg-dry	1	8/11/2017
Diethyl phthalate	ND	0.20	mg/Kg-dry	1	8/11/2017
2,4-Dimethylphenol	ND	0.20	mg/Kg-dry	1	8/11/2017
Dimethyl phthalate	ND	0.20	mg/Kg-dry	1	8/11/2017
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg-dry	1	8/11/2017
2,4-Dinitrophenol	ND	0.98	mg/Kg-dry	1	8/11/2017
2,4-Dinitrotoluene	ND	0.039	mg/Kg-dry	1	8/11/2017
2,6-Dinitrotoluene	ND	0.039	mg/Kg-dry	1	8/11/2017

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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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-03 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:58:00 AM

Lab ID: 17080266-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/9/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/11/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/11/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/11/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/11/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/11/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/11/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/11/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/11/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/11/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/11/2017
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	8/11/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Pyridine	ND	0.79		mg/Kg-dry	1	8/11/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/9/2017 Analyst: JG

Aluminum	19000	21		mg/Kg-dry	10	8/11/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/11/2017
Arsenic	14	1.0		mg/Kg-dry	10	8/11/2017
Barium	200	1.0		mg/Kg-dry	10	8/11/2017
Beryllium	1.1	0.52		mg/Kg-dry	10	8/11/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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E - Value above quantitation range

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-03 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:58:00 AM

Lab ID: 17080266-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/11/2017
Calcium	16000	63		mg/Kg-dry	10	8/11/2017
Chromium	32	1.0		mg/Kg-dry	10	8/11/2017
Cobalt	15	1.0		mg/Kg-dry	10	8/11/2017
Copper	35	2.6		mg/Kg-dry	10	8/11/2017
Iron	35000	31		mg/Kg-dry	10	8/11/2017
Lead	19	0.52		mg/Kg-dry	10	8/11/2017
Magnesium	13000	31		mg/Kg-dry	10	8/11/2017
Manganese	860	1.0		mg/Kg-dry	10	8/11/2017
Nickel	38	1.0		mg/Kg-dry	10	8/11/2017
Potassium	2600	31		mg/Kg-dry	10	8/11/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/11/2017
Silver	ND	1.0		mg/Kg-dry	10	8/11/2017
Sodium	970	63		mg/Kg-dry	10	8/11/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/11/2017
Vanadium	48	1.0		mg/Kg-dry	10	8/11/2017
Zinc	92	5.2		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.0069	0.0040		mg/L	2	8/11/2017
Barium	0.040	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.013	0.0040		mg/L	2	8/11/2017
Cobalt	ND	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	13	0.10		mg/L	2	8/11/2017
Lead	0.0048	0.0020		mg/L	2	8/11/2017
Manganese	0.074	0.0040		mg/L	2	8/11/2017
Nickel	0.0097	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.038	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/10/2017
Barium	1.3	0.050		mg/L	5	8/10/2017
Beryllium	ND	0.0050		mg/L	5	8/11/2017
Cadmium	ND	0.0050		mg/L	5	8/10/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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RL - Reporting / Quantitation Limit for the analysis

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-03 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:58:00 AM

Lab ID: 17080266-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/10/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/10/2017
Cobalt	ND	0.010		mg/L	5	8/10/2017
Copper	ND	0.10		mg/L	5	8/10/2017
Iron	ND	0.25		mg/L	5	8/10/2017
Lead	ND	0.0050		mg/L	5	8/10/2017
Manganese	0.45	0.010		mg/L	5	8/10/2017
Nickel	0.013	0.010		mg/L	5	8/10/2017
Selenium	ND	0.010		mg/L	5	8/10/2017
Silver	ND	0.010		mg/L	5	8/10/2017
Zinc	ND	0.050		mg/L	5	8/10/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/10/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.025	0.023		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/9/2017		Analyst: PBG	
pH	7.72			pH Units	1	8/9/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	15.7	0.2	*	wt%	1	8/10/2017

Qualifiers:

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-04 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:47:00 AM

Lab ID: 17080266-007A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/8/2017	Analyst: ERP
Acetone	ND	0.071		mg/Kg-dry	1	8/14/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/14/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/14/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/14/2017
Bromomethane	ND	0.0095		mg/Kg-dry	1	8/14/2017
2-Butanone	ND	0.071		mg/Kg-dry	1	8/14/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/14/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/14/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/14/2017
Chloroethane	ND	0.0095		mg/Kg-dry	1	8/14/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/14/2017
Chloromethane	ND	0.0095		mg/Kg-dry	1	8/14/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/14/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/14/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/14/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/14/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/14/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/14/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/14/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/14/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/14/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/14/2017
Methylene chloride	ND	0.0095		mg/Kg-dry	1	8/14/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/14/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/14/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/14/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/14/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/14/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/14/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/14/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/14/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/14/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/14/2017

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

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-04 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:47:00 AM

Lab ID: 17080266-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: DM

Acenaphthene	ND	0.040		mg/Kg-dry	1	8/11/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/11/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/11/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/11/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/11/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/11/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/11/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/11/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/11/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/11/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/11/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/11/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/11/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/11/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/11/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/11/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/11/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/11/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/11/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/11/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/11/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/11/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/11/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-04 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:47:00 AM

Lab ID: 17080266-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/9/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/11/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/11/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/11/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/11/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/11/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/11/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/11/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/11/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/11/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/11/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/11/2017
Pentachlorophenol	ND	0.080		mg/Kg-dry	1	8/11/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/11/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/11/2017
Pyridine	ND	0.80		mg/Kg-dry	1	8/11/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/9/2017 Analyst: JG

Aluminum	15000	21		mg/Kg-dry	10	8/11/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/11/2017
Arsenic	8.3	1.1		mg/Kg-dry	10	8/11/2017
Barium	150	1.1		mg/Kg-dry	10	8/11/2017
Beryllium	0.87	0.53		mg/Kg-dry	10	8/11/2017

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E - Value above quantitation range

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-04 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:47:00 AM

Lab ID: 17080266-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.53		mg/Kg-dry	10	8/11/2017
Calcium	24000	63		mg/Kg-dry	10	8/11/2017
Chromium	23	1.1		mg/Kg-dry	10	8/11/2017
Cobalt	11	1.1		mg/Kg-dry	10	8/11/2017
Copper	26	2.6		mg/Kg-dry	10	8/11/2017
Iron	25000	32		mg/Kg-dry	10	8/11/2017
Lead	30	0.53		mg/Kg-dry	10	8/11/2017
Magnesium	14000	32		mg/Kg-dry	10	8/11/2017
Manganese	520	1.1		mg/Kg-dry	10	8/11/2017
Nickel	26	1.1		mg/Kg-dry	10	8/11/2017
Potassium	1500	32		mg/Kg-dry	10	8/11/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/11/2017
Silver	ND	1.1		mg/Kg-dry	10	8/11/2017
Sodium	810	63		mg/Kg-dry	10	8/11/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/11/2017
Vanadium	38	1.1		mg/Kg-dry	10	8/11/2017
Zinc	81	5.3		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.0061	0.0040		mg/L	2	8/11/2017
Barium	0.024	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.0049	0.0040		mg/L	2	8/11/2017
Cobalt	ND	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	4.3	0.10		mg/L	2	8/11/2017
Lead	0.0033	0.0020		mg/L	2	8/11/2017
Manganese	0.050	0.0040		mg/L	2	8/11/2017
Nickel	0.0053	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	ND	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/10/2017
Barium	1.4	0.050		mg/L	5	8/10/2017
Beryllium	ND	0.0050		mg/L	5	8/11/2017
Cadmium	ND	0.0050		mg/L	5	8/10/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-04 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:47:00 AM

Lab ID: 17080266-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/10/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/10/2017
Cobalt	0.040	0.010		mg/L	5	8/10/2017
Copper	ND	0.10		mg/L	5	8/10/2017
Iron	0.96	0.25		mg/L	5	8/10/2017
Lead	0.0074	0.0050		mg/L	5	8/10/2017
Manganese	14	0.010		mg/L	5	8/10/2017
Nickel	0.042	0.010		mg/L	5	8/10/2017
Selenium	ND	0.010		mg/L	5	8/10/2017
Silver	ND	0.010		mg/L	5	8/10/2017
Zinc	0.053	0.050		mg/L	5	8/10/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/10/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/10/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/10/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A					Prep Date: 8/10/2017 Analyst: LB
Mercury	0.026	0.022		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/9/2017 Analyst: PBG
pH	7.56			pH Units	1	8/9/2017
Percent Moisture	D2974					Prep Date: 8/9/2017 Analyst: KKA
Percent Moisture	17.4	0.2	*	wt%	1	8/10/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-04 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:50:00 AM

Lab ID: 17080266-008A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/8/2017	Analyst: ERP
Acetone	ND	0.083		mg/Kg-dry	1	8/14/2017
Benzene	ND	0.0056		mg/Kg-dry	1	8/14/2017
Bromodichloromethane	ND	0.0056		mg/Kg-dry	1	8/14/2017
Bromoform	ND	0.0056		mg/Kg-dry	1	8/14/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/14/2017
2-Butanone	ND	0.083		mg/Kg-dry	1	8/14/2017
Carbon disulfide	ND	0.056		mg/Kg-dry	1	8/14/2017
Carbon tetrachloride	ND	0.0056		mg/Kg-dry	1	8/14/2017
Chlorobenzene	ND	0.0056		mg/Kg-dry	1	8/14/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/14/2017
Chloroform	ND	0.0056		mg/Kg-dry	1	8/14/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/14/2017
Dibromochloromethane	ND	0.0056		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethane	ND	0.0056		mg/Kg-dry	1	8/14/2017
1,2-Dichloroethane	ND	0.0056		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/14/2017
cis-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/14/2017
trans-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/14/2017
1,2-Dichloropropane	ND	0.0056		mg/Kg-dry	1	8/14/2017
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/14/2017
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/14/2017
Ethylbenzene	ND	0.0056		mg/Kg-dry	1	8/14/2017
2-Hexanone	ND	0.022		mg/Kg-dry	1	8/14/2017
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	8/14/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/14/2017
Methyl tert-butyl ether	ND	0.0056		mg/Kg-dry	1	8/14/2017
Styrene	ND	0.0056		mg/Kg-dry	1	8/14/2017
1,1,2,2-Tetrachloroethane	ND	0.0056		mg/Kg-dry	1	8/14/2017
Tetrachloroethene	ND	0.0056		mg/Kg-dry	1	8/14/2017
Toluene	ND	0.0056		mg/Kg-dry	1	8/14/2017
1,1,1-Trichloroethane	ND	0.0056		mg/Kg-dry	1	8/14/2017
1,1,2-Trichloroethane	ND	0.0056		mg/Kg-dry	1	8/14/2017
Trichloroethene	ND	0.0056		mg/Kg-dry	1	8/14/2017
Vinyl chloride	ND	0.0056		mg/Kg-dry	1	8/14/2017
Xylenes, Total	ND	0.017		mg/Kg-dry	1	8/14/2017

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-04 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:50:00 AM

Lab ID: 17080266-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: DM

Acenaphthene	ND	0.040		mg/Kg-dry	1	8/11/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/11/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/11/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/11/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/11/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/11/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/11/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/11/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/11/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/11/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/11/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/11/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/11/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/11/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/11/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/11/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/11/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/11/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/11/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/11/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/11/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/11/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/11/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-04 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:50:00 AM

Lab ID: 17080266-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)	Prep Date: 8/9/2017			Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/11/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/11/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/11/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/11/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/11/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/11/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/11/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/11/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/11/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/11/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/11/2017
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	8/11/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/11/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/11/2017
Pyridine	ND	0.81		mg/Kg-dry	1	8/11/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017

Metals by ICP/MS	SW6020 (SW3050B)	Prep Date: 8/9/2017			Analyst: JG

Aluminum	13000	21		mg/Kg-dry	10	8/11/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/11/2017
Arsenic	9.5	1.0		mg/Kg-dry	10	8/11/2017
Barium	130	1.0		mg/Kg-dry	10	8/11/2017
Beryllium	0.79	0.52		mg/Kg-dry	10	8/11/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-04 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:50:00 AM

Lab ID: 17080266-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/11/2017
Calcium	52000	62		mg/Kg-dry	10	8/11/2017
Chromium	24	1.0		mg/Kg-dry	10	8/11/2017
Cobalt	11	1.0		mg/Kg-dry	10	8/11/2017
Copper	29	2.6		mg/Kg-dry	10	8/11/2017
Iron	25000	31		mg/Kg-dry	10	8/11/2017
Lead	65	0.52		mg/Kg-dry	10	8/11/2017
Magnesium	27000	31		mg/Kg-dry	10	8/11/2017
Manganese	990	1.0		mg/Kg-dry	10	8/11/2017
Nickel	29	1.0		mg/Kg-dry	10	8/11/2017
Potassium	2000	31		mg/Kg-dry	10	8/11/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/11/2017
Silver	ND	1.0		mg/Kg-dry	10	8/11/2017
Sodium	410	62		mg/Kg-dry	10	8/11/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/11/2017
Vanadium	37	1.0		mg/Kg-dry	10	8/11/2017
Zinc	88	5.2		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/11/2017
Barium	0.032	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.0043	0.0040		mg/L	2	8/11/2017
Cobalt	ND	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	2.4	0.10		mg/L	2	8/11/2017
Lead	0.0036	0.0020		mg/L	2	8/11/2017
Manganese	0.033	0.0040		mg/L	2	8/11/2017
Nickel	0.0059	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	ND	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.010	0.010		mg/L	5	8/10/2017
Barium	1.4	0.050		mg/L	5	8/10/2017
Beryllium	ND	0.0050		mg/L	5	8/11/2017
Cadmium	ND	0.0050		mg/L	5	8/10/2017

Qualifiers:

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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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-13-04 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:50:00 AM

Lab ID: 17080266-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)			Prep Date: 8/10/2017		Analyst: JG
Chromium	ND	0.010		mg/L	5	8/10/2017
Cobalt	0.085	0.010		mg/L	5	8/10/2017
Copper	ND	0.10		mg/L	5	8/10/2017
Iron	0.35	0.25		mg/L	5	8/10/2017
Lead	0.028	0.0050		mg/L	5	8/10/2017
Manganese	13	0.010		mg/L	5	8/10/2017
Nickel	0.11	0.010		mg/L	5	8/10/2017
Selenium	ND	0.010		mg/L	5	8/10/2017
Silver	ND	0.010		mg/L	5	8/10/2017
Zinc	0.17	0.050		mg/L	5	8/10/2017
TCLP Mercury	SW1311/7470A			Prep Date: 8/10/2017		Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/10/2017
SPLP Mercury	SW1312/7470A			Prep Date: 8/10/2017		Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A			Prep Date: 8/10/2017		Analyst: LB
Mercury	ND	0.023		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C			Prep Date: 8/10/2017		Analyst: RW
pH	7.71			pH Units	1	8/10/2017
Percent Moisture	D2974			Prep Date: 8/9/2017		Analyst: KKA
Percent Moisture	18.8	0.2	*	wt%	1	8/10/2017

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-16-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:39:00 AM

Lab ID: 17080266-009A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/8/2017		Analyst: ERP
Acetone	ND	0.076		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.076		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.050		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-16-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:39:00 AM

Lab ID: 17080266-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: DM

Acenaphthene	ND	0.039		mg/Kg-dry	1	8/11/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/11/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/11/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/11/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzoic acid	ND	0.98		mg/Kg-dry	1	8/11/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/11/2017
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	8/11/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/11/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/11/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/11/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/11/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/11/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/11/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/11/2017
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	8/11/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/11/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/11/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-16-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:39:00 AM

Lab ID: 17080266-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/11/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/11/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/11/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/11/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/11/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/11/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/11/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/11/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/11/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/11/2017
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	8/11/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Pyridine	ND	0.79		mg/Kg-dry	1	8/11/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG

Aluminum	15000	22		mg/Kg-dry	10	8/11/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/11/2017
Arsenic	13	1.1		mg/Kg-dry	10	8/11/2017
Barium	150	1.1		mg/Kg-dry	10	8/11/2017
Beryllium	0.80	0.54		mg/Kg-dry	10	8/11/2017

Qualifiers:

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-16-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:39:00 AM

Lab ID: 17080266-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.54		mg/Kg-dry	10	8/11/2017
Calcium	72000	65		mg/Kg-dry	10	8/11/2017
Chromium	26	1.1		mg/Kg-dry	10	8/11/2017
Cobalt	13	1.1		mg/Kg-dry	10	8/11/2017
Copper	25	2.7		mg/Kg-dry	10	8/11/2017
Iron	30000	32		mg/Kg-dry	10	8/11/2017
Lead	16	0.54		mg/Kg-dry	10	8/11/2017
Magnesium	30000	32		mg/Kg-dry	10	8/11/2017
Manganese	720	1.1		mg/Kg-dry	10	8/11/2017
Nickel	33	1.1		mg/Kg-dry	10	8/11/2017
Potassium	1900	32		mg/Kg-dry	10	8/11/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/11/2017
Silver	ND	1.1		mg/Kg-dry	10	8/11/2017
Sodium	1100	65		mg/Kg-dry	10	8/11/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/11/2017
Vanadium	44	1.1		mg/Kg-dry	10	8/11/2017
Zinc	76	5.4		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.0090	0.0040		mg/L	2	8/11/2017
Barium	0.065	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.015	0.0040		mg/L	2	8/11/2017
Cobalt	0.0042	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	17	0.10		mg/L	2	8/11/2017
Lead	0.0068	0.0020		mg/L	2	8/11/2017
Manganese	0.089	0.0040		mg/L	2	8/11/2017
Nickel	0.013	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.046	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/10/2017
Barium	0.60	0.050		mg/L	5	8/10/2017
Beryllium	ND	0.0050		mg/L	5	8/11/2017
Cadmium	ND	0.0050		mg/L	5	8/10/2017

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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-16-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:39:00 AM

Lab ID: 17080266-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/10/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/10/2017
Cobalt	ND	0.010		mg/L	5	8/10/2017
Copper	ND	0.10		mg/L	5	8/10/2017
Iron	ND	0.25		mg/L	5	8/10/2017
Lead	ND	0.0050		mg/L	5	8/10/2017
Manganese	0.18	0.010		mg/L	5	8/10/2017
Nickel	ND	0.010		mg/L	5	8/10/2017
Selenium	ND	0.010		mg/L	5	8/10/2017
Silver	ND	0.010		mg/L	5	8/10/2017
Zinc	ND	0.050		mg/L	5	8/10/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/10/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.023		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/10/2017		Analyst: RW	
pH	9.41			pH Units	1	8/10/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	16.3	0.2	*	wt%	1	8/10/2017

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-16-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:42:00 AM

Lab ID: 17080266-010A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/8/2017	Analyst: ERP
Acetone	ND	0.091		mg/Kg-dry	1	8/14/2017
Benzene	ND	0.0061		mg/Kg-dry	1	8/14/2017
Bromodichloromethane	ND	0.0061		mg/Kg-dry	1	8/14/2017
Bromoform	ND	0.0061		mg/Kg-dry	1	8/14/2017
Bromomethane	ND	0.012		mg/Kg-dry	1	8/14/2017
2-Butanone	ND	0.091		mg/Kg-dry	1	8/14/2017
Carbon disulfide	ND	0.061		mg/Kg-dry	1	8/14/2017
Carbon tetrachloride	ND	0.0061		mg/Kg-dry	1	8/14/2017
Chlorobenzene	ND	0.0061		mg/Kg-dry	1	8/14/2017
Chloroethane	ND	0.012		mg/Kg-dry	1	8/14/2017
Chloroform	ND	0.0061		mg/Kg-dry	1	8/14/2017
Chloromethane	ND	0.012		mg/Kg-dry	1	8/14/2017
Dibromochloromethane	ND	0.0061		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethane	ND	0.0061		mg/Kg-dry	1	8/14/2017
1,2-Dichloroethane	ND	0.0061		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethene	ND	0.0061		mg/Kg-dry	1	8/14/2017
cis-1,2-Dichloroethene	ND	0.0061		mg/Kg-dry	1	8/14/2017
trans-1,2-Dichloroethene	ND	0.0061		mg/Kg-dry	1	8/14/2017
1,2-Dichloropropane	ND	0.0061		mg/Kg-dry	1	8/14/2017
cis-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	8/14/2017
trans-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	8/14/2017
Ethylbenzene	ND	0.0061		mg/Kg-dry	1	8/14/2017
2-Hexanone	ND	0.024		mg/Kg-dry	1	8/14/2017
4-Methyl-2-pentanone	ND	0.024		mg/Kg-dry	1	8/14/2017
Methylene chloride	ND	0.012		mg/Kg-dry	1	8/14/2017
Methyl tert-butyl ether	ND	0.0061		mg/Kg-dry	1	8/14/2017
Styrene	ND	0.0061		mg/Kg-dry	1	8/14/2017
1,1,2,2-Tetrachloroethane	ND	0.0061		mg/Kg-dry	1	8/14/2017
Tetrachloroethene	ND	0.0061		mg/Kg-dry	1	8/14/2017
Toluene	ND	0.0061		mg/Kg-dry	1	8/14/2017
1,1,1-Trichloroethane	ND	0.0061		mg/Kg-dry	1	8/14/2017
1,1,2-Trichloroethane	ND	0.0061		mg/Kg-dry	1	8/14/2017
Trichloroethene	ND	0.0061		mg/Kg-dry	1	8/14/2017
Vinyl chloride	ND	0.0061		mg/Kg-dry	1	8/14/2017
Xylenes, Total	ND	0.018		mg/Kg-dry	1	8/14/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-16-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:42:00 AM

Lab ID: 17080266-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: DM

Acenaphthene	ND	0.041		mg/Kg-dry	1	8/11/2017
Acenaphthylene	ND	0.041		mg/Kg-dry	1	8/11/2017
Aniline	ND	0.41		mg/Kg-dry	1	8/11/2017
Anthracene	ND	0.041		mg/Kg-dry	1	8/11/2017
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	8/11/2017
Benzidine	ND	0.41		mg/Kg-dry	1	8/11/2017
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	8/11/2017
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	8/11/2017
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	8/11/2017
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	8/11/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/11/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/11/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/11/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/11/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	8/11/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/11/2017
Chrysene	ND	0.041		mg/Kg-dry	1	8/11/2017
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	8/11/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/11/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	8/11/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/11/2017
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/11/2017
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/11/2017

Qualifiers:

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Report Date: August 17, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-16-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:42:00 AM

Lab ID: 17080266-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/9/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
Fluoranthene	ND	0.041		mg/Kg-dry	1	8/11/2017
Fluorene	ND	0.041		mg/Kg-dry	1	8/11/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/11/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/11/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/11/2017
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	8/11/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Naphthalene	ND	0.041		mg/Kg-dry	1	8/11/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	8/11/2017
Nitrobenzene	ND	0.041		mg/Kg-dry	1	8/11/2017
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	8/11/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/11/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/11/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/11/2017
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	8/11/2017
Phenanthrene	ND	0.041		mg/Kg-dry	1	8/11/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Pyrene	ND	0.041		mg/Kg-dry	1	8/11/2017
Pyridine	ND	0.83		mg/Kg-dry	1	8/11/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/9/2017 Analyst: JG

Aluminum	14000	22		mg/Kg-dry	10	8/11/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/11/2017
Arsenic	14	1.1		mg/Kg-dry	10	8/11/2017
Barium	150	1.1		mg/Kg-dry	10	8/11/2017
Beryllium	0.83	0.55		mg/Kg-dry	10	8/11/2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-16-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:42:00 AM

Lab ID: 17080266-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.55		mg/Kg-dry	10	8/11/2017
Calcium	60000	66		mg/Kg-dry	10	8/11/2017
Chromium	25	1.1		mg/Kg-dry	10	8/11/2017
Cobalt	16	1.1		mg/Kg-dry	10	8/11/2017
Copper	31	2.8		mg/Kg-dry	10	8/11/2017
Iron	33000	33		mg/Kg-dry	10	8/11/2017
Lead	18	0.55		mg/Kg-dry	10	8/11/2017
Magnesium	31000	33		mg/Kg-dry	10	8/11/2017
Manganese	1000	1.1		mg/Kg-dry	10	8/11/2017
Nickel	38	1.1		mg/Kg-dry	10	8/11/2017
Potassium	2200	33		mg/Kg-dry	10	8/11/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/11/2017
Silver	ND	1.1		mg/Kg-dry	10	8/11/2017
Sodium	970	66		mg/Kg-dry	10	8/11/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/11/2017
Vanadium	42	1.1		mg/Kg-dry	10	8/11/2017
Zinc	81	5.5		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.0073	0.0040		mg/L	2	8/11/2017
Barium	0.049	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.013	0.0040		mg/L	2	8/11/2017
Cobalt	ND	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	15	0.10		mg/L	2	8/11/2017
Lead	0.0059	0.0020		mg/L	2	8/11/2017
Manganese	0.081	0.0040		mg/L	2	8/11/2017
Nickel	0.011	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.044	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/10/2017
Barium	1.1	0.050		mg/L	5	8/10/2017
Beryllium	ND	0.0050		mg/L	5	8/11/2017
Cadmium	ND	0.0050		mg/L	5	8/10/2017

Qualifiers:

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STAT Analysis Corporation

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

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-16-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:42:00 AM

Lab ID: 17080266-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/10/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/10/2017
Cobalt	ND	0.010		mg/L	5	8/10/2017
Copper	ND	0.10		mg/L	5	8/10/2017
Iron	ND	0.25		mg/L	5	8/10/2017
Lead	ND	0.0050		mg/L	5	8/10/2017
Manganese	1.1	0.010		mg/L	5	8/10/2017
Nickel	0.012	0.010		mg/L	5	8/10/2017
Selenium	ND	0.010		mg/L	5	8/10/2017
Silver	ND	0.010		mg/L	5	8/10/2017
Zinc	ND	0.050		mg/L	5	8/10/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/10/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.026	0.022		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/10/2017		Analyst: RW	
pH	8.54			pH Units	1	8/10/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	20.0	0.2	*	wt%	1	8/10/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-16-02 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:30:00 AM

Lab ID: 17080266-011A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/8/2017	Analyst: ERP
Acetone	ND	0.084		mg/Kg-dry	1	8/14/2017
Benzene	ND	0.0056		mg/Kg-dry	1	8/14/2017
Bromodichloromethane	ND	0.0056		mg/Kg-dry	1	8/14/2017
Bromoform	ND	0.0056		mg/Kg-dry	1	8/14/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/14/2017
2-Butanone	ND	0.084		mg/Kg-dry	1	8/14/2017
Carbon disulfide	ND	0.056		mg/Kg-dry	1	8/14/2017
Carbon tetrachloride	ND	0.0056		mg/Kg-dry	1	8/14/2017
Chlorobenzene	ND	0.0056		mg/Kg-dry	1	8/14/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/14/2017
Chloroform	ND	0.0056		mg/Kg-dry	1	8/14/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/14/2017
Dibromochloromethane	ND	0.0056		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethane	ND	0.0056		mg/Kg-dry	1	8/14/2017
1,2-Dichloroethane	ND	0.0056		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/14/2017
cis-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/14/2017
trans-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/14/2017
1,2-Dichloropropane	ND	0.0056		mg/Kg-dry	1	8/14/2017
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/14/2017
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/14/2017
Ethylbenzene	ND	0.0056		mg/Kg-dry	1	8/14/2017
2-Hexanone	ND	0.022		mg/Kg-dry	1	8/14/2017
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	8/14/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/14/2017
Methyl tert-butyl ether	ND	0.0056		mg/Kg-dry	1	8/14/2017
Styrene	ND	0.0056		mg/Kg-dry	1	8/14/2017
1,1,2,2-Tetrachloroethane	ND	0.0056		mg/Kg-dry	1	8/14/2017
Tetrachloroethene	ND	0.0056		mg/Kg-dry	1	8/14/2017
Toluene	ND	0.0056		mg/Kg-dry	1	8/14/2017
1,1,1-Trichloroethane	ND	0.0056		mg/Kg-dry	1	8/14/2017
1,1,2-Trichloroethane	ND	0.0056		mg/Kg-dry	1	8/14/2017
Trichloroethene	ND	0.0056		mg/Kg-dry	1	8/14/2017
Vinyl chloride	ND	0.0056		mg/Kg-dry	1	8/14/2017
Xylenes, Total	ND	0.017		mg/Kg-dry	1	8/14/2017

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-16-02 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:30:00 AM

Lab ID: 17080266-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: DM
Acenaphthene	ND	0.042		mg/Kg-dry	1	8/11/2017
Acenaphthylene	ND	0.042		mg/Kg-dry	1	8/11/2017
Aniline	ND	0.42		mg/Kg-dry	1	8/11/2017
Anthracene	ND	0.042		mg/Kg-dry	1	8/11/2017
Benz(a)anthracene	ND	0.042		mg/Kg-dry	1	8/11/2017
Benzidine	ND	0.42		mg/Kg-dry	1	8/11/2017
Benzo(a)pyrene	ND	0.042		mg/Kg-dry	1	8/11/2017
Benzo(b)fluoranthene	ND	0.042		mg/Kg-dry	1	8/11/2017
Benzo(g,h,i)perylene	ND	0.042		mg/Kg-dry	1	8/11/2017
Benzo(k)fluoranthene	ND	0.042		mg/Kg-dry	1	8/11/2017
Benzoic acid	ND	1.1		mg/Kg-dry	1	8/11/2017
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	8/11/2017
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	8/11/2017
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	8/11/2017
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	8/11/2017
Carbazole	ND	0.22		mg/Kg-dry	1	8/11/2017
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	8/11/2017
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	8/11/2017
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	8/11/2017
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	8/11/2017
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	8/11/2017
Chrysene	ND	0.042		mg/Kg-dry	1	8/11/2017
Dibenz(a,h)anthracene	ND	0.042		mg/Kg-dry	1	8/11/2017
Dibenzofuran	ND	0.22		mg/Kg-dry	1	8/11/2017
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/11/2017
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/11/2017
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/11/2017
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	8/11/2017
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	8/11/2017
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	8/11/2017
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	8/11/2017
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	8/11/2017
4,6-Dinitro-2-methylphenol	ND	0.42		mg/Kg-dry	1	8/11/2017
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	8/11/2017
2,4-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	8/11/2017
2,6-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	8/11/2017

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-16-02 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:30:00 AM

Lab ID: 17080266-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)	Prep Date: 8/9/2017			Analyst: DM

Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	8/11/2017
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	8/11/2017
Fluoranthene	ND	0.042		mg/Kg-dry	1	8/11/2017
Fluorene	ND	0.042		mg/Kg-dry	1	8/11/2017
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	8/11/2017
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	8/11/2017
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	8/11/2017
Hexachloroethane	ND	0.22		mg/Kg-dry	1	8/11/2017
Indeno(1,2,3-cd)pyrene	ND	0.042		mg/Kg-dry	1	8/11/2017
Isophorone	ND	0.22		mg/Kg-dry	1	8/11/2017
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	8/11/2017
2-Methylphenol	ND	0.22		mg/Kg-dry	1	8/11/2017
4-Methylphenol	ND	0.22		mg/Kg-dry	1	8/11/2017
Naphthalene	ND	0.042		mg/Kg-dry	1	8/11/2017
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/11/2017
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/11/2017
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/11/2017
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	8/11/2017
4-Nitrophenol	ND	0.42		mg/Kg-dry	1	8/11/2017
Nitrobenzene	ND	0.042		mg/Kg-dry	1	8/11/2017
N-Nitrosodi-n-propylamine	ND	0.042		mg/Kg-dry	1	8/11/2017
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	8/11/2017
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	8/11/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	8/11/2017
Pentachlorophenol	ND	0.085		mg/Kg-dry	1	8/11/2017
Phenanthrene	ND	0.042		mg/Kg-dry	1	8/11/2017
Phenol	ND	0.22		mg/Kg-dry	1	8/11/2017
Pyrene	ND	0.042		mg/Kg-dry	1	8/11/2017
Pyridine	ND	0.85		mg/Kg-dry	1	8/11/2017
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	8/11/2017
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	8/11/2017
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	8/11/2017

Metals by ICP/MS	SW6020 (SW3050B)	Prep Date: 8/9/2017			Analyst: JG

Aluminum	17000	22		mg/Kg-dry	10	8/11/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/11/2017
Arsenic	6.0	1.1		mg/Kg-dry	10	8/11/2017
Barium	140	1.1		mg/Kg-dry	10	8/11/2017
Beryllium	1.0	0.55		mg/Kg-dry	10	8/11/2017

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-16-02 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:30:00 AM

Lab ID: 17080266-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.55		mg/Kg-dry	10	8/11/2017
Calcium	5200	66		mg/Kg-dry	10	8/11/2017
Chromium	27	1.1		mg/Kg-dry	10	8/11/2017
Cobalt	14	1.1		mg/Kg-dry	10	8/11/2017
Copper	29	2.7		mg/Kg-dry	10	8/11/2017
Iron	27000	33		mg/Kg-dry	10	8/11/2017
Lead	20	0.55		mg/Kg-dry	10	8/11/2017
Magnesium	6000	33		mg/Kg-dry	10	8/11/2017
Manganese	910	1.1		mg/Kg-dry	10	8/11/2017
Nickel	44	1.1		mg/Kg-dry	10	8/11/2017
Potassium	1900	33		mg/Kg-dry	10	8/11/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/11/2017
Silver	ND	1.1		mg/Kg-dry	10	8/11/2017
Sodium	2000	66		mg/Kg-dry	10	8/11/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/11/2017
Vanadium	37	1.1		mg/Kg-dry	10	8/11/2017
Zinc	79	5.5		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.012	0.0040		mg/L	2	8/11/2017
Barium	0.12	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.038	0.0040		mg/L	2	8/11/2017
Cobalt	0.0069	0.0040		mg/L	2	8/11/2017
Copper	0.045	0.040		mg/L	2	8/11/2017
Iron	38	0.10		mg/L	2	8/11/2017
Lead	0.010	0.0020		mg/L	2	8/11/2017
Manganese	0.13	0.0040		mg/L	2	8/11/2017
Nickel	0.033	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.11	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/11/2017
Barium	0.42	0.050		mg/L	5	8/11/2017
Beryllium	ND	0.0050		mg/L	5	8/11/2017
Cadmium	ND	0.0050		mg/L	5	8/11/2017

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Lab ID: 17080266-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/10/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/11/2017
Cobalt	ND	0.010		mg/L	5	8/11/2017
Copper	ND	0.10		mg/L	5	8/11/2017
Iron	0.37	0.25		mg/L	5	8/11/2017
Lead	ND	0.0050		mg/L	5	8/11/2017
Manganese	0.015	0.010		mg/L	5	8/11/2017
Nickel	ND	0.010		mg/L	5	8/11/2017
Selenium	ND	0.010		mg/L	5	8/11/2017
Silver	ND	0.010		mg/L	5	8/11/2017
Zinc	ND	0.050		mg/L	5	8/11/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/10/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.035	0.019		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/10/2017		Analyst: RW	
pH	8.37			pH Units	1	8/10/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	21.8	0.2	*	wt%	1	8/10/2017

Qualifiers:

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ANALYTICAL RESULTS

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Client Sample ID: 2531V-16-02 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:33:00 AM

Lab ID: 17080266-012A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/8/2017		Analyst: ART
Acetone	ND	0.077		mg/Kg-dry	1	8/14/2017
Benzene	ND	0.0052		mg/Kg-dry	1	8/14/2017
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	8/14/2017
Bromoform	ND	0.0052		mg/Kg-dry	1	8/14/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/14/2017
2-Butanone	ND	0.077		mg/Kg-dry	1	8/14/2017
Carbon disulfide	ND	0.052		mg/Kg-dry	1	8/14/2017
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	8/14/2017
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	8/14/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/14/2017
Chloroform	ND	0.0052		mg/Kg-dry	1	8/14/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/14/2017
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/14/2017
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/14/2017
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/14/2017
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/14/2017
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	8/14/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/14/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/14/2017
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	8/14/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/14/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/14/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/14/2017
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	8/14/2017
Styrene	ND	0.0052		mg/Kg-dry	1	8/14/2017
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	8/14/2017
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	8/14/2017
Toluene	ND	0.0052		mg/Kg-dry	1	8/14/2017
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/14/2017
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/14/2017
Trichloroethene	ND	0.0052		mg/Kg-dry	1	8/14/2017
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	8/14/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/14/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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* - Non-accredited parameter

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-16-02 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:33:00 AM

Lab ID: 17080266-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: DM

Acenaphthene	ND	0.041		mg/Kg-dry	1	8/11/2017
Acenaphthylene	ND	0.041		mg/Kg-dry	1	8/11/2017
Aniline	ND	0.41		mg/Kg-dry	1	8/11/2017
Anthracene	ND	0.041		mg/Kg-dry	1	8/11/2017
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	8/11/2017
Benzidine	ND	0.41		mg/Kg-dry	1	8/11/2017
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	8/11/2017
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	8/11/2017
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	8/11/2017
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	8/11/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/11/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/11/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/11/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/11/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	8/11/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/11/2017
Chrysene	ND	0.041		mg/Kg-dry	1	8/11/2017
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	8/11/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/11/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	8/11/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/11/2017
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/11/2017
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/11/2017

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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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: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-16-02 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:33:00 AM

Lab ID: 17080266-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/9/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
Fluoranthene	ND	0.041		mg/Kg-dry	1	8/11/2017
Fluorene	ND	0.041		mg/Kg-dry	1	8/11/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/11/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/11/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/11/2017
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	8/11/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Naphthalene	ND	0.041		mg/Kg-dry	1	8/11/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	8/11/2017
Nitrobenzene	ND	0.041		mg/Kg-dry	1	8/11/2017
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	8/11/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/11/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/11/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/11/2017
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	8/11/2017
Phenanthrene	ND	0.041		mg/Kg-dry	1	8/11/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Pyrene	ND	0.041		mg/Kg-dry	1	8/11/2017
Pyridine	ND	0.83		mg/Kg-dry	1	8/11/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/9/2017 Analyst: JG

Aluminum	11000	21		mg/Kg-dry	10	8/11/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/11/2017
Arsenic	9.3	1.1		mg/Kg-dry	10	8/11/2017
Barium	110	1.1		mg/Kg-dry	10	8/11/2017
Beryllium	0.64	0.53		mg/Kg-dry	10	8/11/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-16-02 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:33:00 AM

Lab ID: 17080266-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.53		mg/Kg-dry	10	8/11/2017
Calcium	47000	64		mg/Kg-dry	10	8/11/2017
Chromium	20	1.1		mg/Kg-dry	10	8/11/2017
Cobalt	10	1.1		mg/Kg-dry	10	8/11/2017
Copper	25	2.7		mg/Kg-dry	10	8/11/2017
Iron	23000	32		mg/Kg-dry	10	8/11/2017
Lead	15	0.53		mg/Kg-dry	10	8/11/2017
Magnesium	27000	32		mg/Kg-dry	10	8/11/2017
Manganese	660	1.1		mg/Kg-dry	10	8/11/2017
Nickel	29	1.1		mg/Kg-dry	10	8/11/2017
Potassium	1800	32		mg/Kg-dry	10	8/11/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/11/2017
Silver	ND	1.1		mg/Kg-dry	10	8/11/2017
Sodium	1900	64		mg/Kg-dry	10	8/11/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/11/2017
Vanadium	33	1.1		mg/Kg-dry	10	8/11/2017
Zinc	68	5.3		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.010	0.0040		mg/L	2	8/11/2017
Barium	0.067	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.019	0.0040		mg/L	2	8/11/2017
Cobalt	0.0045	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	25	0.10		mg/L	2	8/11/2017
Lead	0.0099	0.0020		mg/L	2	8/11/2017
Manganese	0.12	0.0040		mg/L	2	8/11/2017
Nickel	0.017	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.071	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.88	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-16-02 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:33:00 AM

Lab ID: 17080266-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/12/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	0.82	0.010		mg/L	5	8/15/2017
Nickel	0.015	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.024	0.019		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/10/2017		Analyst: RW	
pH	8.32			pH Units	1	8/10/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	20.1	0.2	*	wt%	1	8/10/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-17-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:21:00 AM

Lab ID: 17080266-013A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/8/2017	Analyst: ART
Acetone	ND	0.080		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0053		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0053		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0053		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.080		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.053		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0053		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0053		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0053		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0053		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0053		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0053		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0053		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0053		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0053		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0053		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0053		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0053		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0053		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/15/2017

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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-17-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:21:00 AM

Lab ID: 17080266-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: DM

Acenaphthene	ND	0.039		mg/Kg-dry	1	8/11/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/11/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/11/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/11/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/11/2017
Benzoic acid	ND	0.99		mg/Kg-dry	1	8/11/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/11/2017
Bis(2-ethylhexyl)phthalate	ND	0.99		mg/Kg-dry	1	8/11/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/11/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/11/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/11/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/11/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/11/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/11/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/11/2017
2,4-Dinitrophenol	ND	0.99		mg/Kg-dry	1	8/11/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/11/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/11/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-17-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:21:00 AM

Lab ID: 17080266-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)	Prep Date: 8/9/2017			Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/11/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/11/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/11/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/11/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/11/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/11/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/11/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/11/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/11/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/11/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/11/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/11/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/11/2017
Pentachlorophenol	ND	0.080		mg/Kg-dry	1	8/11/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/11/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/11/2017
Pyridine	ND	0.80		mg/Kg-dry	1	8/11/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/11/2017

Metals by ICP/MS	SW6020 (SW3050B)	Prep Date: 8/9/2017			Analyst: JG

Aluminum	21000	20		mg/Kg-dry	10	8/11/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/11/2017
Arsenic	12	1.0		mg/Kg-dry	10	8/11/2017
Barium	130	1.0		mg/Kg-dry	10	8/11/2017
Beryllium	0.91	0.51		mg/Kg-dry	10	8/11/2017

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-17-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:21:00 AM

Lab ID: 17080266-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/11/2017
Calcium	3300	61		mg/Kg-dry	10	8/11/2017
Chromium	30	1.0		mg/Kg-dry	10	8/11/2017
Cobalt	15	1.0		mg/Kg-dry	10	8/11/2017
Copper	30	2.6		mg/Kg-dry	10	8/11/2017
Iron	35000	31		mg/Kg-dry	10	8/11/2017
Lead	50	0.51		mg/Kg-dry	10	8/11/2017
Magnesium	4800	31		mg/Kg-dry	10	8/11/2017
Manganese	980	1.0		mg/Kg-dry	10	8/11/2017
Nickel	32	1.0		mg/Kg-dry	10	8/11/2017
Potassium	1900	31		mg/Kg-dry	10	8/11/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/11/2017
Silver	ND	1.0		mg/Kg-dry	10	8/11/2017
Sodium	1600	61		mg/Kg-dry	10	8/11/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/11/2017
Vanadium	47	1.0		mg/Kg-dry	10	8/11/2017
Zinc	83	5.1		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.012	0.0040		mg/L	2	8/11/2017
Barium	0.089	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.027	0.0040		mg/L	2	8/11/2017
Cobalt	0.0059	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	30	0.10		mg/L	2	8/11/2017
Lead	0.0098	0.0020		mg/L	2	8/11/2017
Manganese	0.19	0.0040		mg/L	2	8/11/2017
Nickel	0.026	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.072	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.26	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-17-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:21:00 AM

Lab ID: 17080266-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/12/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	0.27	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	0.52	0.010		mg/L	5	8/15/2017
Nickel	ND	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/10/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A					Prep Date: 8/10/2017 Analyst: LB
Mercury	0.042	0.023		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/10/2017 Analyst: RW
pH	7.80			pH Units	1	8/10/2017
Percent Moisture	D2974					Prep Date: 8/9/2017 Analyst: KKA
Percent Moisture	16.9	0.2	*	wt%	1	8/10/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-17-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:24:00 AM

Lab ID: 17080266-014A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/8/2017		Analyst: ART
Acetone	ND	0.073		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0049		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0097		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.073		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.049		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0097		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0049		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0097		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0097		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-17-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:24:00 AM

Lab ID: 17080266-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: DM
Acenaphthene	ND	0.042		mg/Kg-dry	1	8/11/2017
Acenaphthylene	ND	0.042		mg/Kg-dry	1	8/11/2017
Aniline	ND	0.42		mg/Kg-dry	1	8/11/2017
Anthracene	ND	0.042		mg/Kg-dry	1	8/11/2017
Benz(a)anthracene	ND	0.042		mg/Kg-dry	1	8/11/2017
Benzidine	ND	0.42		mg/Kg-dry	1	8/11/2017
Benzo(a)pyrene	ND	0.042		mg/Kg-dry	1	8/11/2017
Benzo(b)fluoranthene	ND	0.042		mg/Kg-dry	1	8/11/2017
Benzo(g,h,i)perylene	ND	0.042		mg/Kg-dry	1	8/11/2017
Benzo(k)fluoranthene	ND	0.042		mg/Kg-dry	1	8/11/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/11/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/11/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/11/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/11/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	8/11/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/11/2017
Chrysene	ND	0.042		mg/Kg-dry	1	8/11/2017
Dibenz(a,h)anthracene	ND	0.042		mg/Kg-dry	1	8/11/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/11/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
4,6-Dinitro-2-methylphenol	ND	0.42		mg/Kg-dry	1	8/11/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/11/2017
2,4-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	8/11/2017
2,6-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	8/11/2017

Qualifiers:

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H - Holding time exceeded

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

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-17-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:24:00 AM

Lab ID: 17080266-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: DM

Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/11/2017
Fluoranthene	ND	0.042		mg/Kg-dry	1	8/11/2017
Fluorene	ND	0.042		mg/Kg-dry	1	8/11/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/11/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/11/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/11/2017
Indeno(1,2,3-cd)pyrene	ND	0.042		mg/Kg-dry	1	8/11/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Naphthalene	ND	0.042		mg/Kg-dry	1	8/11/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/11/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
4-Nitrophenol	ND	0.42		mg/Kg-dry	1	8/11/2017
Nitrobenzene	ND	0.042		mg/Kg-dry	1	8/11/2017
N-Nitrosodi-n-propylamine	ND	0.042		mg/Kg-dry	1	8/11/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/11/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/11/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/11/2017
Pentachlorophenol	ND	0.085		mg/Kg-dry	1	8/11/2017
Phenanthrene	ND	0.042		mg/Kg-dry	1	8/11/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/11/2017
Pyrene	ND	0.042		mg/Kg-dry	1	8/11/2017
Pyridine	ND	0.85		mg/Kg-dry	1	8/11/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/11/2017

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG

Aluminum	15000	23		mg/Kg-dry	10	8/11/2017
Antimony	ND	2.3		mg/Kg-dry	10	8/11/2017
Arsenic	11	1.2		mg/Kg-dry	10	8/11/2017
Barium	140	1.2		mg/Kg-dry	10	8/11/2017
Beryllium	0.81	0.58		mg/Kg-dry	10	8/11/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

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* - Non-accredited parameter

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-17-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:24:00 AM

Lab ID: 17080266-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.58		mg/Kg-dry	10	8/11/2017
Calcium	36000	69		mg/Kg-dry	10	8/11/2017
Chromium	26	1.2		mg/Kg-dry	10	8/11/2017
Cobalt	9.7	1.2		mg/Kg-dry	10	8/11/2017
Copper	29	2.9		mg/Kg-dry	10	8/11/2017
Iron	29000	35		mg/Kg-dry	10	8/11/2017
Lead	13	0.58		mg/Kg-dry	10	8/11/2017
Magnesium	23000	35		mg/Kg-dry	10	8/11/2017
Manganese	490	1.2		mg/Kg-dry	10	8/11/2017
Nickel	29	1.2		mg/Kg-dry	10	8/11/2017
Potassium	2000	35		mg/Kg-dry	10	8/11/2017
Selenium	ND	1.2		mg/Kg-dry	10	8/11/2017
Silver	ND	1.2		mg/Kg-dry	10	8/11/2017
Sodium	1100	69		mg/Kg-dry	10	8/11/2017
Thallium	ND	1.2		mg/Kg-dry	10	8/11/2017
Vanadium	41	1.2		mg/Kg-dry	10	8/11/2017
Zinc	79	5.8		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.010	0.0040		mg/L	2	8/11/2017
Barium	0.034	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.012	0.0040		mg/L	2	8/11/2017
Cobalt	ND	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	17	0.10		mg/L	2	8/11/2017
Lead	0.0057	0.0020		mg/L	2	8/11/2017
Manganese	0.078	0.0040		mg/L	2	8/11/2017
Nickel	0.013	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.046	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	1.0	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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E - Value above quantitation range

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-17-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:24:00 AM

Lab ID: 17080266-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/12/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	0.40	0.010		mg/L	5	8/15/2017
Nickel	0.011	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/10/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A					Prep Date: 8/10/2017 Analyst: LB
Mercury	0.029	0.021		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/10/2017 Analyst: RW
pH	7.72			pH Units	1	8/10/2017
Percent Moisture	D2974					Prep Date: 8/9/2017 Analyst: KKA
Percent Moisture	21.8	0.2	*	wt%	1	8/10/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:10:00 AM

Lab ID: 17080266-015A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/8/2017		Analyst: ART
Acetone	ND	0.072		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0097		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.072		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.048		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0097		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0097		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0097		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:10:00 AM

Lab ID: 17080266-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/11/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/11/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/11/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/11/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/11/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/11/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/11/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/11/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/11/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/11/2017
Benzoic acid	ND	0.94		mg/Kg-dry	1	8/11/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/11/2017
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	8/11/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/11/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/11/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/11/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/11/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/11/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/11/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/11/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/11/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/11/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/11/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/11/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/11/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/11/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/11/2017
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	8/11/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/11/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/11/2017

Qualifiers:

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Report Date: August 17, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:10:00 AM

Lab ID: 17080266-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)	Prep Date: 8/9/2017			Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/11/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/11/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/11/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/11/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/11/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/11/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/11/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/11/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/11/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/11/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/11/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/11/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/11/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/11/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/11/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/11/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/11/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/11/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/11/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/11/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/11/2017
Pentachlorophenol	ND	0.076		mg/Kg-dry	1	8/11/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/11/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/11/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/11/2017
Pyridine	ND	0.76		mg/Kg-dry	1	8/11/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/11/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/11/2017

Metals by ICP/MS	SW6020 (SW3050B)	Prep Date: 8/9/2017			Analyst: JG

Aluminum	17000	20		mg/Kg-dry	10	8/11/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/11/2017
Arsenic	12	0.98		mg/Kg-dry	10	8/11/2017
Barium	81	0.98		mg/Kg-dry	10	8/11/2017
Beryllium	1.1	0.49		mg/Kg-dry	10	8/11/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:10:00 AM

Lab ID: 17080266-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/11/2017
Calcium	48000	59		mg/Kg-dry	10	8/11/2017
Chromium	28	0.98		mg/Kg-dry	10	8/11/2017
Cobalt	17	0.98		mg/Kg-dry	10	8/11/2017
Copper	32	2.5		mg/Kg-dry	10	8/11/2017
Iron	35000	29		mg/Kg-dry	10	8/11/2017
Lead	71	0.49		mg/Kg-dry	10	8/11/2017
Magnesium	28000	29		mg/Kg-dry	10	8/11/2017
Manganese	930	0.98		mg/Kg-dry	10	8/11/2017
Nickel	37	0.98		mg/Kg-dry	10	8/11/2017
Potassium	2200	29		mg/Kg-dry	10	8/11/2017
Selenium	ND	0.98		mg/Kg-dry	10	8/11/2017
Silver	ND	0.98		mg/Kg-dry	10	8/11/2017
Sodium	1800	59		mg/Kg-dry	10	8/11/2017
Thallium	ND	0.98		mg/Kg-dry	10	8/11/2017
Vanadium	36	0.98		mg/Kg-dry	10	8/11/2017
Zinc	90	4.9		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.014	0.0040		mg/L	2	8/11/2017
Barium	0.073	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.024	0.0040		mg/L	2	8/11/2017
Cobalt	0.012	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	28	0.10		mg/L	2	8/11/2017
Lead	0.11	0.0020		mg/L	2	8/11/2017
Manganese	0.34	0.0040		mg/L	2	8/11/2017
Nickel	0.032	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.089	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.70	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

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

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-01 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:10:00 AM

Lab ID: 17080266-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/12/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	0.014	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	0.016	0.0050		mg/L	5	8/15/2017
Manganese	6.6	0.010		mg/L	5	8/15/2017
Nickel	0.017	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.033	0.019		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/10/2017		Analyst: RW	
pH	8.95			pH Units	1	8/10/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	13.4	0.2	*	wt%	1	8/10/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:12:00 AM

Lab ID: 17080266-016A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/8/2017	Analyst: ART
Acetone	ND	0.070		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0046		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0093		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.070		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.046		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0093		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0046		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0093		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0093		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:12:00 AM

Lab ID: 17080266-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/11/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/11/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/11/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/11/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/11/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/11/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/11/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/11/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/11/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/11/2017
Benzoic acid	ND	0.94		mg/Kg-dry	1	8/11/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/11/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/11/2017
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	8/11/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/11/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/11/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/11/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/11/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/11/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/11/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/11/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/11/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/11/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/11/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/11/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/11/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/11/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/11/2017
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	8/11/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/11/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/11/2017

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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E - Value above quantitation range

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:12:00 AM

Lab ID: 17080266-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS

SW8270C (SW3550B)

Prep Date: 8/9/2017

Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/11/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/11/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/11/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/11/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/11/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/11/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/11/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/11/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/11/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/11/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/11/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/11/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/11/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/11/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/11/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/11/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/11/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/11/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/11/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/11/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/11/2017
Pentachlorophenol	ND	0.076		mg/Kg-dry	1	8/11/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/11/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/11/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/11/2017
Pyridine	ND	0.76		mg/Kg-dry	1	8/11/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/11/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/11/2017

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Aluminum	15000	20		mg/Kg-dry	10	8/11/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/11/2017
Arsenic	10	0.98		mg/Kg-dry	10	8/11/2017
Barium	110	0.98		mg/Kg-dry	10	8/11/2017
Beryllium	0.83	0.49		mg/Kg-dry	10	8/11/2017

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

H - Holding time exceeded

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Report Date: August 17, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:12:00 AM

Lab ID: 17080266-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/11/2017
Calcium	48000	59		mg/Kg-dry	10	8/11/2017
Chromium	26	0.98		mg/Kg-dry	10	8/11/2017
Cobalt	13	0.98		mg/Kg-dry	10	8/11/2017
Copper	27	2.5		mg/Kg-dry	10	8/11/2017
Iron	29000	30		mg/Kg-dry	10	8/11/2017
Lead	87	0.49		mg/Kg-dry	10	8/11/2017
Magnesium	26000	30		mg/Kg-dry	10	8/11/2017
Manganese	560	0.98		mg/Kg-dry	10	8/11/2017
Nickel	29	0.98		mg/Kg-dry	10	8/11/2017
Potassium	1800	30		mg/Kg-dry	10	8/11/2017
Selenium	ND	0.98		mg/Kg-dry	10	8/11/2017
Silver	ND	0.98		mg/Kg-dry	10	8/11/2017
Sodium	1800	59		mg/Kg-dry	10	8/11/2017
Thallium	ND	0.98		mg/Kg-dry	10	8/11/2017
Vanadium	33	0.98		mg/Kg-dry	10	8/11/2017
Zinc	79	4.9		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.013	0.0040		mg/L	2	8/11/2017
Barium	0.067	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.021	0.0040		mg/L	2	8/11/2017
Cobalt	0.012	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	25	0.10		mg/L	2	8/11/2017
Lead	0.075	0.0020		mg/L	2	8/11/2017
Manganese	0.34	0.0040		mg/L	2	8/11/2017
Nickel	0.030	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.073	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.90	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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* - Non-accredited parameter

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-01 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:12:00 AM

Lab ID: 17080266-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/12/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	0.028	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	0.36	0.25		mg/L	5	8/15/2017
Lead	0.026	0.0050		mg/L	5	8/15/2017
Manganese	17	0.010		mg/L	5	8/15/2017
Nickel	0.022	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.027	0.019		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/10/2017		Analyst: RW	
pH	8.58			pH Units	1	8/10/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	13.4	0.2	*	wt%	1	8/10/2017

Qualifiers:

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-02 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:02:00 AM

Lab ID: 17080266-017A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/8/2017		Analyst: ART
Acetone	0.14	0.087		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0058		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0058		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0058		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.012		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.087		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.058		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0058		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0058		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.012		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0058		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.012		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0058		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0058		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0058		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0058		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0058		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0058		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0058		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0058		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.023		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.023		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.012		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0058		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0058		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0058		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0058		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0058		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0058		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0058		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0058		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0058		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.017		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-02 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:02:00 AM

Lab ID: 17080266-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: MEP
Acenaphthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.041		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.41		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.41		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.041		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/13/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-02 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:02:00 AM

Lab ID: 17080266-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.041		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.041		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.041		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.83		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	15000	21		mg/Kg-dry	10	8/11/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/11/2017
Arsenic	10	1.1		mg/Kg-dry	10	8/11/2017
Barium	120	1.1		mg/Kg-dry	10	8/11/2017
Beryllium	0.98	0.53		mg/Kg-dry	10	8/11/2017

Qualifiers:

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-02 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:02:00 AM

Lab ID: 17080266-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	0.64	0.53		mg/Kg-dry	10	8/11/2017
Calcium	18000	63		mg/Kg-dry	10	8/11/2017
Chromium	25	1.1		mg/Kg-dry	10	8/11/2017
Cobalt	16	1.1		mg/Kg-dry	10	8/11/2017
Copper	47	2.6		mg/Kg-dry	10	8/11/2017
Iron	27000	32		mg/Kg-dry	10	8/11/2017
Lead	65	0.53		mg/Kg-dry	10	8/11/2017
Magnesium	10000	32		mg/Kg-dry	10	8/11/2017
Manganese	1000	1.1		mg/Kg-dry	10	8/11/2017
Nickel	27	1.1		mg/Kg-dry	10	8/11/2017
Potassium	2200	32		mg/Kg-dry	10	8/11/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/11/2017
Silver	ND	1.1		mg/Kg-dry	10	8/11/2017
Sodium	370	63		mg/Kg-dry	10	8/11/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/11/2017
Vanadium	37	1.1		mg/Kg-dry	10	8/11/2017
Zinc	140	5.3		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/11/2017
Barium	ND	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.0041	0.0040		mg/L	2	8/11/2017
Cobalt	ND	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	2.2	0.10		mg/L	2	8/11/2017
Lead	0.0032	0.0020		mg/L	2	8/11/2017
Manganese	0.020	0.0040		mg/L	2	8/11/2017
Nickel	ND	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	ND	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.44	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

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RL - Reporting / Quantitation Limit for the analysis

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-02 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:02:00 AM

Lab ID: 17080266-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/12/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	0.076	0.010		mg/L	5	8/15/2017
Nickel	ND	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	0.054	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.044	0.022		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/10/2017		Analyst: RW	
pH	8.04			pH Units	1	8/10/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	19.8	0.2	*	wt%	1	8/10/2017

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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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-02 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:05:00 AM

Lab ID: 17080266-018A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/8/2017	Analyst: ART
Acetone	ND	0.060		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0040		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0040		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0040		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0080		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.060		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.040		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0040		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0040		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0080		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0040		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0080		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0040		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0040		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0040		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0040		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0040		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0040		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0040		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0040		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.016		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.016		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0080		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0040		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0040		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0040		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0040		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0040		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0040		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0040		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0040		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0040		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.012		mg/Kg-dry	1	8/15/2017

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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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-02 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:05:00 AM

Lab ID: 17080266-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: MEP
Acenaphthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.036		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.36		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.36		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.90		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.90		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.18		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.036		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.90		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/13/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-02 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:05:00 AM

Lab ID: 17080266-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.036		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.18		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.036		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.036		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.073		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.18		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.73		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	4800	19		mg/Kg-dry	10	8/11/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/11/2017
Arsenic	6.0	0.95		mg/Kg-dry	10	8/11/2017
Barium	20	0.95		mg/Kg-dry	10	8/11/2017
Beryllium	ND	0.48		mg/Kg-dry	10	8/11/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-02 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 10:05:00 AM

Lab ID: 17080266-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/11/2017
Calcium	110000	57		mg/Kg-dry	10	8/11/2017
Chromium	9.4	0.95		mg/Kg-dry	10	8/11/2017
Cobalt	5.8	0.95		mg/Kg-dry	10	8/11/2017
Copper	13	2.4		mg/Kg-dry	10	8/11/2017
Iron	15000	29		mg/Kg-dry	10	8/11/2017
Lead	6.8	0.48		mg/Kg-dry	10	8/11/2017
Magnesium	62000	29		mg/Kg-dry	10	8/11/2017
Manganese	410	0.95		mg/Kg-dry	10	8/11/2017
Nickel	14	0.95		mg/Kg-dry	10	8/11/2017
Potassium	1000	29		mg/Kg-dry	10	8/11/2017
Selenium	ND	0.95		mg/Kg-dry	10	8/11/2017
Silver	ND	0.95		mg/Kg-dry	10	8/11/2017
Sodium	260	57		mg/Kg-dry	10	8/11/2017
Thallium	ND	0.95		mg/Kg-dry	10	8/11/2017
Vanadium	18	0.95		mg/Kg-dry	10	8/11/2017
Zinc	34	4.8		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/11/2017
Barium	ND	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	ND	0.0040		mg/L	2	8/11/2017
Cobalt	ND	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	2.4	0.10		mg/L	2	8/11/2017
Lead	ND	0.0020		mg/L	2	8/11/2017
Manganese	0.016	0.0040		mg/L	2	8/11/2017
Nickel	ND	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	ND	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.21	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

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RL - Reporting / Quantitation Limit for the analysis

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R - RPD outside accepted recovery limits

E - Value above quantitation range

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-02 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 10:05:00 AM

Lab ID: 17080266-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/12/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	1.3	0.010		mg/L	5	8/15/2017
Nickel	0.016	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.019		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/10/2017		Analyst: RW	
pH	8.97			pH Units	1	8/10/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	8.2	0.2	*	wt%	1	8/10/2017

Qualifiers:

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S - Spike Recovery outside accepted recovery limits

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-03 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:53:00 AM

Lab ID: 17080266-019A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/8/2017	Analyst: ART
Acetone	ND	0.061		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0041		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0041		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0082		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.061		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.041		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0041		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0041		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0082		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0041		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0082		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0041		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0041		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.016		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.016		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0082		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0041		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0041		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0041		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0041		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.012		mg/Kg-dry	1	8/15/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-03 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:53:00 AM

Lab ID: 17080266-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)	Prep Date: 8/9/2017		Analyst: MEP	
Acenaphthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.036		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.36		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.36		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.90		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.90		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.036		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.90		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/13/2017

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: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-03 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 9:53:00 AM

Lab ID: 17080266-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.036		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.036		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.036		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.073		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.73		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	3900	18		mg/Kg-dry	10	8/11/2017
Antimony	ND	1.8		mg/Kg-dry	10	8/11/2017
Arsenic	5.4	0.92		mg/Kg-dry	10	8/11/2017
Barium	18	0.92		mg/Kg-dry	10	8/11/2017
Beryllium	ND	0.46		mg/Kg-dry	10	8/11/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-03 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:53:00 AM

Lab ID: 17080266-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.46		mg/Kg-dry	10	8/11/2017
Calcium	160000	550		mg/Kg-dry	100	8/12/2017
Chromium	8.5	0.92		mg/Kg-dry	10	8/11/2017
Cobalt	5.6	0.92		mg/Kg-dry	10	8/11/2017
Copper	12	2.3		mg/Kg-dry	10	8/11/2017
Iron	13000	27		mg/Kg-dry	10	8/11/2017
Lead	6.7	0.46		mg/Kg-dry	10	8/11/2017
Magnesium	71000	27		mg/Kg-dry	10	8/11/2017
Manganese	420	0.92		mg/Kg-dry	10	8/11/2017
Nickel	12	0.92		mg/Kg-dry	10	8/11/2017
Potassium	780	27		mg/Kg-dry	10	8/11/2017
Selenium	ND	0.92		mg/Kg-dry	10	8/11/2017
Silver	ND	0.92		mg/Kg-dry	10	8/11/2017
Sodium	310	55		mg/Kg-dry	10	8/11/2017
Thallium	ND	0.92		mg/Kg-dry	10	8/11/2017
Vanadium	16	0.92		mg/Kg-dry	10	8/11/2017
Zinc	64	4.6		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.0065	0.0040		mg/L	2	8/11/2017
Barium	0.025	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.0089	0.0040		mg/L	2	8/11/2017
Cobalt	0.0043	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	12	0.10		mg/L	2	8/11/2017
Lead	0.0054	0.0020		mg/L	2	8/11/2017
Manganese	0.11	0.0040		mg/L	2	8/11/2017
Nickel	0.013	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.081	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.19	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-03 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:53:00 AM

Lab ID: 17080266-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)				Prep Date: 8/12/2017	Analyst: JG
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	0.044	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	4.3	0.010		mg/L	5	8/15/2017
Nickel	0.053	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	0.084	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A				Prep Date: 8/11/2017	Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A				Prep Date: 8/10/2017	Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/11/2017
Mercury	SW7471A				Prep Date: 8/10/2017	Analyst: LB
Mercury	ND	0.020		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C				Prep Date: 8/10/2017	Analyst: RW
pH	9.07			pH Units	1	8/10/2017
Percent Moisture	D2974				Prep Date: 8/9/2017	Analyst: KKA
Percent Moisture	8.7	0.2	*	wt%	1	8/10/2017

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-03 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:56:00 AM

Lab ID: 17080266-020A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/8/2017		Analyst: ART
Acetone	ND	0.066		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0044		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0088		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.066		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.044		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0088		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0044		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0088		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0088		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-03 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:56:00 AM

Lab ID: 17080266-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: MEP
Acenaphthene	ND	0.035		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.035		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.36		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.035		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.035		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.35		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.035		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.035		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.035		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.035		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.89		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.89		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.18		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.35		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.035		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.035		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.35		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.89		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.035		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.035		mg/Kg-dry	1	8/13/2017

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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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: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-03 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:56:00 AM

Lab ID: 17080266-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.035		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.035		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.035		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.18		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.035		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.35		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.035		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.035		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.072		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.035		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.18		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.035		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.72		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	3900	19		mg/Kg-dry	10	8/11/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/11/2017
Arsenic	4.3	0.96		mg/Kg-dry	10	8/11/2017
Barium	15	0.96		mg/Kg-dry	10	8/11/2017
Beryllium	ND	0.48		mg/Kg-dry	10	8/11/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-03 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:56:00 AM

Lab ID: 17080266-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/11/2017
Calcium	170000	570		mg/Kg-dry	100	8/12/2017
Chromium	7.3	0.96		mg/Kg-dry	10	8/11/2017
Cobalt	4.6	0.96		mg/Kg-dry	10	8/11/2017
Copper	12	2.4		mg/Kg-dry	10	8/11/2017
Iron	12000	29		mg/Kg-dry	10	8/11/2017
Lead	11	0.48		mg/Kg-dry	10	8/11/2017
Magnesium	79000	29		mg/Kg-dry	10	8/11/2017
Manganese	490	0.96		mg/Kg-dry	10	8/11/2017
Nickel	11	0.96		mg/Kg-dry	10	8/11/2017
Potassium	600	29		mg/Kg-dry	10	8/11/2017
Selenium	ND	0.96		mg/Kg-dry	10	8/11/2017
Silver	ND	0.96		mg/Kg-dry	10	8/11/2017
Sodium	480	57		mg/Kg-dry	10	8/11/2017
Thallium	ND	0.96		mg/Kg-dry	10	8/11/2017
Vanadium	18	0.96		mg/Kg-dry	10	8/11/2017
Zinc	28	4.8		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	0.56	0.10		mg/L	2	8/16/2017
Lead	ND	0.0020		mg/L	2	8/16/2017
Manganese	0.0086	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	ND	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.18	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-03 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:56:00 AM

Lab ID: 17080266-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)				Prep Date: 8/12/2017	Analyst: JG
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	1.5	0.010		mg/L	5	8/15/2017
Nickel	0.020	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A				Prep Date: 8/11/2017	Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A				Prep Date: 8/11/2017	Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A				Prep Date: 8/10/2017	Analyst: LB
Mercury	ND	0.017		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C				Prep Date: 8/10/2017	Analyst: RW
pH	9.36			pH Units	1	8/10/2017
Percent Moisture	D2974				Prep Date: 8/9/2017	Analyst: KKA
Percent Moisture	8.3	0.2	*	wt%	1	8/10/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-04 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:47:00 AM

Lab ID: 17080266-021A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/8/2017	Analyst: ART
Acetone	ND	0.069		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0046		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0091		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.069		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.046		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0091		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0046		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0091		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0091		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-04 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:47:00 AM

Lab ID: 17080266-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: MEP
Acenaphthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.036		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.36		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.36		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.91		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.91		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.036		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.91		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/13/2017

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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-04 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:47:00 AM

Lab ID: 17080266-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.036		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.036		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.036		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.073		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.73		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	5200	19		mg/Kg-dry	10	8/12/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/12/2017
Arsenic	6.0	0.97		mg/Kg-dry	10	8/12/2017
Barium	25	0.97		mg/Kg-dry	10	8/12/2017
Beryllium	ND	0.48		mg/Kg-dry	10	8/12/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-04 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:47:00 AM

Lab ID: 17080266-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/12/2017
Calcium	150000	580		mg/Kg-dry	100	8/12/2017
Chromium	11	0.97		mg/Kg-dry	10	8/12/2017
Cobalt	6.7	0.97		mg/Kg-dry	10	8/12/2017
Copper	15	2.4		mg/Kg-dry	10	8/12/2017
Iron	15000	29		mg/Kg-dry	10	8/12/2017
Lead	8.6	0.48		mg/Kg-dry	10	8/12/2017
Magnesium	72000	29		mg/Kg-dry	10	8/12/2017
Manganese	500	0.97		mg/Kg-dry	10	8/12/2017
Nickel	15	0.97		mg/Kg-dry	10	8/12/2017
Potassium	1100	29		mg/Kg-dry	10	8/12/2017
Selenium	ND	0.97		mg/Kg-dry	10	8/12/2017
Silver	ND	0.97		mg/Kg-dry	10	8/12/2017
Sodium	510	58		mg/Kg-dry	10	8/12/2017
Thallium	ND	0.97		mg/Kg-dry	10	8/12/2017
Vanadium	16	0.97		mg/Kg-dry	10	8/12/2017
Zinc	36	4.8		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.0055	0.0040		mg/L	2	8/11/2017
Barium	0.027	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.010	0.0040		mg/L	2	8/11/2017
Cobalt	0.0042	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	12	0.10		mg/L	2	8/11/2017
Lead	0.0050	0.0020		mg/L	2	8/11/2017
Manganese	0.089	0.0040		mg/L	2	8/11/2017
Nickel	0.012	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.039	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.28	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-04 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:47:00 AM

Lab ID: 17080266-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/12/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	1.3	0.010		mg/L	5	8/15/2017
Nickel	0.012	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/9/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/10/2017
Mercury	SW7471A					Prep Date: 8/10/2017 Analyst: LB
Mercury	ND	0.021		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/10/2017 Analyst: RW
pH	9.33			pH Units	1	8/10/2017
Percent Moisture	D2974					Prep Date: 8/9/2017 Analyst: KKA
Percent Moisture	9.6	0.2	*	wt%	1	8/10/2017

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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-04 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:50:00 AM

Lab ID: 17080266-022A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/8/2017		Analyst: ART
Acetone	ND	0.059		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0039		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0039		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0039		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0078		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.059		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.039		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0039		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0039		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0078		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0039		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0078		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0039		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0039		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0039		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0039		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0039		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0039		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0039		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0039		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.016		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.016		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0078		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0039		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0039		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0039		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0039		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0039		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0039		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0039		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0039		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0039		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.012		mg/Kg-dry	1	8/15/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-04 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:50:00 AM

Lab ID: 17080266-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: MEP
Acenaphthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.036		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.36		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.36		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.90		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.90		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.18		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.036		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.90		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/13/2017

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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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-04 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:50:00 AM

Lab ID: 17080266-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.036		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.18		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.036		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.036		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.072		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.18		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.72		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	3200	19		mg/Kg-dry	10	8/12/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/12/2017
Arsenic	5.0	0.93		mg/Kg-dry	10	8/12/2017
Barium	17	0.93		mg/Kg-dry	10	8/12/2017
Beryllium	ND	0.47		mg/Kg-dry	10	8/12/2017

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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-04 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:50:00 AM

Lab ID: 17080266-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.47		mg/Kg-dry	10	8/12/2017
Calcium	150000	560		mg/Kg-dry	100	8/12/2017
Chromium	8.5	0.93		mg/Kg-dry	10	8/12/2017
Cobalt	5.5	0.93		mg/Kg-dry	10	8/12/2017
Copper	12	2.3		mg/Kg-dry	10	8/12/2017
Iron	14000	28		mg/Kg-dry	10	8/12/2017
Lead	6.4	0.47		mg/Kg-dry	10	8/12/2017
Magnesium	65000	28		mg/Kg-dry	10	8/12/2017
Manganese	550	0.93		mg/Kg-dry	10	8/12/2017
Nickel	12	0.93		mg/Kg-dry	10	8/12/2017
Potassium	710	28		mg/Kg-dry	10	8/12/2017
Selenium	ND	0.93		mg/Kg-dry	10	8/12/2017
Silver	ND	0.93		mg/Kg-dry	10	8/12/2017
Sodium	320	56		mg/Kg-dry	10	8/12/2017
Thallium	ND	0.93		mg/Kg-dry	10	8/12/2017
Vanadium	12	0.93		mg/Kg-dry	10	8/12/2017
Zinc	30	4.7		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/11/2017
Barium	ND	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.0058	0.0040		mg/L	2	8/11/2017
Cobalt	ND	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	6.1	0.10		mg/L	2	8/11/2017
Lead	0.0027	0.0020		mg/L	2	8/11/2017
Manganese	0.046	0.0040		mg/L	2	8/11/2017
Nickel	0.0068	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.026	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.19	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-04 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:50:00 AM

Lab ID: 17080266-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/12/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	1.3	0.010		mg/L	5	8/15/2017
Nickel	0.015	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/9/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/10/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.019		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/10/2017		Analyst: RW	
pH	9.06			pH Units	1	8/10/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	8.8	0.2	*	wt%	1	8/10/2017

Qualifiers:

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-05 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:38:00 AM

Lab ID: 17080266-023A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/8/2017		Analyst: ART
Acetone	ND	0.068		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0045		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0045		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0090		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.068		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.045		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0045		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0045		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0090		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0045		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0090		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0045		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0045		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0090		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0045		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0045		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0045		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0045		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-05 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:38:00 AM

Lab ID: 17080266-023B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/13/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-05 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:38:00 AM

Lab ID: 17080266-023B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.78		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	16000	21		mg/Kg-dry	10	8/12/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/12/2017
Arsenic	13	1.0		mg/Kg-dry	10	8/12/2017
Barium	110	1.0		mg/Kg-dry	10	8/12/2017
Beryllium	0.94	0.52		mg/Kg-dry	10	8/12/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-05 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:38:00 AM

Lab ID: 17080266-023B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/12/2017
Calcium	62000	62		mg/Kg-dry	10	8/12/2017
Chromium	28	1.0		mg/Kg-dry	10	8/12/2017
Cobalt	18	1.0		mg/Kg-dry	10	8/12/2017
Copper	35	2.6		mg/Kg-dry	10	8/12/2017
Iron	36000	31		mg/Kg-dry	10	8/12/2017
Lead	32	0.52		mg/Kg-dry	10	8/12/2017
Magnesium	33000	31		mg/Kg-dry	10	8/12/2017
Manganese	860	1.0		mg/Kg-dry	10	8/12/2017
Nickel	41	1.0		mg/Kg-dry	10	8/12/2017
Potassium	2300	31		mg/Kg-dry	10	8/12/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/12/2017
Silver	ND	1.0		mg/Kg-dry	10	8/12/2017
Sodium	1100	62		mg/Kg-dry	10	8/12/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/12/2017
Vanadium	36	1.0		mg/Kg-dry	10	8/12/2017
Zinc	91	5.2		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.012	0.0040		mg/L	2	8/11/2017
Barium	0.063	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.023	0.0040		mg/L	2	8/11/2017
Cobalt	0.0077	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	25	0.10		mg/L	2	8/11/2017
Lead	0.015	0.0020		mg/L	2	8/11/2017
Manganese	0.16	0.0040		mg/L	2	8/11/2017
Nickel	0.028	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.074	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.70	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 17, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-05 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:38:00 AM

Lab ID: 17080266-023B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/12/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	0.040	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	10	0.010		mg/L	5	8/15/2017
Nickel	0.035	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/9/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/10/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.030	0.018		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/10/2017		Analyst: RW	
pH	8.02			pH Units	1	8/10/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	14.3	0.2	*	wt%	1	8/10/2017

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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R - RPD outside accepted recovery limits

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: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-05 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:41:00 AM

Lab ID: 17080266-024A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/8/2017		Analyst: ART
Acetone	ND	0.066		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0044		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0088		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.066		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.044		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0088		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0044		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0088		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0088		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/15/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-05 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:41:00 AM

Lab ID: 17080266-024B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: MEP
Acenaphthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.036		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.36		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.91		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.91		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.036		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.91		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/13/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-05 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:41:00 AM

Lab ID: 17080266-024B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)			Prep Date: 8/9/2017		Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.036		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.036		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.036		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.074		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.036		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.74		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)			Prep Date: 8/9/2017		Analyst: JG
Aluminum	4300	19		mg/Kg-dry	10	8/12/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/12/2017
Arsenic	6.5	0.97		mg/Kg-dry	10	8/12/2017
Barium	19	0.97		mg/Kg-dry	10	8/12/2017
Beryllium	ND	0.48		mg/Kg-dry	10	8/12/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-05 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:41:00 AM

Lab ID: 17080266-024B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/12/2017
Calcium	120000	58		mg/Kg-dry	10	8/12/2017
Chromium	9.6	0.97		mg/Kg-dry	10	8/12/2017
Cobalt	5.4	0.97		mg/Kg-dry	10	8/12/2017
Copper	14	2.4		mg/Kg-dry	10	8/12/2017
Iron	15000	29		mg/Kg-dry	10	8/12/2017
Lead	25	0.48		mg/Kg-dry	10	8/12/2017
Magnesium	64000	29		mg/Kg-dry	10	8/12/2017
Manganese	420	0.97		mg/Kg-dry	10	8/12/2017
Nickel	13	0.97		mg/Kg-dry	10	8/12/2017
Potassium	860	29		mg/Kg-dry	10	8/12/2017
Selenium	ND	0.97		mg/Kg-dry	10	8/12/2017
Silver	ND	0.97		mg/Kg-dry	10	8/12/2017
Sodium	380	58		mg/Kg-dry	10	8/12/2017
Thallium	ND	0.97		mg/Kg-dry	10	8/12/2017
Vanadium	20	0.97		mg/Kg-dry	10	8/12/2017
Zinc	35	4.8		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/11/2017
Barium	ND	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	ND	0.0040		mg/L	2	8/11/2017
Cobalt	ND	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	1.3	0.10		mg/L	2	8/11/2017
Lead	ND	0.0020		mg/L	2	8/11/2017
Manganese	0.0098	0.0040		mg/L	2	8/11/2017
Nickel	ND	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	ND	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.17	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-05 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:41:00 AM

Lab ID: 17080266-024B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/12/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	1.2	0.010		mg/L	5	8/15/2017
Nickel	0.012	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/9/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/10/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.017		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/10/2017		Analyst: RW	
pH	8.20			pH Units	1	8/10/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	10.5	0.2	*	wt%	1	8/10/2017

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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-06 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:30:00 AM

Lab ID: 17080266-025A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: ERP
Acetone	ND	0.079		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0053		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0053		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0053		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.079		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.053		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0053		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0053		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0053		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0053		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0053		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0053		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0053		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0053		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0053		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0053		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0053		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0053		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0053		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/15/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-06 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:30:00 AM

Lab ID: 17080266-025B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: MEP
Acenaphthene	0.41	0.039		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/13/2017
Anthracene	1.3	0.039		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	1.4	0.039		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	1.0	0.039		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	1.0	0.039		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	0.49	0.039		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	0.71	0.039		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.97		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.97		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Carbazole	0.26	0.20		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Chrysene	1.4	0.039		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	0.33	0.039		mg/Kg-dry	1	8/13/2017
Dibenzofuran	0.30	0.20		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.97		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/13/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-06 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:30:00 AM

Lab ID: 17080266-025B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Fluoranthene	3.6	0.039		mg/Kg-dry	1	8/13/2017
Fluorene	0.66	0.039		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	0.49	0.039		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	8/13/2017
Phenanthrene	4.2	0.039		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Pyrene	2.7	0.039		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.78		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	12000	21		mg/Kg-dry	10	8/12/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/12/2017
Arsenic	12	1.0		mg/Kg-dry	10	8/12/2017
Barium	79	1.0		mg/Kg-dry	10	8/12/2017
Beryllium	0.80	0.52		mg/Kg-dry	10	8/12/2017

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-06 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:30:00 AM

Lab ID: 17080266-025B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/12/2017
Calcium	64000	62		mg/Kg-dry	10	8/12/2017
Chromium	22	1.0		mg/Kg-dry	10	8/12/2017
Cobalt	15	1.0		mg/Kg-dry	10	8/12/2017
Copper	30	2.6		mg/Kg-dry	10	8/12/2017
Iron	29000	31		mg/Kg-dry	10	8/12/2017
Lead	28	0.52		mg/Kg-dry	10	8/12/2017
Magnesium	37000	31		mg/Kg-dry	10	8/12/2017
Manganese	690	1.0		mg/Kg-dry	10	8/12/2017
Nickel	35	1.0		mg/Kg-dry	10	8/12/2017
Potassium	1900	31		mg/Kg-dry	10	8/12/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/12/2017
Silver	ND	1.0		mg/Kg-dry	10	8/12/2017
Sodium	1700	62		mg/Kg-dry	10	8/12/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/12/2017
Vanadium	28	1.0		mg/Kg-dry	10	8/12/2017
Zinc	76	5.2		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.0077	0.0040		mg/L	2	8/11/2017
Barium	0.038	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.017	0.0040		mg/L	2	8/11/2017
Cobalt	0.0070	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	14	0.10		mg/L	2	8/11/2017
Lead	0.0084	0.0020		mg/L	2	8/11/2017
Manganese	0.16	0.0040		mg/L	2	8/11/2017
Nickel	0.018	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.038	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.73	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-06 (0-5)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:30:00 AM

Lab ID: 17080266-025B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/12/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	0.036	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	11	0.010		mg/L	5	8/15/2017
Nickel	0.031	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/9/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/10/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.030	0.018		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/10/2017		Analyst: RW	
pH	9.18			pH Units	1	8/10/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	15.1	0.2	*	wt%	1	8/10/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-06 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:33:00 AM

Lab ID: 17080266-026A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.072		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0096		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.072		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.048		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0096		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0096		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0096		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

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

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-06 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:33:00 AM

Lab ID: 17080266-026B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)			Prep Date: 8/9/2017	Analyst: MEP
Acenaphthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/13/2017

Qualifiers:

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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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-06 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:33:00 AM

Lab ID: 17080266-026B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	8/13/2017
Phenanthrene	0.057	0.040		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.81		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	15000	21		mg/Kg-dry	10	8/12/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/12/2017
Arsenic	14	1.1		mg/Kg-dry	10	8/12/2017
Barium	140	1.1		mg/Kg-dry	10	8/12/2017
Beryllium	1.0	0.54		mg/Kg-dry	10	8/12/2017

Qualifiers:

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* - Non-accredited parameter

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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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-06 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:33:00 AM

Lab ID: 17080266-026B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.54		mg/Kg-dry	10	8/12/2017
Calcium	65000	64		mg/Kg-dry	10	8/12/2017
Chromium	27	1.1		mg/Kg-dry	10	8/12/2017
Cobalt	17	1.1		mg/Kg-dry	10	8/12/2017
Copper	37	2.7		mg/Kg-dry	10	8/12/2017
Iron	38000	32		mg/Kg-dry	10	8/12/2017
Lead	24	0.54		mg/Kg-dry	10	8/12/2017
Magnesium	41000	32		mg/Kg-dry	10	8/12/2017
Manganese	950	1.1		mg/Kg-dry	10	8/12/2017
Nickel	44	1.1		mg/Kg-dry	10	8/12/2017
Potassium	2100	32		mg/Kg-dry	10	8/12/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/12/2017
Silver	ND	1.1		mg/Kg-dry	10	8/12/2017
Sodium	460	64		mg/Kg-dry	10	8/12/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/12/2017
Vanadium	33	1.1		mg/Kg-dry	10	8/12/2017
Zinc	89	5.4		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/11/2017
Barium	ND	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.0041	0.0040		mg/L	2	8/11/2017
Cobalt	ND	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	2.2	0.10		mg/L	2	8/11/2017
Lead	ND	0.0020		mg/L	2	8/11/2017
Manganese	0.015	0.0040		mg/L	2	8/11/2017
Nickel	ND	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	ND	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	1.1	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-06 (5-9)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:33:00 AM

Lab ID: 17080266-026B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/12/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	0.040	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	8.9	0.010		mg/L	5	8/15/2017
Nickel	0.040	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/9/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/10/2017
Mercury	SW7471A					Prep Date: 8/10/2017 Analyst: LB
Mercury	0.025	0.022		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/10/2017 Analyst: RW
pH	7.96			pH Units	1	8/10/2017
Percent Moisture	D2974					Prep Date: 8/9/2017 Analyst: KKA
Percent Moisture	17.6	0.2	*	wt%	1	8/10/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-01 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:08:00 PM

Lab ID: 17080266-027A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.067		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0045		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0045		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0090		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.067		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.045		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0045		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0045		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0090		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0045		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0090		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0045		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0045		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0090		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0045		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0045		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0045		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0045		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-01 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:08:00 PM

Lab ID: 17080266-027B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/13/2017

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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-01 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:08:00 PM

Lab ID: 17080266-027B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.78		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	13000	20		mg/Kg-dry	10	8/12/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/12/2017
Arsenic	9.7	0.99		mg/Kg-dry	10	8/12/2017
Barium	55	0.99		mg/Kg-dry	10	8/12/2017
Beryllium	0.85	0.50		mg/Kg-dry	10	8/12/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-01 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:08:00 PM

Lab ID: 17080266-027B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/12/2017
Calcium	89000	60		mg/Kg-dry	10	8/12/2017
Chromium	25	0.99		mg/Kg-dry	10	8/12/2017
Cobalt	11	0.99		mg/Kg-dry	10	8/12/2017
Copper	31	2.5		mg/Kg-dry	10	8/12/2017
Iron	30000	30		mg/Kg-dry	10	8/12/2017
Lead	17	0.50		mg/Kg-dry	10	8/12/2017
Magnesium	46000	30		mg/Kg-dry	10	8/12/2017
Manganese	590	0.99		mg/Kg-dry	10	8/12/2017
Nickel	34	0.99		mg/Kg-dry	10	8/12/2017
Potassium	2800	30		mg/Kg-dry	10	8/12/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/12/2017
Silver	ND	0.99		mg/Kg-dry	10	8/12/2017
Sodium	1300	60		mg/Kg-dry	10	8/12/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/12/2017
Vanadium	29	0.99		mg/Kg-dry	10	8/12/2017
Zinc	78	5.0		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.0088	0.0040		mg/L	2	8/11/2017
Barium	0.050	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.019	0.0040		mg/L	2	8/11/2017
Cobalt	0.0048	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	19	0.10		mg/L	2	8/11/2017
Lead	0.0077	0.0020		mg/L	2	8/11/2017
Manganese	0.11	0.0040		mg/L	2	8/11/2017
Nickel	0.023	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.058	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.19	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

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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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-01 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:08:00 PM

Lab ID: 17080266-027B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/12/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	0.020	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	3.7	0.010		mg/L	5	8/15/2017
Nickel	0.027	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/14/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/9/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/10/2017
Mercury	SW7471A					Prep Date: 8/10/2017 Analyst: LB
Mercury	0.025	0.023		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/11/2017 Analyst: RW
pH	9.04			pH Units	1	8/11/2017
Percent Moisture	D2974					Prep Date: 8/9/2017 Analyst: KKA
Percent Moisture	14.6	0.2	*	wt%	1	8/10/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-02 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:05:00 PM

Lab ID: 17080266-028A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.069		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0046		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0092		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.069		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.046		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0092		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0046		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0092		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0092		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

Qualifiers:

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-02 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:05:00 PM

Lab ID: 17080266-028B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: MEP
Acenaphthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.94		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/13/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-02 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 2:05:00 PM

Lab ID: 17080266-028B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)			Prep Date: 8/9/2017		Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.075		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.75		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)			Prep Date: 8/9/2017		Analyst: JG
Aluminum	13000	19		mg/Kg-dry	10	8/12/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/12/2017
Arsenic	11	0.96		mg/Kg-dry	10	8/12/2017
Barium	54	0.96		mg/Kg-dry	10	8/12/2017
Beryllium	0.84	0.48		mg/Kg-dry	10	8/12/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-02 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:05:00 PM

Lab ID: 17080266-028B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/12/2017
Calcium	85000	58		mg/Kg-dry	10	8/12/2017
Chromium	24	0.96		mg/Kg-dry	10	8/12/2017
Cobalt	16	0.96		mg/Kg-dry	10	8/12/2017
Copper	26	2.4		mg/Kg-dry	10	8/12/2017
Iron	29000	29		mg/Kg-dry	10	8/12/2017
Lead	16	0.48		mg/Kg-dry	10	8/12/2017
Magnesium	41000	29		mg/Kg-dry	10	8/12/2017
Manganese	490	0.96		mg/Kg-dry	10	8/12/2017
Nickel	32	0.96		mg/Kg-dry	10	8/12/2017
Potassium	2600	29		mg/Kg-dry	10	8/12/2017
Selenium	ND	0.96		mg/Kg-dry	10	8/12/2017
Silver	ND	0.96		mg/Kg-dry	10	8/12/2017
Sodium	1100	58		mg/Kg-dry	10	8/12/2017
Thallium	ND	0.96		mg/Kg-dry	10	8/12/2017
Vanadium	28	0.96		mg/Kg-dry	10	8/12/2017
Zinc	70	4.8		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.014	0.0040		mg/L	2	8/11/2017
Barium	0.069	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.028	0.0040		mg/L	2	8/11/2017
Cobalt	0.0080	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	30	0.10		mg/L	2	8/11/2017
Lead	0.013	0.0020		mg/L	2	8/11/2017
Manganese	0.13	0.0040		mg/L	2	8/11/2017
Nickel	0.032	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.082	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.62	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-02 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:05:00 PM

Lab ID: 17080266-028B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/12/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	0.014	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	4.0	0.010		mg/L	5	8/15/2017
Nickel	0.014	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	0.44	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/14/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/9/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/10/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.031	0.021		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/11/2017		Analyst: RW	
pH	8.44			pH Units	1	8/11/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	12.1	0.2	*	wt%	1	8/10/2017

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-03 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:02:00 PM

Lab ID: 17080266-029A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: ERP
Acetone	ND	0.062		mg/Kg-dry	1	8/14/2017
Benzene	ND	0.0041		mg/Kg-dry	1	8/14/2017
Bromodichloromethane	ND	0.0041		mg/Kg-dry	1	8/14/2017
Bromoform	ND	0.0041		mg/Kg-dry	1	8/14/2017
Bromomethane	ND	0.0083		mg/Kg-dry	1	8/14/2017
2-Butanone	ND	0.062		mg/Kg-dry	1	8/14/2017
Carbon disulfide	ND	0.041		mg/Kg-dry	1	8/14/2017
Carbon tetrachloride	ND	0.0041		mg/Kg-dry	1	8/14/2017
Chlorobenzene	ND	0.0041		mg/Kg-dry	1	8/14/2017
Chloroethane	ND	0.0083		mg/Kg-dry	1	8/14/2017
Chloroform	ND	0.0041		mg/Kg-dry	1	8/14/2017
Chloromethane	ND	0.0083		mg/Kg-dry	1	8/14/2017
Dibromochloromethane	ND	0.0041		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/14/2017
1,2-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/14/2017
1,1-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/14/2017
cis-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/14/2017
trans-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/14/2017
1,2-Dichloropropane	ND	0.0041		mg/Kg-dry	1	8/14/2017
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/14/2017
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/14/2017
Ethylbenzene	ND	0.0041		mg/Kg-dry	1	8/14/2017
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/14/2017
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/14/2017
Methylene chloride	ND	0.0083		mg/Kg-dry	1	8/14/2017
Methyl tert-butyl ether	ND	0.0041		mg/Kg-dry	1	8/14/2017
Styrene	ND	0.0041		mg/Kg-dry	1	8/14/2017
1,1,2,2-Tetrachloroethane	ND	0.0041		mg/Kg-dry	1	8/14/2017
Tetrachloroethene	ND	0.0041		mg/Kg-dry	1	8/14/2017
Toluene	ND	0.0041		mg/Kg-dry	1	8/14/2017
1,1,1-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/14/2017
1,1,2-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/14/2017
Trichloroethene	ND	0.0041		mg/Kg-dry	1	8/14/2017
Vinyl chloride	ND	0.0041		mg/Kg-dry	1	8/14/2017
Xylenes, Total	ND	0.012		mg/Kg-dry	1	8/14/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-03 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:02:00 PM

Lab ID: 17080266-029B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: MEP
Acenaphthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.94		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/13/2017

Qualifiers:

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-03 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:02:00 PM

Lab ID: 17080266-029B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.076		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.76		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	12000	20		mg/Kg-dry	10	8/12/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/12/2017
Arsenic	13	1.0		mg/Kg-dry	10	8/12/2017
Barium	63	1.0		mg/Kg-dry	10	8/12/2017
Beryllium	0.82	0.50		mg/Kg-dry	10	8/12/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-03 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:02:00 PM

Lab ID: 17080266-029B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/12/2017
Calcium	110000	60		mg/Kg-dry	10	8/12/2017
Chromium	21	1.0		mg/Kg-dry	10	8/12/2017
Cobalt	16	1.0		mg/Kg-dry	10	8/12/2017
Copper	30	2.5		mg/Kg-dry	10	8/12/2017
Iron	29000	30		mg/Kg-dry	10	8/12/2017
Lead	18	0.50		mg/Kg-dry	10	8/12/2017
Magnesium	50000	30		mg/Kg-dry	10	8/12/2017
Manganese	770	1.0		mg/Kg-dry	10	8/12/2017
Nickel	37	1.0		mg/Kg-dry	10	8/12/2017
Potassium	2100	30		mg/Kg-dry	10	8/12/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/12/2017
Silver	ND	1.0		mg/Kg-dry	10	8/12/2017
Sodium	1800	60		mg/Kg-dry	10	8/12/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/12/2017
Vanadium	27	1.0		mg/Kg-dry	10	8/12/2017
Zinc	67	5.0		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.014	0.0040		mg/L	2	8/11/2017
Barium	0.063	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.024	0.0040		mg/L	2	8/11/2017
Cobalt	0.0085	0.0040		mg/L	2	8/11/2017
Copper	0.047	0.040		mg/L	2	8/11/2017
Iron	25	0.10		mg/L	2	8/11/2017
Lead	0.012	0.0020		mg/L	2	8/11/2017
Manganese	0.13	0.0040		mg/L	2	8/11/2017
Nickel	0.030	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.071	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.35	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-03 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:02:00 PM

Lab ID: 17080266-029B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/12/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	0.037	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	3.8	0.010		mg/L	5	8/15/2017
Nickel	0.053	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/14/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/9/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/10/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.025	0.023		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/11/2017		Analyst: RW	
pH	9.08			pH Units	1	8/11/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	13.2	0.2	*	wt%	1	8/10/2017

Qualifiers:

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-04 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:00:00 PM

Lab ID: 17080266-030A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.087		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0058		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0058		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0058		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.012		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.087		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.058		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0058		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0058		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.012		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0058		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.012		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0058		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0058		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0058		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0058		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0058		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0058		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0058		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0058		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.023		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.023		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.012		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0058		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0058		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0058		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0058		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0058		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0058		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0058		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0058		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0058		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.017		mg/Kg-dry	1	8/15/2017

Qualifiers:

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S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-04 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:00:00 PM

Lab ID: 17080266-030B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)			Prep Date: 8/9/2017	Analyst: MEP
Acenaphthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.97		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.97		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.97		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/13/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-04 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:00:00 PM

Lab ID: 17080266-030B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.78		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	15000	20		mg/Kg-dry	10	8/12/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/12/2017
Arsenic	11	0.99		mg/Kg-dry	10	8/12/2017
Barium	140	0.99		mg/Kg-dry	10	8/12/2017
Beryllium	0.92	0.49		mg/Kg-dry	10	8/12/2017

Qualifiers:

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-04 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:00:00 PM

Lab ID: 17080266-030B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/12/2017
Calcium	43000	59		mg/Kg-dry	10	8/12/2017
Chromium	21	0.99		mg/Kg-dry	10	8/12/2017
Cobalt	17	0.99		mg/Kg-dry	10	8/12/2017
Copper	27	2.5		mg/Kg-dry	10	8/12/2017
Iron	30000	30		mg/Kg-dry	10	8/12/2017
Lead	49	0.49		mg/Kg-dry	10	8/12/2017
Magnesium	25000	30		mg/Kg-dry	10	8/12/2017
Manganese	1400	0.99		mg/Kg-dry	10	8/12/2017
Nickel	28	0.99		mg/Kg-dry	10	8/12/2017
Potassium	1500	30		mg/Kg-dry	10	8/12/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/12/2017
Silver	ND	0.99		mg/Kg-dry	10	8/12/2017
Sodium	1700	59		mg/Kg-dry	10	8/12/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/12/2017
Vanadium	34	0.99		mg/Kg-dry	10	8/12/2017
Zinc	88	4.9		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.014	0.0040		mg/L	2	8/11/2017
Barium	0.11	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.038	0.0040		mg/L	2	8/11/2017
Cobalt	0.0087	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	41	0.10		mg/L	2	8/11/2017
Lead	0.021	0.0020		mg/L	2	8/11/2017
Manganese	0.32	0.0040		mg/L	2	8/11/2017
Nickel	0.032	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.12	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/14/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.43	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

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J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-23-04 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 2:00:00 PM

Lab ID: 17080266-030B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/14/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	1.1	0.010		mg/L	5	8/15/2017
Nickel	ND	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/14/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/9/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/10/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.033	0.022		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/11/2017		Analyst: RW	
pH	9.03			pH Units	1	8/11/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	15.4	0.2	*	wt%	1	8/10/2017

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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-32-01 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:29:00 PM

Lab ID: 17080266-031A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.074		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0049		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0098		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.074		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.049		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0098		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0049		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0098		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0098		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/15/2017

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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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-32-01 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:29:00 PM

Lab ID: 17080266-031B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: MEP
Acenaphthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/13/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-32-01 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:29:00 PM

Lab ID: 17080266-031B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.81		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	25000	22		mg/Kg-dry	10	8/12/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/12/2017
Arsenic	21	1.1		mg/Kg-dry	10	8/12/2017
Barium	130	1.1		mg/Kg-dry	10	8/12/2017
Beryllium	1.6	0.55		mg/Kg-dry	10	8/12/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-32-01 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:29:00 PM

Lab ID: 17080266-031B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.55		mg/Kg-dry	10	8/12/2017
Calcium	14000	66		mg/Kg-dry	10	8/12/2017
Chromium	34	1.1		mg/Kg-dry	10	8/12/2017
Cobalt	21	1.1		mg/Kg-dry	10	8/12/2017
Copper	47	2.8		mg/Kg-dry	10	8/12/2017
Iron	49000	33		mg/Kg-dry	10	8/12/2017
Lead	32	0.55		mg/Kg-dry	10	8/12/2017
Magnesium	12000	33		mg/Kg-dry	10	8/12/2017
Manganese	1100	1.1		mg/Kg-dry	10	8/12/2017
Nickel	61	1.1		mg/Kg-dry	10	8/12/2017
Potassium	2400	33		mg/Kg-dry	10	8/12/2017
Selenium	1.1	1.1		mg/Kg-dry	10	8/12/2017
Silver	ND	1.1		mg/Kg-dry	10	8/12/2017
Sodium	4000	66		mg/Kg-dry	10	8/12/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/12/2017
Vanadium	46	1.1		mg/Kg-dry	10	8/12/2017
Zinc	130	5.5		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.032	0.0040		mg/L	2	8/11/2017
Barium	0.18	0.020		mg/L	2	8/11/2017
Beryllium	0.0025	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.063	0.0040		mg/L	2	8/11/2017
Cobalt	0.018	0.0040		mg/L	2	8/11/2017
Copper	0.078	0.040		mg/L	2	8/11/2017
Iron	75	0.10		mg/L	2	8/11/2017
Lead	0.029	0.0020		mg/L	2	8/11/2017
Manganese	0.65	0.0040		mg/L	2	8/11/2017
Nickel	0.089	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.22	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/14/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.58	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-32-01 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:29:00 PM

Lab ID: 17080266-031B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/14/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	0.35	0.010		mg/L	5	8/15/2017
Nickel	0.014	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/14/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/9/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/10/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.037	0.024		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/11/2017		Analyst: RW	
pH	9.06			pH Units	1	8/11/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	18.3	0.2	*	wt%	1	8/10/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-32-02 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:42:00 PM

Lab ID: 17080266-032A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.069		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0046		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0092		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.069		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.046		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0092		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0046		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0092		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0092		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

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

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-32-02 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:42:00 PM

Lab ID: 17080266-032B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/13/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-32-02 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:42:00 PM

Lab ID: 17080266-032B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.78		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	15000	20		mg/Kg-dry	10	8/12/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/12/2017
Arsenic	13	0.98		mg/Kg-dry	10	8/12/2017
Barium	93	0.98		mg/Kg-dry	10	8/12/2017
Beryllium	0.90	0.49		mg/Kg-dry	10	8/12/2017

Qualifiers:

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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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-32-02 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:42:00 PM

Lab ID: 17080266-032B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/12/2017
Calcium	77000	59		mg/Kg-dry	10	8/12/2017
Chromium	25	0.98		mg/Kg-dry	10	8/12/2017
Cobalt	14	0.98		mg/Kg-dry	10	8/12/2017
Copper	32	2.4		mg/Kg-dry	10	8/12/2017
Iron	32000	29		mg/Kg-dry	10	8/12/2017
Lead	30	0.49		mg/Kg-dry	10	8/12/2017
Magnesium	44000	29		mg/Kg-dry	10	8/12/2017
Manganese	780	0.98		mg/Kg-dry	10	8/12/2017
Nickel	34	0.98		mg/Kg-dry	10	8/12/2017
Potassium	2100	29		mg/Kg-dry	10	8/12/2017
Selenium	ND	0.98		mg/Kg-dry	10	8/12/2017
Silver	ND	0.98		mg/Kg-dry	10	8/12/2017
Sodium	1800	59		mg/Kg-dry	10	8/12/2017
Thallium	ND	0.98		mg/Kg-dry	10	8/12/2017
Vanadium	31	0.98		mg/Kg-dry	10	8/12/2017
Zinc	86	4.9		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.018	0.0040		mg/L	2	8/11/2017
Barium	0.090	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.034	0.0040		mg/L	2	8/11/2017
Cobalt	0.010	0.0040		mg/L	2	8/11/2017
Copper	0.045	0.040		mg/L	2	8/11/2017
Iron	37	0.10		mg/L	2	8/11/2017
Lead	0.022	0.0020		mg/L	2	8/11/2017
Manganese	0.22	0.0040		mg/L	2	8/11/2017
Nickel	0.038	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.11	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/14/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.47	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-32-02 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:42:00 PM

Lab ID: 17080266-032B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/14/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	0.22	0.010		mg/L	5	8/15/2017
Nickel	0.010	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/14/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/9/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/10/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.028	0.022		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/11/2017		Analyst: RW	
pH	9.01			pH Units	1	8/11/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	14.2	0.2	*	wt%	1	8/10/2017

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-32-03 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:45:00 PM

Lab ID: 17080266-033A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.071		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0095		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.071		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.048		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0095		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0095		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0095		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-32-03 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:45:00 PM

Lab ID: 17080266-033B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)			Prep Date: 8/9/2017	Analyst: MEP
Acenaphthene	ND	0.036		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.036		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.036		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	0.16	0.036		mg/Kg-dry	1	8/13/2017
Benidine	ND	0.36		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	0.069	0.036		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	0.094	0.036		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	0.17	0.036		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	0.063	0.036		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.91		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.91		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Chrysene	0.21	0.036		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	0.13	0.036		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.91		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/13/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-32-03 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:45:00 PM

Lab ID: 17080266-033B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Fluoranthene	0.37	0.036		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.036		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	0.14	0.036		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.036		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.036		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.074		mg/Kg-dry	1	8/13/2017
Phenanthrene	0.14	0.036		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Pyrene	0.32	0.036		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.74		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	9800	20		mg/Kg-dry	10	8/12/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/12/2017
Arsenic	7.5	0.98		mg/Kg-dry	10	8/12/2017
Barium	100	0.98		mg/Kg-dry	10	8/12/2017
Beryllium	0.59	0.49		mg/Kg-dry	10	8/12/2017

Qualifiers:

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-32-03 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:45:00 PM

Lab ID: 17080266-033B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	0.56	0.49		mg/Kg-dry	10	8/12/2017
Calcium	80000	59		mg/Kg-dry	10	8/12/2017
Chromium	36	0.98		mg/Kg-dry	10	8/12/2017
Cobalt	11	0.98		mg/Kg-dry	10	8/12/2017
Copper	38	2.5		mg/Kg-dry	10	8/12/2017
Iron	23000	30		mg/Kg-dry	10	8/12/2017
Lead	44	0.49		mg/Kg-dry	10	8/12/2017
Magnesium	44000	30		mg/Kg-dry	10	8/12/2017
Manganese	650	0.98		mg/Kg-dry	10	8/12/2017
Nickel	26	0.98		mg/Kg-dry	10	8/12/2017
Potassium	1700	30		mg/Kg-dry	10	8/12/2017
Selenium	ND	0.98		mg/Kg-dry	10	8/12/2017
Silver	ND	0.98		mg/Kg-dry	10	8/12/2017
Sodium	880	59		mg/Kg-dry	10	8/12/2017
Thallium	ND	0.98		mg/Kg-dry	10	8/12/2017
Vanadium	24	0.98		mg/Kg-dry	10	8/12/2017
Zinc	130	4.9		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.0062	0.0040		mg/L	2	8/11/2017
Barium	0.029	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.016	0.0040		mg/L	2	8/11/2017
Cobalt	ND	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	10	0.10		mg/L	2	8/11/2017
Lead	0.0050	0.0020		mg/L	2	8/11/2017
Manganese	0.053	0.0040		mg/L	2	8/11/2017
Nickel	0.012	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.035	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/14/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.53	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-32-03 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:45:00 PM

Lab ID: 17080266-033B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)				Prep Date: 8/14/2017	Analyst: JG
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	0.75	0.010		mg/L	5	8/15/2017
Nickel	ND	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A				Prep Date: 8/14/2017	Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A				Prep Date: 8/9/2017	Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/10/2017
Mercury	SW7471A				Prep Date: 8/10/2017	Analyst: LB
Mercury	0.024	0.020		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C				Prep Date: 8/11/2017	Analyst: RW
pH	8.66			pH Units	1	8/11/2017
Percent Moisture	D2974				Prep Date: 8/9/2017	Analyst: KKA
Percent Moisture	10.5	0.2	*	wt%	1	8/10/2017

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-01 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:13:00 PM

Lab ID: 17080266-034A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: ERP
Acetone	ND	0.082		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0055		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0055		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0055		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.082		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.055		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0055		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0055		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0055		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0055		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0055		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0055		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0055		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0055		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.022		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0055		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0055		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0055		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0055		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0055		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0055		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0055		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0055		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0055		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-01 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:13:00 PM

Lab ID: 17080266-034B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)			Prep Date: 8/9/2017	Analyst: MEP
Acenaphthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/13/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-01 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:13:00 PM

Lab ID: 17080266-034B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.81		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	19000	20		mg/Kg-dry	10	8/12/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/12/2017
Arsenic	12	1.0		mg/Kg-dry	10	8/12/2017
Barium	100	1.0		mg/Kg-dry	10	8/12/2017
Beryllium	1.5	0.51		mg/Kg-dry	10	8/14/2017

Qualifiers:

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-01 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:13:00 PM

Lab ID: 17080266-034B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/12/2017
Calcium	39000	61		mg/Kg-dry	10	8/12/2017
Chromium	27	1.0		mg/Kg-dry	10	8/12/2017
Cobalt	15	1.0		mg/Kg-dry	10	8/12/2017
Copper	34	2.6		mg/Kg-dry	10	8/12/2017
Iron	34000	31		mg/Kg-dry	10	8/12/2017
Lead	20	0.51		mg/Kg-dry	10	8/12/2017
Magnesium	25000	31		mg/Kg-dry	10	8/12/2017
Manganese	790	1.0		mg/Kg-dry	10	8/12/2017
Nickel	33	1.0		mg/Kg-dry	10	8/12/2017
Potassium	1900	31		mg/Kg-dry	10	8/12/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/12/2017
Silver	ND	1.0		mg/Kg-dry	10	8/12/2017
Sodium	1800	61		mg/Kg-dry	10	8/12/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/12/2017
Vanadium	38	1.0		mg/Kg-dry	10	8/12/2017
Zinc	73	5.1		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.013	0.0040		mg/L	2	8/11/2017
Barium	0.088	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.027	0.0040		mg/L	2	8/11/2017
Cobalt	0.0072	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	28	0.10		mg/L	2	8/11/2017
Lead	0.012	0.0020		mg/L	2	8/11/2017
Manganese	0.17	0.0040		mg/L	2	8/11/2017
Nickel	0.029	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.073	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/14/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.84	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-01 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 1:13:00 PM

Lab ID: 17080266-034B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/14/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	1.2	0.010		mg/L	5	8/15/2017
Nickel	0.014	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/14/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/9/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/10/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.040	0.018		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/11/2017		Analyst: RW	
pH	8.35			pH Units	1	8/11/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	17.6	0.2	*	wt%	1	8/10/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-02 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:15:00 PM

Lab ID: 17080266-035A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.074		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0049		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0099		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.074		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.049		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0099		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0049		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0099		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0099		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/15/2017

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-02 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:15:00 PM

Lab ID: 17080266-035B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)	Prep Date: 8/9/2017		Analyst: MEP	
Acenaphthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.98		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/13/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-02 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:15:00 PM

Lab ID: 17080266-035B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.79		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	18000	21		mg/Kg-dry	10	8/12/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/12/2017
Arsenic	8.9	1.0		mg/Kg-dry	10	8/12/2017
Barium	170	1.0		mg/Kg-dry	10	8/12/2017
Beryllium	1.3	0.52		mg/Kg-dry	10	8/14/2017

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Report Date: August 17, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-02 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:15:00 PM

Lab ID: 17080266-035B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/12/2017
Calcium	18000	62		mg/Kg-dry	10	8/12/2017
Chromium	27	1.0		mg/Kg-dry	10	8/12/2017
Cobalt	13	1.0		mg/Kg-dry	10	8/12/2017
Copper	31	2.6		mg/Kg-dry	10	8/12/2017
Iron	28000	31		mg/Kg-dry	10	8/12/2017
Lead	33	0.52		mg/Kg-dry	10	8/12/2017
Magnesium	11000	31		mg/Kg-dry	10	8/12/2017
Manganese	640	1.0		mg/Kg-dry	10	8/12/2017
Nickel	30	1.0		mg/Kg-dry	10	8/12/2017
Potassium	2000	31		mg/Kg-dry	10	8/12/2017
Selenium	1.0	1.0		mg/Kg-dry	10	8/12/2017
Silver	ND	1.0		mg/Kg-dry	10	8/12/2017
Sodium	3200	62		mg/Kg-dry	10	8/12/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/12/2017
Vanadium	37	1.0		mg/Kg-dry	10	8/12/2017
Zinc	86	5.2		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.011	0.0040		mg/L	2	8/11/2017
Barium	0.091	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.028	0.0040		mg/L	2	8/11/2017
Cobalt	0.0063	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	24	0.10		mg/L	2	8/11/2017
Lead	0.014	0.0020		mg/L	2	8/11/2017
Manganese	0.17	0.0040		mg/L	2	8/11/2017
Nickel	0.023	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.075	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/14/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.65	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

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

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

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-02 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:15:00 PM

Lab ID: 17080266-035B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/14/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	0.34	0.010		mg/L	5	8/15/2017
Nickel	ND	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/14/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/9/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/10/2017
Mercury	SW7471A					Prep Date: 8/10/2017 Analyst: LB
Mercury	0.036	0.022		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/11/2017 Analyst: RW
pH	9.03			pH Units	1	8/11/2017
Percent Moisture	D2974					Prep Date: 8/9/2017 Analyst: KKA
Percent Moisture	16.8	0.2	*	wt%	1	8/10/2017

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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-03 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:12:00 PM

Lab ID: 17080266-036A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.075		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.075		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.050		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-03 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:12:00 PM

Lab ID: 17080266-036B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	0.11	0.038		mg/Kg-dry	1	8/13/2017
Benzdine	ND	0.38		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	0.10	0.038		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Chrysene	0.15	0.038		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	0.11	0.038		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/13/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-03 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:12:00 PM

Lab ID: 17080266-036B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Fluoranthene	0.27	0.038		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	0.089	0.038		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	8/13/2017
Phenanthrene	0.12	0.038		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Pyrene	0.23	0.038		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.78		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	13000	19		mg/Kg-dry	10	8/11/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/11/2017
Arsenic	11	0.97		mg/Kg-dry	10	8/11/2017
Barium	98	0.97		mg/Kg-dry	10	8/11/2017
Beryllium	0.73	0.49		mg/Kg-dry	10	8/11/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-03 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:12:00 PM

Lab ID: 17080266-036B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/11/2017
Calcium	31000	58		mg/Kg-dry	10	8/11/2017
Chromium	21	0.97		mg/Kg-dry	10	8/11/2017
Cobalt	13	0.97		mg/Kg-dry	10	8/11/2017
Copper	28	2.4		mg/Kg-dry	10	8/11/2017
Iron	27000	29		mg/Kg-dry	10	8/11/2017
Lead	33	0.49		mg/Kg-dry	10	8/11/2017
Magnesium	18000	29		mg/Kg-dry	10	8/11/2017
Manganese	780	0.97		mg/Kg-dry	10	8/11/2017
Nickel	28	0.97		mg/Kg-dry	10	8/11/2017
Potassium	1500	29		mg/Kg-dry	10	8/11/2017
Selenium	ND	0.97		mg/Kg-dry	10	8/11/2017
Silver	ND	0.97		mg/Kg-dry	10	8/11/2017
Sodium	1700	58		mg/Kg-dry	10	8/11/2017
Thallium	ND	0.97		mg/Kg-dry	10	8/11/2017
Vanadium	30	0.97		mg/Kg-dry	10	8/11/2017
Zinc	77	4.9		mg/Kg-dry	10	8/11/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.0098	0.0040		mg/L	2	8/11/2017
Barium	0.081	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.026	0.0040		mg/L	2	8/11/2017
Cobalt	0.0072	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	23	0.10		mg/L	2	8/11/2017
Lead	0.025	0.0020		mg/L	2	8/11/2017
Manganese	0.24	0.0040		mg/L	2	8/11/2017
Nickel	0.024	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.090	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/14/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.60	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-03 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:12:00 PM

Lab ID: 17080266-036B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)			Prep Date: 8/14/2017		Analyst: JG
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	0.27	0.010		mg/L	5	8/15/2017
Nickel	ND	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A			Prep Date: 8/14/2017		Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A			Prep Date: 8/9/2017		Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/10/2017
Mercury	SW7471A			Prep Date: 8/10/2017		Analyst: LB
Mercury	0.038	0.023		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C			Prep Date: 8/11/2017		Analyst: RW
pH	8.98			pH Units	1	8/11/2017
Percent Moisture	D2974			Prep Date: 8/9/2017		Analyst: KKA
Percent Moisture	13.9	0.2	*	wt%	1	8/10/2017

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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-04 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:20:00 PM

Lab ID: 17080266-037A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: ERP
Acetone	ND	0.066		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0044		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0088		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.066		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.044		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0088		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0044		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0088		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0088		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-04 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:20:00 PM

Lab ID: 17080266-037B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)			Prep Date: 8/9/2017	Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.95		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.95		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.95		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/13/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-04 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:20:00 PM

Lab ID: 17080266-037B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS		SW6020 (SW3050B)		Prep Date: 8/9/2017		Analyst: JG
Aluminum	10000	19		mg/Kg-dry	10	8/12/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/12/2017
Arsenic	7.8	0.97		mg/Kg-dry	10	8/12/2017
Barium	72	0.97		mg/Kg-dry	10	8/12/2017
Beryllium	0.69	0.48		mg/Kg-dry	10	8/14/2017

Qualifiers:

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-04 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:20:00 PM

Lab ID: 17080266-037B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/12/2017
Calcium	97000	58		mg/Kg-dry	10	8/12/2017
Chromium	31	0.97		mg/Kg-dry	10	8/12/2017
Cobalt	9.0	0.97		mg/Kg-dry	10	8/12/2017
Copper	19	2.4		mg/Kg-dry	10	8/12/2017
Iron	20000	29		mg/Kg-dry	10	8/12/2017
Lead	26	0.48		mg/Kg-dry	10	8/12/2017
Magnesium	44000	29		mg/Kg-dry	10	8/12/2017
Manganese	580	0.97		mg/Kg-dry	10	8/12/2017
Nickel	21	0.97		mg/Kg-dry	10	8/12/2017
Potassium	1300	29		mg/Kg-dry	10	8/12/2017
Selenium	ND	0.97		mg/Kg-dry	10	8/12/2017
Silver	ND	0.97		mg/Kg-dry	10	8/12/2017
Sodium	2100	58		mg/Kg-dry	10	8/12/2017
Thallium	ND	0.97		mg/Kg-dry	10	8/12/2017
Vanadium	25	0.97		mg/Kg-dry	10	8/12/2017
Zinc	57	4.8		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.011	0.0040		mg/L	2	8/11/2017
Barium	0.043	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.020	0.0040		mg/L	2	8/11/2017
Cobalt	0.0046	0.0040		mg/L	2	8/11/2017
Copper	ND	0.040		mg/L	2	8/11/2017
Iron	14	0.10		mg/L	2	8/11/2017
Lead	0.013	0.0020		mg/L	2	8/11/2017
Manganese	0.14	0.0040		mg/L	2	8/11/2017
Nickel	0.016	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.045	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/14/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.49	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-04 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:20:00 PM

Lab ID: 17080266-037B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/14/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	0.47	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	0.52	0.010		mg/L	5	8/15/2017
Nickel	ND	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/14/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/9/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/10/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.036	0.021		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/11/2017		Analyst: RW	
pH	8.72			pH Units	1	8/11/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	13.2	0.2	*	wt%	1	8/10/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-05 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:23:00 PM

Lab ID: 17080266-038A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: ERP
Acetone	ND	0.074		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0099		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.074		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.050		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0099		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0099		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0099		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/15/2017

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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-05 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:23:00 PM

Lab ID: 17080266-038B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.94		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/13/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-05 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:23:00 PM

Lab ID: 17080266-038B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.076		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.76		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	14000	20		mg/Kg-dry	10	8/12/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/12/2017
Arsenic	13	1.0		mg/Kg-dry	10	8/12/2017
Barium	97	1.0		mg/Kg-dry	10	8/12/2017
Beryllium	1.0	0.50		mg/Kg-dry	10	8/14/2017

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-05 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:23:00 PM

Lab ID: 17080266-038B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/12/2017
Calcium	53000	60		mg/Kg-dry	10	8/12/2017
Chromium	24	1.0		mg/Kg-dry	10	8/12/2017
Cobalt	15	1.0		mg/Kg-dry	10	8/12/2017
Copper	33	2.5		mg/Kg-dry	10	8/12/2017
Iron	32000	30		mg/Kg-dry	10	8/12/2017
Lead	39	0.50		mg/Kg-dry	10	8/12/2017
Magnesium	31000	30		mg/Kg-dry	10	8/12/2017
Manganese	820	1.0		mg/Kg-dry	10	8/12/2017
Nickel	33	1.0		mg/Kg-dry	10	8/12/2017
Potassium	1700	30		mg/Kg-dry	10	8/12/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/12/2017
Silver	ND	1.0		mg/Kg-dry	10	8/12/2017
Sodium	1900	60		mg/Kg-dry	10	8/12/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/12/2017
Vanadium	31	1.0		mg/Kg-dry	10	8/12/2017
Zinc	99	5.0		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/10/2017

Analyst: JG

Arsenic	0.016	0.0040		mg/L	2	8/11/2017
Barium	0.087	0.020		mg/L	2	8/11/2017
Beryllium	ND	0.0020		mg/L	2	8/11/2017
Cadmium	ND	0.0020		mg/L	2	8/11/2017
Chromium	0.032	0.0040		mg/L	2	8/11/2017
Cobalt	0.010	0.0040		mg/L	2	8/11/2017
Copper	0.042	0.040		mg/L	2	8/11/2017
Iron	36	0.10		mg/L	2	8/11/2017
Lead	0.026	0.0020		mg/L	2	8/11/2017
Manganese	0.23	0.0040		mg/L	2	8/11/2017
Nickel	0.037	0.0040		mg/L	2	8/11/2017
Selenium	ND	0.0040		mg/L	2	8/11/2017
Silver	ND	0.0040		mg/L	2	8/11/2017
Zinc	0.12	0.020		mg/L	2	8/11/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/14/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.66	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-05 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:23:00 PM

Lab ID: 17080266-038B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/14/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	0.27	0.010		mg/L	5	8/15/2017
Nickel	ND	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/14/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/9/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/10/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.032	0.019		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/11/2017		Analyst: RW	
pH	9.08			pH Units	1	8/11/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	13.8	0.2	*	wt%	1	8/10/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-06 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:27:00 PM

Lab ID: 17080266-039A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.076		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.076		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.050		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/15/2017

Qualifiers:

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J - Analyte detected below quantitation limits

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-06 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:27:00 PM

Lab ID: 17080266-039B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: MEP
Acenaphthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.98		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Chrysene	0.046	0.039		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/13/2017

Qualifiers:

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STAT Analysis Corporation

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

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-06 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:27:00 PM

Lab ID: 17080266-039B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Fluoranthene	0.066	0.039		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Pyrene	0.059	0.039		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.79		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	15000	21		mg/Kg-dry	10	8/12/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/12/2017
Arsenic	12	1.0		mg/Kg-dry	10	8/12/2017
Barium	100	1.0		mg/Kg-dry	10	8/12/2017
Beryllium	1.1	0.52		mg/Kg-dry	10	8/14/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-06 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:27:00 PM

Lab ID: 17080266-039B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/12/2017
Calcium	49000	62		mg/Kg-dry	10	8/12/2017
Chromium	24	1.0		mg/Kg-dry	10	8/12/2017
Cobalt	14	1.0		mg/Kg-dry	10	8/12/2017
Copper	31	2.6		mg/Kg-dry	10	8/12/2017
Iron	30000	31		mg/Kg-dry	10	8/12/2017
Lead	33	0.52		mg/Kg-dry	10	8/12/2017
Magnesium	29000	31		mg/Kg-dry	10	8/12/2017
Manganese	730	1.0		mg/Kg-dry	10	8/12/2017
Nickel	32	1.0		mg/Kg-dry	10	8/12/2017
Potassium	1700	31		mg/Kg-dry	10	8/12/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/12/2017
Silver	ND	1.0		mg/Kg-dry	10	8/12/2017
Sodium	2000	62		mg/Kg-dry	10	8/12/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/12/2017
Vanadium	31	1.0		mg/Kg-dry	10	8/12/2017
Zinc	88	5.2		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/15/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.0051	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	3.0	0.10		mg/L	2	8/16/2017
Lead	0.0023	0.0020		mg/L	2	8/16/2017
Manganese	0.028	0.0040		mg/L	2	8/16/2017
Nickel	0.0047	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	ND	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/14/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.64	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

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Report Date: August 17, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-33-06 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 1:27:00 PM

Lab ID: 17080266-039B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/14/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	ND	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	ND	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	0.077	0.010		mg/L	5	8/15/2017
Nickel	ND	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/14/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.022	0.021		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/11/2017		Analyst: RW	
pH	7.91			pH Units	1	8/11/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	15.5	0.2	*	wt%	1	8/10/2017

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-04 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:15:00 PM

Lab ID: 17080266-040A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: ERP
Acetone	ND	0.075		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.075		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.050		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-04 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:15:00 PM

Lab ID: 17080266-040B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/9/2017		Analyst: MEP
Acenaphthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.41		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/13/2017

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Client Sample ID: 2531V-34-04 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:15:00 PM

Lab ID: 17080266-040B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/9/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.82		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	15000	21		mg/Kg-dry	10	8/12/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/12/2017
Arsenic	9.0	1.1		mg/Kg-dry	10	8/12/2017
Barium	110	1.1		mg/Kg-dry	10	8/12/2017
Beryllium	1.1	0.53		mg/Kg-dry	10	8/14/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-04 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:15:00 PM

Lab ID: 17080266-040B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.53		mg/Kg-dry	10	8/12/2017
Calcium	68000	63		mg/Kg-dry	10	8/12/2017
Chromium	25	1.1		mg/Kg-dry	10	8/12/2017
Cobalt	14	1.1		mg/Kg-dry	10	8/12/2017
Copper	33	2.6		mg/Kg-dry	10	8/12/2017
Iron	28000	32		mg/Kg-dry	10	8/12/2017
Lead	25	0.53		mg/Kg-dry	10	8/12/2017
Magnesium	40000	32		mg/Kg-dry	10	8/12/2017
Manganese	760	1.1		mg/Kg-dry	10	8/12/2017
Nickel	34	1.1		mg/Kg-dry	10	8/12/2017
Potassium	2200	32		mg/Kg-dry	10	8/12/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/12/2017
Silver	ND	1.1		mg/Kg-dry	10	8/12/2017
Sodium	830	63		mg/Kg-dry	10	8/12/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/12/2017
Vanadium	32	1.1		mg/Kg-dry	10	8/12/2017
Zinc	95	5.3		mg/Kg-dry	10	8/12/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	0.56	0.10		mg/L	2	8/16/2017
Lead	ND	0.0020		mg/L	2	8/16/2017
Manganese	0.0079	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	ND	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/14/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.77	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-04 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:15:00 PM

Lab ID: 17080266-040B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/14/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	0.041	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	1.4	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	12	0.010		mg/L	5	8/15/2017
Nickel	0.054	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	0.088	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/14/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.028	0.019		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/11/2017		Analyst: RW	
pH	8.29			pH Units	1	8/11/2017
Percent Moisture	D2974		Prep Date: 8/9/2017		Analyst: KKA	
Percent Moisture	19.3	0.2	*	wt%	1	8/10/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-04 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:18:00 PM

Lab ID: 17080266-041A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.079		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0052		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0052		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.079		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.052		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0052		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-04 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:18:00 PM

Lab ID: 17080266-041B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.97		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.97		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.97		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/13/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-04 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:18:00 PM

Lab ID: 17080266-041B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.78		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	13000	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	7.1	1.0		mg/Kg-dry	10	8/13/2017
Barium	75	1.0		mg/Kg-dry	10	8/13/2017
Beryllium	0.68	0.51		mg/Kg-dry	10	8/13/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-04 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:18:00 PM

Lab ID: 17080266-041B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/13/2017
Calcium	44000	61		mg/Kg-dry	10	8/13/2017
Chromium	21	1.0		mg/Kg-dry	10	8/13/2017
Cobalt	9.1	1.0		mg/Kg-dry	10	8/13/2017
Copper	26	2.6		mg/Kg-dry	10	8/13/2017
Iron	23000	31		mg/Kg-dry	10	8/13/2017
Lead	15	0.51		mg/Kg-dry	10	8/13/2017
Magnesium	26000	31		mg/Kg-dry	10	8/13/2017
Manganese	430	1.0		mg/Kg-dry	10	8/13/2017
Nickel	30	1.0		mg/Kg-dry	10	8/13/2017
Potassium	2000	31		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/13/2017
Silver	ND	1.0		mg/Kg-dry	10	8/13/2017
Sodium	360	61		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/13/2017
Vanadium	25	1.0		mg/Kg-dry	10	8/13/2017
Zinc	62	5.1		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	1.0	0.10		mg/L	2	8/16/2017
Lead	ND	0.0020		mg/L	2	8/16/2017
Manganese	0.020	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	ND	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/15/2017
Barium	0.50	0.050		mg/L	5	8/15/2017
Beryllium	ND	0.0050		mg/L	5	8/15/2017
Cadmium	ND	0.0050		mg/L	5	8/15/2017

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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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

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

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

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-04 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:18:00 PM

Lab ID: 17080266-041B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/12/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/15/2017
Cobalt	0.072	0.010		mg/L	5	8/15/2017
Copper	ND	0.10		mg/L	5	8/15/2017
Iron	0.65	0.25		mg/L	5	8/15/2017
Lead	ND	0.0050		mg/L	5	8/15/2017
Manganese	9.0	0.010		mg/L	5	8/15/2017
Nickel	0.068	0.010		mg/L	5	8/15/2017
Selenium	ND	0.010		mg/L	5	8/15/2017
Silver	ND	0.010		mg/L	5	8/15/2017
Zinc	ND	0.050		mg/L	5	8/15/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/14/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/14/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A					Prep Date: 8/10/2017 Analyst: LB
Mercury	0.023	0.022		mg/Kg-dry	1	8/10/2017
pH (25 °C)	SW9045C					Prep Date: 8/11/2017 Analyst: RW
pH	7.99			pH Units	1	8/11/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	14.6	0.2	*	wt%	1	8/11/2017

Qualifiers:

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-05 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:27:00 PM

Lab ID: 17080266-042A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: ERP
Acetone	ND	0.071		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0095		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.071		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0095		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0095		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0095		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-05 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:27:00 PM

Lab ID: 17080266-042B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.93		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.93		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.93		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/13/2017

Qualifiers:

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-05 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:27:00 PM

Lab ID: 17080266-042B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Fluoranthene	0.041	0.037		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.075		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.75		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	7500	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	6.6	1.0		mg/Kg-dry	10	8/13/2017
Barium	55	1.0		mg/Kg-dry	10	8/13/2017
Beryllium	ND	0.50		mg/Kg-dry	10	8/13/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-05 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:27:00 PM

Lab ID: 17080266-042B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/13/2017
Calcium	80000	61		mg/Kg-dry	10	8/13/2017
Chromium	21	1.0		mg/Kg-dry	10	8/13/2017
Cobalt	8.7	1.0		mg/Kg-dry	10	8/13/2017
Copper	27	2.5		mg/Kg-dry	10	8/13/2017
Iron	19000	30		mg/Kg-dry	10	8/13/2017
Lead	17	0.50		mg/Kg-dry	10	8/13/2017
Magnesium	45000	30		mg/Kg-dry	10	8/13/2017
Manganese	490	1.0		mg/Kg-dry	10	8/13/2017
Nickel	22	1.0		mg/Kg-dry	10	8/13/2017
Potassium	1300	30		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/13/2017
Silver	ND	1.0		mg/Kg-dry	10	8/13/2017
Sodium	450	61		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/13/2017
Vanadium	20	1.0		mg/Kg-dry	10	8/13/2017
Zinc	83	5.0		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	0.41	0.10		mg/L	2	8/16/2017
Lead	ND	0.0020		mg/L	2	8/16/2017
Manganese	0.011	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	ND	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/15/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/16/2017
Barium	0.75	0.050		mg/L	5	8/16/2017
Beryllium	ND	0.0050		mg/L	5	8/16/2017
Cadmium	ND	0.0050		mg/L	5	8/16/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-05 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:27:00 PM

Lab ID: 17080266-042B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/15/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/16/2017
Cobalt	0.019	0.010		mg/L	5	8/16/2017
Copper	ND	0.10		mg/L	5	8/16/2017
Iron	0.92	0.25		mg/L	5	8/16/2017
Lead	ND	0.0050		mg/L	5	8/16/2017
Manganese	7.3	0.010		mg/L	5	8/16/2017
Nickel	0.024	0.010		mg/L	5	8/16/2017
Selenium	ND	0.010		mg/L	5	8/16/2017
Silver	ND	0.010		mg/L	5	8/16/2017
Zinc	0.082	0.050		mg/L	5	8/16/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/15/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A					Prep Date: 8/10/2017 Analyst: LB
Mercury	0.023	0.021		mg/Kg-dry	1	8/10/2017
pH (25 °C)	SW9045C					Prep Date: 8/11/2017 Analyst: RW
pH	7.80			pH Units	1	8/11/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	12.2	0.2	*	wt%	1	8/11/2017

Qualifiers:

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J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-05 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:30:00 PM

Lab ID: 17080266-043A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: ERP
Acetone	ND	0.068		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0045		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0045		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0091		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.068		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.045		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0045		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0045		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0091		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0045		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0091		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0045		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0045		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0091		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0045		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0045		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0045		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0045		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0045		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

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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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-05 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:30:00 PM

Lab ID: 17080266-043B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	0.044	0.038		mg/Kg-dry	1	8/13/2017
Benidine	ND	0.38		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Chrysene	0.052	0.038		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/13/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-05 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:30:00 PM

Lab ID: 17080266-043B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Fluoranthene	0.092	0.038		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/13/2017
Phenanthrene	0.041	0.038		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Pyrene	0.074	0.038		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	10000	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	6.7	0.98		mg/Kg-dry	10	8/13/2017
Barium	71	0.98		mg/Kg-dry	10	8/13/2017
Beryllium	0.55	0.49		mg/Kg-dry	10	8/13/2017

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-05 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:30:00 PM

Lab ID: 17080266-043B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/13/2017
Calcium	52000	59		mg/Kg-dry	10	8/13/2017
Chromium	25	0.98		mg/Kg-dry	10	8/13/2017
Cobalt	9.0	0.98		mg/Kg-dry	10	8/13/2017
Copper	26	2.4		mg/Kg-dry	10	8/13/2017
Iron	20000	29		mg/Kg-dry	10	8/13/2017
Lead	21	0.49		mg/Kg-dry	10	8/13/2017
Magnesium	30000	29		mg/Kg-dry	10	8/13/2017
Manganese	350	0.98		mg/Kg-dry	10	8/13/2017
Nickel	20	0.98		mg/Kg-dry	10	8/13/2017
Potassium	1400	29		mg/Kg-dry	10	8/13/2017
Selenium	ND	0.98		mg/Kg-dry	10	8/13/2017
Silver	ND	0.98		mg/Kg-dry	10	8/13/2017
Sodium	2300	59		mg/Kg-dry	10	8/13/2017
Thallium	ND	0.98		mg/Kg-dry	10	8/13/2017
Vanadium	24	0.98		mg/Kg-dry	10	8/13/2017
Zinc	71	4.9		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	0.0042	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.0074	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	6.6	0.10		mg/L	2	8/16/2017
Lead	0.0040	0.0020		mg/L	2	8/16/2017
Manganese	0.057	0.0040		mg/L	2	8/16/2017
Nickel	0.0094	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	ND	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/15/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/16/2017
Barium	0.65	0.050		mg/L	5	8/16/2017
Beryllium	ND	0.0050		mg/L	5	8/16/2017
Cadmium	ND	0.0050		mg/L	5	8/16/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-05 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:30:00 PM

Lab ID: 17080266-043B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/15/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/16/2017
Cobalt	0.025	0.010		mg/L	5	8/16/2017
Copper	ND	0.10		mg/L	5	8/16/2017
Iron	1.4	0.25		mg/L	5	8/16/2017
Lead	ND	0.0050		mg/L	5	8/16/2017
Manganese	7.1	0.010		mg/L	5	8/16/2017
Nickel	0.024	0.010		mg/L	5	8/16/2017
Selenium	ND	0.010		mg/L	5	8/16/2017
Silver	ND	0.010		mg/L	5	8/16/2017
Zinc	0.075	0.050		mg/L	5	8/16/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/15/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	ND	0.020		mg/Kg-dry	1	8/10/2017
pH (25 °C)	SW9045C		Prep Date: 8/11/2017		Analyst: RW	
pH	8.04			pH Units	1	8/11/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	13.3	0.2	*	wt%	1	8/11/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-06 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:40:00 PM

Lab ID: 17080266-044A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.073		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0049		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0098		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.073		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.049		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0098		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0049		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0098		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0098		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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* - 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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STAT Analysis Corporation

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

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-06 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:40:00 PM

Lab ID: 17080266-044B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.98		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/13/2017

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: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-06 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:40:00 PM

Lab ID: 17080266-044B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Fluoranthene	0.040	0.039		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Pyrene	0.048	0.039		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.79		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/9/2017 Analyst: JG
Aluminum	11000	22		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/13/2017
Arsenic	9.3	1.1		mg/Kg-dry	10	8/13/2017
Barium	65	1.1		mg/Kg-dry	10	8/13/2017
Beryllium	0.58	0.54		mg/Kg-dry	10	8/13/2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-06 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:40:00 PM

Lab ID: 17080266-044B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.54		mg/Kg-dry	10	8/13/2017
Calcium	70000	65		mg/Kg-dry	10	8/13/2017
Chromium	20	1.1		mg/Kg-dry	10	8/13/2017
Cobalt	15	1.1		mg/Kg-dry	10	8/13/2017
Copper	24	2.7		mg/Kg-dry	10	8/13/2017
Iron	24000	32		mg/Kg-dry	10	8/13/2017
Lead	27	0.54		mg/Kg-dry	10	8/13/2017
Magnesium	37000	32		mg/Kg-dry	10	8/13/2017
Manganese	630	1.1		mg/Kg-dry	10	8/13/2017
Nickel	30	1.1		mg/Kg-dry	10	8/13/2017
Potassium	1900	32		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/13/2017
Silver	ND	1.1		mg/Kg-dry	10	8/13/2017
Sodium	1300	65		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/13/2017
Vanadium	24	1.1		mg/Kg-dry	10	8/13/2017
Zinc	140	5.4		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	1.0	0.10		mg/L	2	8/16/2017
Lead	0.0037	0.0020		mg/L	2	8/16/2017
Manganese	0.041	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	ND	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/15/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/16/2017
Barium	0.73	0.050		mg/L	5	8/16/2017
Beryllium	ND	0.0050		mg/L	5	8/16/2017
Cadmium	ND	0.0050		mg/L	5	8/16/2017

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Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-06 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:40:00 PM

Lab ID: 17080266-044B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)				Prep Date: 8/15/2017	Analyst: JG
Chromium	ND	0.010		mg/L	5	8/16/2017
Cobalt	0.019	0.010		mg/L	5	8/16/2017
Copper	ND	0.10		mg/L	5	8/16/2017
Iron	1.2	0.25		mg/L	5	8/16/2017
Lead	ND	0.0050		mg/L	5	8/16/2017
Manganese	11	0.010		mg/L	5	8/16/2017
Nickel	0.019	0.010		mg/L	5	8/16/2017
Selenium	ND	0.010		mg/L	5	8/16/2017
Silver	ND	0.010		mg/L	5	8/16/2017
Zinc	0.066	0.050		mg/L	5	8/16/2017
TCLP Mercury	SW1311/7470A				Prep Date: 8/15/2017	Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/15/2017
SPLP Mercury	SW1312/7470A				Prep Date: 8/11/2017	Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A				Prep Date: 8/10/2017	Analyst: LB
Mercury	ND	0.021		mg/Kg-dry	1	8/10/2017
pH (25 °C)	SW9045C				Prep Date: 8/11/2017	Analyst: RW
pH	8.60			pH Units	1	8/11/2017
Percent Moisture	D2974				Prep Date: 8/10/2017	Analyst: KKA
Percent Moisture	15.6	0.2	*	wt%	1	8/11/2017

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-06 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:45:00 PM

Lab ID: 17080266-045A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: ERP
Acetone	ND	0.091		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0061		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0061		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0061		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.012		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.091		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.061		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0061		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0061		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.012		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0061		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.012		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0061		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0061		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0061		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0061		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0061		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0061		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0061		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0061		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.024		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.024		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.012		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0061		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0061		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0061		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0061		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0061		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0061		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0061		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0061		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0061		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.018		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-06 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:45:00 PM

Lab ID: 17080266-045B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/13/2017

Qualifiers:

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-06 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:45:00 PM

Lab ID: 17080266-045B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.81		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	14000	21		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/13/2017
Arsenic	10	1.0		mg/Kg-dry	10	8/13/2017
Barium	94	1.0		mg/Kg-dry	10	8/13/2017
Beryllium	0.72	0.52		mg/Kg-dry	10	8/13/2017

Qualifiers:

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* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-06 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:45:00 PM

Lab ID: 17080266-045B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/13/2017
Calcium	37000	62		mg/Kg-dry	10	8/13/2017
Chromium	26	1.0		mg/Kg-dry	10	8/13/2017
Cobalt	14	1.0		mg/Kg-dry	10	8/13/2017
Copper	28	2.6		mg/Kg-dry	10	8/13/2017
Iron	26000	31		mg/Kg-dry	10	8/13/2017
Lead	21	0.52		mg/Kg-dry	10	8/13/2017
Magnesium	21000	31		mg/Kg-dry	10	8/13/2017
Manganese	860	1.0		mg/Kg-dry	10	8/13/2017
Nickel	33	1.0		mg/Kg-dry	10	8/13/2017
Potassium	1800	31		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/13/2017
Silver	ND	1.0		mg/Kg-dry	10	8/13/2017
Sodium	130	62		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/13/2017
Vanadium	30	1.0		mg/Kg-dry	10	8/13/2017
Zinc	80	5.2		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	0.0046	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	0.74	0.10		mg/L	2	8/16/2017
Lead	ND	0.0020		mg/L	2	8/16/2017
Manganese	0.029	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	ND	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/15/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/16/2017
Barium	1.0	0.050		mg/L	5	8/16/2017
Beryllium	ND	0.0050		mg/L	5	8/16/2017
Cadmium	ND	0.0050		mg/L	5	8/16/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-06 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:45:00 PM

Lab ID: 17080266-045B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)				Prep Date: 8/15/2017	Analyst: JG
Chromium	ND	0.010		mg/L	5	8/16/2017
Cobalt	0.032	0.010		mg/L	5	8/16/2017
Copper	ND	0.10		mg/L	5	8/16/2017
Iron	1.2	0.25		mg/L	5	8/16/2017
Lead	ND	0.0050		mg/L	5	8/16/2017
Manganese	14	0.010		mg/L	5	8/16/2017
Nickel	0.028	0.010		mg/L	5	8/16/2017
Selenium	ND	0.010		mg/L	5	8/16/2017
Silver	ND	0.010		mg/L	5	8/16/2017
Zinc	0.080	0.050		mg/L	5	8/16/2017
TCLP Mercury	SW1311/7470A				Prep Date: 8/15/2017	Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/15/2017
SPLP Mercury	SW1312/7470A				Prep Date: 8/11/2017	Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A				Prep Date: 8/10/2017	Analyst: LB
Mercury	0.030	0.022		mg/Kg-dry	1	8/10/2017
pH (25 °C)	SW9045C				Prep Date: 8/11/2017	Analyst: RW
pH	7.61			pH Units	1	8/11/2017
Percent Moisture	D2974				Prep Date: 8/10/2017	Analyst: KKA
Percent Moisture	18.2	0.2	*	wt%	1	8/11/2017

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-07 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:05:00 PM

Lab ID: 17080266-046A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.071		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0095		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.071		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0095		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0095		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0095		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-07 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:05:00 PM

Lab ID: 17080266-046B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/13/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-07 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:05:00 PM

Lab ID: 17080266-046B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.78		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	13000	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	9.0	0.98		mg/Kg-dry	10	8/13/2017
Barium	85	0.98		mg/Kg-dry	10	8/13/2017
Beryllium	0.70	0.49		mg/Kg-dry	10	8/13/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-07 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:05:00 PM

Lab ID: 17080266-046B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/13/2017
Calcium	54000	59		mg/Kg-dry	10	8/13/2017
Chromium	21	0.98		mg/Kg-dry	10	8/13/2017
Cobalt	11	0.98		mg/Kg-dry	10	8/13/2017
Copper	27	2.5		mg/Kg-dry	10	8/13/2017
Iron	24000	29		mg/Kg-dry	10	8/13/2017
Lead	20	0.49		mg/Kg-dry	10	8/13/2017
Magnesium	29000	29		mg/Kg-dry	10	8/13/2017
Manganese	600	0.98		mg/Kg-dry	10	8/13/2017
Nickel	29	0.98		mg/Kg-dry	10	8/13/2017
Potassium	1600	29		mg/Kg-dry	10	8/13/2017
Selenium	ND	0.98		mg/Kg-dry	10	8/13/2017
Silver	ND	0.98		mg/Kg-dry	10	8/13/2017
Sodium	1600	59		mg/Kg-dry	10	8/13/2017
Thallium	ND	0.98		mg/Kg-dry	10	8/13/2017
Vanadium	28	0.98		mg/Kg-dry	10	8/13/2017
Zinc	69	4.9		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	2.8	0.10		mg/L	2	8/16/2017
Lead	0.0031	0.0020		mg/L	2	8/16/2017
Manganese	0.022	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	ND	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/15/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/16/2017
Barium	0.63	0.050		mg/L	5	8/16/2017
Beryllium	ND	0.0050		mg/L	5	8/16/2017
Cadmium	ND	0.0050		mg/L	5	8/16/2017

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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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-07 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:05:00 PM

Lab ID: 17080266-046B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)				Prep Date: 8/15/2017	Analyst: JG
Chromium	ND	0.010		mg/L	5	8/16/2017
Cobalt	ND	0.010		mg/L	5	8/16/2017
Copper	ND	0.10		mg/L	5	8/16/2017
Iron	1.5	0.25		mg/L	5	8/16/2017
Lead	ND	0.0050		mg/L	5	8/16/2017
Manganese	1.5	0.010		mg/L	5	8/16/2017
Nickel	0.017	0.010		mg/L	5	8/16/2017
Selenium	ND	0.010		mg/L	5	8/16/2017
Silver	ND	0.010		mg/L	5	8/16/2017
Zinc	0.059	0.050		mg/L	5	8/16/2017
TCLP Mercury	SW1311/7470A				Prep Date: 8/15/2017	Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/15/2017
SPLP Mercury	SW1312/7470A				Prep Date: 8/11/2017	Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A				Prep Date: 8/10/2017	Analyst: LB
Mercury	0.031	0.021		mg/Kg-dry	1	8/10/2017
pH (25 °C)	SW9045C				Prep Date: 8/11/2017	Analyst: RW
pH	8.84			pH Units	1	8/11/2017
Percent Moisture	D2974				Prep Date: 8/10/2017	Analyst: KKA
Percent Moisture	14.1	0.2	*	wt%	1	8/11/2017

Qualifiers:

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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: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-08 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:10:00 PM

Lab ID: 17080266-047A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: ERP
Acetone	ND	0.077		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0051		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0051		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0051		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.077		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.051		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0051		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0051		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0051		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0051		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0051		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0051		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0051		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0051		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0051		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0051		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0051		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0051		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0051		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0051		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0051		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0051		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0051		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0051		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/15/2017

Qualifiers:

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-08 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:10:00 PM

Lab ID: 17080266-047B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.97		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.97		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.97		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/14/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-08 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:10:00 PM

Lab ID: 17080266-047B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.78		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/9/2017 Analyst: JG
Aluminum	13000	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	8.6	0.99		mg/Kg-dry	10	8/13/2017
Barium	110	0.99		mg/Kg-dry	10	8/13/2017
Beryllium	0.68	0.49		mg/Kg-dry	10	8/13/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-08 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:10:00 PM

Lab ID: 17080266-047B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/13/2017
Calcium	40000	59		mg/Kg-dry	10	8/13/2017
Chromium	22	0.99		mg/Kg-dry	10	8/13/2017
Cobalt	9.9	0.99		mg/Kg-dry	10	8/13/2017
Copper	26	2.5		mg/Kg-dry	10	8/13/2017
Iron	22000	30		mg/Kg-dry	10	8/13/2017
Lead	40	0.49		mg/Kg-dry	10	8/13/2017
Magnesium	23000	30		mg/Kg-dry	10	8/13/2017
Manganese	540	0.99		mg/Kg-dry	10	8/13/2017
Nickel	25	0.99		mg/Kg-dry	10	8/13/2017
Potassium	1200	30		mg/Kg-dry	10	8/13/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/13/2017
Silver	ND	0.99		mg/Kg-dry	10	8/13/2017
Sodium	2200	59		mg/Kg-dry	10	8/13/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/13/2017
Vanadium	29	0.99		mg/Kg-dry	10	8/13/2017
Zinc	71	4.9		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	0.0051	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	0.86	0.10		mg/L	2	8/16/2017
Lead	0.0034	0.0020		mg/L	2	8/16/2017
Manganese	0.030	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	ND	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/15/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/16/2017
Barium	0.58	0.050		mg/L	5	8/16/2017
Beryllium	ND	0.0050		mg/L	5	8/16/2017
Cadmium	ND	0.0050		mg/L	5	8/16/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-08 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 1:10:00 PM

Lab ID: 17080266-047B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)				Prep Date: 8/15/2017	Analyst: JG
Chromium	ND	0.010		mg/L	5	8/16/2017
Cobalt	ND	0.010		mg/L	5	8/16/2017
Copper	ND	0.10		mg/L	5	8/16/2017
Iron	1.1	0.25		mg/L	5	8/16/2017
Lead	ND	0.0050		mg/L	5	8/16/2017
Manganese	0.21	0.010		mg/L	5	8/16/2017
Nickel	ND	0.010		mg/L	5	8/16/2017
Selenium	ND	0.010		mg/L	5	8/16/2017
Silver	ND	0.010		mg/L	5	8/16/2017
Zinc	0.078	0.050		mg/L	5	8/16/2017
TCLP Mercury	SW1311/7470A				Prep Date: 8/15/2017	Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/15/2017
SPLP Mercury	SW1312/7470A				Prep Date: 8/11/2017	Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A				Prep Date: 8/10/2017	Analyst: LB
Mercury	0.037	0.022		mg/Kg-dry	1	8/10/2017
pH (25 °C)	SW9045C				Prep Date: 8/11/2017	Analyst: RW
pH	9.04			pH Units	1	8/11/2017
Percent Moisture	D2974				Prep Date: 8/10/2017	Analyst: KKA
Percent Moisture	14.4	0.2	*	wt%	1	8/11/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-09 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:05:00 PM

Lab ID: 17080266-048A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.070		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0093		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.070		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0093		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0093		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0093		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-09 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:05:00 PM

Lab ID: 17080266-048B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.99		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.99		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.99		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/14/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-09 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:05:00 PM

Lab ID: 17080266-048B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.080		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.80		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	14000	21		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/13/2017
Arsenic	7.9	1.1		mg/Kg-dry	10	8/13/2017
Barium	100	1.1		mg/Kg-dry	10	8/13/2017
Beryllium	0.74	0.53		mg/Kg-dry	10	8/13/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-09 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:05:00 PM

Lab ID: 17080266-048B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.53		mg/Kg-dry	10	8/13/2017
Calcium	39000	63		mg/Kg-dry	10	8/13/2017
Chromium	23	1.1		mg/Kg-dry	10	8/13/2017
Cobalt	11	1.1		mg/Kg-dry	10	8/13/2017
Copper	28	2.6		mg/Kg-dry	10	8/13/2017
Iron	25000	32		mg/Kg-dry	10	8/13/2017
Lead	19	0.53		mg/Kg-dry	10	8/13/2017
Magnesium	22000	32		mg/Kg-dry	10	8/13/2017
Manganese	630	1.1		mg/Kg-dry	10	8/13/2017
Nickel	30	1.1		mg/Kg-dry	10	8/13/2017
Potassium	1700	32		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/13/2017
Silver	ND	1.1		mg/Kg-dry	10	8/13/2017
Sodium	330	63		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/13/2017
Vanadium	32	1.1		mg/Kg-dry	10	8/13/2017
Zinc	66	5.3		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	0.72	0.10		mg/L	2	8/16/2017
Lead	ND	0.0020		mg/L	2	8/16/2017
Manganese	0.031	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	ND	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/15/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/16/2017
Barium	0.96	0.050		mg/L	5	8/16/2017
Beryllium	ND	0.0050		mg/L	5	8/16/2017
Cadmium	ND	0.0050		mg/L	5	8/16/2017

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: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-09 (0-7)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:05:00 PM

Lab ID: 17080266-048B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/15/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/16/2017
Cobalt	0.044	0.010		mg/L	5	8/16/2017
Copper	ND	0.10		mg/L	5	8/16/2017
Iron	ND	0.25		mg/L	5	8/16/2017
Lead	ND	0.0050		mg/L	5	8/16/2017
Manganese	9.5	0.010		mg/L	5	8/16/2017
Nickel	0.034	0.010		mg/L	5	8/16/2017
Selenium	ND	0.010		mg/L	5	8/16/2017
Silver	ND	0.010		mg/L	5	8/16/2017
Zinc	ND	0.050		mg/L	5	8/16/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/15/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A					Prep Date: 8/10/2017 Analyst: LB
Mercury	0.030	0.019		mg/Kg-dry	1	8/10/2017
pH (25 °C)	SW9045C					Prep Date: 8/11/2017 Analyst: RW
pH	7.66			pH Units	1	8/11/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	17.6	0.2	*	wt%	1	8/11/2017

Qualifiers:

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-09 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:08:00 PM

Lab ID: 17080266-049A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: ERP
Acetone	ND	0.075		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.075		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.050		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/15/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-09 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:08:00 PM

Lab ID: 17080266-049B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.99		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.99		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.99		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/14/2017

Qualifiers:

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-09 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:08:00 PM

Lab ID: 17080266-049B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.080		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.80		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	10000	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	7.7	1.0		mg/Kg-dry	10	8/13/2017
Barium	67	1.0		mg/Kg-dry	10	8/13/2017
Beryllium	0.54	0.51		mg/Kg-dry	10	8/13/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-09 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 12:08:00 PM

Lab ID: 17080266-049B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/13/2017
Calcium	45000	61		mg/Kg-dry	10	8/13/2017
Chromium	17	1.0		mg/Kg-dry	10	8/13/2017
Cobalt	11	1.0		mg/Kg-dry	10	8/13/2017
Copper	22	2.5		mg/Kg-dry	10	8/13/2017
Iron	21000	30		mg/Kg-dry	10	8/13/2017
Lead	17	0.51		mg/Kg-dry	10	8/13/2017
Magnesium	26000	30		mg/Kg-dry	10	8/13/2017
Manganese	490	1.0		mg/Kg-dry	10	8/13/2017
Nickel	25	1.0		mg/Kg-dry	10	8/13/2017
Potassium	1300	30		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/13/2017
Silver	ND	1.0		mg/Kg-dry	10	8/13/2017
Sodium	260	61		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/13/2017
Vanadium	25	1.0		mg/Kg-dry	10	8/13/2017
Zinc	55	5.1		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	1.4	0.10		mg/L	2	8/16/2017
Lead	ND	0.0020		mg/L	2	8/16/2017
Manganese	0.020	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	ND	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/15/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/16/2017
Barium	0.71	0.050		mg/L	5	8/16/2017
Beryllium	ND	0.0050		mg/L	5	8/16/2017
Cadmium	ND	0.0050		mg/L	5	8/16/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-34-09 (7-14)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 12:08:00 PM

Lab ID: 17080266-049B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/15/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/16/2017
Cobalt	0.029	0.010		mg/L	5	8/16/2017
Copper	ND	0.10		mg/L	5	8/16/2017
Iron	ND	0.25		mg/L	5	8/16/2017
Lead	ND	0.0050		mg/L	5	8/16/2017
Manganese	10	0.010		mg/L	5	8/16/2017
Nickel	0.028	0.010		mg/L	5	8/16/2017
Selenium	ND	0.010		mg/L	5	8/16/2017
Silver	ND	0.010		mg/L	5	8/16/2017
Zinc	ND	0.050		mg/L	5	8/16/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/15/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A					Prep Date: 8/10/2017 Analyst: LB
Mercury	0.027	0.023		mg/Kg-dry	1	8/10/2017
pH (25 °C)	SW9045C					Prep Date: 8/11/2017 Analyst: RW
pH	7.83			pH Units	1	8/11/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	16.8	0.2	*	wt%	1	8/11/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-09 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:55:00 AM

Lab ID: 17080266-050A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.074		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0049		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0099		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.074		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.049		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0099		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0049		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0099		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0099		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/15/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-09 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:55:00 AM

Lab ID: 17080266-050B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: DM

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	0.039	0.038		mg/Kg-dry	1	8/15/2017
Benidine	ND	0.38		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	0.038	0.038		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.95		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.95		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	0.049	0.038		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.95		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-09 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:55:00 AM

Lab ID: 17080266-050B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/10/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	0.089	0.038		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/15/2017
Phenanthrene	0.048	0.038		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	0.068	0.038		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/9/2017 Analyst: JG

Aluminum	10000	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	8.2	0.98		mg/Kg-dry	10	8/13/2017
Barium	76	0.98		mg/Kg-dry	10	8/13/2017
Beryllium	0.52	0.49		mg/Kg-dry	10	8/13/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-09 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:55:00 AM

Lab ID: 17080266-050B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/13/2017
Calcium	39000	59		mg/Kg-dry	10	8/13/2017
Chromium	18	0.98		mg/Kg-dry	10	8/13/2017
Cobalt	9.5	0.98		mg/Kg-dry	10	8/13/2017
Copper	22	2.4		mg/Kg-dry	10	8/13/2017
Iron	21000	29		mg/Kg-dry	10	8/13/2017
Lead	24	0.49		mg/Kg-dry	10	8/13/2017
Magnesium	24000	29		mg/Kg-dry	10	8/13/2017
Manganese	430	0.98		mg/Kg-dry	10	8/13/2017
Nickel	22	0.98		mg/Kg-dry	10	8/13/2017
Potassium	1400	29		mg/Kg-dry	10	8/13/2017
Selenium	ND	0.98		mg/Kg-dry	10	8/13/2017
Silver	ND	0.98		mg/Kg-dry	10	8/13/2017
Sodium	1500	59		mg/Kg-dry	10	8/13/2017
Thallium	ND	0.98		mg/Kg-dry	10	8/13/2017
Vanadium	26	0.98		mg/Kg-dry	10	8/13/2017
Zinc	65	4.9		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	1.1	0.10		mg/L	2	8/16/2017
Lead	0.0051	0.0020		mg/L	2	8/16/2017
Manganese	0.048	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	ND	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/15/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/16/2017
Barium	0.51	0.050		mg/L	5	8/16/2017
Beryllium	ND	0.0050		mg/L	5	8/16/2017
Cadmium	ND	0.0050		mg/L	5	8/16/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-09 (0-1)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:55:00 AM

Lab ID: 17080266-050B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/15/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/16/2017
Cobalt	ND	0.010		mg/L	5	8/16/2017
Copper	ND	0.10		mg/L	5	8/16/2017
Iron	ND	0.25		mg/L	5	8/16/2017
Lead	ND	0.0050		mg/L	5	8/16/2017
Manganese	0.14	0.010		mg/L	5	8/16/2017
Nickel	ND	0.010		mg/L	5	8/16/2017
Selenium	ND	0.010		mg/L	5	8/16/2017
Silver	ND	0.010		mg/L	5	8/16/2017
Zinc	ND	0.050		mg/L	5	8/16/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/15/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A					Prep Date: 8/10/2017 Analyst: LB
Mercury	0.036	0.023		mg/Kg-dry	1	8/10/2017
pH (25 °C)	SW9045C					Prep Date: 8/11/2017 Analyst: RW
pH	8.73			pH Units	1	8/11/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	13.8	0.2	*	wt%	1	8/11/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-07

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:30:00 AM

Lab ID: 17080266-051A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.070		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0094		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.070		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0094		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0094		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0094		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-07

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:30:00 AM

Lab ID: 17080266-051B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.95		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.95		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.95		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

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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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-07

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:30:00 AM

Lab ID: 17080266-051B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	11000	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	7.6	0.99		mg/Kg-dry	10	8/13/2017
Barium	67	0.99		mg/Kg-dry	10	8/13/2017
Beryllium	0.63	0.50		mg/Kg-dry	10	8/13/2017

Qualifiers:

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* - Non-accredited parameter

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-07

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:30:00 AM

Lab ID: 17080266-051B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/13/2017
Calcium	29000	60		mg/Kg-dry	10	8/13/2017
Chromium	21	0.99		mg/Kg-dry	10	8/13/2017
Cobalt	12	0.99		mg/Kg-dry	10	8/13/2017
Copper	23	2.5		mg/Kg-dry	10	8/13/2017
Iron	24000	30		mg/Kg-dry	10	8/13/2017
Lead	110	0.50		mg/Kg-dry	10	8/13/2017
Magnesium	18000	30		mg/Kg-dry	10	8/13/2017
Manganese	510	0.99		mg/Kg-dry	10	8/13/2017
Nickel	24	0.99		mg/Kg-dry	10	8/13/2017
Potassium	1400	30		mg/Kg-dry	10	8/13/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/13/2017
Silver	ND	0.99		mg/Kg-dry	10	8/13/2017
Sodium	1300	60		mg/Kg-dry	10	8/13/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/13/2017
Vanadium	25	0.99		mg/Kg-dry	10	8/13/2017
Zinc	66	5.0		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	0.84	0.10		mg/L	2	8/16/2017
Lead	0.0050	0.0020		mg/L	2	8/16/2017
Manganese	0.025	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	ND	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/15/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/16/2017
Barium	0.18	0.050		mg/L	5	8/16/2017
Beryllium	ND	0.0050		mg/L	5	8/16/2017
Cadmium	ND	0.0050		mg/L	5	8/16/2017

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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-07

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 9:30:00 AM

Lab ID: 17080266-051B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/15/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/16/2017
Cobalt	0.045	0.010		mg/L	5	8/16/2017
Copper	ND	0.10		mg/L	5	8/16/2017
Iron	1.6	0.25		mg/L	5	8/16/2017
Lead	ND	0.0050		mg/L	5	8/16/2017
Manganese	2.3	0.010		mg/L	5	8/16/2017
Nickel	ND	0.010		mg/L	5	8/16/2017
Selenium	ND	0.010		mg/L	5	8/16/2017
Silver	ND	0.010		mg/L	5	8/16/2017
Zinc	ND	0.050		mg/L	5	8/16/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/15/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A					Prep Date: 8/10/2017 Analyst: LB
Mercury	ND	0.021		mg/Kg-dry	1	8/10/2017
pH (25 °C)	SW9045C					Prep Date: 8/11/2017 Analyst: RW
pH	8.53			pH Units	1	8/11/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	13.1	0.2	*	wt%	1	8/11/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-06

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:00:00 PM

Lab ID: 17080266-052A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.072		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0096		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.072		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.048		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0096		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0096		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0096		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-06

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:00:00 PM

Lab ID: 17080266-052B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.95		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.95		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.95		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017

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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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-06

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:00:00 PM

Lab ID: 17080266-052B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	10000	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	9.4	1.0		mg/Kg-dry	10	8/13/2017
Barium	81	1.0		mg/Kg-dry	10	8/13/2017
Beryllium	0.57	0.50		mg/Kg-dry	10	8/13/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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HT - Sample received past holding time

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-06

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:00:00 PM

Lab ID: 17080266-052B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/13/2017
Calcium	39000	60		mg/Kg-dry	10	8/13/2017
Chromium	18	1.0		mg/Kg-dry	10	8/13/2017
Cobalt	9.0	1.0		mg/Kg-dry	10	8/13/2017
Copper	21	2.5		mg/Kg-dry	10	8/13/2017
Iron	22000	30		mg/Kg-dry	10	8/13/2017
Lead	12	0.50		mg/Kg-dry	10	8/13/2017
Magnesium	25000	30		mg/Kg-dry	10	8/13/2017
Manganese	420	1.0		mg/Kg-dry	10	8/13/2017
Nickel	19	1.0		mg/Kg-dry	10	8/13/2017
Potassium	1600	30		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/13/2017
Silver	ND	1.0		mg/Kg-dry	10	8/13/2017
Sodium	600	60		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/13/2017
Vanadium	30	1.0		mg/Kg-dry	10	8/13/2017
Zinc	61	5.0		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	0.0047	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.0079	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	8.7	0.10		mg/L	2	8/16/2017
Lead	0.0031	0.0020		mg/L	2	8/16/2017
Manganese	0.053	0.0040		mg/L	2	8/16/2017
Nickel	0.0063	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.030	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/16/2017
Barium	0.62	0.050		mg/L	5	8/16/2017
Beryllium	ND	0.0050		mg/L	5	8/16/2017
Cadmium	ND	0.0050		mg/L	5	8/16/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-06

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:00:00 PM

Lab ID: 17080266-052B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/16/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/16/2017
Cobalt	ND	0.010		mg/L	5	8/16/2017
Copper	ND	0.10		mg/L	5	8/16/2017
Iron	2.2	0.25		mg/L	5	8/16/2017
Lead	ND	0.0050		mg/L	5	8/16/2017
Manganese	3.8	0.010		mg/L	5	8/16/2017
Nickel	0.054	0.010		mg/L	5	8/16/2017
Selenium	ND	0.010		mg/L	5	8/16/2017
Silver	ND	0.010		mg/L	5	8/16/2017
Zinc	ND	0.050		mg/L	5	8/16/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/15/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.022	0.022		mg/Kg-dry	1	8/10/2017
pH (25 °C)	SW9045C		Prep Date: 8/11/2017		Analyst: RW	
pH	8.00			pH Units	1	8/11/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	13.7	0.2	*	wt%	1	8/11/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-08

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:20:00 AM

Lab ID: 17080266-053A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.072		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0096		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.072		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.048		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0096		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0096		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0096		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-08

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/8/2017 11:20:00 AM

Lab ID: 17080266-053B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.98		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/13/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-08

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:20:00 AM

Lab ID: 17080266-053B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.79		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	12000	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	8.0	1.0		mg/Kg-dry	10	8/13/2017
Barium	85	1.0		mg/Kg-dry	10	8/13/2017
Beryllium	0.61	0.51		mg/Kg-dry	10	8/13/2017

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

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-08

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:20:00 AM

Lab ID: 17080266-053B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/13/2017
Calcium	42000	61		mg/Kg-dry	10	8/13/2017
Chromium	20	1.0		mg/Kg-dry	10	8/13/2017
Cobalt	11	1.0		mg/Kg-dry	10	8/13/2017
Copper	23	2.5		mg/Kg-dry	10	8/13/2017
Iron	22000	31		mg/Kg-dry	10	8/13/2017
Lead	17	0.51		mg/Kg-dry	10	8/13/2017
Magnesium	23000	31		mg/Kg-dry	10	8/13/2017
Manganese	600	1.0		mg/Kg-dry	10	8/13/2017
Nickel	28	1.0		mg/Kg-dry	10	8/13/2017
Potassium	1500	31		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/13/2017
Silver	ND	1.0		mg/Kg-dry	10	8/13/2017
Sodium	460	61		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/13/2017
Vanadium	25	1.0		mg/Kg-dry	10	8/13/2017
Zinc	57	5.1		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	0.036	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	2.8	0.10		mg/L	2	8/16/2017
Lead	0.0069	0.0020		mg/L	2	8/16/2017
Manganese	0.054	0.0040		mg/L	2	8/16/2017
Nickel	0.0052	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	ND	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/15/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/16/2017
Barium	0.94	0.050		mg/L	5	8/16/2017
Beryllium	ND	0.0050		mg/L	5	8/16/2017
Cadmium	ND	0.0050		mg/L	5	8/16/2017

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

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: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-08

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 11:20:00 AM

Lab ID: 17080266-053B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/15/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/16/2017
Cobalt	0.032	0.010		mg/L	5	8/16/2017
Copper	ND	0.10		mg/L	5	8/16/2017
Iron	ND	0.25		mg/L	5	8/16/2017
Lead	0.0065	0.0050		mg/L	5	8/16/2017
Manganese	9.4	0.010		mg/L	5	8/16/2017
Nickel	0.030	0.010		mg/L	5	8/16/2017
Selenium	ND	0.010		mg/L	5	8/16/2017
Silver	ND	0.010		mg/L	5	8/16/2017
Zinc	ND	0.050		mg/L	5	8/16/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/15/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A					Prep Date: 8/10/2017 Analyst: LB
Mercury	0.029	0.022		mg/Kg-dry	1	8/10/2017
pH (25 °C)	SW9045C					Prep Date: 8/11/2017 Analyst: RW
pH	7.83			pH Units	1	8/11/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	15.6	0.2	*	wt%	1	8/11/2017

Qualifiers:

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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: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-09

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:30:00 PM

Lab ID: 17080266-054A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.078		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0052		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0052		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.078		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.052		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0052		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-09

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:30:00 PM

Lab ID: 17080266-054B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.041		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.041		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.41		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.041		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.41		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	0.047	0.041		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.041		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	0.090	0.041		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/14/2017

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

Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-09

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:30:00 PM

Lab ID: 17080266-054B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.041		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.041		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.041		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.041		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.041		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.041		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.82		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/9/2017	Analyst: JG
Aluminum	9900	22		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/13/2017
Arsenic	9.3	1.1		mg/Kg-dry	10	8/13/2017
Barium	96	1.1		mg/Kg-dry	10	8/13/2017
Beryllium	0.54	0.54		mg/Kg-dry	10	8/13/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-09

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:30:00 PM

Lab ID: 17080266-054B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/9/2017

Analyst: JG

Cadmium	ND	0.54		mg/Kg-dry	10	8/13/2017
Calcium	58000	65		mg/Kg-dry	10	8/13/2017
Chromium	19	1.1		mg/Kg-dry	10	8/13/2017
Cobalt	11	1.1		mg/Kg-dry	10	8/13/2017
Copper	28	2.7		mg/Kg-dry	10	8/13/2017
Iron	28000	32		mg/Kg-dry	10	8/13/2017
Lead	35	0.54		mg/Kg-dry	10	8/13/2017
Magnesium	33000	32		mg/Kg-dry	10	8/13/2017
Manganese	550	1.1		mg/Kg-dry	10	8/13/2017
Nickel	28	1.1		mg/Kg-dry	10	8/13/2017
Potassium	1400	32		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/13/2017
Silver	ND	1.1		mg/Kg-dry	10	8/13/2017
Sodium	1200	65		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/13/2017
Vanadium	24	1.1		mg/Kg-dry	10	8/13/2017
Zinc	66	5.4		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	0.0069	0.0040		mg/L	2	8/16/2017
Barium	0.032	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.011	0.0040		mg/L	2	8/16/2017
Cobalt	0.0045	0.0040		mg/L	2	8/16/2017
Copper	0.072	0.040		mg/L	2	8/16/2017
Iron	12	0.10		mg/L	2	8/16/2017
Lead	0.012	0.0020		mg/L	2	8/16/2017
Manganese	0.084	0.0040		mg/L	2	8/16/2017
Nickel	0.079	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.043	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/15/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/16/2017
Barium	0.60	0.050		mg/L	5	8/16/2017
Beryllium	ND	0.0050		mg/L	5	8/16/2017
Cadmium	ND	0.0050		mg/L	5	8/16/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

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S - Spike Recovery outside accepted recovery limits

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H - Holding time exceeded

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Report Date: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-09

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017 2:30:00 PM

Lab ID: 17080266-054B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/15/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/16/2017
Cobalt	ND	0.010		mg/L	5	8/16/2017
Copper	ND	0.10		mg/L	5	8/16/2017
Iron	ND	0.25		mg/L	5	8/16/2017
Lead	ND	0.0050		mg/L	5	8/16/2017
Manganese	3.1	0.010		mg/L	5	8/16/2017
Nickel	0.018	0.010		mg/L	5	8/16/2017
Selenium	ND	0.010		mg/L	5	8/16/2017
Silver	ND	0.010		mg/L	5	8/16/2017
Zinc	ND	0.050		mg/L	5	8/16/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/15/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A		Prep Date: 8/10/2017		Analyst: LB	
Mercury	0.026	0.022		mg/Kg-dry	1	8/10/2017
pH (25 °C)	SW9045C		Prep Date: 8/11/2017		Analyst: RW	
pH	8.75			pH Units	1	8/11/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	19.4	0.2	*	wt%	1	8/11/2017

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

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: August 17, 2017

Print Date: August 17, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: Trip Blank (2)

Work Order: 17080266 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/8/2017

Lab ID: 17080266-055A

Matrix: Trip Blank

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW8260B (SW5030B)		Prep Date:		Analyst: ERP
Acetone	ND	0.020		mg/L	1	8/12/2017
Benzene	ND	0.0050		mg/L	1	8/12/2017
Bromodichloromethane	ND	0.0050		mg/L	1	8/12/2017
Bromoform	ND	0.0050		mg/L	1	8/12/2017
Bromomethane	ND	0.010		mg/L	1	8/12/2017
2-Butanone	ND	0.020		mg/L	1	8/12/2017
Carbon disulfide	ND	0.010		mg/L	1	8/12/2017
Carbon tetrachloride	ND	0.0050		mg/L	1	8/12/2017
Chlorobenzene	ND	0.0050		mg/L	1	8/12/2017
Chloroethane	ND	0.010		mg/L	1	8/12/2017
Chloroform	ND	0.0050		mg/L	1	8/12/2017
Chloromethane	ND	0.010		mg/L	1	8/12/2017
Dibromochloromethane	ND	0.0050		mg/L	1	8/12/2017
1,1-Dichloroethane	ND	0.0050		mg/L	1	8/12/2017
1,2-Dichloroethane	ND	0.0050		mg/L	1	8/12/2017
1,1-Dichloroethene	ND	0.0050		mg/L	1	8/12/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/L	1	8/12/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/L	1	8/12/2017
1,2-Dichloropropane	ND	0.0050		mg/L	1	8/12/2017
cis-1,3-Dichloropropene	ND	0.0010		mg/L	1	8/12/2017
trans-1,3-Dichloropropene	ND	0.0010		mg/L	1	8/12/2017
Ethylbenzene	ND	0.0050		mg/L	1	8/12/2017
2-Hexanone	ND	0.020		mg/L	1	8/12/2017
4-Methyl-2-pentanone	ND	0.020		mg/L	1	8/12/2017
Methylene chloride	ND	0.0050		mg/L	1	8/12/2017
Methyl tert-butyl ether	ND	0.0050		mg/L	1	8/12/2017
Styrene	ND	0.0050		mg/L	1	8/12/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/L	1	8/12/2017
Tetrachloroethene	ND	0.0050		mg/L	1	8/12/2017
Toluene	ND	0.0050		mg/L	1	8/12/2017
1,1,1-Trichloroethane	ND	0.0050		mg/L	1	8/12/2017
1,1,2-Trichloroethane	ND	0.0050		mg/L	1	8/12/2017
Trichloroethene	ND	0.0050		mg/L	1	8/12/2017
Vinyl chloride	ND	0.0020		mg/L	1	8/12/2017
Xylenes, Total	ND	0.015		mg/L	1	8/12/2017

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

CHAIN OF CUSTODY

Company:	Huck and Auth		
Project Number:	810220509.04	Client Tracking No.:	
Project Name:	2531V- DLSG et US 20		
Project Location:	Bar-Holt FL		
Sampler(s):	Aurelio Hernandez Adam brother		
Report To:	Jill Connolly	Phone:	630 654-4420
		Fax:	

QC Level: 1 2 3 4

e-mail: jill.cundy@ga.com

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers
2531V-13-01 (0-5)	8/8/12	107	S		X		1
2531V-13-01 (5-9)		110					
2531V-13-02 (0-5)		1102					
2531V-13-02 (5-9)		105					
2531V-13-03 (0-5)		105					
2531V-13-03 (5-9)		1057					
2531V-13-04 (0-5)		1048					
2531V-13-04 (5-9)		1050					
2531V-16-01 (0-5)		1039					
2531V-16-02 (5-9)		1042					
2531V-16-02 (0-5)		1030					
2531V-16-02 (5-9)		1033					
2531V-17-01 (0-5)		1021					
2531V-17-01 (5-9)		1029					
2531V-18-01 (0-5)		1010					
2531V-18-01 (5-9)		1012					
2531V-18-02 (0-5)		1002					
2531V-18-02 (5-9)		1005					
2531V-18-03 (0-5)		0953					
2531V-18-03 (5-9)		0950					

Relinquished by: (Signature)	Date/Time:
Received by: (Signature)	Date/Time:
Relinquished by: (Signature)	Date/Time:
Received by: (Signature)	Date/Time:
Relinquished by: (Signature)	Date/Time:
Received by: (Signature)	Date/Time:

[illegible]

Laboratory Work Order No.: 17080266

Received on Ice: Yes ☒ No ☐

Temperature: 4.2 °C

CHAIN OF CUSTODY RECORD

N^o: 906975

Page: 2 of 3

Company:	HATH & HATH
Project Number:	810220509.04
Project Name:	2531V- IL 59 at USW
Project Location:	Bartlett, IL
Sampler(s):	Armando Hernandez, Adam K. HATH
Report To:	Jill Connolly
Phone:	630-884-4440
Fax:	

QC Level:	1	2	3	4	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers
Client Sample Number/Description:	2531V- 18-04 (0-1)	2531V- 18-04 (5-9)	2531V- 18-05 (0-5)	2531V- 18-05 (5-9)	2531V- 18-06 (0-5)	2531V- 18-06 (5-9)	2531V- 23-01 (0-1)	2531V- 23-02 (0-1)	2531V- 23-03 (0-1)	2531V- 23-04 (0-1)	2531V- 23-01 (0-1)
	8/8/17	0915	0938	0941	0920	0933	1408	1405	1402	1400	1329
											1341
											1345
											1343
											1345
											1347
											1300
											1323
											1327

Relinquished by: (Signature)	Date/Time:	Comments:
Received by: (Signature)	Date/Time:	8/17 16:25 All corrections done by
Relinquished by: (Signature)	Date/Time:	APPT AMT on 8/18
Received by: (Signature)	Date/Time:	
Relinquished by: (Signature)	Date/Time:	
Received by: (Signature)	Date/Time:	

Laboratory Work Order No.:	17086266
Received on Ice: Yes ☒ No ☐	Temperature: 4.2 °C

CHAIN OF CUSTODY RECORD

Company: <u>Helt and Helt</u>		Project Number: <u>810220509.04</u>		Client Tracking No.: _____			
Project Name: <u>253U-IL59 at US20</u>		Project Location: <u>Berth #1, IL</u>		Sampler(s): <u>Armando Hernandez, Adam Kithin</u>			
Report To: <u>Jill Connolly</u>		Phone: <u>630 684 4410</u>		Fax: _____			
QC Level: 1 2 3 4		e-mail: <u>jill.connolly@stat.com</u>					
Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers
253U-34-01 (0-7)	8/8/17	1215	S		X		4
253U-34-01 (7-14)		1218					
253U-34-05 (0-7)		1227					
253U-34-05 (7-14)		1230					
253U-34-06 (0-7)		1240					
253U-34-06 (7-14)		1245					
253U-34-07 (0-1)		1305					
253U-34-08 (0-1)		1310					
253U-34-07 (0-7)		1405					
253U-34-07 (7-14)		1408					
253U-43-09 (0-1)		1455					
253U-DIP-07		0930					
253U-DIP-06		1400					
253U-DIP-08		1100					
253U-DIP-09		1430					
Temp blank (2)							
trip blank (2)							

Relinquished by: (Signature) <u>[Signature]</u>	Date/Time: <u>8/8/16:25</u>
Received by: (Signature) <u>[Signature]</u>	Date/Time: <u>8/8/16:25</u>
Relinquished by: (Signature) _____	Date/Time: _____
Received by: (Signature) _____	Date/Time: _____
Relinquished by: (Signature) _____	Date/Time: _____
Received by: (Signature) _____	Date/Time: _____

Comments: <u>All corrections by AMT on 8/8</u>	
Laboratory Work Order No.: <u>17080266</u>	
Received on Ice: Yes ☒ No ☐	Temperature: <u>4.2</u> °C

Sample Receipt Checklist

Client Name HUFF & HUFF

Date and Time Received: 8/8/2017 4:25:00 PM

Work Order Number 17080266

Received by: JNW

Checklist completed by:

[Signature] 8/8/17
Signature Date

Reviewed by:

mk 8/8/17
Initials Date

Matrix:

Carrier name Client Delivered

Shipping container/cooler in good condition? Yes ☒ No ☐ Not Present ☐

Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒

Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒

Chain of custody present? Yes ☒ No ☐

Chain of custody signed when relinquished and received? Yes ☒ No ☐

Chain of custody agrees with sample labels/containers? Yes ☒ No ☐

Samples in proper container/bottle? Yes ☒ No ☐

Sample containers intact? Yes ☒ No ☐

Sufficient sample volume for indicated test? Yes ☒ No ☐

All samples received within holding time? Yes ☒ No ☐

Container or Temp Blank temperature in compliance? Yes ☒ No ☐ Temperature 4.2 °C

Water - VOA vials have zero headspace? No VOA vials submitted ☐ Yes ☒ No ☐

Water - Samples pH checked? Yes ☐ No ☐ Checked by: _____

Water - Samples properly preserved? Yes ☐ No ☐ pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments:

Client / Person contacted:

Date contacted:

Contacted by:

Response:

STAT Analysis Corporation

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW5035/8260B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VBLK081417A-2	115	98.7	105	105				
VLCS081417A-2	121	98.2	104	102				
VLCSD081417A-2	113	98.9	102	98.4				
17080266-029A	116	97.2	100	104				
17080266-030A	111	97.3	94.1	98.8				
17080266-031A	117	97.0	102	114				
17080266-032A	117	97.8	96.0	105				
17080266-033A	113	96.3	98.1	111				
17080266-034A	120	97.6	95.8	108				
17080266-035A	118	96.6	97.9	110				
17080266-036A	120	96.3	101	109				
17080266-037A	114	96.6	99.1	102				
17080266-038A	116	95.5	98.2	109				
17080266-039A	117	96.8	99.1	107				
17080266-040A	121	96.4	98.9	103				
17080266-041A	114	96.8	97.6	110				
VBLK081517-2	119	96.9	101	100				
VLCS081517-2	120	98.3	104	102				
VLCSD081517-2	122	99.5	103	95.0				
17080266-026A	113	96.6	101	104				
17080266-027A	120	101	99.3	111				
17080266-028A	122	96.8	97.3	112				
17080266-042A	122	98.0	100	107				
17080266-043A	118	96.9	99.9	107				
17080266-054A	120	98.5	101	109				
17080266-025A	117	96.7	99.2	107				
VBLK081417A-3	98.7	94.9	111	99.3				

Acronym

Surrogate

QC Limits

BR4FBZ	=	4-Bromofluorobenzene	58-122
BZMED8	=	Toluene-d8	73-122
DBFM	=	Dibromofluoromethane	65-131
DCA12D4	=	1,2-Dichloroethane-d4	71-143

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW5035/8260B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VLCS081417A-3	103	98.9	102	101				
VLCS081417A-3	101	98.6	104	103				
17080266-001A	101	93.9	123	121				
17080266-002A	99.3	99.4	117	121				
17080266-003A	100	99.0	115	123				
17080266-004A	99.3	98.0	114	110				
17080266-005A	106	98.3	117	126				
17080266-006A	101	92.3	118	127				
17080266-007A	97.1	95.4	124	121				
17080266-008A	97.6	98.8	120	128				
17080266-010A	102	98.2	117	128				
17080266-011A	99.0	99.7	120	128				
VBLK081417B-3	97.7	93.9	116	104				
VLCS081417B-3	101	100	107	107				
VLCS081417B-3	99.2	98.8	105	105				
17080266-009A	99.9	98.1	124	114				
17080266-044A	98.5	97.5	120	126				
17080266-045A	105	95.1	125	123				
17080266-046A	98.4	94.2	130	123				
17080266-047A	95.8	97.4	129	129				
17080266-048A	104	97.8	131	133				
17080266-049A	104	99.0	119	126				
17080266-050A	103	96.1	125	109				
17080266-051A	102	98.6	131 *	128				
17080266-052A	98.5	98.7	122	120				
17080266-053A	98.9	99.5	125	127				
VBLK081417A-7	94.3	102	107	104				
VLCS081417A-7	102	100	105	107				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	58-122
BZMED8	= Toluene-d8	73-122
DBFM	= Dibromofluoromethane	65-131
DCA12D4	= 1,2-Dichloroethane-d4	71-143

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW5035/8260B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VLCSD081417A-7	102	101	99.5	97.5				
17080266-012A	102	103	116	116				
17080266-013A	106	99.5	113	123				
17080266-014A	101	101	115	121				
17080266-015A	97.7	105	105	126				
17080266-016A	102	103	116	128				
17080266-017A	100	104	112	116				
17080266-018A	104	104	115	131				
17080266-019A	107	101	113	122				
17080266-020A	105	106	126	120				
17080266-021A	102	104	115	112				
17080266-022A	99.6	104	110	122				
17080266-023A	98.8	104	101	108				
17080266-024A	107	106	111	126				

Acronym

Surrogate

QC Limits

BR4FBZ	=	4-Bromofluorobenzene	58-122
BZMED8	=	Toluene-d8	73-122
DBFM	=	Dibromofluoromethane	65-131
DCA12D4	=	1,2-Dichloroethane-d4	71-143

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134905

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3740300	BFB081417A-3	TUNE	BFB	R134905	1	08/14/2017 10:44
3740301	VSTD020	CCV	VOC_ENCORE+	R134905	1	08/14/2017 11:25
3740302	VLK081417A-3	MBLK	VOC_ENCORE+	R134905	1	08/14/2017 12:44
3740304	VLCS081417A-3	LCS	VOC_ENCORE+	R134905	1	08/14/2017 13:21
3740370	VLCS081417A-3	LCSD	VOC_ENCORE+	R134905	1	08/14/2017 13:58
3740694	17080266-001A	SAMP	VOC_5035	102378	1	08/14/2017 14:57
3740714	17080266-002A	SAMP	VOC_5035	102378	1	08/14/2017 15:34
3740715	17080266-003A	SAMP	VOC_5035	102378	1	08/14/2017 16:11
3740908	17080266-004A	SAMP	VOC_5035	102378	1	08/14/2017 16:48
3740910	17080266-005A	SAMP	VOC_5035	102378	1	08/14/2017 17:25
3741030	17080266-006A	SAMP	VOC_5035	102378	1	08/14/2017 18:02
3741051	17080266-007A	SAMP	VOC_5035	102378	1	08/14/2017 18:40
3741061	17080266-008A	SAMP	VOC_5035	102378	1	08/14/2017 19:17
3741195	17080266-009A	SAMP	VOC_5035	102378	1	08/14/2017 19:54
3741249	17080266-010A	SAMP	VOC_5035	102378	1	08/14/2017 20:31
3741250	17080266-011A	SAMP	VOC_5035	102378	1	08/14/2017 21:08

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
VBLK081417A-3	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/14/2017	VOA-3_170814A				3740302	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.075									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone		ND	0.075									
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide		ND	0.050									
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0020									
Dibromochloromethane		ND	0.0050									
Ethylbenzene		ND	0.0050									
Methyl tert-butyl ether		ND	0.0050									
Methylene chloride		ND	0.010									
Styrene		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134905

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VBLK081417A-3	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/14/2017	VOA-3_170814A			3740302		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Tetrachloroethene	0.00223	0.0050									J
Toluene	ND	0.0050									
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0020									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:		
VLCS081417A-3	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/14/2017			VOA-3_170814A		3740304		
Analyte		Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05244	0.0050	0.05	0	105	70	130	0	0		
1,1,1,2,2-Tetrachloroethane	0.05166	0.0050	0.05	0	103	70	130	0	0		
1,1,2-Trichloroethane	0.05023	0.0050	0.05	0	100	70	130	0	0		
1,1-Dichloroethane	0.04937	0.0050	0.05	0	98.7	70	130	0	0		
1,1-Dichloroethene	0.04674	0.0050	0.05	0	93.5	70	130	0	0		
1,2-Dichloroethane	0.05155	0.0050	0.05	0	103	70	130	0	0		
1,2-Dichloropropane	0.04902	0.0050	0.05	0	98	70	130	0	0		
2-Butanone	0.09821	0.075	0.1	0	98.2	50	150	0	0		
2-Hexanone	0.1006	0.020	0.1	0	101	50	150	0	0		
4-Methyl-2-pentanone	0.0976	0.020	0.1	0	97.6	50	150	0	0		
Acetone	0.1122	0.075	0.1	0	112	50	150	0	0		
Benzene	0.04837	0.0050	0.05	0	96.7	70	130	0	0		
Bromodichloromethane	0.04933	0.0050	0.05	0	98.7	70	130	0	0		
Bromoform	0.05373	0.0050	0.05	0	107	70	130	0	0		
Bromomethane	0.04801	0.010	0.05	0	96	50	150	0	0		
Carbon disulfide	0.09858	0.050	0.1	0	98.6	70	130	0	0		
Carbon tetrachloride	0.05316	0.0050	0.05	0	106	70	130	0	0		
Chlorobenzene	0.05067	0.0050	0.05	0	101	70	130	0	0		
Chloroethane	0.04656	0.010	0.05	0	93.1	70	130	0	0		
Chloroform	0.04784	0.0050	0.05	0	95.7	70	130	0	0		
Chloromethane	0.04802	0.010	0.05	0	96	70	130	0	0		
cis-1,2-Dichloroethene	0.04768	0.0050	0.05	0	95.4	70	130	0	0		
cis-1,3-Dichloropropene	0.04629	0.0020	0.05	0	92.6	70	130	0	0		
Dibromochloromethane	0.05521	0.0050	0.05	0	110	70	130	0	0		
Ethylbenzene	0.05118	0.0050	0.05	0	102	70	130	0	0		
Methyl tert-butyl ether	0.05159	0.0050	0.05	0	103	70	130	0	0		
Methylene chloride	0.05122	0.010	0.05	0	102	70	130	0	0		
Styrene	0.0529	0.0050	0.05	0	106	70	130	0	0		
Tetrachloroethene	0.05648	0.0050	0.05	0.00223	109	70	130	0	0		
Toluene	0.04563	0.0050	0.05	0	91.3	70	130	0	0		
trans-1,2-Dichloroethene	0.05055	0.0050	0.05	0	101	70	130	0	0		
trans-1,3-Dichloropropene	0.04974	0.0020	0.05	0	99.5	70	130	0	0		
Trichloroethene	0.04922	0.0050	0.05	0	98.4	70	130	0	0		
Vinyl chloride	0.04761	0.0050	0.05	0	95.2	70	130	0	0		
Xylenes, Total	0.1533	0.015	0.15	0	102	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134905

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:	
VLCS081417A-3	ZZZZZ	LCSD	mg/Kg	SW5035/8260B		8/14/2017	VOA-3_170814A			3740370	
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.05208	0.0050	0.05	0	104	70	130	0.05244	0.689	20	
1,1,2,2-Tetrachloroethane	0.05412	0.0050	0.05	0	108	70	130	0.05166	4.65	20	
1,1,2-Trichloroethane	0.05227	0.0050	0.05	0	105	70	130	0.05023	3.98	20	
1,1-Dichloroethane	0.05066	0.0050	0.05	0	101	70	130	0.04937	2.58	20	
1,1-Dichloroethene	0.04515	0.0050	0.05	0	90.3	70	130	0.04674	3.46	20	
1,2-Dichloroethane	0.0533	0.0050	0.05	0	107	70	130	0.05155	3.34	20	
1,2-Dichloropropane	0.05124	0.0050	0.05	0	102	70	130	0.04902	4.43	20	
2-Butanone	0.09931	0.075	0.1	0	99.3	50	150	0.09821	1.11	20	
2-Hexanone	0.1047	0.020	0.1	0	105	50	150	0.1006	4.00	20	
4-Methyl-2-pentanone	0.1028	0.020	0.1	0	103	50	150	0.0976	5.20	20	
Acetone	0.1176	0.075	0.1	0	118	50	150	0.1122	4.67	20	
Benzene	0.04909	0.0050	0.05	0	98.2	70	130	0.04837	1.48	20	
Bromodichloromethane	0.05083	0.0050	0.05	0	102	70	130	0.04933	3.00	20	
Bromoform	0.05577	0.0050	0.05	0	112	70	130	0.05373	3.73	20	
Bromomethane	0.04768	0.010	0.05	0	95.4	50	150	0.04801	0.690	20	
Carbon disulfide	0.09753	0.050	0.1	0	97.5	70	130	0.09858	1.07	20	
Carbon tetrachloride	0.05245	0.0050	0.05	0	105	70	130	0.05316	1.34	20	
Chlorobenzene	0.0517	0.0050	0.05	0	103	70	130	0.05067	2.01	20	
Chloroethane	0.04651	0.010	0.05	0	93	70	130	0.04656	0.107	20	
Chloroform	0.04917	0.0050	0.05	0	98.3	70	130	0.04784	2.74	20	
Chloromethane	0.04683	0.010	0.05	0	93.7	70	130	0.04802	2.51	20	
cis-1,2-Dichloroethene	0.04823	0.0050	0.05	0	96.5	70	130	0.04768	1.15	20	
cis-1,3-Dichloropropene	0.04649	0.0020	0.05	0	93	70	130	0.04629	0.431	20	
Dibromochloromethane	0.05733	0.0050	0.05	0	115	70	130	0.05521	3.77	20	
Ethylbenzene	0.05133	0.0050	0.05	0	103	70	130	0.05118	0.293	20	
Methyl tert-butyl ether	0.05395	0.0050	0.05	0	108	70	130	0.05159	4.47	20	
Methylene chloride	0.05257	0.010	0.05	0	105	70	130	0.05122	2.60	20	
Styrene	0.05416	0.0050	0.05	0	108	70	130	0.0529	2.35	20	
Tetrachloroethene	0.05486	0.0050	0.05	0.00223	105	70	130	0.05648	2.91	20	
Toluene	0.046	0.0050	0.05	0	92	70	130	0.04563	0.808	20	
trans-1,2-Dichloroethene	0.04984	0.0050	0.05	0	99.7	70	130	0.05055	1.41	20	
trans-1,3-Dichloropropene	0.05042	0.0020	0.05	0	101	70	130	0.04974	1.36	20	
Trichloroethene	0.04864	0.0050	0.05	0	97.3	70	130	0.04922	1.19	20	
Vinyl chloride	0.04709	0.0050	0.05	0	94.2	70	130	0.04761	1.10	20	
Xylenes, Total	0.1567	0.015	0.15	0	104	70	130	0.1533	2.19	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134933

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3741348	BFB081417B-3	TUNE	BFB	R134933	1	08/14/2017 21:52
3741349	VSTD050	CCV	VOC_ENCORE+	R134933	1	08/14/2017 22:13
3741350	VLK081417B-3	MBLK	VOC_ENCORE+	R134933	1	08/14/2017 23:06
3741351	VLCS081417B-3	LCS	VOC_ENCORE+	R134933	1	08/14/2017 23:42
3741352	VLCS081417B-3	LCSD	VOC_ENCORE+	R134933	1	08/15/2017 00:18
3741353	17080266-009A	SAMP	VOC_5035	102533	1	08/15/2017 00:54
3741354	17080266-044A	SAMP	VOC_5035	102378	1	08/15/2017 01:30
3741355	17080266-045A	SAMP	VOC_5035	102378	1	08/15/2017 02:06
3741356	17080266-046A	SAMP	VOC_5035	102378	1	08/15/2017 02:42
3741357	17080266-047A	SAMP	VOC_5035	102378	1	08/15/2017 03:18
3741358	17080266-048A	SAMP	VOC_5035	102378	1	08/15/2017 03:53
3741359	17080266-049A	SAMP	VOC_5035	102378	1	08/15/2017 04:29
3741360	17080266-050A	SAMP	VOC_5035	102378	1	08/15/2017 05:04
3741364	17080266-051A	SAMP	VOC_5035	102378	1	08/15/2017 05:40
3741362	17080266-052A	SAMP	VOC_5035	102378	1	08/15/2017 06:16
3741363	17080266-053A	SAMP	VOC_5035	102378	1	08/15/2017 06:52

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
VBLK081417B-3	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/14/2017	VOA-3_170814B				3741350	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.075									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone		ND	0.075									
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide		ND	0.050									
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0020									
Dibromochloromethane		ND	0.0050									
Ethylbenzene		ND	0.0050									
Methyl tert-butyl ether		ND	0.0050									
Methylene chloride		0.0013	0.010									J
Styrene		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134933

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VBLK081417B-3	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/14/2017	VOA-3_170814B			3741350		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Tetrachloroethene	ND	0.0050									
Toluene	ND	0.0050									
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0020									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:		
VLCS081417B-3	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/14/2017			VOA-3_170814B		3741351		
Analyte		Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.04983	0.0050	0.05	0	99.7	70	130	0	0		
1,1,1,2,2-Tetrachloroethane	0.04998	0.0050	0.05	0	100	70	130	0	0		
1,1,1,2-Trichloroethane	0.0488	0.0050	0.05	0	97.6	70	130	0	0		
1,1-Dichloroethane	0.05003	0.0050	0.05	0	100	70	130	0	0		
1,1-Dichloroethene	0.04482	0.0050	0.05	0	89.6	70	130	0	0		
1,2-Dichloroethane	0.05238	0.0050	0.05	0	105	70	130	0	0		
1,2-Dichloropropane	0.04911	0.0050	0.05	0	98.2	70	130	0	0		
2-Butanone	0.095	0.075	0.1	0	95	50	150	0	0		
2-Hexanone	0.09471	0.020	0.1	0	94.7	50	150	0	0		
4-Methyl-2-pentanone	0.09833	0.020	0.1	0	98.3	50	150	0	0		
Acetone	0.1239	0.075	0.1	0	124	50	150	0	0		
Benzene	0.04819	0.0050	0.05	0	96.4	70	130	0	0		
Bromodichloromethane	0.05108	0.0050	0.05	0	102	70	130	0	0		
Bromoform	0.05129	0.0050	0.05	0	103	70	130	0	0		
Bromomethane	0.0478	0.010	0.05	0	95.6	50	150	0	0		
Carbon disulfide	0.09557	0.050	0.1	0	95.6	70	130	0	0		
Carbon tetrachloride	0.05101	0.0050	0.05	0	102	70	130	0	0		
Chlorobenzene	0.04959	0.0050	0.05	0	99.2	70	130	0	0		
Chloroethane	0.04663	0.010	0.05	0	93.3	70	130	0	0		
Chloroform	0.04935	0.0050	0.05	0	98.7	70	130	0	0		
Chloromethane	0.04672	0.010	0.05	0	93.4	70	130	0	0		
cis-1,2-Dichloroethene	0.04917	0.0050	0.05	0	98.3	70	130	0	0		
cis-1,3-Dichloropropene	0.04641	0.0020	0.05	0	92.8	70	130	0	0		
Dibromochloromethane	0.05367	0.0050	0.05	0	107	70	130	0	0		
Ethylbenzene	0.04918	0.0050	0.05	0	98.4	70	130	0	0		
Methyl tert-butyl ether	0.05396	0.0050	0.05	0	108	70	130	0	0		
Methylene chloride	0.05147	0.010	0.05	0.0013	100	70	130	0	0		
Styrene	0.05105	0.0050	0.05	0	102	70	130	0	0		
Tetrachloroethene	0.05176	0.0050	0.05	0	104	70	130	0	0		
Toluene	0.04561	0.0050	0.05	0	91.2	70	130	0	0		
trans-1,2-Dichloroethene	0.05114	0.0050	0.05	0	102	70	130	0	0		
trans-1,3-Dichloropropene	0.04849	0.0020	0.05	0	97	70	130	0	0		
Trichloroethene	0.04715	0.0050	0.05	0	94.3	70	130	0	0		
Vinyl chloride	0.04407	0.0050	0.05	0	88.1	70	130	0	0		
Xylenes, Total	0.1498	0.015	0.15	0	99.9	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134933

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:	
VLCS081417B-3	ZZZZZ	LCSD	mg/Kg	SW5035/8260B		8/15/2017	VOA-3_170814B			3741352	
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.04806	0.0050	0.05	0	96.1	70	130	0.04983	3.62	20	
1,1,2,2-Tetrachloroethane	0.04962	0.0050	0.05	0	99.2	70	130	0.04998	0.723	20	
1,1,2-Trichloroethane	0.04838	0.0050	0.05	0	96.8	70	130	0.0488	0.864	20	
1,1-Dichloroethane	0.04833	0.0050	0.05	0	96.7	70	130	0.05003	3.46	20	
1,1-Dichloroethene	0.0433	0.0050	0.05	0	86.6	70	130	0.04482	3.45	20	
1,2-Dichloroethane	0.049	0.0050	0.05	0	98	70	130	0.05238	6.67	20	
1,2-Dichloropropane	0.04794	0.0050	0.05	0	95.9	70	130	0.04911	2.41	20	
2-Butanone	0.09535	0.075	0.1	0	95.4	50	150	0.095	0.368	20	
2-Hexanone	0.09524	0.020	0.1	0	95.2	50	150	0.09471	0.558	20	
4-Methyl-2-pentanone	0.09622	0.020	0.1	0	96.2	50	150	0.09833	2.17	20	
Acetone	0.1124	0.075	0.1	0	112	50	150	0.1239	9.69	20	
Benzene	0.046	0.0050	0.05	0	92	70	130	0.04819	4.65	20	
Bromodichloromethane	0.04665	0.0050	0.05	0	93.3	70	130	0.05108	9.07	20	
Bromoform	0.05072	0.0050	0.05	0	101	70	130	0.05129	1.12	20	
Bromomethane	0.04833	0.010	0.05	0	96.7	50	150	0.0478	1.10	20	
Carbon disulfide	0.09254	0.050	0.1	0	92.5	70	130	0.09557	3.22	20	
Carbon tetrachloride	0.04822	0.0050	0.05	0	96.4	70	130	0.05101	5.62	20	
Chlorobenzene	0.04738	0.0050	0.05	0	94.8	70	130	0.04959	4.56	20	
Chloroethane	0.04482	0.010	0.05	0	89.6	70	130	0.04663	3.96	20	
Chloroform	0.0475	0.0050	0.05	0	95	70	130	0.04935	3.82	20	
Chloromethane	0.04789	0.010	0.05	0	95.8	70	130	0.04672	2.47	20	
cis-1,2-Dichloroethene	0.04645	0.0050	0.05	0	92.9	70	130	0.04917	5.69	20	
cis-1,3-Dichloropropene	0.04364	0.0020	0.05	0	87.3	70	130	0.04641	6.15	20	
Dibromochloromethane	0.05283	0.0050	0.05	0	106	70	130	0.05367	1.58	20	
Ethylbenzene	0.04821	0.0050	0.05	0	96.4	70	130	0.04918	1.99	20	
Methyl tert-butyl ether	0.0516	0.0050	0.05	0	103	70	130	0.05396	4.47	20	
Methylene chloride	0.05085	0.010	0.05	0.0013	99.1	70	130	0.05147	1.21	20	
Styrene	0.04954	0.0050	0.05	0	99.1	70	130	0.05105	3.00	20	
Tetrachloroethene	0.05011	0.0050	0.05	0	100	70	130	0.05176	3.24	20	
Toluene	0.04341	0.0050	0.05	0	86.8	70	130	0.04561	4.94	20	
trans-1,2-Dichloroethene	0.04932	0.0050	0.05	0	98.6	70	130	0.05114	3.62	20	
trans-1,3-Dichloropropene	0.04685	0.0020	0.05	0	93.7	70	130	0.04849	3.44	20	
Trichloroethene	0.04612	0.0050	0.05	0	92.2	70	130	0.04715	2.21	20	
Vinyl chloride	0.04356	0.0050	0.05	0	87.1	70	130	0.04407	1.16	20	
Xylenes, Total	0.1452	0.015	0.15	0	96.8	70	130	0.1498	3.16	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134934

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3741373	BFB081417A-2	TUNE	BFB	R134934	1	08/14/2017 20:31
3741375	VSTD050	CCV	VOC_ENCORE+	R134934	1	08/14/2017 21:00
3741377	VLK081417A-2	MBLK	VOC_ENCORE+	R134934	1	08/14/2017 21:38
3741380	VLCS081417A-2	LCS	VOC_ENCORE+	R134934	1	08/14/2017 22:15
3741381	VLCS081417A-2	LCSD	VOC_ENCORE+	R134934	1	08/14/2017 22:53
3741382	17080266-029A	SAMP	VOC_5035	102378	1	08/14/2017 23:30
3741383	17080266-030A	SAMP	VOC_5035	102378	1	08/15/2017 00:14
3741384	17080266-031A	SAMP	VOC_5035	102378	1	08/15/2017 00:51
3741385	17080266-032A	SAMP	VOC_5035	102378	1	08/15/2017 01:28
3741386	17080266-033A	SAMP	VOC_5035	102378	1	08/15/2017 02:05
3741387	17080266-034A	SAMP	VOC_5035	102378	1	08/15/2017 02:42
3741388	17080266-035A	SAMP	VOC_5035	102378	1	08/15/2017 03:19
3741389	17080266-036A	SAMP	VOC_5035	102378	1	08/15/2017 03:56
3741390	17080266-037A	SAMP	VOC_5035	102378	1	08/15/2017 04:32
3741391	17080266-038A	SAMP	VOC_5035	102378	1	08/15/2017 05:09
3741392	17080266-039A	SAMP	VOC_5035	102378	1	08/15/2017 05:46
3741393	17080266-040A	SAMP	VOC_5035	102378	1	08/15/2017 06:23
3741394	17080266-041A	SAMP	VOC_5035	102378	1	08/15/2017 06:59

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
VBLK081417A-2	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/14/2017	VOA-2_170814B				3741377	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.075									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone		0.00846	0.075									J
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide		ND	0.050									
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0020									
Dibromochloromethane		ND	0.0050									
Ethylbenzene		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134934

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VBLK081417A-2	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/14/2017	VOA-2_170814B			3741377		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Methyl tert-butyl ether	ND	0.0050
Methylene chloride	ND	0.010
Styrene	ND	0.0050
Tetrachloroethene	ND	0.0050
Toluene	ND	0.0050
trans-1,2-Dichloroethene	ND	0.0050
trans-1,3-Dichloropropene	ND	0.0020
Trichloroethene	ND	0.0050
Vinyl chloride	ND	0.0050
Xylenes, Total	ND	0.015

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
VLCS081417A-2	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/14/2017	VOA-2_170814B				3741380	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05113	0.0050	0.05	0	102	70	130	0	0
1,1,2,2-Tetrachloroethane	0.05364	0.0050	0.05	0	107	70	130	0	0
1,1,2-Trichloroethane	0.05192	0.0050	0.05	0	104	70	130	0	0
1,1-Dichloroethane	0.04465	0.0050	0.05	0	89.3	70	130	0	0
1,1-Dichloroethene	0.04595	0.0050	0.05	0	91.9	70	130	0	0
1,2-Dichloroethane	0.05434	0.0050	0.05	0	109	70	130	0	0
1,2-Dichloropropane	0.04221	0.0050	0.05	0	84.4	70	130	0	0
2-Butanone	0.08565	0.075	0.1	0	85.6	50	150	0	0
2-Hexanone	0.0756	0.020	0.1	0	75.6	50	150	0	0
4-Methyl-2-pentanone	0.07426	0.020	0.1	0	74.3	50	150	0	0
Acetone	0.08922	0.075	0.1	0.00846	80.8	50	150	0	0
Benzene	0.04497	0.0050	0.05	0	89.9	70	130	0	0
Bromodichloromethane	0.05039	0.0050	0.05	0	101	70	130	0	0
Bromoform	0.06048	0.0050	0.05	0	121	70	130	0	0
Bromomethane	0.03884	0.010	0.05	0	77.7	50	150	0	0
Carbon disulfide	0.0873	0.050	0.1	0	87.3	70	130	0	0
Carbon tetrachloride	0.05314	0.0050	0.05	0	106	70	130	0	0
Chlorobenzene	0.05396	0.0050	0.05	0	108	70	130	0	0
Chloroethane	0.04239	0.010	0.05	0	84.8	70	130	0	0
Chloroform	0.05006	0.0050	0.05	0	100	70	130	0	0
Chloromethane	0.03742	0.010	0.05	0	74.8	70	130	0	0
cis-1,2-Dichloroethene	0.05002	0.0050	0.05	0	100	70	130	0	0
cis-1,3-Dichloropropene	0.04816	0.0020	0.05	0	96.3	70	130	0	0
Dibromochloromethane	0.06011	0.0050	0.05	0	120	70	130	0	0
Ethylbenzene	0.05007	0.0050	0.05	0	100	70	130	0	0
Methyl tert-butyl ether	0.05003	0.0050	0.05	0	100	70	130	0	0
Methylene chloride	0.0351	0.010	0.05	0	70.2	70	130	0	0
Styrene	0.0541	0.0050	0.05	0	108	70	130	0	0
Tetrachloroethene	0.05569	0.0050	0.05	0	111	70	130	0	0
Toluene	0.05097	0.0050	0.05	0	102	70	130	0	0
trans-1,2-Dichloroethene	0.04835	0.0050	0.05	0	96.7	70	130	0	0
trans-1,3-Dichloropropene	0.05437	0.0020	0.05	0	109	70	130	0	0
Trichloroethene	0.0482	0.0050	0.05	0	96.4	70	130	0	0
Vinyl chloride	0.04034	0.0050	0.05	0	80.7	70	130	0	0
Xylenes, Total	0.162	0.015	0.15	0	108	70	130	0	0

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134934

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:	
VLCS081417A-2	ZZZZZ	LCSD	mg/Kg	SW5035/8260B		8/14/2017	VOA-2_170814B			3741381	
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.05255	0.0050	0.05	0	105	70	130	0.05113	2.74	20	
1,1,2,2-Tetrachloroethane	0.05106	0.0050	0.05	0	102	70	130	0.05364	4.93	20	
1,1,2-Trichloroethane	0.04932	0.0050	0.05	0	98.6	70	130	0.05192	5.14	20	
1,1-Dichloroethane	0.04311	0.0050	0.05	0	86.2	70	130	0.04465	3.51	20	
1,1-Dichloroethene	0.04399	0.0050	0.05	0	88	70	130	0.04595	4.36	20	
1,2-Dichloroethane	0.05459	0.0050	0.05	0	109	70	130	0.05434	0.459	20	
1,2-Dichloropropane	0.04303	0.0050	0.05	0	86.1	70	130	0.04221	1.92	20	
2-Butanone	0.08814	0.075	0.1	0	88.1	50	150	0.08565	2.87	20	
2-Hexanone	0.0725	0.020	0.1	0	72.5	50	150	0.0756	4.19	20	
4-Methyl-2-pentanone	0.07374	0.020	0.1	0	73.7	50	150	0.07426	0.703	20	
Acetone	0.09045	0.075	0.1	0.00846	82	50	150	0.08922	1.37	20	
Benzene	0.04479	0.0050	0.05	0	89.6	70	130	0.04497	0.401	20	
Bromodichloromethane	0.05098	0.0050	0.05	0	102	70	130	0.05039	1.16	20	
Bromoform	0.05802	0.0050	0.05	0	116	70	130	0.06048	4.15	20	
Bromomethane	0.03688	0.010	0.05	0	73.8	50	150	0.03884	5.18	20	
Carbon disulfide	0.08486	0.050	0.1	0	84.9	70	130	0.0873	2.83	20	
Carbon tetrachloride	0.05172	0.0050	0.05	0	103	70	130	0.05314	2.71	20	
Chlorobenzene	0.0515	0.0050	0.05	0	103	70	130	0.05396	4.67	20	
Chloroethane	0.03989	0.010	0.05	0	79.8	70	130	0.04239	6.08	20	
Chloroform	0.0482	0.0050	0.05	0	96.4	70	130	0.05006	3.79	20	
Chloromethane	0.0414	0.010	0.05	0	82.8	70	130	0.03742	10.1	20	
cis-1,2-Dichloroethene	0.04814	0.0050	0.05	0	96.3	70	130	0.05002	3.83	20	
cis-1,3-Dichloropropene	0.04735	0.0020	0.05	0	94.7	70	130	0.04816	1.70	20	
Dibromochloromethane	0.05865	0.0050	0.05	0	117	70	130	0.06011	2.46	20	
Ethylbenzene	0.04726	0.0050	0.05	0	94.5	70	130	0.05007	5.77	20	
Methyl tert-butyl ether	0.04891	0.0050	0.05	0	97.8	70	130	0.05003	2.26	20	
Methylene chloride	0.03503	0.010	0.05	0	70.1	70	130	0.0351	0.200	20	
Styrene	0.05233	0.0050	0.05	0	105	70	130	0.0541	3.33	20	
Tetrachloroethene	0.05223	0.0050	0.05	0	104	70	130	0.05569	6.41	20	
Toluene	0.04968	0.0050	0.05	0	99.4	70	130	0.05097	2.56	20	
trans-1,2-Dichloroethene	0.04784	0.0050	0.05	0	95.7	70	130	0.04835	1.06	20	
trans-1,3-Dichloropropene	0.05299	0.0020	0.05	0	106	70	130	0.05437	2.57	20	
Trichloroethene	0.04625	0.0050	0.05	0	92.5	70	130	0.0482	4.13	20	
Vinyl chloride	0.04203	0.0050	0.05	0	84.1	70	130	0.04034	4.10	20	
Xylenes, Total	0.1543	0.015	0.15	0	103	70	130	0.162	4.82	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134936

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3741595	BFB081417A-7	TUNE	BFB	R134936	1	08/14/2017 20:35
3741596	VSTD050	CCV	VOC_ENCORE+	R134936	1	08/14/2017 20:54
3741597	VLK081417A-7	MBLK	VOC_ENCORE+	R134936	1	08/14/2017 21:29
3741598	VLCS081417A-7	LCS	VOC_ENCORE+	R134936	1	08/14/2017 22:06
3741600	VLCS081417A-7	LCSD	VOC_ENCORE+	R134936	1	08/14/2017 22:40
3741601	17080442-001A	SAMP	F-LIST_VOC	102556	1	08/14/2017 23:14
3741602	17080266-012A	SAMP	VOC_5035	102378	1	08/14/2017 23:48
3741603	17080266-013A	SAMP	VOC_5035	102378	1	08/15/2017 00:23
3741604	17080266-014A	SAMP	VOC_5035	102378	1	08/15/2017 00:57
3741605	17080266-015A	SAMP	VOC_5035	102378	1	08/15/2017 01:31
3741606	17080266-016A	SAMP	VOC_5035	102378	1	08/15/2017 02:05
3741607	17080266-017A	SAMP	VOC_5035	102378	1	08/15/2017 02:39
3741608	17080266-018A	SAMP	VOC_5035	102378	1	08/15/2017 03:13
3741618	17080266-019A	SAMP	VOC_5035	102378	1	08/15/2017 03:47
3741622	17080266-020A	SAMP	VOC_5035	102378	1	08/15/2017 04:21
3741626	17080266-021A	SAMP	VOC_5035	102378	1	08/15/2017 04:56
3741632	17080266-022A	SAMP	VOC_5035	102378	1	08/15/2017 05:30
3741633	17080266-023A	SAMP	VOC_5035	102378	1	08/15/2017 06:04
3741634	17080266-024A	SAMP	VOC_5035	102378	1	08/15/2017 06:38
3741636	17080266-025A	SAMP	VOC_5035	102378	1	08/15/2017 07:12

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
VBLK081417A-7	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/14/2017			VOA-7_170814B		3741597	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
1,1-Dichloroethane	ND	0.0050									
1,1-Dichloroethene	ND	0.0050									
1,2-Dichloroethane	ND	0.0050									
1,2-Dichloropropane	ND	0.0050									
2-Butanone	ND	0.075									
2-Hexanone	ND	0.020									
4-Methyl-2-pentanone	ND	0.020									
Acetone	0.008	0.075									J
Benzene	ND	0.0050									
Bromodichloromethane	ND	0.0050									
Bromoform	ND	0.0050									
Bromomethane	ND	0.010									
Carbon disulfide	ND	0.050									
Carbon tetrachloride	ND	0.0050									
Chlorobenzene	ND	0.0050									
Chloroethane	ND	0.010									
Chloroform	ND	0.0050									
Chloromethane	ND	0.010									
cis-1,2-Dichloroethene	ND	0.0050									
cis-1,3-Dichloropropene	ND	0.0020									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134936

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLBK081417A-7	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/14/2017	VOA-7_170814B			3741597		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Dibromochloromethane	ND	0.0050									
Ethylbenzene	ND	0.0050									
Methyl tert-butyl ether	ND	0.0050									
Methylene chloride	ND	0.010									
Styrene	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	ND	0.0050									
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0020									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:		
VLCS081417A-7	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/14/2017			VOA-7_170814B		3741598		
Analyte		Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05065	0.0050	0.05	0	101	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.0525	0.0050	0.05	0	105	70	130	0	0		
1,1,2-Trichloroethane	0.05139	0.0050	0.05	0	103	70	130	0	0		
1,1-Dichloroethane	0.05263	0.0050	0.05	0	105	70	130	0	0		
1,1-Dichloroethene	0.0491	0.0050	0.05	0	98.2	70	130	0	0		
1,2-Dichloroethane	0.05262	0.0050	0.05	0	105	70	130	0	0		
1,2-Dichloropropane	0.05179	0.0050	0.05	0	104	70	130	0	0		
2-Butanone	0.09329	0.075	0.1	0	93.3	50	150	0	0		
2-Hexanone	0.09405	0.020	0.1	0	94.1	50	150	0	0		
4-Methyl-2-pentanone	0.1003	0.020	0.1	0	100	50	150	0	0		
Acetone	0.106	0.075	0.1	0.008	98	50	150	0	0		
Benzene	0.05134	0.0050	0.05	0	103	70	130	0	0		
Bromodichloromethane	0.0518	0.0050	0.05	0	104	70	130	0	0		
Bromoform	0.05148	0.0050	0.05	0	103	70	130	0	0		
Bromomethane	0.05393	0.010	0.05	0	108	50	150	0	0		
Carbon disulfide	0.1021	0.050	0.1	0	102	70	130	0	0		
Carbon tetrachloride	0.05109	0.0050	0.05	0	102	70	130	0	0		
Chlorobenzene	0.05072	0.0050	0.05	0	101	70	130	0	0		
Chloroethane	0.05555	0.010	0.05	0	111	70	130	0	0		
Chloroform	0.05038	0.0050	0.05	0	101	70	130	0	0		
Chloromethane	0.05451	0.010	0.05	0	109	70	130	0	0		
cis-1,2-Dichloroethene	0.05043	0.0050	0.05	0	101	70	130	0	0		
cis-1,3-Dichloropropene	0.04973	0.0020	0.05	0	99.5	70	130	0	0		
Dibromochloromethane	0.05147	0.0050	0.05	0	103	70	130	0	0		
Ethylbenzene	0.05141	0.0050	0.05	0	103	70	130	0	0		
Methyl tert-butyl ether	0.05411	0.0050	0.05	0	108	70	130	0	0		
Methylene chloride	0.04743	0.010	0.05	0	94.9	70	130	0	0		
Styrene	0.05237	0.0050	0.05	0	105	70	130	0	0		
Tetrachloroethene	0.04952	0.0050	0.05	0	99	70	130	0	0		
Toluene	0.05222	0.0050	0.05	0	104	70	130	0	0		
trans-1,2-Dichloroethene	0.05192	0.0050	0.05	0	104	70	130	0	0		
trans-1,3-Dichloropropene	0.05152	0.0020	0.05	0	103	70	130	0	0		
Trichloroethene	0.04921	0.0050	0.05	0	98.4	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134936

Sample ID: VLCS081417A-7	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/14/2017	Run ID: VOA-7_170814B			SeqNo: 3741598		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Vinyl chloride	0.05245	0.0050	0.05	0	105	70	130	0	0		
Xylenes, Total	0.1543	0.015	0.15	0	103	70	130	0	0		

Sample ID: VLCS081417A-7	Customer ID: ZZZZZ	SampType: LCSD	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/14/2017	Run ID: VOA-7_170814B			SeqNo: 3741600		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05072	0.0050	0.05	0	101	70	130	0.05065	0.138	20
1,1,2,2-Tetrachloroethane	0.05279	0.0050	0.05	0	106	70	130	0.0525	0.551	20
1,1,2-Trichloroethane	0.05251	0.0050	0.05	0	105	70	130	0.05139	2.16	20
1,1-Dichloroethane	0.05213	0.0050	0.05	0	104	70	130	0.05263	0.955	20
1,1-Dichloroethene	0.04574	0.0050	0.05	0	91.5	70	130	0.0491	7.09	20
1,2-Dichloroethane	0.04974	0.0050	0.05	0	99.5	70	130	0.05262	5.63	20
1,2-Dichloropropane	0.0525	0.0050	0.05	0	105	70	130	0.05179	1.36	20
2-Butanone	0.092	0.075	0.1	0	92	50	150	0.09329	1.39	20
2-Hexanone	0.092	0.020	0.1	0	92	50	150	0.09405	2.20	20
4-Methyl-2-pentanone	0.09417	0.020	0.1	0	94.2	50	150	0.1003	6.34	20
Acetone	0.1018	0.075	0.1	0.008	93.8	50	150	0.106	4.01	20
Benzene	0.05037	0.0050	0.05	0	101	70	130	0.05134	1.91	20
Bromodichloromethane	0.05025	0.0050	0.05	0	101	70	130	0.0518	3.04	20
Bromoform	0.05078	0.0050	0.05	0	102	70	130	0.05148	1.37	20
Bromomethane	0.05294	0.010	0.05	0	106	50	150	0.05393	1.85	20
Carbon disulfide	0.101	0.050	0.1	0	101	70	130	0.1021	1.04	20
Carbon tetrachloride	0.04872	0.0050	0.05	0	97.4	70	130	0.05109	4.75	20
Chlorobenzene	0.05154	0.0050	0.05	0	103	70	130	0.05072	1.60	20
Chloroethane	0.05299	0.010	0.05	0	106	70	130	0.05555	4.72	20
Chloroform	0.05025	0.0050	0.05	0	101	70	130	0.05038	0.258	20
Chloromethane	0.05529	0.010	0.05	0	111	70	130	0.05451	1.42	20
cis-1,2-Dichloroethene	0.05122	0.0050	0.05	0	102	70	130	0.05043	1.55	20
cis-1,3-Dichloropropene	0.04899	0.0020	0.05	0	98	70	130	0.04973	1.50	20
Dibromochloromethane	0.05306	0.0050	0.05	0	106	70	130	0.05147	3.04	20
Ethylbenzene	0.05155	0.0050	0.05	0	103	70	130	0.05141	0.272	20
Methyl tert-butyl ether	0.05296	0.0050	0.05	0	106	70	130	0.05411	2.15	20
Methylene chloride	0.04898	0.010	0.05	0	98	70	130	0.04743	3.22	20
Styrene	0.05266	0.0050	0.05	0	105	70	130	0.05237	0.552	20
Tetrachloroethene	0.04951	0.0050	0.05	0	99	70	130	0.04952	0.0202	20
Toluene	0.05133	0.0050	0.05	0	103	70	130	0.05222	1.72	20
trans-1,2-Dichloroethene	0.05019	0.0050	0.05	0	100	70	130	0.05192	3.39	20
trans-1,3-Dichloropropene	0.0507	0.0020	0.05	0	101	70	130	0.05152	1.60	20
Trichloroethene	0.04723	0.0050	0.05	0	94.5	70	130	0.04921	4.11	20
Vinyl chloride	0.05027	0.0050	0.05	0	101	70	130	0.05245	4.24	20
Xylenes, Total	0.1552	0.015	0.15	0	103	70	130	0.1543	0.556	20

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles
BatchID: R134946

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3741896	BFB081517-2	TUNE	BFB	R134946	1	08/15/2017 07:31
3741919	VSTD020	CCV	VOC_ENCORE+	R134946	1	08/15/2017 08:05
3741998	VLK081517-2	MBLK	VOC_ENCORE+	R134946	1	08/15/2017 08:42
3742000	VLCS081517-2	LCS	VOC_ENCORE+	R134946	1	08/15/2017 09:20
3742001	VLCS081517-2	LCSD	VOC_ENCORE+	R134946	1	08/15/2017 10:00
3742002	17080266-026A	SAMP	VOC_5035	102378	1	08/15/2017 10:40
3742003	17080266-027A	SAMP	VOC_5035	102378	1	08/15/2017 11:22
3742004	17080266-028A	SAMP	VOC_5035	102378	1	08/15/2017 12:03
3742176	17080266-042A	SAMP	VOC_5035	102378	1	08/15/2017 12:44
3742323	17080266-043A	SAMP	VOC_5035	102378	1	08/15/2017 13:25
3742326	17080266-053A	SAMP	VOC_5035	102378	1	08/15/2017 14:07
3742355	17080266-054A	SAMP	VOC_5035	102378	1	08/15/2017 14:50
3742526	17080266-025A	SAMP	VOC_5035	102533	1	08/15/2017 15:31
3742538	17080286-016A	SAMP	VOC_5035	102378	1	08/15/2017 16:09
3742635	17080286-017A	SAMP	VOC_5035	102378	1	08/15/2017 16:49
3742665	17080286-018A	SAMP	VOC_5035	102378	1	08/15/2017 17:27
3742752	17080286-019A	SAMP	VOC_5035	102378	1	08/15/2017 18:05
3742753	17080286-020A	SAMP	VOC_5035	102378	1	08/15/2017 18:43
3742757	17080286-021A	SAMP	VOC_5035	102378	1	08/15/2017 19:21

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
VBLK081517-2	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/15/2017	VOA-2_170815A				3741998	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.075									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone	0.00862		0.075									J
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide		ND	0.050									
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0020									
Dibromochloromethane		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134946

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:			
VLBK081517-2	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/15/2017	VOA-2_170815A			3741998			
Analyte		Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Ethylbenzene	ND	0.0050									
Methyl tert-butyl ether	ND	0.0050									
Methylene chloride	ND	0.010									
Styrene	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	ND	0.0050									
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0020									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLCS081517-2	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/15/2017	VOA-2_170815A			3742000		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05716	0.0050	0.05	0	114	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.05541	0.0050	0.05	0	111	70	130	0	0		
1,1,2-Trichloroethane	0.05301	0.0050	0.05	0	106	70	130	0	0		
1,1-Dichloroethane	0.04616	0.0050	0.05	0	92.3	70	130	0	0		
1,1-Dichloroethene	0.05072	0.0050	0.05	0	101	70	130	0	0		
1,2-Dichloroethane	0.05649	0.0050	0.05	0	113	70	130	0	0		
1,2-Dichloropropane	0.04389	0.0050	0.05	0	87.8	70	130	0	0		
2-Butanone	0.08769	0.075	0.1	0	87.7	50	150	0	0		
2-Hexanone	0.07803	0.020	0.1	0	78	50	150	0	0		
4-Methyl-2-pentanone	0.0724	0.020	0.1	0	72.4	50	150	0	0		
Acetone	0.08686	0.075	0.1	0.00862	78.2	50	150	0	0		
Benzene	0.0478	0.0050	0.05	0	95.6	70	130	0	0		
Bromodichloromethane	0.05347	0.0050	0.05	0	107	70	130	0	0		
Bromoform	0.06379	0.0050	0.05	0	128	70	130	0	0		
Bromomethane	0.03543	0.010	0.05	0	70.9	50	150	0	0		
Carbon disulfide	0.09325	0.050	0.1	0	93.2	70	130	0	0		
Carbon tetrachloride	0.0592	0.0050	0.05	0	118	70	130	0	0		
Chlorobenzene	0.05688	0.0050	0.05	0	114	70	130	0	0		
Chloroethane	0.04426	0.010	0.05	0	88.5	70	130	0	0		
Chloroform	0.05042	0.0050	0.05	0	101	70	130	0	0		
Chloromethane	0.03558	0.010	0.05	0	71.2	70	130	0	0		
cis-1,2-Dichloroethene	0.05048	0.0050	0.05	0	101	70	130	0	0		
cis-1,3-Dichloropropene	0.0486	0.0020	0.05	0	97.2	70	130	0	0		
Dibromochloromethane	0.06301	0.0050	0.05	0	126	70	130	0	0		
Ethylbenzene	0.05369	0.0050	0.05	0	107	70	130	0	0		
Methyl tert-butyl ether	0.04946	0.0050	0.05	0	98.9	70	130	0	0		
Methylene chloride	0.03775	0.010	0.05	0	75.5	70	130	0	0		
Styrene	0.0573	0.0050	0.05	0	115	70	130	0	0		
Tetrachloroethene	0.06251	0.0050	0.05	0	125	70	130	0	0		
Toluene	0.05289	0.0050	0.05	0	106	70	130	0	0		
trans-1,2-Dichloroethene	0.0522	0.0050	0.05	0	104	70	130	0	0		
trans-1,3-Dichloropropene	0.05591	0.0020	0.05	0	112	70	130	0	0		
Trichloroethene	0.05212	0.0050	0.05	0	104	70	130	0	0		
Vinyl chloride	0.04246	0.0050	0.05	0	84.9	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134946

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLCS081517-2	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/15/2017	VOA-2_170815A			3742000		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Xylenes, Total	0.1747	0.015	0.15	0	116	70	130	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
VLCS081517-2	ZZZZZ	LCSD	mg/Kg	SW5035/8260B		8/15/2017		VOA-2_170815A		3742001		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05838	0.0050	0.05	0	117	70	130	0.05716	2.11	20	
1,1,2,2-Tetrachloroethane	0.05668	0.0050	0.05	0	113	70	130	0.05541	2.27	20	
1,1,2-Trichloroethane	0.05488	0.0050	0.05	0	110	70	130	0.05301	3.47	20	
1,1-Dichloroethane	0.04692	0.0050	0.05	0	93.8	70	130	0.04616	1.63	20	
1,1-Dichloroethene	0.05286	0.0050	0.05	0	106	70	130	0.05072	4.13	20	
1,2-Dichloroethane	0.05923	0.0050	0.05	0	118	70	130	0.05649	4.74	20	
1,2-Dichloropropane	0.04518	0.0050	0.05	0	90.4	70	130	0.04389	2.90	20	
2-Butanone	0.09292	0.075	0.1	0	92.9	50	150	0.08769	5.79	20	
2-Hexanone	0.07868	0.020	0.1	0	78.7	50	150	0.07803	0.830	20	
4-Methyl-2-pentanone	0.07705	0.020	0.1	0	77.1	50	150	0.0724	6.22	20	
Acetone	0.09077	0.075	0.1	0.00862	82.2	50	150	0.08686	4.40	20	
Benzene	0.04853	0.0050	0.05	0	97.1	70	130	0.0478	1.52	20	
Bromodichloromethane	0.05527	0.0050	0.05	0	111	70	130	0.05347	3.31	20	
Bromoform	0.06528	0.0050	0.05	0	131	70	130	0.06379	2.31	20	S
Bromomethane	0.03936	0.010	0.05	0	78.7	50	150	0.03543	10.5	20	
Carbon disulfide	0.09486	0.050	0.1	0	94.9	70	130	0.09325	1.71	20	
Carbon tetrachloride	0.06144	0.0050	0.05	0	123	70	130	0.0592	3.71	20	
Chlorobenzene	0.05938	0.0050	0.05	0	119	70	130	0.05688	4.30	20	
Chloroethane	0.0472	0.010	0.05	0	94.4	70	130	0.04426	6.43	20	
Chloroform	0.05306	0.0050	0.05	0	106	70	130	0.05042	5.10	20	
Chloromethane	0.04556	0.010	0.05	0	91.1	70	130	0.03558	24.6	20	R
cis-1,2-Dichloroethene	0.05124	0.0050	0.05	0	102	70	130	0.05048	1.49	20	
cis-1,3-Dichloropropene	0.04988	0.0020	0.05	0	99.8	70	130	0.0486	2.60	20	
Dibromochloromethane	0.064	0.0050	0.05	0	128	70	130	0.06301	1.56	20	
Ethylbenzene	0.0556	0.0050	0.05	0	111	70	130	0.05369	3.50	20	
Methyl tert-butyl ether	0.05276	0.0050	0.05	0	106	70	130	0.04946	6.46	20	
Methylene chloride	0.03639	0.010	0.05	0	72.8	70	130	0.03775	3.67	20	
Styrene	0.05989	0.0050	0.05	0	120	70	130	0.0573	4.42	20	
Tetrachloroethene	0.06362	0.0050	0.05	0	127	70	130	0.06251	1.76	20	
Toluene	0.05561	0.0050	0.05	0	111	70	130	0.05289	5.01	20	
trans-1,2-Dichloroethene	0.05298	0.0050	0.05	0	106	70	130	0.0522	1.48	20	
trans-1,3-Dichloropropene	0.05741	0.0020	0.05	0	115	70	130	0.05591	2.65	20	
Trichloroethene	0.05352	0.0050	0.05	0	107	70	130	0.05212	2.65	20	
Vinyl chloride	0.05117	0.0050	0.05	0	102	70	130	0.04246	18.6	20	
Xylenes, Total	0.1786	0.015	0.15	0	119	70	130	0.1747	2.19	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:

Huff & Huff, Inc.

Work Order:

17080266

Project:

81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Test No:

SW8260B

Matrix: W

QC SUMMARY REPORT

SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VBLK081217-4	94.1	101	104	107				
VLCS081217-4	99.4	104	101	105				
VLCS081217-4	101	103	104	104				
17080266-055A	96.0	101	106	103				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	79-114
BZMED8	= Toluene-d8	91-109
DBFM	= Dibromofluoromethane	85-123
DCA12D4	= 1,2-Dichloroethane-d4	86-119

* Surrogate recovery outside acceptance limits

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134899

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3740142	BFB081217-4	TUNE	BFB	R134899	1	08/12/2017 13:25
3740143	VSTD050	CCV	VOC_W+	R134899	1	08/12/2017 14:27
3740144	VLK081217-4	MBLK	VOC_W+	R134899	1	08/12/2017 15:03
3740145	VLCS081217-4	LCS	VOC_W+	R134899	1	08/12/2017 15:38
3740146	VLCS081217-4	LCSD	VOC_W+	R134899	1	08/12/2017 16:15
3740147	17080367-015A	SAMP	BTEX_W-MS	R134899	1	08/12/2017 16:51
3740148	17080169-010A	SAMP	BTEX_W-MS	R134899	1	08/12/2017 17:27
3740149	17080436-001A	SAMP	BTEX_W-MS	R134899	1	08/12/2017 18:02
3740150	17080435-004A	SAMP	BTEX_W-MS	R134899	1	08/12/2017 18:38
3740151	ZBLK081117	MBLK	VOC_TCLP+	R134899	10	08/12/2017 19:50
3740152	17080390-001A	SAMP	VOC_TCLP	R134899	10	08/12/2017 20:25
3740153	17080409-001A	SAMP	VOC_TCLP	R134899	10	08/12/2017 21:00
3740154	ZBLK080917	MBLK	VOC_TCLP+	R134899	10	08/12/2017 21:35
3740155	17080098-002B	SAMP	VOC_TCLP	R134899	10	08/12/2017 22:11
3740156	17080286-044A	SAMP	VOC_W	R134899	1	08/12/2017 23:21
3740157	17080266-055A	SAMP	VOC_W	R134899	1	08/12/2017 23:56
3740158	17080321-001A	SAMP	VOC_W	R134899	1	08/13/2017 00:31

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
VBLK081217-4	ZZZZZ	MBLK	mg/L	SW8260B		8/12/2017	VOA-4_170812A				3740144	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.020									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone		ND	0.020									
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide	0.00055		0.010									J
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0010									
Dibromochloromethane		ND	0.0050									
Ethylbenzene		ND	0.0050									
Methyl tert-butyl ether		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134899

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLBK081217-4	ZZZZZ	MBLK	mg/L	SW8260B		8/12/2017	VOA-4_170812A			3740144		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Methylene chloride	ND	0.0050									
Styrene	ND	0.0050									
Tetrachloroethene	0.00069	0.0050									J
Toluene	ND	0.0050									
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0010									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0020									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
VLCS081217-4	ZZZZZ	LCS	mg/L	SW8260B		8/12/2017			VOA-4_170812A		3740145	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.02091	0.0050	0.02	0	105	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.02193	0.0050	0.02	0	110	70	130	0	0		
1,1,2-Trichloroethane	0.02346	0.0050	0.02	0	117	70	130	0	0		
1,1-Dichloroethane	0.02127	0.0050	0.02	0	106	70	130	0	0		
1,1-Dichloroethene	0.02091	0.0050	0.02	0	105	70	130	0	0		
1,2-Dichloroethane	0.01988	0.0050	0.02	0	99.4	70	130	0	0		
1,2-Dichloropropane	0.02132	0.0050	0.02	0	107	70	130	0	0		
2-Butanone	0.04813	0.020	0.04	0	120	50	150	0	0		
2-Hexanone	0.04304	0.020	0.04	0	108	50	150	0	0		
4-Methyl-2-pentanone	0.04316	0.020	0.04	0	108	50	150	0	0		
Acetone	0.05151	0.020	0.04	0	129	50	150	0	0		
Benzene	0.02077	0.0050	0.02	0	104	70	130	0	0		
Bromodichloromethane	0.02079	0.0050	0.02	0	104	70	130	0	0		
Bromoform	0.01987	0.0050	0.02	0	99.4	70	130	0	0		
Bromomethane	0.01927	0.010	0.02	0	96.4	50	150	0	0		
Carbon disulfide	0.04212	0.010	0.04	0	105	70	130	0	0		
Carbon tetrachloride	0.02031	0.0050	0.02	0	102	70	130	0	0		
Chlorobenzene	0.021	0.0050	0.02	0	105	70	130	0	0		
Chloroethane	0.02241	0.010	0.02	0	112	70	130	0	0		
Chloroform	0.02024	0.0050	0.02	0	101	70	130	0	0		
Chloromethane	0.02169	0.010	0.02	0	108	70	130	0	0		
cis-1,2-Dichloroethene	0.01995	0.0050	0.02	0	99.8	70	130	0	0		
cis-1,3-Dichloropropene	0.02045	0.0010	0.02	0	102	70	130	0	0		
Dibromochloromethane	0.0222	0.0050	0.02	0	111	70	130	0	0		
Ethylbenzene	0.02043	0.0050	0.02	0	102	70	130	0	0		
Methyl tert-butyl ether	0.02038	0.0050	0.02	0	102	70	130	0	0		
Methylene chloride	0.02148	0.0050	0.02	0	107	70	130	0	0		
Styrene	0.02023	0.0050	0.02	0	101	70	130	0	0		
Tetrachloroethene	0.02176	0.0050	0.02	0	109	70	130	0	0		
Toluene	0.02088	0.0050	0.02	0	104	70	130	0	0		
trans-1,2-Dichloroethene	0.02088	0.0050	0.02	0	104	70	130	0	0		
trans-1,3-Dichloropropene	0.02126	0.0010	0.02	0	106	70	130	0	0		
Trichloroethene	0.02051	0.0050	0.02	0	103	70	130	0	0		
Vinyl chloride	0.02171	0.0020	0.02	0	109	70	130	0	0		
Xylenes, Total	0.05926	0.015	0.06	0	98.8	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134899

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLCS081217-4	ZZZZZ	LCSD	mg/L	SW8260B		8/12/2017	VOA-4_170812A			3740146		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		0.0211	0.0050	0.02	0	106	70	130	0.02091	0.905	20	
1,1,2,2-Tetrachloroethane		0.0211	0.0050	0.02	0	106	70	130	0.02193	3.86	20	
1,1,2-Trichloroethane		0.02296	0.0050	0.02	0	115	70	130	0.02346	2.15	20	
1,1-Dichloroethane		0.02216	0.0050	0.02	0	111	70	130	0.02127	4.10	20	
1,1-Dichloroethene		0.02134	0.0050	0.02	0	107	70	130	0.02091	2.04	20	
1,2-Dichloroethane		0.02119	0.0050	0.02	0	106	70	130	0.01988	6.38	20	
1,2-Dichloropropane		0.02139	0.0050	0.02	0	107	70	130	0.02132	0.328	20	
2-Butanone		0.05017	0.020	0.04	0	125	50	150	0.04813	4.15	20	
2-Hexanone		0.04364	0.020	0.04	0	109	50	150	0.04304	1.38	20	
4-Methyl-2-pentanone		0.04357	0.020	0.04	0	109	50	150	0.04316	0.945	20	
Acetone		0.05384	0.020	0.04	0	135	50	150	0.05151	4.42	20	
Benzene		0.02081	0.0050	0.02	0	104	70	130	0.02077	0.192	20	
Bromodichloromethane		0.02047	0.0050	0.02	0	102	70	130	0.02079	1.55	20	
Bromoform		0.02054	0.0050	0.02	0	103	70	130	0.01987	3.32	20	
Bromomethane		0.02046	0.010	0.02	0	102	50	150	0.01927	5.99	20	
Carbon disulfide		0.04369	0.010	0.04	0	109	70	130	0.04212	3.66	20	
Carbon tetrachloride		0.0211	0.0050	0.02	0	106	70	130	0.02031	3.82	20	
Chlorobenzene		0.02148	0.0050	0.02	0	107	70	130	0.021	2.26	20	
Chloroethane		0.02295	0.010	0.02	0	115	70	130	0.02241	2.38	20	
Chloroform		0.02092	0.0050	0.02	0	105	70	130	0.02024	3.30	20	
Chloromethane		0.02275	0.010	0.02	0	114	70	130	0.02169	4.77	20	
cis-1,2-Dichloroethene		0.02087	0.0050	0.02	0	104	70	130	0.01995	4.51	20	
cis-1,3-Dichloropropene		0.02078	0.0010	0.02	0	104	70	130	0.02045	1.60	20	
Dibromochloromethane		0.02146	0.0050	0.02	0	107	70	130	0.0222	3.39	20	
Ethylbenzene		0.02083	0.0050	0.02	0	104	70	130	0.02043	1.94	20	
Methyl tert-butyl ether		0.021	0.0050	0.02	0	105	70	130	0.02038	3.00	20	
Methylene chloride		0.02134	0.0050	0.02	0	107	70	130	0.02148	0.654	20	
Styrene		0.02021	0.0050	0.02	0	101	70	130	0.02023	0.0989	20	
Tetrachloroethene		0.0213	0.0050	0.02	0	106	70	130	0.02176	2.14	20	
Toluene		0.02083	0.0050	0.02	0	104	70	130	0.02088	0.240	20	
trans-1,2-Dichloroethene		0.02185	0.0050	0.02	0	109	70	130	0.02088	4.54	20	
trans-1,3-Dichloropropene		0.02108	0.0010	0.02	0	105	70	130	0.02126	0.850	20	
Trichloroethene		0.02127	0.0050	0.02	0	106	70	130	0.02051	3.64	20	
Vinyl chloride		0.02332	0.0020	0.02	0	117	70	130	0.02171	7.15	20	
Xylenes, Total		0.05993	0.015	0.06	0	99.9	70	130	0.05926	1.12	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

STAT Analysis Corporation

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW8270C **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
17080266-050B	54.7	60.9	55.3	80.1	50.0	55.3	68.3	72.6
MB-102399-SVOC	88.3	90.7	90.2	117	92.0	98.2	106	104
LCS-102399-SVOC	80.8	81.4	87.1	109	80.5	88.3	90.6	98.0
MB-102407-SVOC	99.5	101	102	122	96.0	103	106	100
LCS-102407-SVOC	74.8	73.7	78.4	97.2	72.0	78.5	87.4	82.7
MB-102423-SVOC	96.2	97.2	101	128 *	90.5	99.9	110	101
LCS-102423-SVOC	105	102	106	135 *	104	107	110	104
17080266-021B	71.4	73.4	74.8	121	70.3	77.0	85.3	98.7
17080266-021BMS	77.8	78.0	82.1	125 *	75.0	85.9	90.0	91.3
17080266-021BMSD	77.5	77.4	82.5	122 *	75.2	83.3	90.5	90.0
17080266-053B	58.0	57.3	59.1	91.7	56.3	62.5	66.8	69.8
17080266-053BMS	89.3	87.8	94.2	121	86.0	95.3	97.3	91.4
17080266-053BMSD	90.4	88.7	93.9	127 *	85.1	95.3	101	98.4
17080266-019B	77.5	73.0	79.2	115	73.0	80.2	82.6	85.3
17080266-020B	66.0	64.7	70.2	97.6	63.4	71.2	74.3	75.4
17080266-022B	74.3	73.9	80.2	105	73.8	81.0	82.2	84.3
17080266-047B	71.1	68.7	71.9	98.8	67.8	76.1	78.1	73.6
17080266-048B	62.4	62.5	64.7	88.6	61.0	66.8	67.0	73.6
17080266-049B	69.7	69.9	70.8	97.5	65.5	70.8	80.2	74.7
17080266-001B	48.5	41.1	54.8	71.6	48.7	50.7	47.6	69.9
17080266-001BMS	81.0	78.5	97.9	105	81.6	86.3	83.4	93.9
17080266-001BMSD	73.1	69.3	83.7	93.6	71.3	78.3	78.1	84.8
17080266-002B	69.7	62.1	82.0	98.7	67.1	75.6	71.3	76.4
17080266-003B	66.8	56.1	71.8	83.0	63.3	69.3	64.2	67.3
17080266-004B	74.6	68.3	84.3	106	74.4	79.6	71.6	80.5
17080266-005B	50.8	46.2	58.4	71.2	52.7	53.0	54.6	74.8
17080266-006B	53.1	41.9	56.9	55.3	54.4	56.3	50.6	69.9

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

* Surrogate recovery outside acceptance limits

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW8270C **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
17080266-007B	60.3	50.7	66.0	74.8	57.9	66.5	64.7	96.8
17080266-008B	70.2	53.9	73.9	94.8	67.8	76.8	68.5	78.4
17080266-009B	72.9	55.8	78.5	92.1	67.3	74.8	68.7	98.3
17080266-010B	78.1	64.0	90.1	107	75.8	83.0	76.9	89.3
17080266-011B	72.3	71.0	81.6	126 *	66.7	79.6	74.1	91.6
17080266-012B	64.2	61.6	73.5	92.4	62.5	67.1	75.7	86.1
17080266-013B	62.8	69.3	81.7	92.4	64.1	67.7	76.1	69.5
17080266-014B	73.7	74.5	84.0	100	72.5	77.4	81.9	82.8
17080266-015B	62.4	60.5	70.9	87.1	55.8	65.3	76.8	94.4
17080266-016B	69.5	67.8	79.1	77.8	64.3	72.8	83.7	86.7
17080266-017B	76.1	75.7	87.2	100	78.6	81.8	66.3	94.3
17080266-018B	72.2	71.6	82.3	84.2	73.7	77.3	78.3	77.7
17080266-023B	70.2	70.1	81.8	76.8	66.7	75.8	74.3	91.5
17080266-024B	56.7	58.9	63.4	70.1	56.9	58.8	59.3	80.4
17080266-025B	64.0	64.4	75.2	82.5	59.5	63.7	74.6	80.1
17080266-026B	68.2	69.5	81.1	82.8	53.7	74.2	74.7	83.0
17080266-027B	70.5	72.6	81.9	96.5	71.2	77.1	69.5	94.5
17080266-028B	73.2	72.6	84.7	91.0	71.5	79.1	81.7	79.3
17080266-029B	73.5	75.1	83.8	88.9	72.0	78.8	78.8	87.4
17080266-030B	70.9	70.0	79.7	82.0	68.0	75.3	78.0	80.7
17080266-031B	73.9	75.4	85.5	93.1	73.6	78.5	71.2	89.3
17080266-032B	75.5	72.8	83.5	93.8	70.8	79.1	78.4	91.3
17080266-033B	70.7	71.7	81.1	81.1	68.8	74.2	76.1	77.8
17080266-034B	62.7	64.0	71.6	80.2	61.8	67.9	71.6	86.9
17080266-035B	71.5	74.1	82.1	79.0	69.2	74.7	74.6	75.8
17080266-036B	68.4	66.6	74.7	91.0	64.8	72.2	65.2	74.5
17080266-037B	77.1	74.9	86.2	91.5	73.5	80.8	78.8	88.5
17080266-038B	59.4	61.4	66.9	67.1	52.5	62.1	62.0	65.2

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW8270C **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
17080266-039B	70.1	69.3	78.0	80.6	53.9	74.6	76.1	78.7
17080266-040B	67.1	66.9	78.2	86.5	65.7	69.5	74.8	91.2
17080266-041B	72.6	75.3	83.2	88.3	70.8	77.6	81.0	90.2
17080266-042B	68.1	68.8	80.6	83.1	69.0	72.6	76.4	79.2
17080266-043B	67.3	67.7	79.6	84.5	52.7	57.6	74.3	80.5
17080266-044B	64.9	66.0	72.5	78.5	52.1	68.7	57.8	88.2
17080266-045B	74.7	75.4	87.9	85.9	61.7	76.9	78.5	80.9
17080266-046B	62.1	62.3	89.4	81.8	68.4	64.8	71.3	77.7
17080266-051B	63.5	62.4	83.6	70.7	60.6	66.5	73.4	69.5
17080266-052B	65.9	72.6	86.7	89.6	63.8	68.7	82.6	83.6
17080266-054B	58.5	67.3	75.1	70.6	56.8	61.7	64.1	65.5

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT
GCMS Semivolatiles
BatchID: 102399

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-102399-SVOC			0.03	0	0	1	33.333	8/9/2017	8/9/2017
LCS-102399-SVOC			0.03	0	0	1	33.333	8/9/2017	8/9/2017
17080266-001B	Soil		0.0301	0	0	1	33.223	8/9/2017	8/9/2017
17080266-002B	Soil		0.03034	0	0	1	32.960	8/9/2017	8/9/2017
17080266-003B	Soil		0.03075	0	0	1	32.520	8/9/2017	8/9/2017
17080266-004B	Soil		0.03014	0	0	1	33.179	8/9/2017	8/9/2017
17080266-005B	Soil		0.03011	0	0	1	33.212	8/9/2017	8/9/2017
17080266-006B	Soil		0.03006	0	0	1	33.267	8/9/2017	8/9/2017
17080266-007B	Soil		0.03029	0	0	1	33.014	8/9/2017	8/9/2017
17080266-008B	Soil		0.03069	0	0	1	32.584	8/9/2017	8/9/2017
17080266-009B	Soil		0.03048	0	0	1	32.808	8/9/2017	8/9/2017
17080266-010B	Soil		0.03043	0	0	1	32.862	8/9/2017	8/9/2017
17080266-011B	Soil		0.0301	0	0	1	33.223	8/9/2017	8/9/2017
17080266-012B	Soil		0.03024	0	0	1	33.069	8/9/2017	8/9/2017
17080266-013B	Soil		0.03035	0	0	1	32.949	8/9/2017	8/9/2017
17080266-014B	Soil		0.0304	0	0	1	32.895	8/9/2017	8/9/2017
17080266-015B	Soil		0.03063	0	0	1	32.648	8/9/2017	8/9/2017
17080266-016B	Soil		0.03052	0	0	1	32.765	8/9/2017	8/9/2017
17080266-017B	Soil		0.03025	0	0	1	33.058	8/9/2017	8/9/2017
17080266-018B	Soil		0.03004	0	0	1	33.289	8/9/2017	8/9/2017
17080266-019B	Soil		0.03016	0	0	1	33.156	8/9/2017	8/9/2017
17080266-020B	Soil		0.03061	0	0	1	32.669	8/9/2017	8/9/2017
17080266-001BMS	Soil		0.03012	0	0	1	33.201	8/9/2017	8/9/2017
17080266-001BMSD	Soil		0.03011	0	0	1	33.212	8/9/2017	8/9/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102399-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/9/2017	8/10/2017	SVOC-7_170810B				3736936	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene		ND	0.033									
Acenaphthylene		ND	0.033									
Aniline		ND	0.33									
Anthracene		ND	0.033									
Benz(a)anthracene		ND	0.033									
Benzidine		ND	0.33									
Benzo(a)pyrene		ND	0.033									
Benzo(b)fluoranthene		ND	0.033									
Benzo(g,h,i)perylene		ND	0.033									
Benzo(k)fluoranthene		ND	0.033									
Benzoic acid		ND	0.83									
Benzyl alcohol		ND	0.17									
Bis(2-chloroethoxy)methane		ND	0.17									
Bis(2-chloroethyl)ether		ND	0.17									
Bis(2-ethylhexyl)phthalate		ND	0.83									
4-Bromophenyl phenyl ether		ND	0.17									
Butyl benzyl phthalate		ND	0.17									
Carbazole		ND	0.17									
4-Chloroaniline		ND	0.17									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102399

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
MB-102399-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/9/2017	8/10/2017	SVOC-7_170810B			3736936		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33
2-Chloronaphthalene	ND	0.17
2-Chlorophenol	ND	0.17
4-Chlorophenyl phenyl ether	ND	0.17
Chrysene	ND	0.033
Dibenz(a,h)anthracene	ND	0.033
Dibenzofuran	ND	0.17
1,2-Dichlorobenzene	ND	0.17
1,3-Dichlorobenzene	ND	0.17
1,4-Dichlorobenzene	ND	0.17
3,3'-Dichlorobenzidine	ND	0.17
2,4-Dichlorophenol	ND	0.17
Diethyl phthalate	ND	0.17
2,4-Dimethylphenol	ND	0.17
Dimethyl phthalate	ND	0.17
4,6-Dinitro-2-methylphenol	ND	0.33
2,4-Dinitrophenol	ND	0.83
2,4-Dinitrotoluene	ND	0.033
2,6-Dinitrotoluene	ND	0.033
Di-n-butyl phthalate	ND	0.17
Di-n-octyl phthalate	ND	0.17
Fluoranthene	ND	0.033
Fluorene	ND	0.033
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.17
Hexachloroethane	ND	0.17
Indeno(1,2,3-cd)pyrene	ND	0.033
Isophorone	ND	0.17
2-Methylnaphthalene	ND	0.17
2-Methylphenol	ND	0.17
4-Methylphenol	ND	0.17
Naphthalene	ND	0.033
2-Nitroaniline	ND	0.17
3-Nitroaniline	ND	0.17
4-Nitroaniline	ND	0.17
2-Nitrophenol	ND	0.17
4-Nitrophenol	ND	0.33
Nitrobenzene	ND	0.033
N-Nitrosodi-n-propylamine	ND	0.033
N-Nitrosodimethylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
2, 2'-oxybis(1-Chloropropane)	ND	0.17
Pentachlorophenol	ND	0.067
Phenanthrene	ND	0.033
Phenol	ND	0.17
Pyrene	ND	0.033
Pyridine	ND	0.67
1,2,4-Trichlorobenzene	ND	0.17

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102399

Sample ID: MB-102399-SVOC	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/Kg	TestNo: SW8270C	Prep Date: 8/9/2017	Analysis Date: 8/10/2017	Run ID: SVOC-7_170810B	SeqNo: 3736936				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-Trichlorophenol

ND

0.17

2,4,6-Trichlorophenol

ND

0.17

Sample ID: LCS-102399-SVOC	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW8270C	Prep Date: 8/9/2017	Analysis Date: 8/10/2017	Run ID: SVOC-7_170810B				SeqNo: 3736938	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.408

0.033

1.667

0

84.5

37

134

0

0

4-Chloro-3-methylphenol

3.061

0.33

3.333

0

91.8

29

134

0

0

2-Chlorophenol

2.615

0.17

3.333

0

78.5

29

105

0

0

1,4-Dichlorobenzene

1.237

0.17

1.667

0

74.2

26

111

0

0

2,4-Dinitrotoluene

1.469

0.033

1.667

0

88.1

46

125

0

0

4-Nitrophenol

3.515

0.33

3.333

0

105

12

146

0

0

N-Nitrosodi-n-propylamine

1.279

0.033

1.667

0

76.7

29

109

0

0

Pentachlorophenol

3.61

0.067

3.333

0

108

10

192

0

0

Phenol

2.68

0.17

3.333

0

80.4

27

104

0

0

Pyrene

1.499

0.033

1.667

0

89.9

42

148

0

0

1,2,4-Trichlorobenzene

1.265

0.17

1.667

0

75.9

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080266-001BMS	2531V-13-01 (0-5)	MS	mg/Kg-dry	SW8270C	8/9/2017	8/11/2017		SVOC-8_170811A		3740108		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.504

0.039

1.972

0

76.3

24

139

0

0

4-Chloro-3-methylphenol

3.23

0.39

3.943

0

81.9

28

121

0

0

2-Chlorophenol

3.042

0.20

3.943

0

77.2

21

102

0

0

1,4-Dichlorobenzene

1.415

0.20

1.972

0

71.7

27

95

0

0

2,4-Dinitrotoluene

1.662

0.039

1.972

0

84.3

32

127

0

0

4-Nitrophenol

3.816

0.39

3.943

0

96.8

10

156

0

0

N-Nitrosodi-n-propylamine

1.53

0.039

1.972

0

77.6

16

122

0

0

Pentachlorophenol

3.581

0.079

3.943

0

90.8

10

204

0

0

Phenol

3.168

0.20

3.943

0

80.3

20

103

0

0

Pyrene

1.708

0.039

1.972

0

86.6

10

184

0

0

1,2,4-Trichlorobenzene

1.547

0.20

1.972

0

78.5

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080266-001BMSD	2531V-13-01 (0-5)	MSD	mg/Kg-dry	SW8270C	8/9/2017	8/11/2017		SVOC-8_170811A		3740109		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.514

0.039

1.973

0

76.8

24

139

1.504

0.687

57

4-Chloro-3-methylphenol

3.237

0.39

3.944

0

82.1

28

121

3.23

0.216

88

2-Chlorophenol

2.762

0.20

3.944

0

70

21

102

3.042

9.67

49

1,4-Dichlorobenzene

1.233

0.20

1.973

0

62.5

27

95

1.415

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT
GCMS Semivolatiles
BatchID: 102407

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-102407-SVOC			0.03	0	0	1	33.333	8/9/2017	8/9/2017
LCS-102407-SVOC			0.03	0	0	1	33.333	8/9/2017	8/9/2017
17080266-021B	Soil		0.03035	0	0	1	32.949	8/9/2017	8/9/2017
17080266-022B	Soil		0.03046	0	0	1	32.830	8/9/2017	8/9/2017
17080266-023B	Soil		0.03026	0	0	1	33.047	8/9/2017	8/9/2017
17080266-024B	Soil		0.03042	0	0	1	32.873	8/9/2017	8/9/2017
17080266-025B	Soil		0.03028	0	0	1	33.025	8/9/2017	8/9/2017
17080266-026B	Soil		0.03	0	0	1	33.333	8/9/2017	8/9/2017
17080266-027B	Soil		0.03027	0	0	1	33.036	8/9/2017	8/9/2017
17080266-028B	Soil		0.03029	0	0	1	33.014	8/9/2017	8/9/2017
17080266-029B	Soil		0.03047	0	0	1	32.819	8/9/2017	8/9/2017
17080266-030B	Soil		0.03039	0	0	1	32.906	8/9/2017	8/9/2017
17080266-031B	Soil		0.03021	0	0	1	33.102	8/9/2017	8/9/2017
17080266-032B	Soil		0.03019	0	0	1	33.124	8/9/2017	8/9/2017
17080266-033B	Soil		0.03051	0	0	1	32.776	8/9/2017	8/9/2017
17080266-034B	Soil		0.03026	0	0	1	33.047	8/9/2017	8/9/2017
17080266-035B	Soil		0.03047	0	0	1	32.819	8/9/2017	8/9/2017
17080266-036B	Soil		0.03003	0	0	1	33.300	8/9/2017	8/9/2017
17080266-037B	Soil		0.03016	0	0	1	33.156	8/9/2017	8/9/2017
17080266-038B	Soil		0.03059	0	0	1	32.690	8/9/2017	8/9/2017
17080266-039B	Soil		0.03018	0	0	1	33.135	8/9/2017	8/9/2017
17080266-040B	Soil		0.03037	0	0	1	32.927	8/9/2017	8/9/2017
17080266-021BMS	Soil		0.03034	0	0	1	32.960	8/9/2017	8/9/2017
17080266-021BMSD	Soil		0.03034	0	0	1	32.960	8/9/2017	8/9/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102407-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/9/2017	8/11/2017	SVOC-7_170811A				3740274	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene		ND	0.033									
Acenaphthylene		ND	0.033									
Aniline		ND	0.33									
Anthracene		ND	0.033									
Benz(a)anthracene		ND	0.033									
Benzidine		ND	0.33									
Benzo(a)pyrene		ND	0.033									
Benzo(b)fluoranthene		ND	0.033									
Benzo(g,h,i)perylene		ND	0.033									
Benzo(k)fluoranthene		ND	0.033									
Benzoic acid		ND	0.83									
Benzyl alcohol		ND	0.17									
Bis(2-chloroethoxy)methane		ND	0.17									
Bis(2-chloroethyl)ether		ND	0.17									
Bis(2-ethylhexyl)phthalate		ND	0.83									
4-Bromophenyl phenyl ether		ND	0.17									
Butyl benzyl phthalate		ND	0.17									
Carbazole		ND	0.17									
4-Chloroaniline		ND	0.17									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102407

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102407-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/9/2017	8/11/2017	SVOC-7_170811A				3740274	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33
2-Chloronaphthalene	ND	0.17
2-Chlorophenol	ND	0.17
4-Chlorophenyl phenyl ether	ND	0.17
Chrysene	ND	0.033
Dibenz(a,h)anthracene	ND	0.033
Dibenzofuran	ND	0.17
1,2-Dichlorobenzene	ND	0.17
1,3-Dichlorobenzene	ND	0.17
1,4-Dichlorobenzene	ND	0.17
3,3'-Dichlorobenzidine	ND	0.17
2,4-Dichlorophenol	ND	0.17
Diethyl phthalate	ND	0.17
2,4-Dimethylphenol	ND	0.17
Dimethyl phthalate	ND	0.17
4,6-Dinitro-2-methylphenol	ND	0.33
2,4-Dinitrophenol	ND	0.83
2,4-Dinitrotoluene	ND	0.033
2,6-Dinitrotoluene	ND	0.033
Di-n-butyl phthalate	ND	0.17
Di-n-octyl phthalate	ND	0.17
Fluoranthene	ND	0.033
Fluorene	ND	0.033
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.17
Hexachloroethane	ND	0.17
Indeno(1,2,3-cd)pyrene	ND	0.033
Isophorone	ND	0.17
2-Methylnaphthalene	ND	0.17
2-Methylphenol	ND	0.17
4-Methylphenol	ND	0.17
Naphthalene	ND	0.033
2-Nitroaniline	ND	0.17
3-Nitroaniline	ND	0.17
4-Nitroaniline	ND	0.17
2-Nitrophenol	ND	0.17
4-Nitrophenol	ND	0.33
Nitrobenzene	ND	0.033
N-Nitrosodi-n-propylamine	ND	0.033
N-Nitrosodimethylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
2, 2'-oxybis(1-Chloropropane)	ND	0.17
Pentachlorophenol	ND	0.067
Phenanthrene	ND	0.033
Phenol	ND	0.17
Pyrene	ND	0.033
Pyridine	ND	0.67
1,2,4-Trichlorobenzene	ND	0.17

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102407

Sample ID: MB-102407-SVOC	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/Kg	TestNo: SW8270C	Prep Date: 8/9/2017	Analysis Date: 8/11/2017	Run ID: SVOC-7_170811A			SeqNo: 3740274		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-Trichlorophenol

ND

0.17

2,4,6-Trichlorophenol

ND

0.17

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
LCS-102407-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	8/9/2017	8/11/2017		SVOC-7_170811A		3740275		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.289

0.033

1.667

0

77.3

37

134

0

0

4-Chloro-3-methylphenol

2.873

0.33

3.333

0

86.2

29

134

0

0

2-Chlorophenol

2.487

0.17

3.333

0

74.6

29

105

0

0

1,4-Dichlorobenzene

1.151

0.17

1.667

0

69

26

111

0

0

2,4-Dinitrotoluene

1.205

0.033

1.667

0

72.3

46

125

0

0

4-Nitrophenol

2.815

0.33

3.333

0

84.5

12

146

0

0

N-Nitrosodi-n-propylamine

1.223

0.033

1.667

0

73.4

29

109

0

0

Pentachlorophenol

3.182

0.067

3.333

0

95.5

10

192

0

0

Phenol

2.5

0.17

3.333

0

75

27

104

0

0

Pyrene

1.291

0.033

1.667

0

77.4

42

148

0

0

1,2,4-Trichlorobenzene

1.252

0.17

1.667

0

75.1

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080266-021BMS	2531V-18-04 (0-5)	MS	mg/Kg-dry	SW8270C	8/9/2017	8/13/2017	SVOC-7_170812A			3740565		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.582

0.036

1.823

0

86.8

24

139

0

0

4-Chloro-3-methylphenol

3.583

0.36

3.644

0

98.3

28

121

0

0

2-Chlorophenol

2.823

0.19

3.644

0

77.5

21

102

0

0

1,4-Dichlorobenzene

1.35

0.19

1.823

0

74.1

27

95

0

0

2,4-Dinitrotoluene

1.781

0.036

1.823

0

97.7

32

127

0

0

4-Nitrophenol

3.988

0.36

3.644

0

109

10

156

0

0

N-Nitrosodi-n-propylamine

1.447

0.036

1.823

0

79.4

16

122

0

0

Pentachlorophenol

4.473

0.073

3.644

0

123

10

204

0

0

E

Phenol

2.984

0.19

3.644

0

81.9

20

103

0

0

Pyrene

1.638

0.036

1.823

0

89.9

10

184

0

0

1,2,4-Trichlorobenzene

1.457

0.19

1.823

0

80

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-021BMSD	2531V-18-04 (0-5)	MSD	mg/Kg-dry	SW8270C	8/9/2017	8/13/2017	SVOC-7_170812A				3740566	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.536

0.036

1.823

0

84.3

24

139

1.582

2.92

57

4-Chloro-3-methylphenol

3.486

0.36

3.644

0

95.7

28

121

3.583

2.74

88

2-Chlorophenol

2.807

0.19

3.644

0

77

21

102

2.823

0.557

49

1,4-Dichlorobenzene

1.315

0.19

1.823

0

72.1

27

95

1.35

2.68

43

2,4-Dinitrotoluene

1.803

0.036

1.823

0

98.9

32

127

1.781

1.24

37

4-Nitrophenol

3.989

0.36

3.644

0

109

10

156

3.988

0.0274

56

N-Nitrosodi-n-propylamine

1.385

0.036

1.823

0

76

16

122

1.447

4.43

47

Pentachlorophenol

4.567

0.073

3.644

0

125

10

204

4.473

2.07

47

E

Phenol

2.856

0.19

3.644

0

78.4

20

103

2.984

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT
GCMS Semivolatiles
BatchID: 102423

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-102423-SVOC			0.03	0	0	1	33.333	8/10/2017	8/10/2017
LCS-102423-SVOC			0.03	0	0	1	33.333	8/10/2017	8/10/2017
17080266-041B	Soil		0.0301	0	0	1	33.223	8/10/2017	8/10/2017
17080266-042B	Soil		0.03034	0	0	1	32.960	8/10/2017	8/10/2017
17080266-043B	Soil		0.03007	0	0	1	33.256	8/10/2017	8/10/2017
17080266-044B	Soil		0.03016	0	0	1	33.156	8/10/2017	8/10/2017
17080266-045B	Soil		0.03018	0	0	1	33.135	8/10/2017	8/10/2017
17080266-046B	Soil		0.0301	0	0	1	33.223	8/10/2017	8/10/2017
17080266-047B	Soil		0.03001	0	0	1	33.322	8/10/2017	8/10/2017
17080266-048B	Soil		0.03046	0	0	1	32.830	8/10/2017	8/10/2017
17080266-049B	Soil		0.03014	0	0	1	33.179	8/10/2017	8/10/2017
17080266-050B	Soil		0.03028	0	0	1	33.025	8/10/2017	8/10/2017
17080266-051B	Soil		0.03022	0	0	1	33.091	8/10/2017	8/10/2017
17080266-052B	Soil		0.03029	0	0	1	33.014	8/10/2017	8/10/2017
17080266-053B	Soil		0.03016	0	0	1	33.156	8/10/2017	8/10/2017
17080266-054B	Soil		0.03027	0	0	1	33.036	8/10/2017	8/10/2017
17080286-001B	Soil		0.03028	0	0	1	33.025	8/10/2017	8/10/2017
17080286-002B	Soil		0.03066	0	0	1	32.616	8/10/2017	8/10/2017
17080286-003B	Soil		0.03059	0	0	1	32.690	8/10/2017	8/10/2017
17080286-004B	Soil		0.03008	0	0	1	33.245	8/10/2017	8/10/2017
17080286-005B	Soil		0.03008	0	0	1	33.245	8/10/2017	8/10/2017
17080286-006B	Soil		0.03036	0	0	1	32.938	8/10/2017	8/10/2017
17080266-053BMS	Soil		0.03016	0	0	1	33.156	8/10/2017	8/10/2017
17080266-053BMSD	Soil		0.03016	0	0	1	33.156	8/10/2017	8/10/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102423-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/10/2017	8/13/2017	SVOC-7_170812A				3740558	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene		ND	0.033									
Acenaphthylene		ND	0.033									
Aniline		ND	0.33									
Anthracene		ND	0.033									
Benz(a)anthracene		ND	0.033									
Benzidine		ND	0.33									
Benzo(a)pyrene		ND	0.033									
Benzo(b)fluoranthene		ND	0.033									
Benzo(g,h,i)perylene		ND	0.033									
Benzo(k)fluoranthene		ND	0.033									
Benzoic acid		ND	0.83									
Benzyl alcohol		ND	0.17									
Bis(2-chloroethoxy)methane		ND	0.17									
Bis(2-chloroethyl)ether		ND	0.17									
Bis(2-ethylhexyl)phthalate		ND	0.83									
4-Bromophenyl phenyl ether		ND	0.17									
Butyl benzyl phthalate		ND	0.17									
Carbazole		ND	0.17									
4-Chloroaniline		ND	0.17									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102423

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
MB-102423-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/10/2017	8/13/2017	SVOC-7_170812A			3740558		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33
2-Chloronaphthalene	ND	0.17
2-Chlorophenol	ND	0.17
4-Chlorophenyl phenyl ether	ND	0.17
Chrysene	ND	0.033
Dibenz(a,h)anthracene	ND	0.033
Dibenzofuran	ND	0.17
1,2-Dichlorobenzene	ND	0.17
1,3-Dichlorobenzene	ND	0.17
1,4-Dichlorobenzene	ND	0.17
3,3'-Dichlorobenzidine	ND	0.17
2,4-Dichlorophenol	ND	0.17
Diethyl phthalate	ND	0.17
2,4-Dimethylphenol	ND	0.17
Dimethyl phthalate	ND	0.17
4,6-Dinitro-2-methylphenol	ND	0.33
2,4-Dinitrophenol	ND	0.83
2,4-Dinitrotoluene	ND	0.033
2,6-Dinitrotoluene	ND	0.033
Di-n-butyl phthalate	ND	0.17
Di-n-octyl phthalate	ND	0.17
Fluoranthene	ND	0.033
Fluorene	ND	0.033
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.17
Hexachloroethane	ND	0.17
Indeno(1,2,3-cd)pyrene	ND	0.033
Isophorone	ND	0.17
2-Methylnaphthalene	ND	0.17
2-Methylphenol	ND	0.17
4-Methylphenol	ND	0.17
Naphthalene	ND	0.033
2-Nitroaniline	ND	0.17
3-Nitroaniline	ND	0.17
4-Nitroaniline	ND	0.17
2-Nitrophenol	ND	0.17
4-Nitrophenol	ND	0.33
Nitrobenzene	ND	0.033
N-Nitrosodi-n-propylamine	ND	0.033
N-Nitrosodimethylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
2, 2'-oxybis(1-Chloropropane)	ND	0.17
Pentachlorophenol	ND	0.067
Phenanthrene	ND	0.033
Phenol	ND	0.17
Pyrene	ND	0.033
Pyridine	ND	0.67
1,2,4-Trichlorobenzene	ND	0.17

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102423

Sample ID: MB-102423-SVOC	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/Kg	TestNo: SW8270C	Prep Date: 8/10/2017	Analysis Date: 8/13/2017	Run ID: SVOC-7_170812A			SeqNo: 3740558		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-Trichlorophenol

ND

0.17

2,4,6-Trichlorophenol

ND

0.17

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
LCS-102423-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	8/10/2017	8/13/2017	SVOC-7_170812A				3740560	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.646

0.033

1.667

0

98.8

37

134

0

0

4-Chloro-3-methylphenol

3.677

0.33

3.333

0

110

29

134

0

0

2-Chlorophenol

3.401

0.17

3.333

0

102

29

105

0

0

1,4-Dichlorobenzene

1.613

0.17

1.667

0

96.7

26

111

0

0

2,4-Dinitrotoluene

1.785

0.033

1.667

0

107

46

125

0

0

4-Nitrophenol

3.831

0.33

3.333

0

115

12

146

0

0

N-Nitrosodi-n-propylamine

1.581

0.033

1.667

0

94.8

29

109

0

0

Pentachlorophenol

4.412

0.067

3.333

0

132

10

192

0

0

E

Phenol

3.341

0.17

3.333

0

100

27

104

0

0

Pyrene

1.662

0.033

1.667

0

99.7

42

148

0

0

1,2,4-Trichlorobenzene

1.699

0.17

1.667

0

102

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080266-053BMS	2531V-DUP-08	MS	mg/Kg-dry	SW8270C	8/10/2017	8/13/2017	SVOC-7_170812A			3740600		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.769

0.039

1.965

0

90

24

139

0

0

4-Chloro-3-methylphenol

3.935

0.39

3.928

0

100

28

121

0

0

2-Chlorophenol

3.414

0.20

3.928

0

86.9

21

102

0

0

1,4-Dichlorobenzene

1.606

0.20

1.965

0

81.8

27

95

0

0

2,4-Dinitrotoluene

1.932

0.039

1.965

0

98.4

32

127

0

0

4-Nitrophenol

4.255

0.39

3.928

0

108

10

156

0

0

N-Nitrosodi-n-propylamine

1.685

0.039

1.965

0

85.8

16

122

0

0

Pentachlorophenol

4.79

0.079

3.928

0

122

10

204

0

0

E

Phenol

3.436

0.20

3.928

0

87.5

20

103

0

0

Pyrene

1.734

0.039

1.965

0

88.3

10

184

0

0

1,2,4-Trichlorobenzene

1.7

0.20

1.965

0

86.5

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080266-053BMSD	2531V-DUP-08	MSD	mg/Kg-dry	SW8270C	8/10/2017	8/13/2017	SVOC-7_170812A			3740638		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.705

0.039

1.965

0

86.8

24

139

1.769

3.64

57

4-Chloro-3-methylphenol

4.05

0.39

3.928

0

103

28

121

3.935

2.88

88

2-Chlorophenol

3.486

0.20

3.928

0

88.7

21

102

3.414

2.07

49

1,4-Dichlorobenzene

1.617

0.20

1.965

0

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102415

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS4 8/9/17			1.2	0	0	50	41.667	8/9/2017	8/9/2017
ILCSS4 8/9/17			1.2	0	0	50	41.667	8/9/2017	8/9/2017
17080266-012B	Soil		1.175	0	0	50	42.553	8/9/2017	8/9/2017
17080266-012BMS	Soil		1.177	0	0	50	42.481	8/9/2017	8/9/2017
17080266-012BMSD	Soil		1.175	0	0	50	42.553	8/9/2017	8/9/2017
17080266-001B	Soil		1.193	0	0	50	41.911	8/9/2017	8/9/2017
17080266-002B	Soil		1.153	0	0	50	43.365	8/9/2017	8/9/2017
17080266-003B	Soil		1.13	0	0	50	44.248	8/9/2017	8/9/2017
17080266-004B	Soil		1.175	0	0	50	42.553	8/9/2017	8/9/2017
17080266-005B	Soil		1.195	0	0	50	41.841	8/9/2017	8/9/2017
17080266-006B	Soil		1.136	0	0	50	44.014	8/9/2017	8/9/2017
17080266-007B	Soil		1.153	0	0	50	43.365	8/9/2017	8/9/2017
17080266-008B	Soil		1.189	0	0	50	42.052	8/9/2017	8/9/2017
17080266-009B	Soil		1.11	0	0	50	45.045	8/9/2017	8/9/2017
17080266-010B	Soil		1.133	0	0	50	44.131	8/9/2017	8/9/2017
17080266-011B	Soil		1.164	0	0	50	42.955	8/9/2017	8/9/2017
17080266-013B	Soil		1.175	0	0	50	42.553	8/9/2017	8/9/2017
17080266-014B	Soil		1.105	0	0	50	45.249	8/9/2017	8/9/2017
17080266-015B	Soil		1.177	0	0	50	42.481	8/9/2017	8/9/2017
17080266-016B	Soil		1.174	0	0	50	42.589	8/9/2017	8/9/2017
17080266-017B	Soil		1.184	0	0	50	42.230	8/9/2017	8/9/2017
17080266-018B	Soil		1.145	0	0	50	43.668	8/9/2017	8/9/2017
17080266-019B	Soil		1.196	0	0	50	41.806	8/9/2017	8/9/2017
17080266-020B	Soil		1.142	0	0	50	43.783	8/9/2017	8/9/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBS4 8/9/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/9/2017	8/11/2017	ICPMS-3_170811A				3738115	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		2.288	8.3									J
Antimony		ND	0.83									
Arsenic		ND	0.42									
Barium		ND	0.42									
Beryllium		ND	0.21									
Cadmium		ND	0.21									
Calcium		7.423	25									J
Chromium		ND	0.42									
Cobalt		ND	0.42									
Copper		ND	1.0									
Iron		ND	12									
Lead		ND	0.21									
Magnesium		3.323	12									J
Manganese		ND	0.42									
Nickel		ND	0.42									
Potassium		ND	12									
Selenium		ND	0.42									
Silver		ND	0.42									
Sodium		ND	25									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102415

Sample ID: IMBS4 8/9/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/Kg	TestNo: SW6020	Prep Date: 8/9/2017	Analysis Date: 8/11/2017	Run ID: ICPMS-3_170811A				SeqNo: 3738115	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Thallium	ND	0.42
Vanadium	ND	0.42
Zinc	ND	2.1

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
ILCSS4 8/9/17	ZZZZZ	LCS	mg/Kg	SW6020	8/9/2017	8/11/2017		ICPMS-3_170811A			3738116	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	9.891	0.83	10.42	0	95	80	120	0	0
Arsenic	20.4	0.42	20.83	0	97.9	80	120	0	0
Barium	19.65	0.42	20.83	0	94.3	80	120	0	0
Beryllium	19.26	0.21	20.83	0	92.4	80	120	0	0
Cadmium	20.4	0.21	20.83	0	97.9	80	120	0	0
Chromium	22.11	0.42	20.83	0	106	80	120	0	0
Cobalt	22.41	0.42	20.83	0	108	80	120	0	0
Copper	22.33	1.0	20.83	0	107	80	120	0	0
Lead	20.68	0.21	20.83	0	99.3	80	120	0	0
Manganese	22.05	0.42	20.83	0	106	80	120	0	0
Nickel	22.4	0.42	20.83	0	108	80	120	0	0
Potassium	88.38	12	83.33	0	106	80	120	0	0
Selenium	19.72	0.42	20.83	0	94.7	80	120	0	0
Silver	8.232	0.42	8.333	0	98.8	80	120	0	0
Sodium	92.2	25	83.33	0	111	80	120	0	0
Thallium	20.19	0.42	20.83	0	96.9	80	120	0	0
Vanadium	21.49	0.42	20.83	0	103	80	120	0	0
Zinc	21.05	2.1	20.83	0	101	80	120	0	0

Sample ID: ILCSS4 8/9/17	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW6020	Prep Date: 8/9/2017	Analysis Date: 8/14/2017		Run ID: ICPMS-3_170814B			SeqNo: 3741160	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum	23.18	8.3	20.83	2.288	100	80	120	0	0
Calcium	95.95	25	83.33	7.423	106	80	120	0	0
Iron	93.39	12	83.33	0	112	80	120	0	0
Magnesium	98.66	12	83.33	3.323	114	80	120	0	0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080266-012BMS	2531V-16-02 (5-9)	MS	mg/Kg-dry	SW6020	8/9/2017	8/11/2017		ICPMS-3_170811A		3738122		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum	11970	21	26.58	10800	4420	75	125	0	0		S
Antimony	3.907	2.1	13.29	0	29.4	75	125	0	0		S
Arsenic	34.68	1.1	26.58	9.253	95.6	75	125	0	0		
Barium	140.9	1.1	26.58	105.8	132	75	125	0	0		S
Beryllium	27.72	0.53	26.58	0.6411	102	75	125	0	0		
Cadmium	26.17	0.53	26.58	0.3336	97.2	75	125	0	0		
Calcium	47390	64	106.3	46760	593	75	125	0	0		S
Chromium	48.66	1.1	26.58	19.89	108	75	125	0	0		
Cobalt	39.05	1.1	26.58	10.08	109	75	125	0	0		
Copper	51.54	2.7	26.58	24.61	101	75	125	0	0		
Iron	24130	32	106.3	23390	695	75	125	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102415

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080266-012BMS	2531V-16-02 (5-9)	MS	mg/Kg-dry	SW6020	8/9/2017	8/11/2017	ICPMS-3_170811A			3738122		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead	42.29	0.53	26.58	14.71	104	75	125	0	0			
Magnesium	27380	32	106.3	27020	337	75	125	0	0			S
Manganese	819.2	1.1	26.58	663.8	584	75	125	0	0			S
Nickel	58.04	1.1	26.58	28.72	110	75	125	0	0			
Potassium	2111	32	106.3	1778	313	75	125	0	0			S
Selenium	24.49	1.1	26.58	0	92.1	75	125	0	0			
Silver	10.2	1.1	10.63	0.05052	95.4	75	125	0	0			
Sodium	1970	64	106.3	1850	113	75	125	0	0			
Thallium	26.84	1.1	26.58	0.4517	99.3	75	125	0	0			
Vanadium	62.45	1.1	26.58	33.04	111	75	125	0	0			
Zinc	93.78	5.3	26.58	67.51	98.8	75	125	0	0			

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080266-012BMSD	2531V-16-02 (5-9)	MSD	mg/Kg-dry	SW6020	8/9/2017	8/11/2017	ICPMS-3_170811A			3738123		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum	12420	21	26.63	10800	6090	75	125	11970	3.67	20	S
Antimony	4.329	2.1	13.31	0	32.5	75	125	3.907	10.3	20	S
Arsenic	35.42	1.1	26.63	9.253	98.3	75	125	34.68	2.11	20	
Barium	142.8	1.1	26.63	105.8	139	75	125	140.9	1.36	20	S
Beryllium	28.76	0.53	26.63	0.6411	106	75	125	27.72	3.71	20	
Cadmium	27.02	0.53	26.63	0.3336	100	75	125	26.17	3.19	20	
Calcium	49590	64	106.5	46760	2650	75	125	47390	4.53	20	S
Chromium	50.91	1.1	26.63	19.89	117	75	125	48.66	4.52	20	
Cobalt	39.32	1.1	26.63	10.08	110	75	125	39.05	0.697	20	
Copper	53.5	2.7	26.63	24.61	108	75	125	51.54	3.72	20	
Iron	24670	32	106.5	23390	1200	75	125	24130	2.21	20	S
Lead	43.3	0.53	26.63	14.71	107	75	125	42.29	2.38	20	
Magnesium	28650	32	106.5	27020	1530	75	125	27380	4.52	20	S
Manganese	826.3	1.1	26.63	663.8	610	75	125	819.2	0.871	20	S
Nickel	60.36	1.1	26.63	28.72	119	75	125	58.04	3.92	20	
Potassium	2173	32	106.5	1778	372	75	125	2111	2.92	20	S
Selenium	25.87	1.1	26.63	0	97.1	75	125	24.49	5.46	20	
Silver	10.54	1.1	10.65	0.05052	98.5	75	125	10.2	3.31	20	
Sodium	2047	64	106.5	1850	184	75	125	1970	3.81	20	S
Thallium	27.93	1.1	26.63	0.4517	103	75	125	26.84	3.98	20	
Vanadium	64.87	1.1	26.63	33.04	120	75	125	62.45	3.80	20	
Zinc	96.19	5.3	26.63	67.51	108	75	125	93.78	2.54	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102416

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS5 8/9/17			1.2	0	0	50	41.667	8/9/2017	8/9/2017
ILCSS5 8/9/17			1.2	0	0	50	41.667	8/9/2017	8/9/2017
17080266-036B	Soil		1.192	0	0	50	41.946	8/9/2017	8/9/2017
17080266-036BMS	Soil		1.188	0	0	50	42.088	8/9/2017	8/9/2017
17080266-036BMSD	Soil		1.184	0	0	50	42.230	8/9/2017	8/9/2017
17080266-021B	Soil		1.142	0	0	50	43.783	8/9/2017	8/9/2017
17080266-022B	Soil		1.175	0	0	50	42.553	8/9/2017	8/9/2017
17080266-023B	Soil		1.121	0	0	50	44.603	8/9/2017	8/9/2017
17080266-024B	Soil		1.154	0	0	50	43.328	8/9/2017	8/9/2017
17080266-025B	Soil		1.133	0	0	50	44.131	8/9/2017	8/9/2017
17080266-026B	Soil		1.13	0	0	50	44.248	8/9/2017	8/9/2017
17080266-027B	Soil		1.178	0	0	50	42.445	8/9/2017	8/9/2017
17080266-028B	Soil		1.183	0	0	50	42.265	8/9/2017	8/9/2017
17080266-029B	Soil		1.157	0	0	50	43.215	8/9/2017	8/9/2017
17080266-030B	Soil		1.194	0	0	50	41.876	8/9/2017	8/9/2017
17080266-031B	Soil		1.109	0	0	50	45.086	8/9/2017	8/9/2017
17080266-032B	Soil		1.194	0	0	50	41.876	8/9/2017	8/9/2017
17080266-033B	Soil		1.136	0	0	50	44.014	8/9/2017	8/9/2017
17080266-034B	Soil		1.186	0	0	50	42.159	8/9/2017	8/9/2017
17080266-035B	Soil		1.154	0	0	50	43.328	8/9/2017	8/9/2017
17080266-037B	Soil		1.192	0	0	50	41.946	8/9/2017	8/9/2017
17080266-038B	Soil		1.153	0	0	50	43.365	8/9/2017	8/9/2017
17080266-039B	Soil		1.139	0	0	50	43.898	8/9/2017	8/9/2017
17080266-040B	Soil		1.174	0	0	50	42.589	8/9/2017	8/9/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBS5 8/9/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/9/2017	8/11/2017	ICPMS-3_170811A				3738270	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		0.5521	8.3									J
Antimony		ND	0.83									
Arsenic		ND	0.42									
Barium		ND	0.42									
Beryllium		ND	0.21									
Cadmium		ND	0.21									
Calcium		ND	25									
Chromium		ND	0.42									
Cobalt		ND	0.42									
Copper		ND	1.0									
Iron		ND	12									
Lead		ND	0.21									
Magnesium		ND	12									
Manganese		ND	0.42									
Nickel		ND	0.42									
Potassium		ND	12									
Selenium		ND	0.42									
Silver		ND	0.42									
Sodium		ND	25									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
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CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102416

Sample ID: IMBS5 8/9/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/Kg	TestNo: SW6020	Prep Date: 8/9/2017	Analysis Date: 8/11/2017	Run ID: ICPMS-3_170811A			SeqNo: 3738270		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Thallium ND 0.42

Vanadium ND 0.42

Zinc ND 2.1

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
ILCSS5 8/9/17	ZZZZZ	LCS	mg/Kg	SW6020	8/9/2017	8/11/2017		ICPMS-3_170811A		3738271		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum 19.52 8.3 20.83 0.5521 91.1 80 120 0 0

Antimony 9.896 0.83 10.42 0 95 80 120 0 0

Arsenic 20 0.42 20.83 0 96 80 120 0 0

Barium 19.85 0.42 20.83 0 95.3 80 120 0 0

Beryllium 18.84 0.21 20.83 0 90.5 80 120 0 0

Cadmium 19.37 0.21 20.83 0 93 80 120 0 0

Calcium 85.67 25 83.33 0 103 80 120 0 0

Chromium 21.36 0.42 20.83 0 103 80 120 0 0

Cobalt 21.66 0.42 20.83 0 104 80 120 0 0

Copper 21.64 1.0 20.83 0 104 80 120 0 0

Iron 88.15 12 83.33 0 106 80 120 0 0

Lead 20.53 0.21 20.83 0 98.6 80 120 0 0

Magnesium 80.33 12 83.33 0 96.4 80 120 0 0

Manganese 20.79 0.42 20.83 0 99.8 80 120 0 0

Nickel 21.38 0.42 20.83 0 103 80 120 0 0

Potassium 84.27 12 83.33 0 101 80 120 0 0

Selenium 19.9 0.42 20.83 0 95.5 80 120 0 0

Silver 8.174 0.42 8.333 0 98.1 80 120 0 0

Sodium 82.98 25 83.33 0 99.6 80 120 0 0

Thallium 20.13 0.42 20.83 0 96.6 80 120 0 0

Vanadium 20.72 0.42 20.83 0 99.4 80 120 0 0

Zinc 20.36 2.1 20.83 0 97.7 80 120 0 0

Sample ID: 17080266-036BMS	Customer ID: 2531V-33-03 (0-1)	SampType: MS	Units: mg/Kg-dry	TestNo: SW6020	Prep Date: 8/9/2017	Analysis Date: 8/12/2017	Run ID: ICPMS-3_170811A				SeqNo: 3738277	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum 12900 20 24.44 12830 323 75 125 0 0 S

Antimony 1.367 2.0 12.22 0 11.2 75 125 0 0 JS

Arsenic 36.97 0.98 24.44 11.2 105 75 125 0 0

Barium 119.5 0.98 24.44 97.86 88.6 75 125 0 0

Beryllium 26.16 0.49 24.44 0.7299 104 75 125 0 0

Cadmium 25.04 0.49 24.44 0.2796 101 75 125 0 0

Calcium 34520 59 97.76 31030 3570 75 125 0 0 S

Chromium 48.07 0.98 24.44 21.11 110 75 125 0 0

Cobalt 39.73 0.98 24.44 13.07 109 75 125 0 0

Copper 55.07 2.4 24.44 27.94 111 75 125 0 0

Iron 27840 29 97.76 27290 565 75 125 0 0 S

Lead 60.91 0.49 24.44 32.81 115 75 125 0 0

Magnesium 19790 29 97.76 17730 2110 75 125 0 0 S

Manganese 839.6 0.98 24.44 780.1 244 75 125 0 0 S

Nickel 53.82 0.98 24.44 28.33 104 75 125 0 0

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102416

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080266-036BMS	2531V-33-03 (0-1)	MS	mg/Kg-dry	SW6020	8/9/2017	8/12/2017	ICPMS-3_170811A			3738277		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Potassium	1603	29	97.76	1509	96.7	75	125	0	0			
Selenium	24.24	0.98	24.44	0.6114	96.7	75	125	0	0			
Silver	9.734	0.98	9.776	0.06064	98.9	75	125	0	0			
Sodium	1801	59	97.76	1682	121	75	125	0	0			
Thallium	25.83	0.98	24.44	0.4498	104	75	125	0	0			
Vanadium	56.1	0.98	24.44	30.03	107	75	125	0	0			
Zinc	102.2	4.9	24.44	76.64	105	75	125	0	0			

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080266-036BMSD	2531V-33-03 (0-1)	MSD	mg/Kg-dry	SW6020	8/9/2017	8/12/2017	ICPMS-3_170811A			3738278		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum	12640	20	24.52	12830	-770	75	125	12900	2.10	20	S
Antimony	1.387	2.0	12.26	0	11.3	75	125	1.367	0	20	JS
Arsenic	35.81	0.98	24.52	11.2	100	75	125	36.97	3.18	20	
Barium	120.2	0.98	24.52	97.86	91.1	75	125	119.5	0.573	20	
Beryllium	25.97	0.49	24.52	0.7299	103	75	125	26.16	0.724	20	
Cadmium	24.83	0.49	24.52	0.2796	100	75	125	25.04	0.873	20	
Calcium	35160	59	98.09	31030	4210	75	125	34520	1.85	20	S
Chromium	48.05	0.98	24.52	21.11	110	75	125	48.07	0.0429	20	
Cobalt	39.26	0.98	24.52	13.07	107	75	125	39.73	1.19	20	
Copper	54.45	2.5	24.52	27.94	108	75	125	55.07	1.13	20	
Iron	28090	29	98.09	27290	813	75	125	27840	0.875	20	S
Lead	59.92	0.49	24.52	32.81	111	75	125	60.91	1.64	20	
Magnesium	20350	29	98.09	17730	2670	75	125	19790	2.76	20	S
Manganese	832	0.98	24.52	780.1	212	75	125	839.6	0.917	20	S
Nickel	53.39	0.98	24.52	28.33	102	75	125	53.82	0.792	20	
Potassium	1520	29	98.09	1509	11.6	75	125	1603	5.32	20	S
Selenium	23.76	0.98	24.52	0.6114	94.4	75	125	24.24	2.03	20	
Silver	9.627	0.98	9.809	0.06064	97.5	75	125	9.734	1.10	20	
Sodium	1798	59	98.09	1682	118	75	125	1801	0.162	20	
Thallium	25.66	0.98	24.52	0.4498	103	75	125	25.83	0.641	20	
Vanadium	55.48	0.98	24.52	30.03	104	75	125	56.1	1.12	20	
Zinc	102.2	4.9	24.52	76.64	104	75	125	102.2	0.0183	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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 * - Non Accredited Parameter H/HT - Holding Time Exceeded

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS6 8/9/17			1.2	0	0	50	41.667	8/9/2017	8/9/2017
ILCSS6 8/9/17			1.2	0	0	50	41.667	8/9/2017	8/9/2017
17080266-052B	Soil		1.157	0	0	50	43.215	8/9/2017	8/9/2017
17080266-052BMS	Soil		1.162	0	0	50	43.029	8/9/2017	8/9/2017
17080266-052BMSD	Soil		1.151	0	0	50	43.440	8/9/2017	8/9/2017
17080266-041B	Soil		1.144	0	0	50	43.706	8/9/2017	8/9/2017
17080266-042B	Soil		1.129	0	0	50	44.287	8/9/2017	8/9/2017
17080266-043B	Soil		1.177	0	0	50	42.481	8/9/2017	8/9/2017
17080266-044B	Soil		1.1	0	0	50	45.455	8/9/2017	8/9/2017
17080266-045B	Soil		1.174	0	0	50	42.589	8/9/2017	8/9/2017
17080266-046B	Soil		1.184	0	0	50	42.230	8/9/2017	8/9/2017
17080266-047B	Soil		1.181	0	0	50	42.337	8/9/2017	8/9/2017
17080266-048B	Soil		1.153	0	0	50	43.365	8/9/2017	8/9/2017
17080266-049B	Soil		1.186	0	0	50	42.159	8/9/2017	8/9/2017
17080266-050B	Soil		1.188	0	0	50	42.088	8/9/2017	8/9/2017
17080266-051B	Soil		1.159	0	0	50	43.141	8/9/2017	8/9/2017
17080266-053B	Soil		1.164	0	0	50	42.955	8/9/2017	8/9/2017
17080266-054B	Soil		1.153	0	0	50	43.365	8/9/2017	8/9/2017
17080286-041B	Soil		1.102	0	0	50	45.372	8/10/2017	8/10/2017
17080286-042B	Soil		1.107	0	0	50	45.167	8/10/2017	8/10/2017
17080286-043B	Soil		1.164	0	0	50	42.955	8/10/2017	8/10/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBS6 8/9/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/9/2017	8/12/2017	ICPMS-3_170812A				3739040	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		ND	8.3									
Antimony		ND	0.83									
Arsenic		ND	0.42									
Barium		ND	0.42									
Cadmium		ND	0.21									
Calcium		ND	25									
Chromium		ND	0.42									
Cobalt		ND	0.42									
Copper		ND	1.0									
Iron		ND	12									
Lead		ND	0.21									
Magnesium		ND	12									
Manganese		ND	0.42									
Nickel		ND	0.42									
Potassium		ND	12									
Selenium		ND	0.42									
Silver		ND	0.42									
Sodium		ND	25									
Thallium		ND	0.42									
Vanadium		ND	0.42									
Zinc		ND	2.1									

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102417

Sample ID: IMBS6 8/9/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/Kg	TestNo: SW6020	Prep Date: 8/9/2017	Analysis Date: 8/14/2017	Run ID: ICPMS-3_170814B			SeqNo: 3741164		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Beryllium	ND	0.21

Sample ID: ILCSS6 8/9/17	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW6020	Prep Date: 8/9/2017	Analysis Date: 8/12/2017		Run ID: ICPMS-3_170812A			SeqNo: 3739041	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum	21.63	8.3	20.83	0	104	80	120	0	0
Antimony	10.02	0.83	10.42	0	96.2	80	120	0	0
Arsenic	20.45	0.42	20.83	0	98.2	80	120	0	0
Barium	20.45	0.42	20.83	0	98.1	80	120	0	0
Cadmium	20.5	0.21	20.83	0	98.4	80	120	0	0
Calcium	94.34	25	83.33	0	113	80	120	0	0
Chromium	22.23	0.42	20.83	0	107	80	120	0	0
Cobalt	22.03	0.42	20.83	0	106	80	120	0	0
Copper	21.91	1.0	20.83	0	105	80	120	0	0
Iron	91.96	12	83.33	0	110	80	120	0	0
Lead	21.19	0.21	20.83	0	102	80	120	0	0
Magnesium	93.77	12	83.33	0	113	80	120	0	0
Manganese	21.7	0.42	20.83	0	104	80	120	0	0
Nickel	22.04	0.42	20.83	0	106	80	120	0	0
Potassium	91.9	12	83.33	0	110	80	120	0	0
Selenium	20.67	0.42	20.83	0	99.2	80	120	0	0
Silver	8.626	0.42	8.333	0	104	80	120	0	0
Sodium	94.93	25	83.33	0	114	80	120	0	0
Thallium	20.89	0.42	20.83	0	100	80	120	0	0
Vanadium	21.79	0.42	20.83	0	105	80	120	0	0
Zinc	20.96	2.1	20.83	0	101	80	120	0	0

Sample ID: ILCSS6 8/9/17	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW6020	Prep Date: 8/9/2017	Analysis Date: 8/14/2017		Run ID: ICPMS-3_170814B			SeqNo: 3741165	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Beryllium	24.62	0.21	20.83	0	118	80	120	0	0

Sample ID: 17080266-052BMS	Customer ID: 2531V-DUP-06	SampType: MS	Units: mg/Kg-dry	TestNo: SW6020	Prep Date: 8/9/2017	Analysis Date: 8/13/2017	Run ID: ICPMS-3_170813A			SeqNo: 3739262		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum	10620	20	24.93	10150	1860	75	125	0	0	S
Antimony	1.764	2.0	12.47	0	14.2	75	125	0	0	JS
Arsenic	33	1.0	24.93	9.391	94.7	75	125	0	0	
Barium	103.3	1.0	24.93	81	89.5	75	125	0	0	
Beryllium	26.58	0.50	24.93	0.5684	104	75	125	0	0	
Cadmium	24.53	0.50	24.93	0.2004	97.6	75	125	0	0	
Calcium	40290	60	99.72	38520	1780	75	125	0	0	S
Chromium	44.11	1.0	24.93	17.75	106	75	125	0	0	
Cobalt	33.56	1.0	24.93	8.979	98.6	75	125	0	0	
Copper	45.58	2.5	24.93	21.08	98.3	75	125	0	0	
Iron	22640	30	99.72	22320	318	75	125	0	0	S
Lead	37.68	0.50	24.93	12.42	101	75	125	0	0	
Magnesium	25730	30	99.72	25010	729	75	125	0	0	S

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102417

Sample ID: 17080266-052BMS	Customer ID: 2531V-DUP-06	SampType: MS	Units: mg/Kg-dry	TestNo: SW6020	Prep Date: 8/9/2017	Analysis Date: 8/13/2017	Run ID: ICPMS-3_170813A			SeqNo: 3739262		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Manganese		421.5	1.0	24.93	418.8	10.6	75	125	0	0		S
Nickel		43.14	1.0	24.93	19.02	96.7	75	125	0	0		
Potassium		1689	30	99.72	1572	116	75	125	0	0		
Selenium		23.3	1.0	24.93	0	93.4	75	125	0	0		
Silver		9.596	1.0	9.972	0.06142	95.6	75	125	0	0		
Sodium		728.4	60	99.72	602.6	126	75	125	0	0		S
Thallium		25.44	1.0	24.93	0.3763	101	75	125	0	0		
Vanadium		55.25	1.0	24.93	29.76	102	75	125	0	0		
Zinc		85.24	5.0	24.93	60.86	97.8	75	125	0	0		

Sample ID: 17080266-052BMSD	Customer ID: 2531V-DUP-06	SampType: MSD	Units: mg/Kg-dry	TestNo: SW6020	Prep Date: 8/9/2017	Analysis Date: 8/13/2017	Run ID: ICPMS-3_170813A			SeqNo: 3739263		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum		10080	20	25.17	10150	-298	75	125	10620	5.20	20	S
Antimony		1.655	2.0	12.58	0	13.2	75	125	1.764	0	20	JS
Arsenic		31.52	1.0	25.17	9.391	87.9	75	125	33	4.59	20	
Barium		101.4	1.0	25.17	81	80.9	75	125	103.3	1.89	20	
Beryllium		24.91	0.50	25.17	0.5684	96.7	75	125	26.58	6.49	20	
Cadmium		23.58	0.50	25.17	0.2004	92.9	75	125	24.53	3.95	20	
Calcium		37510	60	100.7	38520	-1000	75	125	40290	7.15	20	S
Chromium		42.47	1.0	25.17	17.75	98.2	75	125	44.11	3.78	20	
Cobalt		32.85	1.0	25.17	8.979	94.8	75	125	33.56	2.15	20	
Copper		43.42	2.5	25.17	21.08	88.8	75	125	45.58	4.87	20	
Iron		21430	30	100.7	22320	-881	75	125	22640	5.46	20	S
Lead		35.92	0.50	25.17	12.42	93.4	75	125	37.68	4.78	20	
Magnesium		24330	30	100.7	25010	-668	75	125	25730	5.59	20	S
Manganese		413.6	1.0	25.17	418.8	-20.7	75	125	421.5	1.88	20	S
Nickel		41.42	1.0	25.17	19.02	89	75	125	43.14	4.06	20	
Potassium		1630	30	100.7	1572	56.9	75	125	1689	3.54	20	S
Selenium		22.53	1.0	25.17	0	89.5	75	125	23.3	3.32	20	
Silver		9.127	1.0	10.07	0.06142	90	75	125	9.596	5.01	20	
Sodium		681.8	60	100.7	602.6	78.6	75	125	728.4	6.61	20	
Thallium		24.36	1.0	25.17	0.3763	95.3	75	125	25.44	4.34	20	
Vanadium		53.31	1.0	25.17	29.76	93.6	75	125	55.25	3.57	20	
Zinc		81.6	5.0	25.17	60.86	82.4	75	125	85.24	4.36	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080266	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102460

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 8/10/17			50	0	0	50	1.000	8/10/2017	8/10/2017
ILCSW1 8/10/17			50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-021B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-022B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-023B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-024B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-025B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-026B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-027B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-028B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-029B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-030B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-031B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-032B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-033B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-034B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-035B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-036B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-037B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-038B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-021BMS	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-021BMSD	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:	
17080266-021BMS	2531V-18-04 (0-5)	MS	mg/L	SW1312/6020	8/10/2017	8/11/2017	ICPMS-3_170811A			3738035	
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.501	0.0040	0.5	0	100	75	125	0	0		
Barium	0.5107	0.020	0.5	0.03172	95.8	75	125	0	0		
Beryllium	0.4644	0.0020	0.5	0	92.9	75	125	0	0		
Cadmium	0.5049	0.0020	0.5	0	101	75	125	0	0		
Chromium	0.5303	0.0040	0.5	0.01207	104	75	125	0	0		
Cobalt	0.5304	0.0040	0.5	0.004533	105	75	125	0	0		
Copper	0.544	0.020	0.5	0.01803	105	75	125	0	0		
Iron	13.65	0.10	2	12	82.4	75	125	0	0		
Lead	0.5101	0.0020	0.5	0.005582	101	75	125	0	0		
Manganese	0.5856	0.0040	0.5	0.09192	98.7	75	125	0	0		
Nickel	0.5413	0.0080	0.5	0.01259	106	75	125	0	0		
Selenium	0.4952	0.0040	0.5	0	99	75	125	0	0		
Silver	0.2011	0.0040	0.2	0	101	75	125	0	0		
Zinc	0.5429	0.020	0.5	0.04343	99.9	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-021BMSD	2531V-18-04 (0-5)	MSD	mg/L	SW1312/6020	8/10/2017	8/11/2017	ICPMS-3_170811A				3738039	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		0.4714	0.0040	0.5	0	94.3	75	125	0.501	6.08	20	
Barium		0.4771	0.020	0.5	0.03172	89.1	75	125	0.5107	6.80	20	
Beryllium		0.4359	0.0020	0.5	0	87.2	75	125	0.4644	6.34	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102460

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080266-021BMSD	2531V-18-04 (0-5)	MSD	mg/L	SW1312/6020	8/10/2017	8/11/2017	ICPMS-3_170811A			3738039		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cadmium	0.4721	0.0020	0.5	0	94.4	75	125	0.5049	6.72	20	
Chromium	0.4928	0.0040	0.5	0.01207	96.2	75	125	0.5303	7.33	20	
Cobalt	0.4946	0.0040	0.5	0.004533	98	75	125	0.5304	6.97	20	
Copper	0.5074	0.020	0.5	0.01803	97.9	75	125	0.544	6.97	20	
Iron	12.69	0.10	2	12	34.5	75	125	13.65	7.27	20	S
Lead	0.4752	0.0020	0.5	0.005582	93.9	75	125	0.5101	7.08	20	
Manganese	0.5483	0.0040	0.5	0.09192	91.3	75	125	0.5856	6.59	20	
Nickel	0.5026	0.0080	0.5	0.01259	98	75	125	0.5413	7.41	20	
Selenium	0.4608	0.0040	0.5	0	92.2	75	125	0.4952	7.20	20	
Silver	0.1872	0.0040	0.2	0	93.6	75	125	0.2011	7.19	20	
Zinc	0.506	0.020	0.5	0.04343	92.5	75	125	0.5429	7.05	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
IMBW1 8/10/17	ZZZZZ	MBLK	mg/L	SW6020	8/10/2017	8/11/2017	ICPMS-3_170811A			3738033		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.0003675	0.0040									J
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	0.000845	0.0040									J
Cobalt	ND	0.0040									
Copper	ND	0.010									
Iron	ND	0.10									
Lead	ND	0.0020									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Selenium	ND	0.0040									
Silver	ND	0.0040									
Zinc	ND	0.020									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
ILCSW1 8/10/17	ZZZZZ	LCS	mg/L	SW6020	8/10/2017	8/11/2017		ICPMS-3_170811A		3738031		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4817	0.0040	0.5	0.0003675	96.3	80	120	0	0		
Barium	0.4523	0.0040	0.5	0	90.5	80	120	0	0		
Beryllium	0.4433	0.0020	0.5	0	88.7	80	120	0	0		
Cadmium	0.4894	0.0020	0.5	0	97.9	80	120	0	0		
Chromium	0.5062	0.0040	0.5	0.000845	101	80	120	0	0		
Cobalt	0.5115	0.0040	0.5	0	102	80	120	0	0		
Copper	0.512	0.010	0.5	0	102	80	120	0	0		
Iron	2.094	0.10	2	0	105	80	120	0	0		
Lead	0.4789	0.0020	0.5	0	95.8	80	120	0	0		
Manganese	0.4876	0.0040	0.5	0	97.5	80	120	0	0		
Nickel	0.5157	0.0040	0.5	0	103	80	120	0	0		
Selenium	0.4773	0.0040	0.5	0	95.5	80	120	0	0		
Silver	0.1944	0.0040	0.2	0	97.2	80	120	0	0		
Zinc	0.4943	0.020	0.5	0	98.9	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080266	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102461

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW2 8/10/17			50	0	0	50	1.000	8/10/2017	8/10/2017
ILCSW2 8/10/17			50	0	0	50	1.000	8/10/2017	8/10/2017
IMBTA1 8/9/17			50	0	0	50	1.000	8/10/2017	8/10/2017
17080301-001A	Solid		50	0	0	50	1.000	8/10/2017	8/10/2017
17070917-002B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17070917-003B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17070917-003BMS	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17070917-003BMSD	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17070918-001B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17070918-002B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080282-001A	Aqueous		50	0	0	50	1.000	8/10/2017	8/10/2017
17080285-001B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080098-002B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080331-001A	Solid		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-001B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-003B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-004B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-005B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-006B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-007B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-008B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-009B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-010B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-011B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBTA1 8/9/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/10/2017	8/10/2017	ICPMS-3_170810B				3736641	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		ND	0.010									
Barium		0.005187	0.050									J
Beryllium		ND	0.0050									
Cadmium		ND	0.0050									
Chromium		0.001612	0.010									J
Cobalt		ND	0.010									
Copper		ND	0.10									
Iron		ND	0.25									
Lead		0.001869	0.0050									J
Manganese		ND	0.010									
Nickel		0.00285	0.020									J
Selenium		ND	0.010									
Silver		ND	0.010									
Zinc		0.008277	0.050									J
Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17070917-003BMS	ZZZZZ	MS	mg/L	SW1311/6020	8/10/2017	8/10/2017	ICPMS-3_170810B				3736647	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102461

Sample ID: 17070917-003BMS	Customer ID: ZZZZZ	SampType: MS	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/10/2017	Analysis Date: 8/10/2017	Run ID: ICPMS-3_170810B				SeqNo: 3736647	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Barium	0.7496	0.050	0.5	0.2591	98.1	75	125	0	0		
Beryllium	0.5717	0.0050	0.5	0	114	75	125	0	0		
Cadmium	0.4987	0.0050	0.5	0.009243	97.9	75	125	0	0		
Chromium	0.5465	0.010	0.5	0.002416	109	75	125	0	0		
Cobalt	0.5148	0.010	0.5	0.001214	103	75	125	0	0		
Copper	0.4996	0.10	0.5	0.01114	97.7	75	125	0	0		
Iron	2.285	0.25	2	0.1132	109	75	125	0	0		
Lead	0.682	0.0050	0.5	0.1537	106	75	125	0	0		
Manganese	0.7542	0.010	0.5	0.2202	107	75	125	0	0		
Nickel	0.4998	0.020	0.5	0.008889	98.2	75	125	0	0		
Selenium	0.5166	0.010	0.5	0	103	75	125	0	0		
Silver	0.1974	0.010	0.2	0	98.7	75	125	0	0		
Zinc	0.7835	0.050	0.5	0.2873	99.2	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
17080266-002BMS	2531V-13-01 (5-9)	MS	mg/L	SW1311/6020	8/10/2017	8/11/2017		ICPMS-3_170810B			3737056	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5814	0.010	0.5	0	116	75	125	0	0		
Barium	0.913	0.050	0.5	0.3806	106	75	125	0	0		
Cadmium	0.5587	0.0050	0.5	0.006202	111	75	125	0	0		
Chromium	0.5843	0.010	0.5	0	117	75	125	0	0		
Cobalt	0.6078	0.010	0.5	0.0541	111	75	125	0	0		
Copper	0.5244	0.10	0.5	0	105	75	125	0	0		
Iron	2.381	0.25	2	0	119	75	125	0	0		
Lead	0.5947	0.0050	0.5	0.00239	118	75	125	0	0		
Manganese	6.418	0.010	0.5	6.188	45.9	75	125	0	0		S
Nickel	0.5895	0.020	0.5	0.05652	107	75	125	0	0		
Selenium	0.569	0.010	0.5	0	114	75	125	0	0		
Silver	0.2211	0.010	0.2	0	111	75	125	0	0		
Zinc	0.5547	0.050	0.5	0.02086	107	75	125	0	0		

Sample ID: 17080266-002BMS	Customer ID: 2531V-13-01 (5-9)	SampType: MS	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/10/2017	Analysis Date: 8/11/2017	Run ID: ICPMS_170811A			SeqNo: 3738157		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Beryllium	0.4484	0.0050	0.5	0	89.7	75	125	0	0		

Sample ID: 17070917-003BMSD	Customer ID: ZZZZZ	SampType: MSD	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/10/2017	Analysis Date: 8/10/2017	Run ID: ICPMS-3_170810B				SeqNo: 3736648	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5289	0.010	0.5	0	106	75	125	0.5277	0.236	20
Barium	0.7405	0.050	0.5	0.2591	96.3	75	125	0.7496	1.21	20
Beryllium	0.5596	0.0050	0.5	0	112	75	125	0.5717	2.14	20
Cadmium	0.4947	0.0050	0.5	0.009243	97.1	75	125	0.4987	0.820	20
Chromium	0.5409	0.010	0.5	0.002416	108	75	125	0.5465	1.03	20
Cobalt	0.5131	0.010	0.5	0.001214	102	75	125	0.5148	0.322	20
Copper	0.5005	0.10	0.5	0.01114	97.9	75	125	0.4996	0.186	20
Iron	2.283	0.25	2	0.1132	108	75	125	2.285	0.0807	20
Lead	0.6775	0.0050	0.5	0.1537	105	75	125	0.682	0.668	20

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102461

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17070917-003BMSD	ZZZZZ	MSD	mg/L	SW1311/6020	8/10/2017	8/10/2017	ICPMS-3_170810B			3736648		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Manganese	0.7518	0.010	0.5	0.2202	106	75	125	0.7542	0.325	20
Nickel	0.4984	0.020	0.5	0.008889	97.9	75	125	0.4998	0.276	20
Selenium	0.5161	0.010	0.5	0	103	75	125	0.5166	0.106	20
Silver	0.1958	0.010	0.2	0	97.9	75	125	0.1974	0.855	20
Zinc	0.7783	0.050	0.5	0.2873	98.2	75	125	0.7835	0.667	20

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
IMBW2 8/10/17	ZZZZZ	MBLK	mg/L	SW6020	8/10/2017	8/10/2017		ICPMS-3_170810B			3736637	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040
Barium	ND	0.0040
Beryllium	ND	0.0020
Cadmium	ND	0.0020
Chromium	ND	0.0040
Cobalt	ND	0.0040
Copper	ND	0.010
Iron	ND	0.10
Lead	ND	0.0020
Manganese	ND	0.0040
Nickel	ND	0.0040
Selenium	ND	0.0040
Silver	ND	0.0040
Zinc	ND	0.020

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
ILCSW2 8/10/17	ZZZZZ	LCS	mg/L	SW6020	8/10/2017	8/10/2017			ICPMS-3_170810B		3736638	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4943	0.0040	0.5	0	98.9	80	120	0	0
Barium	0.463	0.0040	0.5	0	92.6	80	120	0	0
Beryllium	0.5543	0.0020	0.5	0	111	80	120	0	0
Cadmium	0.518	0.0020	0.5	0	104	80	120	0	0
Chromium	0.5272	0.0040	0.5	0	105	80	120	0	0
Cobalt	0.5258	0.0040	0.5	0	105	80	120	0	0
Copper	0.5201	0.010	0.5	0	104	80	120	0	0
Iron	2.137	0.10	2	0	107	80	120	0	0
Lead	0.5008	0.0020	0.5	0	100	80	120	0	0
Manganese	0.5124	0.0040	0.5	0	102	80	120	0	0
Nickel	0.5304	0.0040	0.5	0	106	80	120	0	0
Selenium	0.4916	0.0040	0.5	0	98.3	80	120	0	0
Silver	0.1997	0.0040	0.2	0	99.8	80	120	0	0
Zinc	0.5088	0.020	0.5	0	102	80	120	0	0

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW3 8/10/17			50	0	0	50	1.000	8/10/2017	8/10/2017
ILCSW3 8/10/17			50	0	0	50	1.000	8/10/2017	8/10/2017
IMBSPLP 8/9/17			50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-001B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-002B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-002BMS	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-002BMSD	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-003B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-004B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-005B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-006B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-007B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-008B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-009B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-010B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-011B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-012B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-013B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-014B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-015B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-016B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-017B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-018B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017
17080266-019B	Soil		50	0	0	50	1.000	8/10/2017	8/10/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBSPLP 8/9/17	ZZZZZ	MBLK	mg/L	SW1312/6020	8/10/2017	8/11/2017	ICPMS-3_170811A				3738071	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		ND	0.0040									
Barium		ND	0.020									
Beryllium		ND	0.0020									
Cadmium		ND	0.0020									
Chromium		0.001432	0.0040									J
Cobalt		ND	0.0040									
Copper		ND	0.020									
Iron		ND	0.10									
Lead		0.001558	0.0020									J
Manganese		ND	0.0040									
Nickel		ND	0.0080									
Selenium		ND	0.0040									
Silver		ND	0.0040									
Zinc		0.004386	0.020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
ILCSW3 8/10/17	ZZZZZ	LCS	mg/L	SW1312/6020	8/10/2017	8/11/2017	ICPMS-3_170811A				3738070	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		0.4975	0.0040	0.5	0.0003671	99.4	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102463

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
ILCSW3 8/10/17	ZZZZZ	LCS	mg/L	SW1312/6020	8/10/2017	8/11/2017	ICPMS-3_170811A			3738070		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Barium	0.4692	0.020	0.5	0	93.8	80	120	0	0		
Beryllium	0.459	0.0020	0.5	0	91.8	80	120	0	0		
Cadmium	0.5076	0.0020	0.5	0	102	80	120	0	0		
Chromium	0.5326	0.0040	0.5	0.0009216	106	80	120	0	0		
Cobalt	0.537	0.0040	0.5	0	107	80	120	0	0		
Copper	0.5412	0.020	0.5	0	108	80	120	0	0		
Iron	2.161	0.10	2	0.03388	106	80	120	0	0		
Lead	0.4954	0.0020	0.5	0	99.1	80	120	0	0		
Manganese	0.5013	0.0040	0.5	0	100	80	120	0	0		
Nickel	0.5468	0.0080	0.5	0	109	80	120	0	0		
Selenium	0.4943	0.0040	0.5	0	98.9	80	120	0	0		
Silver	0.2011	0.0040	0.2	0	101	80	120	0	0		
Zinc	0.5165	0.020	0.5	0	103	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-002BMS	2531V-13-01 (5-9)	MS	mg/L	SW1312/6020	8/10/2017	8/11/2017	ICPMS-3_170811A				3738078	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4892	0.0040	0.5	0.003418	97.2	75	125	0	0		
Barium	0.4885	0.020	0.5	0.02418	92.9	75	125	0	0		
Beryllium	0.4599	0.0020	0.5	0	92	75	125	0	0		
Cadmium	0.5017	0.0020	0.5	0	100	75	125	0	0		
Chromium	0.5294	0.0040	0.5	0.00918	104	75	125	0	0		
Cobalt	0.5305	0.0040	0.5	0.003123	105	75	125	0	0		
Copper	0.5438	0.020	0.5	0.01362	106	75	125	0	0		
Iron	10.35	0.10	2	8.378	98.6	75	125	0	0		
Lead	0.4953	0.0020	0.5	0.004161	98.2	75	125	0	0		
Manganese	0.5424	0.0040	0.5	0.04744	99	75	125	0	0		
Nickel	0.5394	0.0080	0.5	0.01013	106	75	125	0	0		
Selenium	0.4745	0.0040	0.5	0	94.9	75	125	0	0		
Silver	0.1949	0.0040	0.2	0	97.5	75	125	0	0		
Zinc	0.5349	0.020	0.5	0.03256	100	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-002BMSD	2531V-13-01 (5-9)	MSD	mg/L	SW1312/6020	8/10/2017	8/11/2017	ICPMS-3_170811A				3738079	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4912	0.0040	0.5	0.003418	97.6	75	125	0.4892	0.402	20	
Barium	0.497	0.020	0.5	0.02418	94.6	75	125	0.4885	1.72	20	
Beryllium	0.4664	0.0020	0.5	0	93.3	75	125	0.4599	1.41	20	
Cadmium	0.5035	0.0020	0.5	0	101	75	125	0.5017	0.356	20	
Chromium	0.5327	0.0040	0.5	0.00918	105	75	125	0.5294	0.618	20	
Cobalt	0.5319	0.0040	0.5	0.003123	106	75	125	0.5305	0.260	20	
Copper	0.5441	0.020	0.5	0.01362	106	75	125	0.5438	0.0603	20	
Iron	10.38	0.10	2	8.378	100	75	125	10.35	0.286	20	
Lead	0.5021	0.0020	0.5	0.004161	99.6	75	125	0.4953	1.35	20	
Manganese	0.5438	0.0040	0.5	0.04744	99.3	75	125	0.5424	0.268	20	
Nickel	0.5427	0.0080	0.5	0.01013	107	75	125	0.5394	0.609	20	
Selenium	0.4805	0.0040	0.5	0	96.1	75	125	0.4745	1.24	20	
Silver	0.1976	0.0040	0.2	0	98.8	75	125	0.1949	1.40	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102463

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080266-002BMSD	2531V-13-01 (5-9)	MSD	mg/L	SW1312/6020	8/10/2017	8/11/2017	ICPMS-3_170811A			3738079		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Zinc		0.5372	0.020	0.5	0.03256	101	75	125	0.5349	0.432	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
IMBW3 8/10/17	ZZZZZ	MBLK	mg/L	SW6020	8/10/2017	8/11/2017		ICPMS-3_170811A		3738068		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic		0.0003671	0.0040									J
Barium		ND	0.0040									
Beryllium		ND	0.0020									
Cadmium		ND	0.0020									
Chromium		0.0009216	0.0040									J
Cobalt		ND	0.0040									
Copper		ND	0.010									
Iron		0.03388	0.10									J
Lead		ND	0.0020									
Manganese		ND	0.0040									
Nickel		ND	0.0040									
Selenium		ND	0.0040									
Silver		ND	0.0040									
Zinc		ND	0.020									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080266	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102497

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 8/11/17			50	0	0	50	1.000	8/11/2017	8/11/2017
ILCSW1 8/11/17			50	0	0	50	1.000	8/11/2017	8/11/2017
IMBTA1 8/10/17			50	0	0	50	1.000	8/11/2017	8/11/2017
17080365-001A	Solid		50	0	0	50	1.000	8/11/2017	8/11/2017
17080365-002A	Solid		50	0	0	50	1.000	8/11/2017	8/11/2017
17080365-001AMS	Solid		50	0	0	50	1.000	8/11/2017	8/11/2017
17080365-001AMSD	Solid		50	0	0	50	1.000	8/11/2017	8/11/2017
17070780-004B	Soil		50	0	0	50	1.000	8/11/2017	8/11/2017
17080356-001B	Soil		50	0	0	50	1.000	8/11/2017	8/11/2017
17080394-002A	Solid		50	0	0	50	1.000	8/11/2017	8/11/2017
17080266-012B	Soil		50	0	0	50	1.000	8/12/2017	8/11/2017
17080266-013B	Soil		50	0	0	50	1.000	8/12/2017	8/11/2017
17080266-014B	Soil		50	0	0	50	1.000	8/12/2017	8/11/2017
17080266-015B	Soil		50	0	0	50	1.000	8/12/2017	8/11/2017
17080266-016B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-017B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-018B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-020B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-021B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-022B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-023B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-024B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-025B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-026B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080365-001AMS	ZZZZZ	MS	mg/L	SW1311/6020	8/11/2017	8/12/2017	ICPMS-3_170812A				3738999	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		0.4743	0.010	0.5	0	94.9	75	125	0	0		
Barium		4.047	0.050	0.5	3.495	110	75	125	0	0		
Beryllium		0.4764	0.0050	0.5	0	95.3	75	125	0	0		
Cadmium		0.4342	0.0050	0.5	0	86.8	75	125	0	0		
Chromium		0.4673	0.010	0.5	0	93.5	75	125	0	0		
Cobalt		0.4586	0.010	0.5	0.006042	90.5	75	125	0	0		
Copper		0.4353	0.10	0.5	0	87.1	75	125	0	0		
Iron		298.1	0.25	2	293	260	75	125	0	0		SE
Lead		0.4801	0.0050	0.5	0	96	75	125	0	0		
Manganese		11.71	0.010	0.5	11.15	112	75	125	0	0		E
Nickel		0.4553	0.020	0.5	0.02122	86.8	75	125	0	0		
Selenium		0.4793	0.010	0.5	0	95.9	75	125	0	0		
Silver		0.1808	0.010	0.2	0	90.4	75	125	0	0		
Zinc		3.884	0.050	0.5	3.477	81.5	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080365-001AMSD	ZZZZZ	MSD	mg/L	SW1311/6020	8/11/2017	8/12/2017	ICPMS-3_170812A				3739001	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		0.4903	0.010	0.5	0	98.1	75	125	0.4743	3.33	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102497

Sample ID: 17080365-001AMSD	Customer ID: ZZZZZ	SampType: MSD	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/11/2017	Analysis Date: 8/12/2017	Run ID: ICPMS-3_170812A			SeqNo: 3739001		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Barium	4.174	0.050	0.5	3.495	136	75	125	4.047	3.07	20	S
Beryllium	0.4975	0.0050	0.5	0	99.5	75	125	0.4764	4.34	20	
Cadmium	0.456	0.0050	0.5	0	91.2	75	125	0.4342	4.91	20	
Chromium	0.4942	0.010	0.5	0	98.8	75	125	0.4673	5.59	20	
Cobalt	0.4875	0.010	0.5	0.006042	96.3	75	125	0.4586	6.11	20	
Copper	0.4621	0.10	0.5	0	92.4	75	125	0.4353	5.96	20	
Iron	308.7	0.25	2	293	787	75	125	298.1	3.48	20	SE
Lead	0.5003	0.0050	0.5	0	100	75	125	0.4801	4.12	20	
Manganese	12.06	0.010	0.5	11.15	183	75	125	11.71	2.99	20	SE
Nickel	0.4795	0.020	0.5	0.02122	91.7	75	125	0.4553	5.18	20	
Selenium	0.4901	0.010	0.5	0	98	75	125	0.4793	2.23	20	
Silver	0.1917	0.010	0.2	0	95.8	75	125	0.1808	5.86	20	
Zinc	3.995	0.050	0.5	3.477	104	75	125	3.884	2.82	20	

Sample ID: IMBW1 8/11/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW6020	Prep Date: 8/11/2017	Analysis Date: 8/12/2017	Run ID: ICPMS-3_170812A			SeqNo: 3738994		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040										
Barium	ND	0.0040										
Beryllium	ND	0.0020										
Cadmium	ND	0.0020										
Chromium	0.0007487	0.0040										J
Cobalt	ND	0.0040										
Copper	ND	0.010										
Iron	ND	0.10										
Lead	0.0008706	0.0020										J
Manganese	ND	0.0040										
Nickel	ND	0.0040										
Selenium	ND	0.0040										
Silver	ND	0.0040										
Zinc	0.004146	0.020										J

Sample ID: ILCSW1 8/11/17	Customer ID: ZZZZZ	SampType: LCS	Units: mg/L	TestNo: SW6020	Prep Date: 8/11/2017	Analysis Date: 8/12/2017	Run ID: ICPMS-3_170812A			SeqNo: 3738995		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4695	0.0040	0.5	0	93.9	80	120	0	0		
Barium	0.4648	0.0040	0.5	0	93	80	120	0	0		
Beryllium	0.5173	0.0020	0.5	0	103	80	120	0	0		
Cadmium	0.4666	0.0020	0.5	0	93.3	80	120	0	0		
Chromium	0.4909	0.0040	0.5	0.0007487	98	80	120	0	0		
Cobalt	0.4953	0.0040	0.5	0	99.1	80	120	0	0		
Copper	0.4924	0.010	0.5	0	98.5	80	120	0	0		
Iron	2.019	0.10	2	0	101	80	120	0	0		
Lead	0.477	0.0020	0.5	0.0008706	95.2	80	120	0	0		
Manganese	0.4831	0.0040	0.5	0	96.6	80	120	0	0		
Nickel	0.4933	0.0040	0.5	0	98.7	80	120	0	0		
Selenium	0.4824	0.0040	0.5	0	96.5	80	120	0	0		
Silver	0.196	0.0040	0.2	0	98	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080266	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102497

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
ILCSW1 8/11/17	ZZZZZ	LCS	mg/L	SW6020	8/11/2017	8/12/2017	ICPMS-3_170812A				3738995	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Zinc		0.4858	0.020	0.5	0.004146	96.3	80	120	0	0		

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 8/12/17			50	0	0	50	1.000	8/12/2017	8/12/2017
ILCSW1 8/12/17			50	0	0	50	1.000	8/12/2017	8/12/2017
IMBSPLP 8/10/17			50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-040B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-041B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-042B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-043B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-044B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-045B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-046B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-047B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-048B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-049B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-050B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-051B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-052B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-053B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-054B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-020B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-039B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-046BMS	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-046BMSD	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-001B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-002B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBSPLP 8/10/17	ZZZZZ	MBLK	mg/L	SW1312/6020	8/12/2017	8/16/2017	ICPMS-3_170815B				3744397	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		ND	0.0040									
Barium		ND	0.020									
Beryllium		ND	0.0020									
Cadmium		ND	0.0020									
Chromium		0.001764	0.0040									J
Cobalt		0.0001013	0.0040									J
Copper		ND	0.020									
Iron		0.01536	0.10									J
Lead		ND	0.0020									
Manganese		0.0004627	0.0040									J
Nickel		ND	0.0080									
Selenium		ND	0.0040									
Silver		ND	0.0040									
Zinc		0.005074	0.020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-046BMS	2531V-34-07 (0-1)	MS	mg/L	SW1312/6020	8/12/2017	8/15/2017	ICPMS-3_170815B				3743207	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Beryllium		0.4983	0.0020	0.5	0	99.7	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102498

Sample ID: 17080266-046BMS	Customer ID: 2531V-34-07 (0-1)	SampType: MS	Units: mg/L	TestNo: SW1312/6020	Prep Date: 8/12/2017	Analysis Date: 8/16/2017	Run ID: ICPMS-3_170815B				SeqNo: 3744403	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5031	0.0040	0.5	0.003054	100	75	125	0	0		
Barium	0.4914	0.020	0.5	0.01155	96	75	125	0	0		
Cadmium	0.4994	0.0020	0.5	0	99.9	75	125	0	0		
Chromium	0.5263	0.0040	0.5	0.003745	105	75	125	0	0		
Cobalt	0.5415	0.0040	0.5	0.0008985	108	75	125	0	0		
Copper	0.5311	0.020	0.5	0.004582	105	75	125	0	0		
Iron	5.242	0.10	2	2.786	123	75	125	0	0		
Lead	0.5093	0.0020	0.5	0.0031	101	75	125	0	0		
Manganese	0.5257	0.0040	0.5	0.0221	101	75	125	0	0		
Nickel	0.5503	0.0080	0.5	0.003803	109	75	125	0	0		
Selenium	0.4885	0.0040	0.5	0	97.7	75	125	0	0		
Silver	0.1991	0.0040	0.2	0	99.5	75	125	0	0		
Zinc	0.5276	0.020	0.5	0.01279	103	75	125	0	0		

Sample ID: 17080266-046BMSD	Customer ID: 2531V-34-07 (0-1)	SampType: MSD	Units: mg/L	TestNo: SW1312/6020	Prep Date: 8/12/2017	Analysis Date: 8/15/2017	Run ID: ICPMS-3_170815B				SeqNo: 3743208		
Analyte		Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Beryllium	0.4979	0.0020	0.5	0	99.6	75	125	0.4983	0.0775	20	

Sample ID: 17080266-046BMSD	Customer ID: 2531V-34-07 (0-1)	SampType: MSD	Units: mg/L	TestNo: SW1312/6020	Prep Date: 8/12/2017	Analysis Date: 8/16/2017	Run ID: ICPMS-3_170815B				SeqNo: 3744404	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4865	0.0040	0.5	0.003054	96.7	75	125	0.5031	3.34	20	
Barium	0.4818	0.020	0.5	0.01155	94	75	125	0.4914	1.98	20	
Cadmium	0.4872	0.0020	0.5	0	97.4	75	125	0.4994	2.47	20	
Chromium	0.5089	0.0040	0.5	0.003745	101	75	125	0.5263	3.36	20	
Cobalt	0.5273	0.0040	0.5	0.0008985	105	75	125	0.5415	2.65	20	
Copper	0.5207	0.020	0.5	0.004582	103	75	125	0.5311	1.98	20	
Iron	6.216	0.10	2	2.786	172	75	125	5.242	17.0	20	S
Lead	0.5006	0.0020	0.5	0.0031	99.5	75	125	0.5093	1.72	20	
Manganese	0.5094	0.0040	0.5	0.0221	97.5	75	125	0.5257	3.15	20	
Nickel	0.5368	0.0080	0.5	0.003803	107	75	125	0.5503	2.48	20	
Selenium	0.472	0.0040	0.5	0	94.4	75	125	0.4885	3.44	20	
Silver	0.1948	0.0040	0.2	0	97.4	75	125	0.1991	2.17	20	
Zinc	0.5206	0.020	0.5	0.01279	102	75	125	0.5276	1.33	20	

Sample ID: IMBW1 8/12/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW6020	Prep Date: 8/12/2017	Analysis Date: 8/16/2017		Run ID: ICPMS-3_170815B			SeqNo: 3744395	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.0005656	0.0040									J
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	0.001341	0.0040									J
Cobalt	ND	0.0040									
Copper	0.0008426	0.010									J
Iron	ND	0.10									
Lead	ND	0.0020									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102498

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBW1 8/12/17	ZZZZZ	MBLK	mg/L	SW6020	8/12/2017	8/16/2017	ICPMS-3_170815B				3744395	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Manganese	ND	0.0040										
Nickel	0.001188	0.0040										J
Selenium	ND	0.0040										
Silver	ND	0.0040										
Zinc	0.003976	0.020										J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
ILCSW1 8/12/17	ZZZZZ	LCS	mg/L	SW6020	8/12/2017	8/16/2017		ICPMS-3_170815B		3744396		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5037	0.0040	0.5	0.0005656	101	80	120	0	0		
Barium	0.4827	0.0040	0.5	0	96.5	80	120	0	0		
Beryllium	0.4822	0.0020	0.5	0	96.4	80	120	0	0		
Cadmium	0.5097	0.0020	0.5	0	102	80	120	0	0		
Chromium	0.5302	0.0040	0.5	0.001341	106	80	120	0	0		
Cobalt	0.5516	0.0040	0.5	0	110	80	120	0	0		
Copper	0.5337	0.010	0.5	0.0008426	107	80	120	0	0		
Iron	2.195	0.10	2	0	110	80	120	0	0		
Lead	0.5091	0.0020	0.5	0	102	80	120	0	0		
Manganese	0.5021	0.0040	0.5	0	100	80	120	0	0		
Nickel	0.5565	0.0040	0.5	0.001188	111	80	120	0	0		
Selenium	0.4966	0.0040	0.5	0	99.3	80	120	0	0		
Silver	0.2019	0.0040	0.2	0	101	80	120	0	0		
Zinc	0.527	0.020	0.5	0.003976	105	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080266	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102499

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW2 8/12/17			50	0	0	50	1.000	8/12/2017	8/12/2017
ILCSW2 8/12/17			50	0	0	50	1.000	8/12/2017	8/12/2017
IMBTB 8/10/17			50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-019B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-019BMS	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-019BMSD	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
IMBTB 8/11/17			50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-027B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-027BMS	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-028B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-029B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-041B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
IMBSPLP2 8/11/17			50	0	0	50	1.000	8/12/2017	8/12/2017
17080077-006B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080077-006BMS	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080077-008B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBSPLP2 8/11/17	ZZZZZ	MBLK	mg/L	SW1312/6020	8/12/2017	8/16/2017	ICPMS-3_170815B				3744391	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		ND	0.0040									
Barium		ND	0.020									
Beryllium		ND	0.0020									
Cadmium		ND	0.0020									
Chromium		0.001244	0.0040									J
Cobalt		ND	0.0040									
Copper		0.0009436	0.020									J
Iron		ND	0.10									
Lead		ND	0.0020									
Manganese		0.0005596	0.0040									J
Nickel		0.000447	0.0080									J
Selenium		ND	0.0040									
Silver		ND	0.0040									
Zinc		ND	0.020									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:	
17080077-006BMS	ZZZZZ	MS	mg/L	SW1312/6020	8/12/2017	8/16/2017	ICPMS-3_170815B			3744393	
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.4608	0.0040	0.5	0.003387	91.5	75	125	0	0		
Barium	0.4627	0.020	0.5	0.0218	88.2	75	125	0	0		
Beryllium	0.4491	0.0020	0.5	0	89.8	75	125	0	0		
Cadmium	0.4616	0.0020	0.5	0	92.3	75	125	0	0		
Chromium	0.4898	0.0040	0.5	0.006935	96.6	75	125	0	0		
Cobalt	0.5026	0.0040	0.5	0.002053	100	75	125	0	0		
Copper	0.4863	0.020	0.5	0.004608	96.3	75	125	0	0		
Iron	6.472	0.10	2	4.448	101	75	125	0	0		
Lead	0.4716	0.0020	0.5	0.002263	93.9	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102499

Sample ID: 17080077-006BMS	Customer ID: ZZZZZ	SampType: MS	Units: mg/L	TestNo: SW1312/6020	Prep Date: 8/12/2017	Analysis Date: 8/16/2017	Run ID: ICPMS-3_170815B			SeqNo: 3744393		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Manganese		0.4968	0.0040	0.5	0.03406	92.6	75	125	0	0		
Nickel		0.514	0.0080	0.5	0.005994	102	75	125	0	0		
Selenium		0.4531	0.0040	0.5	0	90.6	75	125	0	0		
Silver		0.1842	0.0040	0.2	0	92.1	75	125	0	0		
Zinc		0.4821	0.020	0.5	0.01016	94.4	75	125	0	0		

Sample ID: IMBTB 8/10/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/12/2017	Analysis Date: 8/15/2017	Run ID: ICPMS-3_170815A			SeqNo: 3742697		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic		ND	0.010									
Barium		0.003366	0.050									J
Beryllium		ND	0.0050									
Cadmium		ND	0.0050									
Chromium		0.002366	0.010									J
Cobalt		ND	0.010									
Copper		0.005563	0.10									J
Iron		ND	0.25									
Lead		ND	0.0050									
Manganese		0.0007814	0.010									J
Nickel		0.0007081	0.020									J
Selenium		ND	0.010									
Silver		ND	0.010									
Zinc		0.01526	0.050									J

Sample ID: IMBTB 8/11/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/12/2017	Analysis Date: 8/15/2017	Run ID: ICPMS-3_170815B			SeqNo: 3743187		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic		ND	0.010									
Barium		0.003161	0.050									J
Beryllium		ND	0.0050									
Cadmium		ND	0.0050									
Chromium		0.001755	0.010									J
Cobalt		ND	0.010									
Copper		0.005355	0.10									J
Iron		ND	0.25									
Lead		ND	0.0050									
Manganese		0.0006786	0.010									J
Nickel		ND	0.020									
Selenium		ND	0.010									
Silver		ND	0.010									
Zinc		0.01301	0.050									J

Sample ID: 17080266-019BMS	Customer ID: 2531V-18-03 (0-5)	SampType: MS	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/12/2017	Analysis Date: 8/15/2017	Run ID: ICPMS-3_170815A			SeqNo: 3742703		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic		0.5363	0.010	0.5	0	107	75	125	0	0		
Barium		0.7339	0.050	0.5	0.1921	108	75	125	0	0		
Beryllium		0.4849	0.0050	0.5	0	97	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102499

Sample ID: 17080266-019BMS	Customer ID: 2531V-18-03 (0-5)	SampType: MS	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/12/2017	Analysis Date: 8/15/2017	Run ID: ICPMS-3_170815A				SeqNo: 3742703	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cadmium	0.5133	0.0050	0.5	0.003769	102	75	125	0	0		
Chromium	0.5386	0.010	0.5	0	108	75	125	0	0		
Cobalt	0.5699	0.010	0.5	0.04359	105	75	125	0	0		
Copper	0.5068	0.10	0.5	0	101	75	125	0	0		
Iron	2.231	0.25	2	0	112	75	125	0	0		
Lead	0.5164	0.0050	0.5	0	103	75	125	0	0		
Manganese	5.032	0.010	0.5	4.333	140	75	125	0	0		S
Nickel	0.5715	0.020	0.5	0.05296	104	75	125	0	0		
Selenium	0.5416	0.010	0.5	0	108	75	125	0	0		
Silver	0.1987	0.010	0.2	0	99.4	75	125	0	0		
Zinc	0.5744	0.050	0.5	0.08396	98.1	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080266-027BMS	2531V-23-01 (0-1)	MS	mg/L	SW1311/6020	8/12/2017	8/15/2017		ICPMS-3_170815B		3743191		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5282	0.010	0.5	0	106	75	125	0	0		
Barium	0.6785	0.050	0.5	0.194	96.9	75	125	0	0		
Beryllium	0.5064	0.0050	0.5	0	101	75	125	0	0		
Cadmium	0.4936	0.0050	0.5	0.002555	98.2	75	125	0	0		
Chromium	0.5265	0.010	0.5	0	105	75	125	0	0		
Cobalt	0.5286	0.010	0.5	0.01975	102	75	125	0	0		
Copper	0.4753	0.10	0.5	0	95.1	75	125	0	0		
Iron	2.117	0.25	2	0	106	75	125	0	0		
Lead	0.5099	0.0050	0.5	0	102	75	125	0	0		
Manganese	4.199	0.010	0.5	3.717	96.5	75	125	0	0		
Nickel	0.527	0.020	0.5	0.02657	100	75	125	0	0		
Selenium	0.5284	0.010	0.5	0	106	75	125	0	0		
Silver	0.1952	0.010	0.2	0	97.6	75	125	0	0		
Zinc	0.5089	0.050	0.5	0.02905	96	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-019BMSD	2531V-18-03 (0-5)	MSD	mg/L	SW1311/6020	8/12/2017	8/15/2017	ICPMS-3_170815A				3742704	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5301	0.010	0.5	0	106	75	125	0.5363	1.16	20	
Barium	0.7327	0.050	0.5	0.1921	108	75	125	0.7339	0.163	20	
Beryllium	0.5075	0.0050	0.5	0	101	75	125	0.4849	4.55	20	
Cadmium	0.5128	0.0050	0.5	0.003769	102	75	125	0.5133	0.0968	20	
Chromium	0.5383	0.010	0.5	0	108	75	125	0.5386	0.0426	20	
Cobalt	0.5739	0.010	0.5	0.04359	106	75	125	0.5699	0.700	20	
Copper	0.5132	0.10	0.5	0	103	75	125	0.5068	1.26	20	
Iron	2.164	0.25	2	0	108	75	125	2.231	3.04	20	
Lead	0.5248	0.0050	0.5	0	105	75	125	0.5164	1.61	20	
Manganese	5.031	0.010	0.5	4.333	140	75	125	5.032	0.0124	20	S
Nickel	0.5708	0.020	0.5	0.05296	104	75	125	0.5715	0.127	20	
Selenium	0.5527	0.010	0.5	0	111	75	125	0.5416	2.03	20	
Silver	0.2002	0.010	0.2	0	100	75	125	0.1987	0.750	20	
Zinc	0.5798	0.050	0.5	0.08396	99.2	75	125	0.5744	0.927	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102499

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBW2 8/12/17	ZZZZZ	MBLK	mg/L	SW6020	8/12/2017	8/15/2017	ICPMS-3_170815A				3742698	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040
Barium	ND	0.0040
Beryllium	ND	0.0020
Cadmium	ND	0.0020
Chromium	ND	0.0040
Cobalt	ND	0.0040
Copper	ND	0.010
Iron	ND	0.10
Lead	ND	0.0020
Manganese	ND	0.0040
Nickel	ND	0.0040
Selenium	ND	0.0040
Silver	ND	0.0040
Zinc	0.002634	0.020

J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
ILCSW2 8/12/17	ZZZZZ	LCS	mg/L	SW6020	8/12/2017	8/15/2017		ICPMS-3_170815A			3742699	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4963	0.0040	0.5	0	99.3	80	120	0	0
Barium	0.5061	0.0040	0.5	0	101	80	120	0	0
Beryllium	0.5194	0.0020	0.5	0	104	80	120	0	0
Cadmium	0.5218	0.0020	0.5	0	104	80	120	0	0
Chromium	0.5237	0.0040	0.5	0	105	80	120	0	0
Cobalt	0.5369	0.0040	0.5	0	107	80	120	0	0
Copper	0.5423	0.010	0.5	0	108	80	120	0	0
Iron	2.168	0.10	2	0	108	80	120	0	0
Lead	0.513	0.0020	0.5	0	103	80	120	0	0
Manganese	0.5065	0.0040	0.5	0	101	80	120	0	0
Nickel	0.5457	0.0040	0.5	0	109	80	120	0	0
Selenium	0.5169	0.0040	0.5	0	103	80	120	0	0
Silver	0.2032	0.0040	0.2	0	102	80	120	0	0
Zinc	0.5251	0.020	0.5	0.002634	105	80	120	0	0

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080266	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102511

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 8/13/17			50	0	0	50	1.000	8/14/2017	8/14/2017
ILCSW1 8/13/17			50	0	0	50	1.000	8/14/2017	8/14/2017
IMBTA1 8/11/17			50	0	0	50	1.000	8/14/2017	8/14/2017
17080266-030B	Soil		50	0	0	50	1.000	8/14/2017	8/14/2017
17080266-030BMS	Soil		50	0	0	50	1.000	8/14/2017	8/14/2017
17080266-030BMSD	Soil		50	0	0	50	1.000	8/14/2017	8/14/2017
17080266-031B	Soil		50	0	0	50	1.000	8/14/2017	8/14/2017
17080266-032B	Soil		50	0	0	50	1.000	8/14/2017	8/14/2017
17080266-033B	Soil		50	0	0	50	1.000	8/14/2017	8/14/2017
17080266-034B	Soil		50	0	0	50	1.000	8/14/2017	8/14/2017
17080266-035B	Soil		50	0	0	50	1.000	8/14/2017	8/14/2017
17080266-036B	Soil		50	0	0	50	1.000	8/14/2017	8/14/2017
17080266-037B	Soil		50	0	0	50	1.000	8/14/2017	8/14/2017
17080266-038B	Soil		50	0	0	50	1.000	8/14/2017	8/14/2017
17080266-039B	Soil		50	0	0	50	1.000	8/14/2017	8/14/2017
17080266-040B	Soil		50	0	0	50	1.000	8/14/2017	8/14/2017
17080368-001B	Soil		50	0	0	50	1.000	8/14/2017	8/14/2017
17080368-002B	Soil		50	0	0	50	1.000	8/14/2017	8/14/2017
17080368-003B	Soil		50	0	0	50	1.000	8/14/2017	8/14/2017
17080390-001A	Soil		50	0	0	50	1.000	8/14/2017	8/14/2017
17080409-001A	Soil		50	0	0	50	1.000	8/14/2017	8/14/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
IMBTA1 8/11/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/14/2017	8/15/2017		ICPMS-3_170815B			3743157	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.010										
Barium	0.005478	0.050										J
Beryllium	ND	0.0050										
Cadmium	ND	0.0050										
Chromium	0.001921	0.010										J
Cobalt	ND	0.010										
Copper	0.002934	0.10										J
Iron	0.04317	0.25										J
Lead	0.003733	0.0050										J
Manganese	ND	0.010										
Nickel	0.002891	0.020										J
Selenium	ND	0.010										
Silver	ND	0.010										
Zinc	0.009927	0.050										J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
17080266-030BMS	2531V-23-04 (0-1)	MS	mg/L	SW1311/6020	8/14/2017	8/15/2017		ICPMS-3_170815B			3743169	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5466	0.010	0.5	0	109	75	125	0	0		
Barium	0.9223	0.050	0.5	0.429	98.7	75	125	0	0		
Beryllium	0.5532	0.0050	0.5	0	111	75	125	0	0		
Cadmium	0.4955	0.0050	0.5	0	99.1	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102511

Sample ID: 17080266-030BMS	Customer ID: 2531V-23-04 (0-1)	SampType: MS	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/14/2017	Analysis Date: 8/15/2017	Run ID: ICPMS-3_170815B				SeqNo: 3743169	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chromium	0.5376	0.010	0.5	0	108	75	125	0	0		
Cobalt	0.5261	0.010	0.5	0	105	75	125	0	0		
Copper	0.4883	0.10	0.5	0	97.7	75	125	0	0		
Iron	2.162	0.25	2	0	108	75	125	0	0		
Lead	0.5248	0.0050	0.5	0.00202	105	75	125	0	0		
Manganese	1.658	0.010	0.5	1.133	105	75	125	0	0		
Nickel	0.5177	0.020	0.5	0.00536	102	75	125	0	0		
Selenium	0.5426	0.010	0.5	0	109	75	125	0	0		
Silver	0.1964	0.010	0.2	0	98.2	75	125	0	0		
Zinc	0.5146	0.050	0.5	0.01668	99.6	75	125	0	0		

Sample ID: 17080266-030BMSD	Customer ID: 2531V-23-04 (0-1)	SampType: MSD	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/14/2017	Analysis Date: 8/15/2017	Run ID: ICPMS-3_170815B				SeqNo: 3743170		
Analyte	Result			PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5256	0.010	0.5	0	105	75	125	0.5466	3.92	20	
Barium	0.9222	0.050	0.5	0.429	98.6	75	125	0.9223	0.00767	20	
Beryllium	0.532	0.0050	0.5	0	106	75	125	0.5532	3.89	20	
Cadmium	0.48	0.0050	0.5	0	96	75	125	0.4955	3.18	20	
Chromium	0.5223	0.010	0.5	0	104	75	125	0.5376	2.87	20	
Cobalt	0.5104	0.010	0.5	0	102	75	125	0.5261	3.04	20	
Copper	0.4746	0.10	0.5	0	94.9	75	125	0.4883	2.83	20	
Iron	2.108	0.25	2	0	105	75	125	2.162	2.52	20	
Lead	0.5091	0.0050	0.5	0.00202	101	75	125	0.5248	3.04	20	
Manganese	1.62	0.010	0.5	1.133	97.3	75	125	1.658	2.34	20	
Nickel	0.502	0.020	0.5	0.00536	99.3	75	125	0.5177	3.08	20	
Selenium	0.5336	0.010	0.5	0	107	75	125	0.5426	1.68	20	
Silver	0.1917	0.010	0.2	0	95.8	75	125	0.1964	2.45	20	
Zinc	0.5011	0.050	0.5	0.01668	96.9	75	125	0.5146	2.66	20	

Sample ID: IMBW1 8/13/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW6020	Prep Date: 8/14/2017	Analysis Date: 8/15/2017	Run ID: ICPMS-3_170815B				SeqNo: 3743183	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.0004805	0.0040									J
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	0.0007524	0.0040									J
Cobalt	ND	0.0040									
Copper	ND	0.010									
Iron	ND	0.10									
Lead	ND	0.0020									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Selenium	ND	0.0040									
Silver	ND	0.0040									
Zinc	ND	0.020									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080266	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102511

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
ILCSW1 8/13/17	ZZZZZ	LCS	mg/L	SW6020	8/14/2017	8/16/2017	ICPMS_170816B				3745245
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.4833	0.0040	0.5	0.0004805	96.6	80	120	0	0		
Barium	0.5029	0.0040	0.5	0	101	80	120	0	0		
Beryllium	0.5076	0.0020	0.5	0	102	80	120	0	0		
Cadmium	0.4866	0.0020	0.5	0	97.3	80	120	0	0		
Chromium	0.5083	0.0040	0.5	0.0007524	102	80	120	0	0		
Cobalt	0.499	0.0040	0.5	0	99.8	80	120	0	0		
Copper	0.4921	0.010	0.5	0	98.4	80	120	0	0		
Iron	2.109	0.10	2	0	105	80	120	0	0		
Lead	0.485	0.0020	0.5	0	97	80	120	0	0		
Manganese	0.5134	0.0040	0.5	0	103	80	120	0	0		
Nickel	0.469	0.0040	0.5	0	93.8	80	120	0	0		
Selenium	0.4711	0.0040	0.5	0	94.2	80	120	0	0		
Silver	0.198	0.0040	0.2	0	99	80	120	0	0		
Zinc	0.5298	0.020	0.5	0	106	80	120	0	0		

Qualifiers:	ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits * - Non Accredited Parameter	S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits H/HT - Holding Time Exceeded
	B - Analyte detected in the associated Method Blank E - Value above quantitation range	

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080266	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102567

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 8/15/17			50	0	0	50	1.000	8/15/2017	8/15/2017
ILCSW1 8/15/17			50	0	0	50	1.000	8/15/2017	8/15/2017
IMBTA1 8/14/17			50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-042B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-043B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-044B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-045B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-046B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-047B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-048B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-049B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-050B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-051B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-053B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-054B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080286-001B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080279-001B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080279-002B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080442-001A	Sludge		50	0	0	50	1.000	8/15/2017	8/15/2017
17080444-001A	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080277-001A	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080277-001AMS	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080277-001AMSD	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
IMBTA1 8/14/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/15/2017	8/16/2017			ICPMS-3_170816A		3745381	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.010										
Barium	0.005182	0.050										J
Beryllium	ND	0.0050										
Cadmium	ND	0.0050										
Chromium	0.005561	0.010										J
Cobalt	ND	0.010										
Copper	0.003715	0.10										J
Iron	ND	0.25										
Lead	ND	0.0050										
Manganese	0.0008162	0.010										J
Nickel	0.004096	0.020										J
Selenium	ND	0.010										
Silver	ND	0.010										
Zinc	0.01516	0.050										J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080277-001AMS	ZZZZZ	MS	mg/L	SW1311/6020	8/15/2017	8/16/2017	ICPMS_170816A			3744694		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		0.4893	0.010	0.5	0	97.9	75	125	0	0		
Barium		1.278	0.050	0.5	0.7727	101	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102567

Sample ID: 17080277-001AMS	Customer ID: ZZZZZ	SampType: MS	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/15/2017	Analysis Date: 8/16/2017	Run ID: ICPMS_170816A				SeqNo: 3744694	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Beryllium	0.4623	0.0050	0.5	0	92.5	75	125	0	0		
Cadmium	0.446	0.0050	0.5	0.01845	85.5	75	125	0	0		
Chromium	0.5147	0.010	0.5	0.00747	101	75	125	0	0		
Cobalt	0.5391	0.010	0.5	0.04206	99.4	75	125	0	0		
Copper	3.387	0.10	0.5	2.905	96.4	75	125	0	0		
Iron	5.32	0.25	2	3.303	101	75	125	0	0		
Lead	0.7398	0.0050	0.5	0.2601	95.9	75	125	0	0		
Manganese	9.424	0.010	0.5	8.832	118	75	125	0	0		
Nickel	0.6131	0.020	0.5	0.1463	93.4	75	125	0	0		
Selenium	0.4529	0.010	0.5	0	90.6	75	125	0	0		
Silver	0.1955	0.010	0.2	0	97.8	75	125	0	0		
Zinc	2.692	0.050	0.5	2.277	83	75	125	0	0		B

Sample ID: 17080277-001AMSD	Customer ID: ZZZZZ	SampType: MSD	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/15/2017	Analysis Date: 8/16/2017	Run ID: ICPMS_170816A			SeqNo: 3744695		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4983	0.010	0.5	0	99.7	75	125	0.4893	1.82	20	
Barium	1.317	0.050	0.5	0.7727	109	75	125	1.278	3.01	20	
Beryllium	0.4521	0.0050	0.5	0	90.4	75	125	0.4623	2.23	20	
Cadmium	0.4391	0.0050	0.5	0.01845	84.1	75	125	0.446	1.56	20	
Chromium	0.5295	0.010	0.5	0.00747	104	75	125	0.5147	2.83	20	
Cobalt	0.5453	0.010	0.5	0.04206	101	75	125	0.5391	1.14	20	
Copper	3.547	0.10	0.5	2.905	128	75	125	3.387	4.61	20	S
Iron	5.461	0.25	2	3.303	108	75	125	5.32	2.62	20	
Lead	0.7216	0.0050	0.5	0.2601	92.3	75	125	0.7398	2.49	20	
Manganese	9.91	0.010	0.5	8.832	216	75	125	9.424	5.03	20	S
Nickel	0.6168	0.020	0.5	0.1463	94.1	75	125	0.6131	0.602	20	
Selenium	0.4541	0.010	0.5	0	90.8	75	125	0.4529	0.265	20	
Silver	0.1935	0.010	0.2	0	96.8	75	125	0.1955	1.03	20	
Zinc	2.773	0.050	0.5	2.277	99.2	75	125	2.692	2.96	20	B

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
IMBW1 8/15/17	ZZZZZ	MBLK	mg/L	SW6020	8/15/2017	8/16/2017		ICPMS_170816A		3744689		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040									
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	0.00076	0.0040									J
Cobalt	ND	0.0040									
Copper	ND	0.010									
Iron	0.04915	0.10									J
Lead	0.00075	0.0020									J
Manganese	0.00181	0.0040									J
Nickel	ND	0.0040									
Selenium	ND	0.0040									
Silver	ND	0.0040									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080266	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102567

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
ILCSW1 8/15/17	ZZZZZ	LCS	mg/L	SW6020	8/15/2017	8/16/2017	ICPMS_170816A				3744690	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		0.482	0.0040	0.5	0	96.4	80	120	0	0		
Barium		0.4955	0.0040	0.5	0	99.1	80	120	0	0		
Beryllium		0.5157	0.0020	0.5	0	103	80	120	0	0		
Cadmium		0.4931	0.0020	0.5	0	98.6	80	120	0	0		
Chromium		0.4956	0.0040	0.5	0.00076	99	80	120	0	0		
Cobalt		0.4937	0.0040	0.5	0	98.7	80	120	0	0		
Copper		0.4788	0.010	0.5	0	95.8	80	120	0	0		
Iron		2.111	0.10	2	0.04915	103	80	120	0	0		
Lead		0.4591	0.0020	0.5	0.00075	91.7	80	120	0	0		
Manganese		0.4956	0.0040	0.5	0.00181	98.8	80	120	0	0		
Nickel		0.4649	0.0040	0.5	0	93	80	120	0	0		
Selenium		0.4712	0.0040	0.5	0	94.2	80	120	0	0		
Silver		0.1991	0.0040	0.2	0	99.6	80	120	0	0		

Qualifiers:	ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits * - Non Accredited Parameter	S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits H/HT - Holding Time Exceeded
	B - Analyte detected in the associated Method Blank E - Value above quantitation range	

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080266	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102610

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW2 8/16/17			50	0	0	50	1.000	8/16/2017	8/16/2017
ILCSW2 8/16/17			50	0	0	50	1.000	8/16/2017	8/16/2017
IMBSPLP2 8/14/17			50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-041B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-041BMS	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-041BMSD	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-042B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-043B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
IMBTA2 8/14/17			50	0	0	50	1.000	8/16/2017	8/16/2017
17080445-002A	Solid		50	0	0	50	1.000	8/16/2017	8/16/2017
17080449-001A	Solid		50	0	0	50	1.000	8/16/2017	8/16/2017
17080449-001AMS	Solid		50	0	0	50	1.000	8/16/2017	8/16/2017
17080266-052B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080266-052BMS	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
IMBTB 8/14/17			50	0	0	50	1.000	8/16/2017	8/16/2017
17070780-001B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
IMBSPLP2 8/14/17	ZZZZZ	MBLK	mg/L	SW1312/6020	8/16/2017	8/16/2017		ICPMS_170816B		3745280		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040									
Barium	ND	0.020									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	0.00134	0.0040									J
Cobalt	ND	0.0040									
Copper	ND	0.020									
Iron	0.0171	0.10									J
Lead	ND	0.0020									
Manganese	ND	0.0040									
Nickel	0.00028	0.0080									J
Selenium	ND	0.0040									
Silver	ND	0.0040									
Zinc	0.02835	0.040									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080286-041BMS	ZZZZZ	MS	mg/L	SW1312/6020	8/16/2017	8/16/2017	ICPMS_170816B			3745285		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4827	0.0040	0.5	0	96.5	75	125	0	0		
Barium	0.5477	0.020	0.5	0.03734	102	75	125	0	0		
Beryllium	0.4937	0.0020	0.5	0	98.7	75	125	0	0		
Cadmium	0.4813	0.0020	0.5	0	96.3	75	125	0	0		
Chromium	0.5168	0.0040	0.5	0.00101	103	75	125	0	0		
Cobalt	0.4978	0.0040	0.5	0.00035	99.5	75	125	0	0		
Copper	0.4797	0.020	0.5	0.00279	95.4	75	125	0	0		
Iron	2.319	0.10	2	0.2096	105	75	125	0	0		
Lead	0.4478	0.0020	0.5	0	89.6	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102610

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080286-041BMS	ZZZZZ	MS	mg/L	SW1312/6020	8/16/2017	8/16/2017	ICPMS_170816B			3745285		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Manganese	0.6223	0.0040	0.5	0.1103	102	75	125	0	0		
Nickel	0.4577	0.0080	0.5	0.00246	91	75	125	0	0		
Selenium	0.4617	0.0040	0.5	0	92.3	75	125	0	0		
Silver	0.1945	0.0040	0.2	0	97.2	75	125	0	0		
Zinc	0.4929	0.040	0.5	0.02818	92.9	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-041BMSD	ZZZZZ	MSD	mg/L	SW1312/6020	8/16/2017	8/16/2017	ICPMS_170816B				3745286	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4758	0.0040	0.5	0	95.2	75	125	0.4827	1.44	20	
Barium	0.5351	0.020	0.5	0.03734	99.6	75	125	0.5477	2.33	20	
Beryllium	0.4976	0.0020	0.5	0	99.5	75	125	0.4937	0.787	20	
Cadmium	0.4759	0.0020	0.5	0	95.2	75	125	0.4813	1.13	20	
Chromium	0.5155	0.0040	0.5	0.00101	103	75	125	0.5168	0.252	20	
Cobalt	0.4958	0.0040	0.5	0.00035	99.1	75	125	0.4978	0.403	20	
Copper	0.4803	0.020	0.5	0.00279	95.5	75	125	0.4797	0.125	20	
Iron	2.309	0.10	2	0.2096	105	75	125	2.319	0.432	20	
Lead	0.4633	0.0020	0.5	0	92.7	75	125	0.4478	3.40	20	
Manganese	0.6178	0.0040	0.5	0.1103	102	75	125	0.6223	0.726	20	
Nickel	0.4625	0.0080	0.5	0.00246	92	75	125	0.4577	1.04	20	
Selenium	0.454	0.0040	0.5	0	90.8	75	125	0.4617	1.68	20	
Silver	0.1898	0.0040	0.2	0	94.9	75	125	0.1945	2.45	20	
Zinc	0.4908	0.040	0.5	0.02818	92.5	75	125	0.4929	0.427	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
IMBTA2 8/14/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/16/2017	8/16/2017		ICPMS_170816B		3745289		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.010										
Barium	ND	0.050										
Beryllium	ND	0.0050										
Cadmium	ND	0.0050										
Chromium	0.00768	0.010										J
Cobalt	ND	0.010										
Copper	0.02449	0.10										J
Iron	ND	0.25										
Lead	ND	0.0050										
Manganese	ND	0.010										
Nickel	0.00353	0.020										J
Selenium	ND	0.010										
Silver	ND	0.010										
Zinc	0.01885	0.10										J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBTB 8/14/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/16/2017	8/16/2017	ICPMS_170816B				3745298	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.010										
Barium	0.00333	0.050										J
Beryllium	ND	0.0050										

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102610

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
IMBTB 8/14/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/16/2017	8/16/2017	ICPMS_170816B			3745298		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cadmium	ND	0.0050									
Chromium	0.00658	0.010									J
Cobalt	ND	0.010									
Copper	0.01569	0.10									J
Iron	ND	0.25									
Lead	ND	0.0050									
Manganese	ND	0.010									
Nickel	0.00544	0.020									J
Selenium	ND	0.010									
Silver	ND	0.010									
Zinc	0.02597	0.050									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080449-001AMS	ZZZZZ	MS	mg/L	SW1311/6020	8/16/2017	8/16/2017	ICPMS_170816B				3745295	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5066	0.010	0.5	0	101	75	125	0	0		
Barium	1.043	0.050	0.5	0.5309	102	75	125	0	0		
Beryllium	0.4535	0.0050	0.5	0	90.7	75	125	0	0		
Cadmium	0.4379	0.0050	0.5	0	87.6	75	125	0	0		
Chromium	0.5557	0.010	0.5	0.00759	110	75	125	0	0		
Cobalt	0.5364	0.010	0.5	0.01686	104	75	125	0	0		
Copper	0.5737	0.10	0.5	0.1026	94.2	75	125	0	0		
Iron	51.69	0.25	2	50.88	40.5	75	125	0	0		SE
Lead	0.5512	0.0050	0.5	0.03922	102	75	125	0	0		
Manganese	3.154	0.010	0.5	2.715	87.8	75	125	0	0		
Nickel	0.5671	0.020	0.5	0.08762	95.9	75	125	0	0		
Selenium	0.4792	0.010	0.5	0	95.8	75	125	0	0		
Silver	0.1786	0.010	0.2	0	89.3	75	125	0	0		
Zinc	1.644	0.10	0.5	1.259	77	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080266-052BMS	2531V-DUP-06	MS	mg/L	SW1311/6020	8/16/2017	8/16/2017	ICPMS_170816B			3745297		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5749	0.010	0.5	0	115	75	125	0	0		
Barium	1.275	0.050	0.5	0.6206	131	75	125	0	0		S
Beryllium	0.528	0.0050	0.5	0	106	75	125	0	0		
Cadmium	0.5319	0.0050	0.5	0.0038	106	75	125	0	0		
Chromium	0.6424	0.010	0.5	0.00857	127	75	125	0	0		S
Cobalt	0.6043	0.010	0.5	0.00334	120	75	125	0	0		
Copper	0.5563	0.10	0.5	0.0348	104	75	125	0	0		
Iron	5.061	0.25	2	2.232	141	75	125	0	0		S
Lead	0.5773	0.0050	0.5	0	115	75	125	0	0		
Manganese	4.683	0.010	0.5	3.8	177	75	125	0	0		S
Nickel	0.6226	0.020	0.5	0.05436	114	75	125	0	0		
Selenium	0.5461	0.010	0.5	0	109	75	125	0	0		
Silver	0.2093	0.010	0.2	0	105	75	125	0	0		
Zinc	0.5389	0.050	0.5	0.04027	99.7	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102610

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
IMBW2 8/16/17	ZZZZZ	MBLK	mg/L	SW6020	8/16/2017	8/16/2017	ICPMS_170816B			3745278		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040										
Barium	ND	0.0040										
Beryllium	ND	0.0020										
Cadmium	ND	0.0020										
Chromium	ND	0.0040										
Cobalt	ND	0.0040										
Copper	ND	0.010										
Iron	0.01793	0.10										J
Lead	ND	0.0020										
Manganese	ND	0.0040										
Nickel	ND	0.0040										
Selenium	ND	0.0040										
Silver	ND	0.0040										
Zinc	0.03001	0.040										J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
ILCSW2 8/16/17	ZZZZZ	LCS	mg/L	SW6020	8/16/2017	8/16/2017		ICPMS_170816B		3745279		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4792	0.0040	0.5	0	95.8	80	120	0	0		
Barium	0.4937	0.0040	0.5	0	98.7	80	120	0	0		
Beryllium	0.5191	0.0020	0.5	0	104	80	120	0	0		
Cadmium	0.485	0.0020	0.5	0	97	80	120	0	0		
Chromium	0.5086	0.0040	0.5	0	102	80	120	0	0		
Cobalt	0.4976	0.0040	0.5	0	99.5	80	120	0	0		
Copper	0.4865	0.010	0.5	0	97.3	80	120	0	0		
Iron	2.121	0.10	2	0.01793	105	80	120	0	0		
Lead	0.4684	0.0020	0.5	0	93.7	80	120	0	0		
Manganese	0.5053	0.0040	0.5	0	101	80	120	0	0		
Nickel	0.4627	0.0040	0.5	0	92.5	80	120	0	0		
Selenium	0.4727	0.0040	0.5	0	94.5	80	120	0	0		
Silver	0.1933	0.0040	0.2	0	96.6	80	120	0	0		
Zinc	0.5104	0.040	0.5	0.03001	96.1	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080266	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102439

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW2 8/9/17			30	0	0	30	1.000	8/9/2017	8/9/2017
HGLCSW2 8/9/17			30	0	0	30	1.000	8/9/2017	8/9/2017
HGMB SPLP 8/8/17			30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-021B	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-022B	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-023B	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-024B	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-025B	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-026B	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-027B	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-028B	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-029B	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-030B	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-031B	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-032B	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-033B	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-034B	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-035B	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-036B	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-037B	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-038B	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-024BMS	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017
17080266-024BMSD	Soil		30	0	0	30	1.000	8/9/2017	8/9/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
HGMB SPLP 8/8/17	ZZZZZ	MBLK	mg/L	SW1312/7470A	8/9/2017	8/10/2017	CETAC 2_170810E			3737612		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-024BMS	2531V-18-05 (5-9)	MS	mg/L	SW1312/7470A	8/9/2017	8/10/2017	CETAC 2_170810E				3737617	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0025	0.00025	0.0025	0.00001	99.6	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-024BMSD	2531V-18-05 (5-9)	MSD	mg/L	SW1312/7470A	8/9/2017	8/10/2017	CETAC 2_170810E				3737618	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0024	0.00025	0.0025	0.00001	95.6	75	125	0.0025	4.08	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBW2 8/9/17	ZZZZZ	MBLK	mg/L	SW7470A	8/9/2017	8/10/2017	CETAC 2_170810E				3737610	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.00020									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080266	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102439

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGLCSW2 8/9/17	ZZZZZ	LCS	mg/L	SW7470A	8/9/2017	8/10/2017	CETAC 2_170810E				3737611	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0025	0.00020	0.0025	0	100	85	115	0	0		

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102480

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS1 8/10/17			0.3	0	0	30	100.000	8/10/2017	8/10/2017
HGLCSS1 8/10/17			0.3	0	0	30	100.000	8/10/2017	8/10/2017
17080223-001B	Soil		0.306	0	0	30	98.039	8/10/2017	8/10/2017
17080223-003A	Soil		0.354	0	0	30	84.746	8/10/2017	8/10/2017
17080223-006A	Soil		0.301	0	0	30	99.668	8/10/2017	8/10/2017
17080223-008A	Soil		0.327	0	0	30	91.743	8/10/2017	8/10/2017
17080266-041B	Soil		0.314	0	0	30	95.541	8/10/2017	8/10/2017
17080266-042B	Soil		0.326	0	0	30	92.025	8/10/2017	8/10/2017
17080266-043B	Soil		0.342	0	0	30	87.719	8/10/2017	8/10/2017
17080266-044B	Soil		0.34	0	0	30	88.235	8/10/2017	8/10/2017
17080266-045B	Soil		0.33	0	0	30	90.909	8/10/2017	8/10/2017
17080266-046B	Soil		0.33	0	0	30	90.909	8/10/2017	8/10/2017
17080266-047B	Soil		0.322	0	0	30	93.168	8/10/2017	8/10/2017
17080266-048B	Soil		0.382	0	0	30	78.534	8/10/2017	8/10/2017
17080266-049B	Soil		0.309	0	0	30	97.087	8/10/2017	8/10/2017
17080266-049BMS	Soil		0.305	0	0	30	98.361	8/10/2017	8/10/2017
17080266-049BMSD	Soil		0.308	0	0	30	97.403	8/10/2017	8/10/2017
17080266-050B	Soil		0.306	0	0	30	98.039	8/10/2017	8/10/2017
17080266-051B	Soil		0.335	0	0	30	89.552	8/10/2017	8/10/2017
17080266-052B	Soil		0.312	0	0	30	96.154	8/10/2017	8/10/2017
17080266-053B	Soil		0.324	0	0	30	92.593	8/10/2017	8/10/2017
17080266-054B	Soil		0.34	0	0	30	88.235	8/10/2017	8/10/2017
17080279-001B	Soil		0.363	0	0	30	82.645	8/10/2017	8/10/2017
17080279-002B	Soil		0.327	0	0	30	91.743	8/10/2017	8/10/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMBS1 8/10/17	ZZZZZ	MBLK	mg/Kg	SW7471A	8/10/2017	8/10/2017		CETAC 2_170810C			3737432	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGLCSS1 8/10/17	ZZZZZ	LCS	mg/Kg	SW7471A	8/10/2017	8/10/2017	CETAC 2_170810C				3737433	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.25	0.020	0.25	0	100	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080266-049BMS	2531V-34-09 (7-14)	MS	mg/Kg-dry	SW7471A	8/10/2017	8/10/2017	CETAC 2_170810C			3737450		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.3428	0.024	0.2956	0.02684	107	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080266-049BMSD	2531V-34-09 (7-14)	MSD	mg/Kg-dry	SW7471A	8/10/2017	8/10/2017	CETAC 2_170810C			3737462		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.2927	0.023	0.2927	0.02684	90.8	75	125	0.3428	15.8	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102481

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 8/10/17			30	0	0	30	1.000	8/10/2017	8/10/2017
HGLCSW1 8/10/17			30	0	0	30	1.000	8/10/2017	8/10/2017
HGMBTA1 8/9/17			30	0	0	30	1.000	8/10/2017	8/10/2017
17080301-001A	Solid		30	0	0	30	1.000	8/10/2017	8/10/2017
17080282-001A	Aqueous		30	0	0	30	1.000	8/10/2017	8/10/2017
17080285-001B	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
17080331-001A	Solid		30	0	0	30	1.000	8/10/2017	8/10/2017
HGMBTA2 8/9/17			30	0	0	30	1.000	8/10/2017	8/10/2017
17080284-001B	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
17080153-001A	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
17080153-001AMS	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
17080153-001AMSD	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
HGMBTB 8/9/17			30	0	0	30	1.000	8/10/2017	8/10/2017
17080266-002B	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
17080266-002BMS	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
17080266-001B	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
17080266-003B	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
17080266-004B	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
17080266-005B	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
17080266-006B	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
17080266-007B	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
17080266-008B	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
17080266-009B	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
17080266-010B	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
17080266-011B	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
17080266-001BMS	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
17080098-002B	Soil		30	0	0	30	1.000	8/10/2017	8/10/2017
HGMBTA1 8/10/17			30	0	0	30	1.000	8/11/2017	8/11/2017
17080365-001A	Solid		30	0	0	30	1.000	8/11/2017	8/11/2017
17080365-002A	Solid		30	0	0	30	1.000	8/11/2017	8/11/2017
17080365-002AMS	Solid		30	0	0	30	1.000	8/11/2017	8/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBTA1 8/9/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/10/2017	8/10/2017	CETAC 2_170810D				3737534	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury ND 0.00020

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBTA2 8/9/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/10/2017	8/10/2017	CETAC 2_170810D				3737539	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.00001 0.00020 J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBTB 8/9/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/10/2017	8/10/2017	CETAC 2_170810D				3737546	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.00001 0.00020 J

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102481

Sample ID: HGMBTA1 8/10/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/11/2017	Analysis Date: 8/11/2017	Run ID: CETAC 2_170811A				SeqNo: 3737830	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00002	0.00020									J
Sample ID: 17080153-001AMS	Customer ID: ZZZZZ	SampType: MS	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/10/2017	Analysis Date: 8/10/2017	Run ID: CETAC 2_170810D				SeqNo: 3737544	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0024	0.00020	0.0025	0.00004	94.4	75	125	0	0		
Sample ID: 17080266-002BMS	Customer ID: 2531V-13-01 (5-9)	SampType: MS	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/10/2017	Analysis Date: 8/10/2017	Run ID: CETAC 2_170810D				SeqNo: 3737548	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0026	0.00020	0.0025	0.00001	104	75	125	0	0		
Sample ID: 17080266-001BMS	Customer ID: 2531V-13-01 (0-5)	SampType: MS	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/10/2017	Analysis Date: 8/10/2017	Run ID: CETAC 2_170810D				SeqNo: 3737550	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0024	0.00020	0.0025	0	96	75	125	0	0		
Sample ID: 17080365-002AMS	Customer ID: ZZZZZ	SampType: MS	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/11/2017	Analysis Date: 8/11/2017	Run ID: CETAC 2_170811A				SeqNo: 3737833	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0026	0.00020	0.0025	0.00002	103	75	125	0	0		
Sample ID: 17080153-001AMSD	Customer ID: ZZZZZ	SampType: MSD	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/10/2017	Analysis Date: 8/10/2017	Run ID: CETAC 2_170810D				SeqNo: 3737545	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0025	0.00020	0.0025	0.00004	98.4	75	125	0.0024	4.08	20	
Sample ID: HGMBW1 8/10/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW7470A	Prep Date: 8/10/2017	Analysis Date: 8/10/2017	Run ID: CETAC 2_170810D				SeqNo: 3737532	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.00020									
Sample ID: HGLCSW1 8/10/17	Customer ID: ZZZZZ	SampType: LCS	Units: mg/L	TestNo: SW7470A	Prep Date: 8/10/2017	Analysis Date: 8/10/2017	Run ID: CETAC 2_170810D				SeqNo: 3737566	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0025	0.00020	0.0025	0	100	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102482

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS2 8/10/17			0.3	0	0	30	100.000	8/10/2017	8/10/2017
HGLCSS2 8/10/17			0.3	0	0	30	100.000	8/10/2017	8/10/2017
17080266-001B	Soil		0.369	0	0	30	81.301	8/10/2017	8/10/2017
17080266-002B	Soil		0.321	0	0	30	93.458	8/10/2017	8/10/2017
17080266-003B	Soil		0.321	0	0	30	93.458	8/10/2017	8/10/2017
17080266-004B	Soil		0.302	0	0	30	99.338	8/10/2017	8/10/2017
17080266-005B	Soil		0.338	0	0	30	88.757	8/10/2017	8/10/2017
17080266-006B	Soil		0.308	0	0	30	97.403	8/10/2017	8/10/2017
17080266-007B	Soil		0.334	0	0	30	89.820	8/10/2017	8/10/2017
17080266-008B	Soil		0.317	0	0	30	94.637	8/10/2017	8/10/2017
17080266-009B	Soil		0.306	0	0	30	98.039	8/10/2017	8/10/2017
17080266-010B	Soil		0.337	0	0	30	89.021	8/10/2017	8/10/2017
17080266-011B	Soil		0.397	0	0	30	75.567	8/10/2017	8/10/2017
17080266-012B	Soil		0.395	0	0	30	75.949	8/10/2017	8/10/2017
17080266-013B	Soil		0.316	0	0	30	94.937	8/10/2017	8/10/2017
17080266-014B	Soil		0.363	0	0	30	82.645	8/10/2017	8/10/2017
17080266-015B	Soil		0.362	0	0	30	82.873	8/10/2017	8/10/2017
17080266-016B	Soil		0.366	0	0	30	81.967	8/10/2017	8/10/2017
17080266-017B	Soil		0.337	0	0	30	89.021	8/10/2017	8/10/2017
17080266-018B	Soil		0.346	0	0	30	86.705	8/10/2017	8/10/2017
17080266-019B	Soil		0.323	0	0	30	92.879	8/10/2017	8/10/2017
17080266-020B	Soil		0.378	0	0	30	79.365	8/10/2017	8/10/2017
17080266-002BMS	Soil		0.325	0	0	30	92.308	8/10/2017	8/10/2017
17080266-002BMSD	Soil		0.322	0	0	30	93.168	8/10/2017	8/10/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMBS2 8/10/17	ZZZZZ	MBLK	mg/Kg	SW7471A	8/10/2017	8/11/2017		CETAC 2_170811C			3740311	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGLCSS2 8/10/17	ZZZZZ	LCS	mg/Kg	SW7471A	8/10/2017	8/11/2017		CETAC 2_170811C			3740312	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
17080266-002BMS	2531V-13-01 (5-9)	MS	mg/Kg-dry	SW7471A	8/10/2017	8/11/2017		CETAC 2_170811C			3740315	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-002BMSD	2531V-13-01 (5-9)	MSD	mg/Kg-dry	SW7471A	8/10/2017	8/11/2017	CETAC 2_170811C				3740316	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.3009	0.022	0.2786	0.02348	99.6	75	125	0.3092	2.71	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102483

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS3 8/10/17			0.3	0	0	30	100.000	8/10/2017	8/10/2017
HGLCSS3 8/10/17			0.3	0	0	30	100.000	8/10/2017	8/10/2017
17080266-021B	Soil		0.309	0	0	30	97.087	8/10/2017	8/10/2017
17080266-022B	Soil		0.345	0	0	30	86.957	8/10/2017	8/10/2017
17080266-023B	Soil		0.379	0	0	30	79.156	8/10/2017	8/10/2017
17080266-024B	Soil		0.397	0	0	30	75.567	8/10/2017	8/10/2017
17080266-025B	Soil		0.395	0	0	30	75.949	8/10/2017	8/10/2017
17080266-026B	Soil		0.335	0	0	30	89.552	8/10/2017	8/10/2017
17080266-027B	Soil		0.307	0	0	30	97.720	8/10/2017	8/10/2017
17080266-028B	Soil		0.327	0	0	30	91.743	8/10/2017	8/10/2017
17080266-029B	Soil		0.306	0	0	30	98.039	8/10/2017	8/10/2017
17080266-030B	Soil		0.325	0	0	30	92.308	8/10/2017	8/10/2017
17080266-031B	Soil		0.301	0	0	30	99.668	8/10/2017	8/10/2017
17080266-032B	Soil		0.312	0	0	30	96.154	8/10/2017	8/10/2017
17080266-033B	Soil		0.338	0	0	30	88.757	8/10/2017	8/10/2017
17080266-034B	Soil		0.398	0	0	30	75.377	8/10/2017	8/10/2017
17080266-035B	Soil		0.33	0	0	30	90.909	8/10/2017	8/10/2017
17080266-036B	Soil		0.302	0	0	30	99.338	8/10/2017	8/10/2017
17080266-037B	Soil		0.327	0	0	30	91.743	8/10/2017	8/10/2017
17080266-038B	Soil		0.373	0	0	30	80.429	8/10/2017	8/10/2017
17080266-039B	Soil		0.34	0	0	30	88.235	8/10/2017	8/10/2017
17080266-040B	Soil		0.386	0	0	30	77.720	8/10/2017	8/10/2017
17080266-036BMS	Soil		0.305	0	0	30	98.361	8/10/2017	8/10/2017
17080266-036BMSD	Soil		0.305	0	0	30	98.361	8/10/2017	8/10/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMBS3 8/10/17	ZZZZZ	MBLK	mg/Kg	SW7471A	8/10/2017	8/11/2017		CETAC 2_170811C			3740339	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGLCSS3 8/10/17	ZZZZZ	LCS	mg/Kg	SW7471A	8/10/2017	8/11/2017		CETAC 2_170811C			3740340	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
17080266-036BMS	2531V-33-03 (0-1)	MS	mg/Kg-dry	SW7471A	8/10/2017	8/11/2017		CETAC 2_170811C			3740361	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-036BMSD	2531V-33-03 (0-1)	MSD	mg/Kg-dry	SW7471A	8/10/2017	8/11/2017	CETAC 2_170811C				3740362	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.297	0.023	0.2856	0.03807	90.7	75	125	0.3084	3.77	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080266	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102491

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW2 8/10/17			30	0	0	30	1.000	8/10/2017	8/11/2017
HGLCSW2 8/10/17			30	0	0	30	1.000	8/10/2017	8/11/2017
HGMB SPL 8/9/17			30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-001B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-002B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-003B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-004B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-005B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-006B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-007B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-008B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-009B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-010B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-011B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-012B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-013B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-014B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-015B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-016B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-017B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-018B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-019B	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-004BMS	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017
17080266-004BMSD	Soil		30	0	0	30	1.000	8/10/2017	8/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMB SPL 8/9/17	ZZZZZ	MBLK	mg/L	SW1312/7470A	8/10/2017	8/11/2017	CETAC 2_170811B				3737904	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00003	0.00025									J
Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-004BMS	2531V-13-02 (5-9)	MS	mg/L	SW1312/7470A	8/10/2017	8/11/2017	CETAC 2_170811B				3737909	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0025	0.00025	0.0025	0.00004	98.4	75	125	0	0		
Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-004BMSD	2531V-13-02 (5-9)	MSD	mg/L	SW1312/7470A	8/10/2017	8/11/2017	CETAC 2_170811B				3737910	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0023	0.00025	0.0025	0.00004	90.4	75	125	0.0025	8.33	20	
Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBW2 8/10/17	ZZZZZ	MBLK	mg/L	SW7470A	8/10/2017	8/11/2017	CETAC 2_170811B				3737902	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.00020									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080266	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102491

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGLCSW2 8/10/17	ZZZZZ	LCS	mg/L	SW7470A	8/10/2017	8/11/2017	CETAC 2_170811B				3737903	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0026	0.00020	0.0025	0.00003	103	85	115	0	0		

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102529

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 8/11/17			30	0	0	30	1.000	8/11/2017	8/11/2017
HGLCSW1 8/11/17			30	0	0	30	1.000	8/11/2017	8/11/2017
HGMBTA1 8/10/17			30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-012B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-013B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-014B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-015B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-016B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-017B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-018B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-019B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-020B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-021B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-022B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-023B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-024B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-025B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-026B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-026BMS	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-026BMSD	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
HGMBTB 8/10/17			30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-019BMS	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBTA1 8/10/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/11/2017	8/14/2017	CETAC 2_170814C				3741115	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.00020									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBTB 8/10/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/11/2017	8/14/2017	CETAC 2_170814C				3741134	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.00020									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-026BMS	2531V-18-06 (5-9)	MS	mg/L	SW1311/7470A	8/11/2017	8/14/2017	CETAC 2_170814C				3741132	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0027	0.00020	0.0025	0	108	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-019BMS	2531V-18-03 (0-5)	MS	mg/L	SW1311/7470A	8/11/2017	8/14/2017	CETAC 2_170814C				3741138	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0027	0.00020	0.0025	0	108	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-026BMSD	2531V-18-06 (5-9)	MSD	mg/L	SW1311/7470A	8/11/2017	8/14/2017	CETAC 2_170814C				3741133	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.**Work Order:** 17080266**Project:** 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL**ANALYTICAL QC SUMMARY REPORT****Metals****BatchID: 102529**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-026BMSD	2531V-18-06 (5-9)	MSD	mg/L	SW1311/7470A	8/11/2017	8/14/2017	CETAC 2_170814C				3741133	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury		0.0026	0.00020	0.0025	0	104	75	125	0.0027	3.77	20

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBW1 8/11/17	ZZZZZ	MBLK	mg/L	SW7470A	8/11/2017	8/14/2017	CETAC 2_170814C				3741113	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury		ND	0.00020

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGLCSW1 8/11/17	ZZZZZ	LCS	mg/L	SW7470A	8/11/2017	8/14/2017		CETAC 2_170814C		3741114		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury		0.0024	0.00020	0.0025	0	96	85	115	0	0

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102530

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW2 8/11/17			30	0	0	30	1.000	8/11/2017	8/11/2017
HGLCSW2 8/11/17			30	0	0	30	1.000	8/11/2017	8/11/2017
HGMB SPL 8/10/17			30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-020B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-039B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-040B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-041B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-042B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-042BMS	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-042BMSD	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-043B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-044B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-045B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-046B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-047B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-048B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-049B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-050B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-051B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-052B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-053B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-054B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080286-001B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080286-002B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGMB SPL 8/10/17	ZZZZZ	MBLK	mg/L	SW1312/7470A	8/11/2017	8/14/2017		CETAC 2_170814C		3741083		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury ND 0.00025

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-042BMS	2531V-34-05 (0-7)	MS	mg/L	SW1312/7470A	8/11/2017	8/14/2017	CETAC 2_170814C				3741089	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0024 0.00025 0.0025 0 96 75 125 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-042BMSD	2531V-34-05 (0-7)	MSD	mg/L	SW1312/7470A	8/11/2017	8/14/2017	CETAC 2_170814C				3741090	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0026 0.00025 0.0025 0 104 75 125 0.0024 8.00 20

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBW2 8/11/17	ZZZZZ	MBLK	mg/L	SW7470A	8/11/2017	8/14/2017	CETAC 2_170814C				3741081	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury ND 0.00020

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080266	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102530

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGLCSW2 8/11/17	ZZZZZ	LCS	mg/L	SW7470A	8/11/2017	8/14/2017	CETAC 2_170814C				3741082	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0026	0.00020	0.0025	0	104	85	115	0	0		

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080266	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102531

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 8/14/17			30	0	0	30	1.000	8/14/2017	8/14/2017
HGLCSW1 8/14/17			30	0	0	30	1.000	8/14/2017	8/14/2017
HGMBTA1 8/11/17			30	0	0	30	1.000	8/14/2017	8/14/2017
17080390-001A	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080409-001A	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080266-040B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080266-040BMS	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080266-040BMSD	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080266-030B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080266-031B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080266-032B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080266-033B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080266-034B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080266-035B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080266-036B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080266-037B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080266-038B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080266-039B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
HGMBTB 8/11/17			30	0	0	30	1.000	8/14/2017	8/14/2017
17080266-027B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080266-028B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080266-028BMS	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080266-029B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080266-041B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
HGMBTA1 8/14/17			30	0	0	30	1.000	8/15/2017	8/15/2017
17080277-001A	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080442-001A	Sludge		30	0	0	30	1.000	8/15/2017	8/15/2017
17080444-001A	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080444-001AMS	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGMBTA1 8/11/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/14/2017	8/14/2017		CETAC 2_170814B		3740704		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury ND 0.00020

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBTB 8/11/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/14/2017	8/14/2017	CETAC 2_170814E				3741265	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.00001 0.00020 J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGMBTA1 8/14/17	ZZZZZ	MBLK	µg/L	SW1311/7470A	8/15/2017	8/15/2017		CETAC 2_170815B		3742531		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury ND 0.25

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080266

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102531

Sample ID: 17080266-040BMS	Customer ID: 2531V-34-04 (0-7)	SampType: MS	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/14/2017	Analysis Date: 8/14/2017	Run ID: CETAC 2_170814B				SeqNo: 3740708	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury	0.0027	0.00020	0.0025	0	108	75	125	0	0

Sample ID: 17080266-028BMS	Customer ID: 2531V-23-02 (0-1)	SampType: MS	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/14/2017	Analysis Date: 8/14/2017	Run ID: CETAC 2_170814E				SeqNo: 3741268	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury	0.0028	0.00020	0.0025	0.00001	112	75	125	0	0

Sample ID: 17080444-001AMS	Customer ID: ZZZZZ	SampType: MS	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/15/2017	Analysis Date: 8/15/2017	Run ID: CETAC 2_170815B				SeqNo: 3742535	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury	0.0027	0.00020	0.0025	0	108	75	125	0	0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-040BMSD	2531V-34-04 (0-7)	MSD	mg/L	SW1311/7470A	8/14/2017	8/14/2017	CETAC 2_170814B				3740709	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury	0.0027	0.00020	0.0025	0	108	75	125	0.0027	0	20

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGMBW1 8/14/17	ZZZZZ	MBLK	mg/L	SW7470A	8/14/2017	8/14/2017		CETAC 2_170814B		3740702		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury	ND	0.00020

Sample ID: HGLCSW1 8/14/17	Customer ID: ZZZZZ	SampType: LCS	Units: mg/L	TestNo: SW7470A	Prep Date: 8/14/2017	Analysis Date: 8/14/2017	Run ID: CETAC 2_170814B				SeqNo: 3740703	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury	0.0028	0.00020	0.0025	0	112	85	115	0	0

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102577

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 8/15/17			30	0	0	30	1.000	8/15/2017	8/15/2017
HGLCSW1 8/15/17			30	0	0	30	1.000	8/15/2017	8/15/2017
HGMBTB 8/14/17			30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-052B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-052BMS	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
HGMBTA1 8/14/17			30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-042B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-042BMS	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-042BMSD	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-043B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-044B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-045B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-046B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-047B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-048B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-049B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-050B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-051B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-053B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-054B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-001B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGMBTB 8/14/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/15/2017	8/15/2017		CETAC 2_170815C		3742783		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury ND 0.00020

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBTA1 8/14/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/15/2017	8/15/2017	CETAC 2_170815C				3742786	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury ND 0.00020

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-052BMS	2531V-DUP-06	MS	mg/L	SW1311/7470A	8/15/2017	8/15/2017	CETAC 2_170815C				3742785	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0027 0.00020 0.0025 0 108 75 125 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-042BMS	2531V-34-05 (0-7)	MS	mg/L	SW1311/7470A	8/15/2017	8/15/2017	CETAC 2_170815C				3742788	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0026 0.00020 0.0025 0 104 75 125 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-042BMSD	2531V-34-05 (0-7)	MSD	mg/L	SW1311/7470A	8/15/2017	8/15/2017	CETAC 2_170815C				3742789	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0026 0.00020 0.0025 0 104 75 125 0.0026 0 20

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

Sample ID: HGMBW1 8/15/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW7470A	Prep Date: 8/15/2017	Analysis Date: 8/15/2017	Run ID: CETAC 2_170815C			SeqNo: 3742781		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.00020									

Sample ID: HGLCSW1 8/15/17	Customer ID: ZZZZZ	SampType: LCS	Units: mg/L	TestNo: SW7470A	Prep Date: 8/15/2017	Analysis Date: 8/15/2017	Run ID: CETAC 2_170815C			SeqNo: 3742782		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0028	0.00020	0.0025	0	112	85	115	0	0		

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134779

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3735540	17080098-002B	SAMP	PH_S	R134779	1	08/09/2017
3735541	17080259-001B	SAMP	PH_S	R134779	1	08/09/2017
3735542	17080261-002A	SAMP	PH_S	R134779	1	08/09/2017
3735543	17080265-001B	SAMP	PH_S	R134779	1	08/09/2017
3735544	17080265-004A	SAMP	PH_S	R134779	1	08/09/2017
3735545	17080265-007A	SAMP	PH_S	R134779	1	08/09/2017
3735546	17080265-010A	SAMP	PH_S	R134779	1	08/09/2017
3735547	17080265-011B	SAMP	PH_S	R134779	1	08/09/2017
3735548	17080265-013A	SAMP	PH_S	R134779	1	08/09/2017
3735549	17080265-014A	SAMP	PH_S	R134779	1	08/09/2017
3735550	17080266-001B	SAMP	PH_S	R134779	1	08/09/2017
3735551	17080266-002B	SAMP	PH_S	R134779	1	08/09/2017
3735552	17080266-003B	SAMP	PH_S	R134779	1	08/09/2017
3735553	17080266-004B	SAMP	PH_S	R134779	1	08/09/2017
3735554	17080266-005B	SAMP	PH_S	R134779	1	08/09/2017
3735555	17080266-006B	SAMP	PH_S	R134779	1	08/09/2017
3735556	17080266-007B	SAMP	PH_S	R134779	1	08/09/2017
3735557	17080284-001B	SAMP	PH_S	R134779	1	08/09/2017
3735558	17080284-001BDUP	DUP	PH_S	R134779	1	08/09/2017
3735559	17080285-001B	SAMP	PH_S	R134779	1	08/09/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
17080284-001BDUP	ZZZZZ	DUP	pH Units	SW9045C	8/9/2017	8/9/2017			PH_170809C		3735558	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH		7.67	0	0	0	0	0	0	7.65	0.261	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134818

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3736686	17080266-008B	SAMP	PH_S	R134818	1	08/10/2017
3736687	17080266-008BDUP	DUP	PH_S	R134818	1	08/10/2017
3736688	17080266-009B	SAMP	PH_S	R134818	1	08/10/2017
3736689	17080266-010B	SAMP	PH_S	R134818	1	08/10/2017
3736690	17080266-011B	SAMP	PH_S	R134818	1	08/10/2017
3736691	17080266-012B	SAMP	PH_S	R134818	1	08/10/2017
3736692	17080266-013B	SAMP	PH_S	R134818	1	08/10/2017
3736693	17080266-014B	SAMP	PH_S	R134818	1	08/10/2017
3736694	17080266-015B	SAMP	PH_S	R134818	1	08/10/2017
3736695	17080266-016B	SAMP	PH_S	R134818	1	08/10/2017
3736696	17080266-017B	SAMP	PH_S	R134818	1	08/10/2017
3736697	17080266-018B	SAMP	PH_S	R134818	1	08/10/2017
3736698	17080266-019B	SAMP	PH_S	R134818	1	08/10/2017
3736699	17080266-020B	SAMP	PH_S	R134818	1	08/10/2017
3736700	17080266-021B	SAMP	PH_S	R134818	1	08/10/2017
3736701	17080266-022B	SAMP	PH_S	R134818	1	08/10/2017
3736702	17080266-023B	SAMP	PH_S	R134818	1	08/10/2017
3736703	17080266-024B	SAMP	PH_S	R134818	1	08/10/2017
3736704	17080266-025B	SAMP	PH_S	R134818	1	08/10/2017
3736705	17080266-026B	SAMP	PH_S	R134818	1	08/10/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080266-008BDUP	2531V-13-04 (5-9)	DUP	pH Units	SW9045C	8/10/2017	8/10/2017	PH_170810A			3736687		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH		7.84	0	0	0	0	0	0	7.71	1.67	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134868

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3738194	17080077-001B	SAMP	PH_S	R134868	1	08/11/2017
3738195	17080266-027B	SAMP	PH_S	R134868	1	08/11/2017
3738196	17080266-028B	SAMP	PH_S	R134868	1	08/11/2017
3738197	17080266-029B	SAMP	PH_S	R134868	1	08/11/2017
3738198	17080266-030B	SAMP	PH_S	R134868	1	08/11/2017
3738199	17080266-031B	SAMP	PH_S	R134868	1	08/11/2017
3738200	17080266-032B	SAMP	PH_S	R134868	1	08/11/2017
3738201	17080266-033B	SAMP	PH_S	R134868	1	08/11/2017
3738202	17080266-034B	SAMP	PH_S	R134868	1	08/11/2017
3738203	17080266-035B	SAMP	PH_S	R134868	1	08/11/2017
3738204	17080266-036B	SAMP	PH_S	R134868	1	08/11/2017
3738205	17080266-037B	SAMP	PH_S	R134868	1	08/11/2017
3738206	17080266-038B	SAMP	PH_S	R134868	1	08/11/2017
3738207	17080266-039B	SAMP	PH_S	R134868	1	08/11/2017
3738208	17080266-040B	SAMP	PH_S	R134868	1	08/11/2017
3738209	17080266-041B	SAMP	PH_S	R134868	1	08/11/2017
3738210	17080266-042B	SAMP	PH_S	R134868	1	08/11/2017
3738211	17080390-001A	SAMP	PH_S	R134868	1	08/11/2017
3738212	17080390-001ADUP	DUP	PH_S	R134868	1	08/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
17080390-001ADUP	ZZZZZ	DUP	pH Units	SW9045C	8/11/2017	8/11/2017			PH_170811B		3738212	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH		8.28	0	0	0	0	0	0	8.24	0.484	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134869

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3738213	17080266-043B	SAMP	PH_S	R134869	1	08/11/2017
3738214	17080266-044B	SAMP	PH_S	R134869	1	08/11/2017
3738215	17080266-044BDUP	DUP	PH_S	R134869	1	08/11/2017
3738216	17080266-045B	SAMP	PH_S	R134869	1	08/11/2017
3738217	17080266-046B	SAMP	PH_S	R134869	1	08/11/2017
3738218	17080266-047B	SAMP	PH_S	R134869	1	08/11/2017
3738219	17080266-048B	SAMP	PH_S	R134869	1	08/11/2017
3738220	17080266-049B	SAMP	PH_S	R134869	1	08/11/2017
3738221	17080266-050B	SAMP	PH_S	R134869	1	08/11/2017
3738222	17080266-051B	SAMP	PH_S	R134869	1	08/11/2017
3738223	17080266-052B	SAMP	PH_S	R134869	1	08/11/2017
3738224	17080266-053B	SAMP	PH_S	R134869	1	08/11/2017
3738225	17080266-054B	SAMP	PH_S	R134869	1	08/11/2017
3738226	17080276-001A	SAMP	PH_S	R134869	1	08/11/2017
3738227	17080277-001A	SAMP	PH_S	R134869	1	08/11/2017
3738228	17080279-001B	SAMP	PH_S	R134869	1	08/11/2017
3738229	17080279-002B	SAMP	PH_S	R134869	1	08/11/2017
3738230	17080283-003B	SAMP	PH_S	R134869	1	08/11/2017
3738231	17080283-004B	SAMP	PH_S	R134869	1	08/11/2017
3738232	17080283-006B	SAMP	PH_S	R134869	1	08/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-044BDUP	2531V-34-06 (0-7)	DUP	pH Units	SW9045C	8/11/2017	8/11/2017	PH_170811C				3738215	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH		8.5	0	0	0	0	0	0	8.6	1.17	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134789

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3735938	PMBLK3 8/9/17	MBLK	PMOIST	R134789	1	08/10/2017
3735939	PMLCS-S3 8/9/17	LCS	PMOIST	R134789	1	08/10/2017
3735940	PMLCS-W3 8/9/17	LCS	PMOIST	R134789	1	08/10/2017
3735941	17080266-031B	SAMP	PMOIST	R134789	1	08/10/2017
3735942	17080266-031B DUP	DUP	PMOIST	R134789	1	08/10/2017
3735943	17080266-021B	SAMP	PMOIST	R134789	1	08/10/2017
3735944	17080266-022B	SAMP	PMOIST	R134789	1	08/10/2017
3735945	17080266-023B	SAMP	PMOIST	R134789	1	08/10/2017
3735946	17080266-024B	SAMP	PMOIST	R134789	1	08/10/2017
3735947	17080266-025B	SAMP	PMOIST	R134789	1	08/10/2017
3735948	17080266-026B	SAMP	PMOIST	R134789	1	08/10/2017
3735949	17080266-027B	SAMP	PMOIST	R134789	1	08/10/2017
3735950	17080266-028B	SAMP	PMOIST	R134789	1	08/10/2017
3735951	17080266-029B	SAMP	PMOIST	R134789	1	08/10/2017
3735952	17080266-030B	SAMP	PMOIST	R134789	1	08/10/2017
3735953	17080266-032B	SAMP	PMOIST	R134789	1	08/10/2017
3735954	17080266-033B	SAMP	PMOIST	R134789	1	08/10/2017
3735955	17080266-034B	SAMP	PMOIST	R134789	1	08/10/2017
3735956	17080266-035B	SAMP	PMOIST	R134789	1	08/10/2017
3735957	17080266-036B	SAMP	PMOIST	R134789	1	08/10/2017
3735958	17080266-037B	SAMP	PMOIST	R134789	1	08/10/2017
3735959	17080266-038B	SAMP	PMOIST	R134789	1	08/10/2017
3735960	17080266-039B	SAMP	PMOIST	R134789	1	08/10/2017
3735961	17080266-040B	SAMP	PMOIST	R134789	1	08/10/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMBLK3 8/9/17	ZZZZZ	MBLK	wt%	D2974	8/9/2017	8/10/2017	BALANCE_170809C				3735938	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		ND	0.200									*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-S3 8/9/17	ZZZZZ	LCS	wt%	D2974	8/9/2017	8/10/2017	BALANCE_170809C				3735939	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		4.61	0.200	5	0	92.2	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-W3 8/9/17	ZZZZZ	LCS	wt%	D2974	8/9/2017	8/10/2017	BALANCE_170809C				3735940	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		99.8	0.200	99.8	0	100	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-031B DUP	2531V-32-01 (0-1)	DUP	wt%	D2974	8/9/2017	8/10/2017	BALANCE_170809C				3735942	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		16.41	0.200	0	0	0	0	0	18.3	10.9	20	*

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134790

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3735962	PMBLK4 8/9/17	MBLK	PMOIST	R134790	1	08/10/2017
3735963	PMLCS-S4 8/9/17	LCS	PMOIST	R134790	1	08/10/2017
3735964	PMLCS-W4 8/9/17	LCS	PMOIST	R134790	1	08/10/2017
3735965	17080266-002B	SAMP	PMOIST	R134790	1	08/10/2017
3735966	17080266-002B DUP	DUP	PMOIST	R134790	1	08/10/2017
3735967	17080266-001B	SAMP	PMOIST	R134790	1	08/10/2017
3735968	17080266-003B	SAMP	PMOIST	R134790	1	08/10/2017
3735969	17080266-004B	SAMP	PMOIST	R134790	1	08/10/2017
3735970	17080266-005B	SAMP	PMOIST	R134790	1	08/10/2017
3735971	17080266-006B	SAMP	PMOIST	R134790	1	08/10/2017
3735972	17080266-007B	SAMP	PMOIST	R134790	1	08/10/2017
3735973	17080266-008B	SAMP	PMOIST	R134790	1	08/10/2017
3735974	17080266-009B	SAMP	PMOIST	R134790	1	08/10/2017
3735975	17080266-010B	SAMP	PMOIST	R134790	1	08/10/2017
3735976	17080266-011B	SAMP	PMOIST	R134790	1	08/10/2017
3735977	17080266-012B	SAMP	PMOIST	R134790	1	08/10/2017
3735978	17080266-013B	SAMP	PMOIST	R134790	1	08/10/2017
3735979	17080266-014B	SAMP	PMOIST	R134790	1	08/10/2017
3735980	17080266-015B	SAMP	PMOIST	R134790	1	08/10/2017
3735981	17080266-016B	SAMP	PMOIST	R134790	1	08/10/2017
3735982	17080266-017B	SAMP	PMOIST	R134790	1	08/10/2017
3735983	17080266-018B	SAMP	PMOIST	R134790	1	08/10/2017
3735984	17080266-019B	SAMP	PMOIST	R134790	1	08/10/2017
3735985	17080266-020B	SAMP	PMOIST	R134790	1	08/10/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
PMBLK4 8/9/17	ZZZZZ	MBLK	wt%	D2974	8/9/2017	8/10/2017		BALANCE_170809D			3735962	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Percent Moisture ND 0.200 *

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
PMLCS-S4 8/9/17	ZZZZZ	LCS	wt%	D2974	8/9/2017	8/10/2017		BALANCE_170809D			3735963	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Percent Moisture 4.63 0.200 5 0 92.6 80 120 0 0 *

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
PMLCS-W4 8/9/17	ZZZZZ	LCS	wt%	D2974	8/9/2017	8/10/2017		BALANCE_170809D			3735964	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Percent Moisture 99.76 0.200 99.8 0 100 80 120 0 0 *

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080266-002B DUP	2531V-13-01 (5-9)	DUP	wt%	D2974	8/9/2017	8/10/2017		BALANCE_170809D		3735966		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Percent Moisture 16.3 0.200 0 0 0 0 0 16.44 0.855 20 *

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080266
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134842

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3737254	PMBLK1 8/10/17	MBLK	PMOIST	R134842	1	08/11/2017
3737255	PMLCS-S1 8/10/17	LCS	PMOIST	R134842	1	08/11/2017
3737256	PMLCS-W1 8/10/17	LCS	PMOIST	R134842	1	08/11/2017
3737257	17080276-001A	SAMP	PMOIST	R134842	1	08/11/2017
3737258	17080276-001A DUP	DUP	PMOIST	R134842	1	08/11/2017
3737259	17080266-041B	SAMP	PMOIST	R134842	1	08/11/2017
3737260	17080266-042B	SAMP	PMOIST	R134842	1	08/11/2017
3737261	17080266-043B	SAMP	PMOIST	R134842	1	08/11/2017
3737262	17080266-044B	SAMP	PMOIST	R134842	1	08/11/2017
3737263	17080266-045B	SAMP	PMOIST	R134842	1	08/11/2017
3737264	17080266-046B	SAMP	PMOIST	R134842	1	08/11/2017
3737265	17080266-047B	SAMP	PMOIST	R134842	1	08/11/2017
3737266	17080266-048B	SAMP	PMOIST	R134842	1	08/11/2017
3737267	17080266-049B	SAMP	PMOIST	R134842	1	08/11/2017
3737268	17080266-050B	SAMP	PMOIST	R134842	1	08/11/2017
3737269	17080266-051B	SAMP	PMOIST	R134842	1	08/11/2017
3737270	17080266-052B	SAMP	PMOIST	R134842	1	08/11/2017
3737271	17080266-053B	SAMP	PMOIST	R134842	1	08/11/2017
3737272	17080266-054B	SAMP	PMOIST	R134842	1	08/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMBLK1 8/10/17	ZZZZZ	MBLK	wt%	D2974	8/10/2017	8/11/2017	BALANCE_170810A				3737254	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		ND	0.200									*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-S1 8/10/17	ZZZZZ	LCS	wt%	D2974	8/10/2017	8/11/2017	BALANCE_170810A				3737255	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		4.71	0.200	5	0	94.2	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-W1 8/10/17	ZZZZZ	LCS	wt%	D2974	8/10/2017	8/11/2017	BALANCE_170810A				3737256	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		99.89	0.200	99.8	0	100	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080276-001A DUP	ZZZZZ	DUP	wt%	D2974	8/10/2017	8/11/2017	BALANCE_170810A				3737258	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		8.55	0.200	0	0	0	0	0	8.55	0	20	*

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

STAT Analysis Corporation

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

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

August 18, 2017

Huff & Huff, Inc.
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Oak Brook, IL 60523-1486

Telephone: (630) 684-9100
Fax: (630) 684-9120

Analytical Report for STAT Work Order: 17080286 Revision 0

RE: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Dear Jill Connolly:

STAT Analysis received 44 samples for the referenced project on 8/8/2017 5:30:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Craig Chawla
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

Client: Huff & Huff, Inc.**Project:** 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL**Work Order Sample Summary****Work Order:** 17080286 Revision 0

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
17080286-001A	2531V-14-01 (0-5)		8/7/2017 9:35:00 AM	8/8/2017
17080286-001B	2531V-14-01 (0-5)		8/7/2017 9:35:00 AM	8/8/2017
17080286-002A	2531V-14-01 (5-9)		8/7/2017 9:38:00 AM	8/8/2017
17080286-002B	2531V-14-01 (5-9)		8/7/2017 9:38:00 AM	8/8/2017
17080286-003A	2531V-14-02 (0-6)		8/7/2017 9:50:00 AM	8/8/2017
17080286-003B	2531V-14-02 (0-6)		8/7/2017 9:50:00 AM	8/8/2017
17080286-004A	2531V-14-02 (6-12)		8/7/2017 9:53:00 AM	8/8/2017
17080286-004B	2531V-14-02 (6-12)		8/7/2017 9:53:00 AM	8/8/2017
17080286-005A	2531V-14-02 (12-18)		8/7/2017 9:56:00 AM	8/8/2017
17080286-005B	2531V-14-02 (12-18)		8/7/2017 9:56:00 AM	8/8/2017
17080286-006A	2531V-14-03 (0-6)		8/7/2017 10:05:00 AM	8/8/2017
17080286-006B	2531V-14-03 (0-6)		8/7/2017 10:05:00 AM	8/8/2017
17080286-007A	2531V-14-03 (6-12)		8/7/2017 10:09:00 AM	8/8/2017
17080286-007B	2531V-14-03 (6-12)		8/7/2017 10:09:00 AM	8/8/2017
17080286-008A	2531V-14-03 (12-18)		8/7/2017 10:13:00 AM	8/8/2017
17080286-008B	2531V-14-03 (12-18)		8/7/2017 10:13:00 AM	8/8/2017
17080286-009A	2531V-15-01 (0-6)		8/7/2017 10:19:00 AM	8/8/2017
17080286-009B	2531V-15-01 (0-6)		8/7/2017 10:19:00 AM	8/8/2017
17080286-010A	2531V-15-01 (6-12)		8/7/2017 10:23:00 AM	8/8/2017
17080286-010B	2531V-15-01 (6-12)		8/7/2017 10:23:00 AM	8/8/2017
17080286-011A	2531V-15-01 (12-18)		8/7/2017 10:26:00 AM	8/8/2017
17080286-011B	2531V-15-01 (12-18)		8/7/2017 10:26:00 AM	8/8/2017
17080286-012A	2531V-15-02 (0-6)		8/7/2017 10:35:00 AM	8/8/2017
17080286-012B	2531V-15-02 (0-6)		8/7/2017 10:35:00 AM	8/8/2017
17080286-013A	2531V-15-02 (6-12)		8/7/2017 10:38:00 AM	8/8/2017
17080286-013B	2531V-15-02 (6-12)		8/7/2017 10:38:00 AM	8/8/2017
17080286-014A	2531V-15-02 (12-18)		8/7/2017 10:42:00 AM	8/8/2017
17080286-014B	2531V-15-02 (12-18)		8/7/2017 10:42:00 AM	8/8/2017
17080286-015A	2531V-18-07 (0-6)		8/7/2017 9:10:00 AM	8/8/2017
17080286-015B	2531V-18-07 (0-6)		8/7/2017 9:10:00 AM	8/8/2017
17080286-016A	2531V-18-07 (6-12)		8/7/2017 9:15:00 AM	8/8/2017
17080286-016B	2531V-18-07 (6-12)		8/7/2017 9:15:00 AM	8/8/2017
17080286-017A	2531V-18-07 (12-18)		8/7/2017 9:18:00 AM	8/8/2017
17080286-017B	2531V-18-07 (12-18)		8/7/2017 9:18:00 AM	8/8/2017
17080286-018A	2531V-41-01 (0-1)		8/7/2017 1:15:00 PM	8/8/2017
17080286-018B	2531V-41-01 (0-1)		8/7/2017 1:15:00 PM	8/8/2017
17080286-019A	2531V-41-02 (0-1)		8/7/2017 1:12:00 PM	8/8/2017
17080286-019B	2531V-41-02 (0-1)		8/7/2017 1:12:00 PM	8/8/2017

CLIENT: Huff & Huff, Inc.
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Work Order: 17080286 Revision 0

CASE NARRATIVE

Please refer to Analytical QC Summary Report for QC outliers.

Client: Huff & Huff, Inc.

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Work Order: 17080286 Revision 0

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
17080286-020A	2531V-43-05 (0-5)		8/7/2017 12:13:00 PM	8/8/2017
17080286-020B	2531V-43-05 (0-5)		8/7/2017 12:13:00 PM	8/8/2017
17080286-021A	2531V-43-05 (5-9)		8/7/2017 12:16:00 PM	8/8/2017
17080286-021B	2531V-43-05 (5-9)		8/7/2017 12:16:00 PM	8/8/2017
17080286-022A	2531V-43-06 (0-5)		8/7/2017 12:27:00 PM	8/8/2017
17080286-022B	2531V-43-06 (0-5)		8/7/2017 12:27:00 PM	8/8/2017
17080286-023A	2531V-43-06 (5-9)		8/7/2017 12:31:00 PM	8/8/2017
17080286-023B	2531V-43-06 (5-9)		8/7/2017 12:31:00 PM	8/8/2017
17080286-024A	2531V-43-07 (0-5)		8/7/2017 12:42:00 PM	8/8/2017
17080286-024B	2531V-43-07 (0-5)		8/7/2017 12:42:00 PM	8/8/2017
17080286-025A	2531V-43-07 (5-9)		8/7/2017 12:47:00 PM	8/8/2017
17080286-025B	2531V-43-07 (5-9)		8/7/2017 12:47:00 PM	8/8/2017
17080286-026A	2531V-43-10 (0-1)		8/7/2017 1:25:00 PM	8/8/2017
17080286-026B	2531V-43-10 (0-1)		8/7/2017 1:25:00 PM	8/8/2017
17080286-027A	2531V-43-11 (0-5)		8/7/2017 12:50:00 PM	8/8/2017
17080286-027B	2531V-43-11 (0-5)		8/7/2017 12:50:00 PM	8/8/2017
17080286-028A	2531V-43-11 (5-9)		8/7/2017 12:52:00 PM	8/8/2017
17080286-028B	2531V-43-11 (5-9)		8/7/2017 12:52:00 PM	8/8/2017
17080286-029A	2531V-56-08 (0-6)		8/7/2017 11:50:00 AM	8/8/2017
17080286-029B	2531V-56-08 (0-6)		8/7/2017 11:50:00 AM	8/8/2017
17080286-030A	2531V-56-08 (6-12)		8/7/2017 11:53:00 AM	8/8/2017
17080286-030B	2531V-56-08 (6-12)		8/7/2017 11:53:00 AM	8/8/2017
17080286-031A	2531V-56-08 (12-18)		8/7/2017 11:56:00 AM	8/8/2017
17080286-031B	2531V-56-08 (12-18)		8/7/2017 11:56:00 AM	8/8/2017
17080286-032A	2531V-56-09 (0-6)		8/7/2017 11:35:00 AM	8/8/2017
17080286-032B	2531V-56-09 (0-6)		8/7/2017 11:35:00 AM	8/8/2017
17080286-033A	2531V-56-09 (6-12)		8/7/2017 11:39:00 AM	8/8/2017
17080286-033B	2531V-56-09 (6-12)		8/7/2017 11:39:00 AM	8/8/2017
17080286-034A	2531V-56-09 (12-18)		8/7/2017 11:43:00 AM	8/8/2017
17080286-034B	2531V-56-09 (12-18)		8/7/2017 11:43:00 AM	8/8/2017
17080286-035A	2531V-56-10 (0-6)		8/7/2017 11:16:00 AM	8/8/2017
17080286-035B	2531V-56-10 (0-6)		8/7/2017 11:16:00 AM	8/8/2017
17080286-036A	2531V-56-10 (6-12)		8/7/2017 11:19:00 AM	8/8/2017
17080286-036B	2531V-56-10 (6-12)		8/7/2017 11:19:00 AM	8/8/2017
17080286-037A	2531V-56-10 (12-18)		8/7/2017 11:29:00 AM	8/8/2017
17080286-037B	2531V-56-10 (12-18)		8/7/2017 11:29:00 AM	8/8/2017
17080286-038A	2531V-56-11 (0-6)		8/7/2017 11:10:00 AM	8/8/2017
17080286-038B	2531V-56-11 (0-6)		8/7/2017 11:10:00 AM	8/8/2017
17080286-039A	2531V-56-11 (6-12)		8/7/2017 11:03:00 AM	8/8/2017
17080286-039B	2531V-56-11 (6-12)		8/7/2017 11:03:00 AM	8/8/2017

Client: Huff & Huff, Inc.
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Work Order: 17080286 Revision 0

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
17080286-040A	2531V-56-11 (12-18)		8/7/2017 11:06:00 AM	8/8/2017
17080286-040B	2531V-56-11 (12-18)		8/7/2017 11:06:00 AM	8/8/2017
17080286-041A	2531V-DUP-03		8/7/2017 12:00:00 PM	8/8/2017
17080286-041B	2531V-DUP-03		8/7/2017 12:00:00 PM	8/8/2017
17080286-042A	2531V-DUP-04		8/7/2017 9:30:00 AM	8/8/2017
17080286-042B	2531V-DUP-04		8/7/2017 9:30:00 AM	8/8/2017
17080286-043A	2531V-DUP-05		8/7/2017 10:30:00 AM	8/8/2017
17080286-043B	2531V-DUP-05		8/7/2017 10:30:00 AM	8/8/2017
17080286-044A	Trip Blank			8/8/2017

STAT Analysis Corporation

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-01 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:35:00 AM

Lab ID: 17080286-001A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: RRS
Acetone	ND	0.10		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0069		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0069		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0069		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.014		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.10		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.069		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0069		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0069		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.014		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0069		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.014		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0069		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0069		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0069		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0069		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0069		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0069		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0069		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0028		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0028		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0069		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.028		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.028		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.014		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0069		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0069		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0069		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0069		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0069		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0069		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0069		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0069		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0069		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.021		mg/Kg-dry	1	8/15/2017

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: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-01 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:35:00 AM

Lab ID: 17080286-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)	Prep Date: 8/10/2017		Analyst: MEP	
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.95		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.95		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.95		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-01 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:35:00 AM

Lab ID: 17080286-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/10/2017	Analyst: JG
Aluminum	9000	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	7.2	0.99		mg/Kg-dry	10	8/13/2017
Barium	94	0.99		mg/Kg-dry	10	8/13/2017
Beryllium	ND	0.49		mg/Kg-dry	10	8/13/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-01 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:35:00 AM

Lab ID: 17080286-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/13/2017
Calcium	33000	59		mg/Kg-dry	10	8/13/2017
Chromium	14	0.99		mg/Kg-dry	10	8/13/2017
Cobalt	7.9	0.99		mg/Kg-dry	10	8/13/2017
Copper	17	2.5		mg/Kg-dry	10	8/13/2017
Iron	18000	30		mg/Kg-dry	10	8/13/2017
Lead	15	0.49		mg/Kg-dry	10	8/13/2017
Magnesium	19000	30		mg/Kg-dry	10	8/13/2017
Manganese	630	0.99		mg/Kg-dry	10	8/13/2017
Nickel	17	0.99		mg/Kg-dry	10	8/13/2017
Potassium	910	30		mg/Kg-dry	10	8/13/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/13/2017
Silver	ND	0.99		mg/Kg-dry	10	8/13/2017
Sodium	890	59		mg/Kg-dry	10	8/13/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/13/2017
Vanadium	24	0.99		mg/Kg-dry	10	8/13/2017
Zinc	57	4.9		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	0.0053	0.0040		mg/L	2	8/16/2017
Barium	0.027	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.0076	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	8.4	0.10		mg/L	2	8/16/2017
Lead	0.0037	0.0020		mg/L	2	8/16/2017
Manganese	0.091	0.0040		mg/L	2	8/16/2017
Nickel	0.0088	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.028	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/15/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/16/2017
Barium	0.59	0.050		mg/L	5	8/16/2017
Beryllium	ND	0.0050		mg/L	5	8/16/2017
Cadmium	ND	0.0050		mg/L	5	8/16/2017

Qualifiers:

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-01 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:35:00 AM

Lab ID: 17080286-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/15/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/16/2017
Cobalt	ND	0.010		mg/L	5	8/16/2017
Copper	ND	0.10		mg/L	5	8/16/2017
Iron	ND	0.25		mg/L	5	8/16/2017
Lead	ND	0.0050		mg/L	5	8/16/2017
Manganese	0.31	0.010		mg/L	5	8/16/2017
Nickel	ND	0.010		mg/L	5	8/16/2017
Selenium	ND	0.010		mg/L	5	8/16/2017
Silver	ND	0.010		mg/L	5	8/16/2017
Zinc	ND	0.050		mg/L	5	8/16/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/15/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.018		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/14/2017		Analyst: RW	
pH	9.04			pH Units	1	8/14/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	13.6	0.2	*	wt%	1	8/11/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-01 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:38:00 AM

Lab ID: 17080286-002A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: RRS
Acetone	ND	0.062		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0042		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0042		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0042		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0083		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.062		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.042		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0042		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0042		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0083		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0042		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0083		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0042		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0042		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0042		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0042		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0042		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0042		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0042		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0042		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0083		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0042		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0042		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0042		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0042		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0042		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0042		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0042		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0042		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0042		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.012		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-01 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:38:00 AM

Lab ID: 17080286-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.94		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/14/2017

Qualifiers:

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J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-01 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 9:38:00 AM

Lab ID: 17080286-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)			Prep Date: 8/10/2017		Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.076		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.76		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)			Prep Date: 8/10/2017		Analyst: JG
Aluminum	8300	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	6.4	1.0		mg/Kg-dry	10	8/13/2017
Barium	29	1.0		mg/Kg-dry	10	8/13/2017
Beryllium	ND	0.51		mg/Kg-dry	10	8/13/2017

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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RL - Reporting / Quantitation Limit for the analysis

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Report Date: August 18, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-01 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:38:00 AM

Lab ID: 17080286-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/13/2017
Calcium	86000	61		mg/Kg-dry	10	8/13/2017
Chromium	15	1.0		mg/Kg-dry	10	8/13/2017
Cobalt	9.4	1.0		mg/Kg-dry	10	8/13/2017
Copper	23	2.5		mg/Kg-dry	10	8/13/2017
Iron	19000	31		mg/Kg-dry	10	8/13/2017
Lead	12	0.51		mg/Kg-dry	10	8/13/2017
Magnesium	47000	31		mg/Kg-dry	10	8/13/2017
Manganese	400	1.0		mg/Kg-dry	10	8/13/2017
Nickel	20	1.0		mg/Kg-dry	10	8/13/2017
Potassium	1800	31		mg/Kg-dry	10	8/13/2017
Selenium	2.0	1.0		mg/Kg-dry	10	8/13/2017
Silver	ND	1.0		mg/Kg-dry	10	8/13/2017
Sodium	290	61		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/13/2017
Vanadium	19	1.0		mg/Kg-dry	10	8/13/2017
Zinc	54	5.1		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	2.4	0.10		mg/L	2	8/16/2017
Lead	ND	0.0020		mg/L	2	8/16/2017
Manganese	0.0071	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	ND	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.29	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

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: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-01 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:38:00 AM

Lab ID: 17080286-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/16/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	0.74	0.010		mg/L	5	8/17/2017
Nickel	0.011	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.020		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/14/2017		Analyst: RW	
pH	8.23			pH Units	1	8/14/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	13.4	0.2	*	wt%	1	8/11/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-02 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:50:00 AM

Lab ID: 17080286-003A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: RRS
Acetone	ND	0.066		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0044		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0087		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.066		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.044		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0087		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0044		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0087		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0087		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/15/2017

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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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-02 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:50:00 AM

Lab ID: 17080286-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/13/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-02 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:50:00 AM

Lab ID: 17080286-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.080		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.80		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/10/2017	Analyst: JG
Aluminum	11000	21		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/13/2017
Arsenic	9.0	1.1		mg/Kg-dry	10	8/13/2017
Barium	97	1.1		mg/Kg-dry	10	8/13/2017
Beryllium	0.59	0.54		mg/Kg-dry	10	8/13/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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* - Non-accredited parameter

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-02 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:50:00 AM

Lab ID: 17080286-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.54		mg/Kg-dry	10	8/13/2017
Calcium	33000	64		mg/Kg-dry	10	8/13/2017
Chromium	16	1.1		mg/Kg-dry	10	8/13/2017
Cobalt	11	1.1		mg/Kg-dry	10	8/13/2017
Copper	20	2.7		mg/Kg-dry	10	8/13/2017
Iron	21000	32		mg/Kg-dry	10	8/13/2017
Lead	24	0.54		mg/Kg-dry	10	8/13/2017
Magnesium	20000	32		mg/Kg-dry	10	8/13/2017
Manganese	730	1.1		mg/Kg-dry	10	8/13/2017
Nickel	20	1.1		mg/Kg-dry	10	8/13/2017
Potassium	1100	32		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/13/2017
Silver	ND	1.1		mg/Kg-dry	10	8/13/2017
Sodium	1300	64		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/13/2017
Vanadium	26	1.1		mg/Kg-dry	10	8/13/2017
Zinc	59	5.4		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	0.0077	0.0040		mg/L	2	8/16/2017
Barium	0.032	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.010	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	5.1	0.10		mg/L	2	8/16/2017
Lead	0.0022	0.0020		mg/L	2	8/16/2017
Manganese	0.034	0.0040		mg/L	2	8/16/2017
Nickel	0.0050	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.054	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.44	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

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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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-02 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:50:00 AM

Lab ID: 17080286-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/16/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	0.66	0.010		mg/L	5	8/17/2017
Nickel	ND	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/16/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/14/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	0.029	0.020		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/14/2017 Analyst: RW
pH	8.96			pH Units	1	8/14/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	18.2	0.2	*	wt%	1	8/11/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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STAT Analysis Corporation

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-02 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:53:00 AM

Lab ID: 17080286-004A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: RRS
Acetone	ND	0.068		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0046		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0091		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.068		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.046		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0091		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0046		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0091		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0091		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0046		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

Qualifiers:

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-02 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:53:00 AM

Lab ID: 17080286-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/13/2017

Qualifiers:

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-02 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:53:00 AM

Lab ID: 17080286-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	2800	21		mg/Kg-dry	10	8/13/2017
Antimony	5.4	2.1		mg/Kg-dry	10	8/13/2017
Arsenic	14	1.0		mg/Kg-dry	10	8/13/2017
Barium	23	1.0		mg/Kg-dry	10	8/13/2017
Beryllium	ND	0.52		mg/Kg-dry	10	8/13/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-02 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:53:00 AM

Lab ID: 17080286-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/13/2017
Calcium	95000	62		mg/Kg-dry	10	8/13/2017
Chromium	7.2	1.0		mg/Kg-dry	10	8/13/2017
Cobalt	9.2	1.0		mg/Kg-dry	10	8/13/2017
Copper	24	2.6		mg/Kg-dry	10	8/13/2017
Iron	21000	31		mg/Kg-dry	10	8/13/2017
Lead	12	0.52		mg/Kg-dry	10	8/13/2017
Magnesium	54000	31		mg/Kg-dry	10	8/13/2017
Manganese	660	1.0		mg/Kg-dry	10	8/13/2017
Nickel	21	1.0		mg/Kg-dry	10	8/13/2017
Potassium	540	31		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/13/2017
Silver	ND	1.0		mg/Kg-dry	10	8/13/2017
Sodium	410	62		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/13/2017
Vanadium	9.5	1.0		mg/Kg-dry	10	8/13/2017
Zinc	79	5.2		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	3.5	0.10		mg/L	2	8/16/2017
Lead	ND	0.0020		mg/L	2	8/16/2017
Manganese	0.016	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.056	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.40	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-02 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:53:00 AM

Lab ID: 17080286-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/16/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	2.2	0.010		mg/L	5	8/17/2017
Nickel	0.018	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/16/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/14/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/14/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.021		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/14/2017 Analyst: RW
pH	8.35			pH Units	1	8/14/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	13.7	0.2	*	wt%	1	8/11/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-02 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:56:00 AM

Lab ID: 17080286-005A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: RRS
Acetone	ND	0.062		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0041		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0041		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0082		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.062		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.041		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0041		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0041		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0082		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0041		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0082		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0041		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0041		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.016		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.016		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0082		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0041		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0041		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0041		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0041		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.012		mg/Kg-dry	1	8/15/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-02 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 9:56:00 AM

Lab ID: 17080286-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.93		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.93		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.93		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/13/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-02 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:56:00 AM

Lab ID: 17080286-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.075		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.75		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	6300	19		mg/Kg-dry	10	8/13/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/13/2017
Arsenic	7.8	0.97		mg/Kg-dry	10	8/13/2017
Barium	24	0.97		mg/Kg-dry	10	8/13/2017
Beryllium	ND	0.48		mg/Kg-dry	10	8/13/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-02 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:56:00 AM

Lab ID: 17080286-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/13/2017
Calcium	86000	58		mg/Kg-dry	10	8/13/2017
Chromium	12	0.97		mg/Kg-dry	10	8/13/2017
Cobalt	9.4	0.97		mg/Kg-dry	10	8/13/2017
Copper	23	2.4		mg/Kg-dry	10	8/13/2017
Iron	17000	29		mg/Kg-dry	10	8/13/2017
Lead	11	0.48		mg/Kg-dry	10	8/13/2017
Magnesium	44000	29		mg/Kg-dry	10	8/13/2017
Manganese	450	0.97		mg/Kg-dry	10	8/13/2017
Nickel	21	0.97		mg/Kg-dry	10	8/13/2017
Potassium	1500	29		mg/Kg-dry	10	8/13/2017
Selenium	ND	0.97		mg/Kg-dry	10	8/13/2017
Silver	ND	0.97		mg/Kg-dry	10	8/13/2017
Sodium	180	58		mg/Kg-dry	10	8/13/2017
Thallium	ND	0.97		mg/Kg-dry	10	8/13/2017
Vanadium	15	0.97		mg/Kg-dry	10	8/13/2017
Zinc	47	4.8		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	0.47	0.10		mg/L	2	8/16/2017
Lead	ND	0.0020		mg/L	2	8/16/2017
Manganese	0.0095	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.042	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.28	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-02 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 9:56:00 AM

Lab ID: 17080286-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/16/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.059	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	0.73	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	5.4	0.010		mg/L	5	8/17/2017
Nickel	0.084	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	0.066	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/16/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/14/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.021		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/14/2017 Analyst: RW
pH	8.05			pH Units	1	8/14/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	10.6	0.2	*	wt%	1	8/11/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-03 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:05:00 AM

Lab ID: 17080286-006A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: RRS
Acetone	ND	0.075		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0099		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.075		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.050		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0099		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0099		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0099		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/15/2017

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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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-03 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:05:00 AM

Lab ID: 17080286-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)	Prep Date: 8/10/2017		Analyst: MEP	
Acenaphthene	ND	0.042		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.042		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.43		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.042		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.042		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.42		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.042		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.042		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.042		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.042		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	1.1		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.22		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.042		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.042		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.22		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.42		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	8/13/2017

Qualifiers:

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-03 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:05:00 AM

Lab ID: 17080286-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: MEP
Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.042		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.042		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.22		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.042		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.22		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.22		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.22		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.042		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.42		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.042		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.042		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.086		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.042		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.22		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.042		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.86		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	12000	22		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/13/2017
Arsenic	13	1.1		mg/Kg-dry	10	8/13/2017
Barium	140	1.1		mg/Kg-dry	10	8/13/2017
Beryllium	0.74	0.54		mg/Kg-dry	10	8/13/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-03 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:05:00 AM

Lab ID: 17080286-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.54		mg/Kg-dry	10	8/13/2017
Calcium	44000	65		mg/Kg-dry	10	8/13/2017
Chromium	20	1.1		mg/Kg-dry	10	8/13/2017
Cobalt	13	1.1		mg/Kg-dry	10	8/13/2017
Copper	27	2.7		mg/Kg-dry	10	8/13/2017
Iron	26000	33		mg/Kg-dry	10	8/13/2017
Lead	17	0.54		mg/Kg-dry	10	8/13/2017
Magnesium	23000	33		mg/Kg-dry	10	8/13/2017
Manganese	950	1.1		mg/Kg-dry	10	8/13/2017
Nickel	37	1.1		mg/Kg-dry	10	8/13/2017
Potassium	1300	33		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/13/2017
Silver	ND	1.1		mg/Kg-dry	10	8/13/2017
Sodium	930	65		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/13/2017
Vanadium	34	1.1		mg/Kg-dry	10	8/13/2017
Zinc	68	5.4		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	0.021	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.0076	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	5.5	0.10		mg/L	2	8/16/2017
Lead	ND	0.0020		mg/L	2	8/16/2017
Manganese	0.043	0.0040		mg/L	2	8/16/2017
Nickel	0.0052	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.054	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.82	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-03 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:05:00 AM

Lab ID: 17080286-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/16/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	0.27	0.010		mg/L	5	8/17/2017
Nickel	0.013	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/16/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/14/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	0.024	0.024		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/14/2017 Analyst: RW
pH	8.58			pH Units	1	8/14/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	22.7	0.2	*	wt%	1	8/11/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-03 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:09:00 AM

Lab ID: 17080286-007A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: RRS
Acetone	ND	0.085		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0057		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0057		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0057		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.085		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.057		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0057		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0057		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0057		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0057		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0057		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0057		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0057		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0057		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0057		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0057		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0057		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.023		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.023		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0057		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0057		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0057		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0057		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0057		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0057		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0057		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0057		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0057		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.017		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-03 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:09:00 AM

Lab ID: 17080286-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.041		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.41		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.41		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.041		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/13/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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Report Date: August 18, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-03 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:09:00 AM

Lab ID: 17080286-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.041		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.041		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.041		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.82		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/10/2017	Analyst: JG
Aluminum	9200	21		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/13/2017
Arsenic	8.5	1.1		mg/Kg-dry	10	8/13/2017
Barium	89	1.1		mg/Kg-dry	10	8/13/2017
Beryllium	0.54	0.53		mg/Kg-dry	10	8/13/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

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S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-03 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:09:00 AM

Lab ID: 17080286-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.53		mg/Kg-dry	10	8/13/2017
Calcium	47000	63		mg/Kg-dry	10	8/13/2017
Chromium	16	1.1		mg/Kg-dry	10	8/13/2017
Cobalt	9.0	1.1		mg/Kg-dry	10	8/13/2017
Copper	20	2.6		mg/Kg-dry	10	8/13/2017
Iron	19000	32		mg/Kg-dry	10	8/13/2017
Lead	12	0.53		mg/Kg-dry	10	8/13/2017
Magnesium	23000	32		mg/Kg-dry	10	8/13/2017
Manganese	370	1.1		mg/Kg-dry	10	8/13/2017
Nickel	17	1.1		mg/Kg-dry	10	8/13/2017
Potassium	1300	32		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/13/2017
Silver	ND	1.1		mg/Kg-dry	10	8/13/2017
Sodium	800	63		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/13/2017
Vanadium	25	1.1		mg/Kg-dry	10	8/13/2017
Zinc	57	5.3		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	0.0042	0.0040		mg/L	2	8/16/2017
Barium	0.029	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.0094	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	7.2	0.10		mg/L	2	8/16/2017
Lead	0.0031	0.0020		mg/L	2	8/16/2017
Manganese	0.030	0.0040		mg/L	2	8/16/2017
Nickel	0.0045	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.056	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.79	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-03 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:09:00 AM

Lab ID: 17080286-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/16/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	0.21	0.010		mg/L	5	8/17/2017
Nickel	ND	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/16/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/14/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.023		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/14/2017 Analyst: RW
pH	8.97			pH Units	1	8/14/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	18.6	0.2	*	wt%	1	8/11/2017

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-03 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:13:00 AM

Lab ID: 17080286-008A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: RRS
Acetone	ND	0.080		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0054		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0054		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.080		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.054		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0054		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0054		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0054		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0054		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0054		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0054		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0054		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0054		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0054		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0054		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-03 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:13:00 AM

Lab ID: 17080286-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.041		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.41		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.41		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.041		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/13/2017

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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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-03 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:13:00 AM

Lab ID: 17080286-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.041		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.041		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.041		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.83		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/10/2017	Analyst: JG
Aluminum	7900	21		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/13/2017
Arsenic	7.6	1.1		mg/Kg-dry	10	8/13/2017
Barium	74	1.1		mg/Kg-dry	10	8/13/2017
Beryllium	ND	0.53		mg/Kg-dry	10	8/13/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-03 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:13:00 AM

Lab ID: 17080286-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.53		mg/Kg-dry	10	8/13/2017
Calcium	58000	64		mg/Kg-dry	10	8/13/2017
Chromium	14	1.1		mg/Kg-dry	10	8/13/2017
Cobalt	9.0	1.1		mg/Kg-dry	10	8/13/2017
Copper	21	2.7		mg/Kg-dry	10	8/13/2017
Iron	18000	32		mg/Kg-dry	10	8/13/2017
Lead	12	0.53		mg/Kg-dry	10	8/13/2017
Magnesium	27000	32		mg/Kg-dry	10	8/13/2017
Manganese	600	1.1		mg/Kg-dry	10	8/13/2017
Nickel	23	1.1		mg/Kg-dry	10	8/13/2017
Potassium	1400	32		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/13/2017
Silver	ND	1.1		mg/Kg-dry	10	8/13/2017
Sodium	880	64		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/13/2017
Vanadium	22	1.1		mg/Kg-dry	10	8/13/2017
Zinc	56	5.3		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	0.030	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	1.3	0.10		mg/L	2	8/16/2017
Lead	ND	0.0020		mg/L	2	8/16/2017
Manganese	0.031	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.042	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.83	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-14-03 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:13:00 AM

Lab ID: 17080286-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/16/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.084	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	0.26	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	4.9	0.010		mg/L	5	8/17/2017
Nickel	0.20	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	0.21	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/16/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/14/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.025		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/14/2017 Analyst: RW
pH	7.25			pH Units	1	8/14/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	19.6	0.2	*	wt%	1	8/11/2017

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-01 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:19:00 AM

Lab ID: 17080286-009A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: RRS
Acetone	0.099	0.074		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0049		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0099		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.074		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.049		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0099		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0049		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0099		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0099		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0049		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-01 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:19:00 AM

Lab ID: 17080286-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.98		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/13/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-01 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:19:00 AM

Lab ID: 17080286-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.79		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	10000	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	8.0	0.99		mg/Kg-dry	10	8/13/2017
Barium	99	0.99		mg/Kg-dry	10	8/13/2017
Beryllium	0.55	0.50		mg/Kg-dry	10	8/13/2017

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-01 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:19:00 AM

Lab ID: 17080286-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/13/2017
Calcium	36000	59		mg/Kg-dry	10	8/13/2017
Chromium	17	0.99		mg/Kg-dry	10	8/13/2017
Cobalt	7.7	0.99		mg/Kg-dry	10	8/13/2017
Copper	20	2.5		mg/Kg-dry	10	8/13/2017
Iron	20000	30		mg/Kg-dry	10	8/13/2017
Lead	15	0.50		mg/Kg-dry	10	8/13/2017
Magnesium	20000	30		mg/Kg-dry	10	8/13/2017
Manganese	530	0.99		mg/Kg-dry	10	8/13/2017
Nickel	20	0.99		mg/Kg-dry	10	8/13/2017
Potassium	1200	30		mg/Kg-dry	10	8/13/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/13/2017
Silver	ND	0.99		mg/Kg-dry	10	8/13/2017
Sodium	130	59		mg/Kg-dry	10	8/13/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/13/2017
Vanadium	27	0.99		mg/Kg-dry	10	8/13/2017
Zinc	65	5.0		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	0.024	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.0083	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	5.9	0.10		mg/L	2	8/16/2017
Lead	0.0031	0.0020		mg/L	2	8/16/2017
Manganese	0.029	0.0040		mg/L	2	8/16/2017
Nickel	0.0048	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.056	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.57	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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Report Date: August 18, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-01 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:19:00 AM

Lab ID: 17080286-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/16/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.039	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	3.9	0.010		mg/L	5	8/17/2017
Nickel	0.059	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/16/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/14/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	0.027	0.022		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/14/2017 Analyst: RW
pH	8.08			pH Units	1	8/14/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	15.5	0.2	*	wt%	1	8/11/2017

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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E - Value above quantitation range
H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-01 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:23:00 AM

Lab ID: 17080286-010A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: RRS
Acetone	ND	0.078		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0052		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0052		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.078		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.052		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0052		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/15/2017

Qualifiers:

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-01 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:23:00 AM

Lab ID: 17080286-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.041		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.41		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.41		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.041		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/13/2017

Qualifiers:

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-01 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:23:00 AM

Lab ID: 17080286-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: MEP
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.041		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.041		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.041		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.83		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	12000	22		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/13/2017
Arsenic	12	1.1		mg/Kg-dry	10	8/13/2017
Barium	110	1.1		mg/Kg-dry	10	8/13/2017
Beryllium	0.63	0.55		mg/Kg-dry	10	8/13/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-01 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:23:00 AM

Lab ID: 17080286-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.55		mg/Kg-dry	10	8/13/2017
Calcium	29000	66		mg/Kg-dry	10	8/13/2017
Chromium	20	1.1		mg/Kg-dry	10	8/13/2017
Cobalt	10	1.1		mg/Kg-dry	10	8/13/2017
Copper	26	2.7		mg/Kg-dry	10	8/13/2017
Iron	33000	33		mg/Kg-dry	10	8/13/2017
Lead	16	0.55		mg/Kg-dry	10	8/13/2017
Magnesium	16000	33		mg/Kg-dry	10	8/13/2017
Manganese	710	1.1		mg/Kg-dry	10	8/13/2017
Nickel	32	1.1		mg/Kg-dry	10	8/13/2017
Potassium	1400	33		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/13/2017
Silver	ND	1.1		mg/Kg-dry	10	8/13/2017
Sodium	130	66		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/13/2017
Vanadium	32	1.1		mg/Kg-dry	10	8/13/2017
Zinc	77	5.5		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	ND	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	2.2	0.10		mg/L	2	8/16/2017
Lead	ND	0.0020		mg/L	2	8/16/2017
Manganese	0.0065	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.043	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.63	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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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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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-01 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:23:00 AM

Lab ID: 17080286-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/16/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	0.22	0.010		mg/L	5	8/17/2017
Nickel	ND	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/16/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/14/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	0.025	0.023		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/14/2017 Analyst: RW
pH	7.98			pH Units	1	8/14/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	20.1	0.2	*	wt%	1	8/11/2017

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: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-01 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:26:00 AM

Lab ID: 17080286-011A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: RRS
Acetone	ND	0.078		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0052		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0052		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.078		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.052		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0052		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0052		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/15/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-01 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:26:00 AM

Lab ID: 17080286-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.041		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.41		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.41		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.041		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/13/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-01 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:26:00 AM

Lab ID: 17080286-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: MEP
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.041		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.041		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.041		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.041		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.041		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.83		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	8400	22		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/13/2017
Arsenic	7.4	1.1		mg/Kg-dry	10	8/13/2017
Barium	76	1.1		mg/Kg-dry	10	8/13/2017
Beryllium	ND	0.54		mg/Kg-dry	10	8/13/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-01 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:26:00 AM

Lab ID: 17080286-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.54		mg/Kg-dry	10	8/13/2017
Calcium	53000	65		mg/Kg-dry	10	8/13/2017
Chromium	16	1.1		mg/Kg-dry	10	8/13/2017
Cobalt	11	1.1		mg/Kg-dry	10	8/13/2017
Copper	24	2.7		mg/Kg-dry	10	8/13/2017
Iron	22000	33		mg/Kg-dry	10	8/13/2017
Lead	13	0.54		mg/Kg-dry	10	8/13/2017
Magnesium	27000	33		mg/Kg-dry	10	8/13/2017
Manganese	610	1.1		mg/Kg-dry	10	8/13/2017
Nickel	28	1.1		mg/Kg-dry	10	8/13/2017
Potassium	1600	33		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/13/2017
Silver	ND	1.1		mg/Kg-dry	10	8/13/2017
Sodium	120	65		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/13/2017
Vanadium	22	1.1		mg/Kg-dry	10	8/13/2017
Zinc	67	5.4		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	0.026	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	0.77	0.10		mg/L	2	8/16/2017
Lead	ND	0.0020		mg/L	2	8/16/2017
Manganese	0.016	0.0040		mg/L	2	8/16/2017
Nickel	0.0040	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.038	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.029	0.010		mg/L	5	8/17/2017
Barium	0.83	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	0.0051	0.0050		mg/L	5	8/17/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-01 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:26:00 AM

Lab ID: 17080286-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/16/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.13	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	160	0.25		mg/L	5	8/17/2017
Lead	0.028	0.0050		mg/L	5	8/17/2017
Manganese	13	0.010		mg/L	5	8/17/2017
Nickel	0.29	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	0.76	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/16/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/14/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.025		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/14/2017 Analyst: RW
pH	7.80			pH Units	1	8/14/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	19.6	0.2	*	wt%	1	8/11/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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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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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-02 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:35:00 AM

Lab ID: 17080286-012A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: RRS
Acetone	ND	0.072		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0096		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.072		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.048		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0096		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0096		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0096		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

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: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-02 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:35:00 AM

Lab ID: 17080286-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)			Prep Date: 8/10/2017	Analyst: MEP
Acenaphthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.98		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/13/2017

Qualifiers:

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-02 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:35:00 AM

Lab ID: 17080286-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.79		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/10/2017	Analyst: JG
Aluminum	11000	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	7.5	0.99		mg/Kg-dry	10	8/13/2017
Barium	120	0.99		mg/Kg-dry	10	8/13/2017
Beryllium	0.61	0.50		mg/Kg-dry	10	8/13/2017

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E - Value above quantitation range

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-02 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:35:00 AM

Lab ID: 17080286-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/13/2017
Calcium	33000	59		mg/Kg-dry	10	8/13/2017
Chromium	16	0.99		mg/Kg-dry	10	8/13/2017
Cobalt	9.8	0.99		mg/Kg-dry	10	8/13/2017
Copper	19	2.5		mg/Kg-dry	10	8/13/2017
Iron	19000	30		mg/Kg-dry	10	8/13/2017
Lead	18	0.50		mg/Kg-dry	10	8/13/2017
Magnesium	18000	30		mg/Kg-dry	10	8/13/2017
Manganese	630	0.99		mg/Kg-dry	10	8/13/2017
Nickel	22	0.99		mg/Kg-dry	10	8/13/2017
Potassium	970	30		mg/Kg-dry	10	8/13/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/13/2017
Silver	ND	0.99		mg/Kg-dry	10	8/13/2017
Sodium	670	59		mg/Kg-dry	10	8/13/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/13/2017
Vanadium	25	0.99		mg/Kg-dry	10	8/13/2017
Zinc	57	5.0		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	0.020	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.0067	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	4.5	0.10		mg/L	2	8/16/2017
Lead	0.0020	0.0020		mg/L	2	8/16/2017
Manganese	0.027	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.046	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.77	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-02 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:35:00 AM

Lab ID: 17080286-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)			Prep Date: 8/16/2017		Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	0.26	0.010		mg/L	5	8/17/2017
Nickel	ND	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A			Prep Date: 8/16/2017		Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A			Prep Date: 8/14/2017		Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A			Prep Date: 8/11/2017		Analyst: LB
Mercury	0.026	0.022		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C			Prep Date: 8/14/2017		Analyst: RW
pH	8.59			pH Units	1	8/14/2017
Percent Moisture	D2974			Prep Date: 8/10/2017		Analyst: KKA
Percent Moisture	15.2	0.2	*	wt%	1	8/11/2017

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-02 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:38:00 AM

Lab ID: 17080286-013A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: RRS
Acetone	ND	0.081		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0054		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0054		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.081		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.054		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0054		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0054		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0054		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0054		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0054		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0054		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.022		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0054		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0054		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0054		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0054		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-02 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:38:00 AM

Lab ID: 17080286-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.41		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/13/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-02 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:38:00 AM

Lab ID: 17080286-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: MEP
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.82		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	9600	21		mg/Kg-dry	10	8/13/2017
Antimony	4.4	2.1		mg/Kg-dry	10	8/13/2017
Arsenic	11	1.1		mg/Kg-dry	10	8/13/2017
Barium	82	1.1		mg/Kg-dry	10	8/13/2017
Beryllium	0.58	0.53		mg/Kg-dry	10	8/13/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-02 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:38:00 AM

Lab ID: 17080286-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.53		mg/Kg-dry	10	8/13/2017
Calcium	52000	64		mg/Kg-dry	10	8/13/2017
Chromium	18	1.1		mg/Kg-dry	10	8/13/2017
Cobalt	14	1.1		mg/Kg-dry	10	8/13/2017
Copper	25	2.7		mg/Kg-dry	10	8/13/2017
Iron	17000	32		mg/Kg-dry	10	8/13/2017
Lead	15	0.53		mg/Kg-dry	10	8/13/2017
Magnesium	25000	32		mg/Kg-dry	10	8/13/2017
Manganese	280	1.1		mg/Kg-dry	10	8/13/2017
Nickel	22	1.1		mg/Kg-dry	10	8/13/2017
Potassium	1700	32		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/13/2017
Silver	ND	1.1		mg/Kg-dry	10	8/13/2017
Sodium	1000	64		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/13/2017
Vanadium	27	1.1		mg/Kg-dry	10	8/13/2017
Zinc	69	5.3		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	0.0047	0.0040		mg/L	2	8/16/2017
Barium	0.034	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.012	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	8.9	0.10		mg/L	2	8/16/2017
Lead	0.0057	0.0020		mg/L	2	8/16/2017
Manganese	0.044	0.0040		mg/L	2	8/16/2017
Nickel	0.0090	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.068	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.83	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	0.0065	0.0050		mg/L	5	8/17/2017

Qualifiers:

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-02 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:38:00 AM

Lab ID: 17080286-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/16/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.035	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	1.0	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	3.3	0.010		mg/L	5	8/17/2017
Nickel	0.053	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	0.076	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/14/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	0.022	0.020		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/14/2017		Analyst: RW	
pH	8.11			pH Units	1	8/14/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	19.7	0.2	*	wt%	1	8/11/2017

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-02 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:42:00 AM

Lab ID: 17080286-014A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: RRS
Acetone	ND	0.11		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0070		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0070		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0070		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.014		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.11		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.070		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0070		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0070		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.014		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0070		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.014		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0070		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0070		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0070		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0070		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0070		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0070		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0070		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0028		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0028		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0070		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.028		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.028		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.014		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0070		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0070		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0070		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0070		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0070		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0070		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0070		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0070		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0070		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.021		mg/Kg-dry	1	8/15/2017

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-02 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:42:00 AM

Lab ID: 17080286-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/13/2017

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-02 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:42:00 AM

Lab ID: 17080286-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: MEP
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.81		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	9000	21		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/13/2017
Arsenic	5.4	1.0		mg/Kg-dry	10	8/13/2017
Barium	74	1.0		mg/Kg-dry	10	8/13/2017
Beryllium	0.54	0.52		mg/Kg-dry	10	8/13/2017

Qualifiers:

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Report Date: August 18, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-02 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:42:00 AM

Lab ID: 17080286-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/13/2017
Calcium	55000	62		mg/Kg-dry	10	8/13/2017
Chromium	17	1.0		mg/Kg-dry	10	8/13/2017
Cobalt	10	1.0		mg/Kg-dry	10	8/13/2017
Copper	24	2.6		mg/Kg-dry	10	8/13/2017
Iron	22000	31		mg/Kg-dry	10	8/13/2017
Lead	13	0.52		mg/Kg-dry	10	8/13/2017
Magnesium	28000	31		mg/Kg-dry	10	8/13/2017
Manganese	570	1.0		mg/Kg-dry	10	8/13/2017
Nickel	27	1.0		mg/Kg-dry	10	8/13/2017
Potassium	1900	31		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/13/2017
Silver	ND	1.0		mg/Kg-dry	10	8/13/2017
Sodium	570	62		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/13/2017
Vanadium	23	1.0		mg/Kg-dry	10	8/13/2017
Zinc	66	5.2		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	0.037	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	0.14	0.10		mg/L	2	8/16/2017
Lead	ND	0.0020		mg/L	2	8/16/2017
Manganese	0.081	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.034	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.83	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

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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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

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

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

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-15-02 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:42:00 AM

Lab ID: 17080286-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/16/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.068	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	0.57	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	5.2	0.010		mg/L	5	8/17/2017
Nickel	0.18	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	0.20	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/16/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/14/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.023		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C					Prep Date: 8/14/2017 Analyst: RW
pH	7.45			pH Units	1	8/14/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	19.0	0.2	*	wt%	1	8/11/2017

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-07 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:10:00 AM

Lab ID: 17080286-015A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: JNM
Acetone	ND	0.066		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0044		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0087		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.066		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.044		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0087		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0044		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0087		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0087		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-07 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:10:00 AM

Lab ID: 17080286-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/13/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/13/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/13/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Benzoic acid	ND	0.93		mg/Kg-dry	1	8/13/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Bis(2-ethylhexyl)phthalate	ND	0.93		mg/Kg-dry	1	8/13/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/13/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/13/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/13/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/13/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/13/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/13/2017
2,4-Dinitrophenol	ND	0.93		mg/Kg-dry	1	8/13/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/13/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/13/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-07 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:10:00 AM

Lab ID: 17080286-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/13/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/13/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/13/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/13/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/13/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/13/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/13/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/13/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/13/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/13/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/13/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/13/2017
Pentachlorophenol	ND	0.075		mg/Kg-dry	1	8/13/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/13/2017
Pyridine	ND	0.75		mg/Kg-dry	1	8/13/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/13/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/10/2017	Analyst: JG
Aluminum	7300	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	8.0	1.0		mg/Kg-dry	10	8/13/2017
Barium	50	1.0		mg/Kg-dry	10	8/13/2017
Beryllium	ND	0.51		mg/Kg-dry	10	8/13/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-07 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:10:00 AM

Lab ID: 17080286-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/13/2017
Calcium	73000	61		mg/Kg-dry	10	8/13/2017
Chromium	14	1.0		mg/Kg-dry	10	8/13/2017
Cobalt	9.1	1.0		mg/Kg-dry	10	8/13/2017
Copper	19	2.5		mg/Kg-dry	10	8/13/2017
Iron	18000	31		mg/Kg-dry	10	8/13/2017
Lead	32	0.51		mg/Kg-dry	10	8/13/2017
Magnesium	40000	31		mg/Kg-dry	10	8/13/2017
Manganese	510	1.0		mg/Kg-dry	10	8/13/2017
Nickel	21	1.0		mg/Kg-dry	10	8/13/2017
Potassium	1200	31		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/13/2017
Silver	ND	1.0		mg/Kg-dry	10	8/13/2017
Sodium	630	61		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/13/2017
Vanadium	18	1.0		mg/Kg-dry	10	8/13/2017
Zinc	52	5.1		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	0.0051	0.0040		mg/L	2	8/16/2017
Barium	0.034	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.011	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	10	0.10		mg/L	2	8/16/2017
Lead	0.014	0.0020		mg/L	2	8/16/2017
Manganese	0.087	0.0040		mg/L	2	8/16/2017
Nickel	0.011	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.063	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.44	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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Report Date: August 18, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-07 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 9:10:00 AM

Lab ID: 17080286-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/16/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.030	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	5.6	0.010		mg/L	5	8/17/2017
Nickel	0.037	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	0.12	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/14/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	0.024	0.023		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/14/2017		Analyst: RW	
pH	8.77			pH Units	1	8/14/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	12.3	0.2	*	wt%	1	8/11/2017

Qualifiers:

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STAT Analysis Corporation

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-07 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:15:00 AM

Lab ID: 17080286-016A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: ERP
Acetone	ND	0.062		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0041		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0041		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0082		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.062		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.041		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0041		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0041		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0082		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0041		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0082		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0041		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0041		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.016		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.016		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0082		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0041		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0041		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0041		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0041		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.012		mg/Kg-dry	1	8/15/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-07 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 9:15:00 AM

Lab ID: 17080286-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-07 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 9:15:00 AM

Lab ID: 17080286-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.78		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/10/2017	Analyst: JG
Aluminum	8600	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	8.1	0.99		mg/Kg-dry	10	8/13/2017
Barium	39	0.99		mg/Kg-dry	10	8/13/2017
Beryllium	ND	0.50		mg/Kg-dry	10	8/13/2017

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-07 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:15:00 AM

Lab ID: 17080286-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/13/2017
Calcium	77000	59		mg/Kg-dry	10	8/13/2017
Chromium	22	0.99		mg/Kg-dry	10	8/13/2017
Cobalt	11	0.99		mg/Kg-dry	10	8/13/2017
Copper	21	2.5		mg/Kg-dry	10	8/13/2017
Iron	21000	30		mg/Kg-dry	10	8/13/2017
Lead	12	0.50		mg/Kg-dry	10	8/13/2017
Magnesium	42000	30		mg/Kg-dry	10	8/13/2017
Manganese	360	0.99		mg/Kg-dry	10	8/13/2017
Nickel	25	0.99		mg/Kg-dry	10	8/13/2017
Potassium	1700	30		mg/Kg-dry	10	8/13/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/13/2017
Silver	ND	0.99		mg/Kg-dry	10	8/13/2017
Sodium	770	59		mg/Kg-dry	10	8/13/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/13/2017
Vanadium	19	0.99		mg/Kg-dry	10	8/13/2017
Zinc	55	5.0		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	0.0069	0.0040		mg/L	2	8/16/2017
Barium	0.053	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.021	0.0040		mg/L	2	8/16/2017
Cobalt	0.0056	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	19	0.10		mg/L	2	8/16/2017
Lead	0.0079	0.0020		mg/L	2	8/16/2017
Manganese	0.094	0.0040		mg/L	2	8/16/2017
Nickel	0.019	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.074	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.21	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

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Report Date: August 18, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-07 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:15:00 AM

Lab ID: 17080286-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/16/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.070	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	3.9	0.010		mg/L	5	8/17/2017
Nickel	0.037	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/14/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.023		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C		Prep Date: 8/14/2017		Analyst: RW	
pH	8.17			pH Units	1	8/14/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	14.2	0.2	*	wt%	1	8/11/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-07 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:18:00 AM

Lab ID: 17080286-017A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: ERP
Acetone	ND	0.062		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0041		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0082		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.062		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.041		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0041		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0082		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0041		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0082		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0041		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0041		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.016		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.016		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0082		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0041		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0041		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.012		mg/Kg-dry	1	8/16/2017

Qualifiers:

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-07 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:18:00 AM

Lab ID: 17080286-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.036		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.036		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.36		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.036		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.036		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.36		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.91		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.91		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.036		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.91		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/14/2017

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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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: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-07 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:18:00 AM

Lab ID: 17080286-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.036		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.036		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.036		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.036		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.073		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.036		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.036		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.73		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	4500	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	5.7	0.99		mg/Kg-dry	10	8/13/2017
Barium	19	0.99		mg/Kg-dry	10	8/13/2017
Beryllium	ND	0.49		mg/Kg-dry	10	8/13/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-07 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 9:18:00 AM

Lab ID: 17080286-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/13/2017
Calcium	89000	59		mg/Kg-dry	10	8/13/2017
Chromium	11	0.99		mg/Kg-dry	10	8/13/2017
Cobalt	5.0	0.99		mg/Kg-dry	10	8/13/2017
Copper	12	2.5		mg/Kg-dry	10	8/13/2017
Iron	12000	30		mg/Kg-dry	10	8/13/2017
Lead	5.9	0.49		mg/Kg-dry	10	8/13/2017
Magnesium	48000	30		mg/Kg-dry	10	8/13/2017
Manganese	280	0.99		mg/Kg-dry	10	8/13/2017
Nickel	13	0.99		mg/Kg-dry	10	8/13/2017
Potassium	1100	30		mg/Kg-dry	10	8/13/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/13/2017
Silver	ND	0.99		mg/Kg-dry	10	8/13/2017
Sodium	290	59		mg/Kg-dry	10	8/13/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/13/2017
Vanadium	13	0.99		mg/Kg-dry	10	8/13/2017
Zinc	33	4.9		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	0.0083	0.0040		mg/L	2	8/16/2017
Barium	0.033	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.016	0.0040		mg/L	2	8/16/2017
Cobalt	0.0062	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	16	0.10		mg/L	2	8/16/2017
Lead	0.0046	0.0020		mg/L	2	8/16/2017
Manganese	0.083	0.0040		mg/L	2	8/16/2017
Nickel	0.017	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.072	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.16	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-07 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:18:00 AM

Lab ID: 17080286-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)				Prep Date: 8/16/2017	Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.034	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	1.4	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	3.4	0.010		mg/L	5	8/17/2017
Nickel	0.028	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A				Prep Date: 8/16/2017	Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A				Prep Date: 8/14/2017	Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A				Prep Date: 8/11/2017	Analyst: LB
Mercury	ND	0.018		mg/Kg-dry	1	8/11/2017
pH (25 °C)	SW9045C				Prep Date: 8/14/2017	Analyst: RW
pH	9.13			pH Units	1	8/14/2017
Percent Moisture	D2974				Prep Date: 8/10/2017	Analyst: KKA
Percent Moisture	8.9	0.2	*	wt%	1	8/11/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-01 (0-1)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 1:15:00 PM

Lab ID: 17080286-018A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: ERP
Acetone	ND	0.070		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0093		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.070		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0093		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0093		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0093		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-01 (0-1)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 1:15:00 PM

Lab ID: 17080286-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-01 (0-1)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 1:15:00 PM

Lab ID: 17080286-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/10/2017	Analyst: JG
Aluminum	12000	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	9.1	1.0		mg/Kg-dry	10	8/13/2017
Barium	65	1.0		mg/Kg-dry	10	8/13/2017
Beryllium	0.61	0.51		mg/Kg-dry	10	8/13/2017

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-01 (0-1)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 1:15:00 PM

Lab ID: 17080286-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/13/2017
Calcium	22000	61		mg/Kg-dry	10	8/13/2017
Chromium	18	1.0		mg/Kg-dry	10	8/13/2017
Cobalt	11	1.0		mg/Kg-dry	10	8/13/2017
Copper	22	2.5		mg/Kg-dry	10	8/13/2017
Iron	23000	30		mg/Kg-dry	10	8/13/2017
Lead	16	0.51		mg/Kg-dry	10	8/13/2017
Magnesium	13000	30		mg/Kg-dry	10	8/13/2017
Manganese	620	1.0		mg/Kg-dry	10	8/13/2017
Nickel	27	1.0		mg/Kg-dry	10	8/13/2017
Potassium	1100	30		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/13/2017
Silver	ND	1.0		mg/Kg-dry	10	8/13/2017
Sodium	1300	61		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/13/2017
Vanadium	29	1.0		mg/Kg-dry	10	8/13/2017
Zinc	52	5.1		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	0.0044	0.0040		mg/L	2	8/16/2017
Barium	0.029	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.0092	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	9.1	0.10		mg/L	2	8/16/2017
Lead	0.0067	0.0020		mg/L	2	8/16/2017
Manganese	0.053	0.0040		mg/L	2	8/16/2017
Nickel	0.0099	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.056	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.93	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-01 (0-1)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 1:15:00 PM

Lab ID: 17080286-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/16/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.037	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	8.2	0.010		mg/L	5	8/17/2017
Nickel	0.064	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/14/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	0.025	0.018		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C		Prep Date: 8/14/2017		Analyst: RW	
pH	8.56			pH Units	1	8/14/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	13.6	0.2	*	wt%	1	8/11/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-02 (0-1)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 1:12:00 PM

Lab ID: 17080286-019A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: ERP
Acetone	ND	0.075		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.075		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.050		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/15/2017

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-02 (0-1)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 1:12:00 PM

Lab ID: 17080286-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.98		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/14/2017

Qualifiers:

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-02 (0-1)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 1:12:00 PM

Lab ID: 17080286-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.79		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/10/2017	Analyst: JG
Aluminum	11000	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	5.2	0.99		mg/Kg-dry	10	8/14/2017
Barium	67	0.99		mg/Kg-dry	10	8/13/2017
Beryllium	0.57	0.49		mg/Kg-dry	10	8/14/2017

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

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: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-02 (0-1)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 1:12:00 PM

Lab ID: 17080286-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/14/2017
Calcium	64000	59		mg/Kg-dry	10	8/13/2017
Chromium	21	0.99		mg/Kg-dry	10	8/13/2017
Cobalt	11	0.99		mg/Kg-dry	10	8/13/2017
Copper	29	2.5		mg/Kg-dry	10	8/13/2017
Iron	22000	30		mg/Kg-dry	10	8/13/2017
Lead	49	0.49		mg/Kg-dry	10	8/13/2017
Magnesium	38000	30		mg/Kg-dry	10	8/13/2017
Manganese	370	0.99		mg/Kg-dry	10	8/13/2017
Nickel	28	0.99		mg/Kg-dry	10	8/13/2017
Potassium	1800	30		mg/Kg-dry	10	8/13/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/13/2017
Silver	ND	0.99		mg/Kg-dry	10	8/13/2017
Sodium	1800	59		mg/Kg-dry	10	8/13/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/13/2017
Vanadium	27	0.99		mg/Kg-dry	10	8/13/2017
Zinc	73	4.9		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	0.0072	0.0040		mg/L	2	8/16/2017
Barium	0.052	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.017	0.0040		mg/L	2	8/16/2017
Cobalt	0.0064	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	15	0.10		mg/L	2	8/16/2017
Lead	0.015	0.0020		mg/L	2	8/16/2017
Manganese	0.17	0.0040		mg/L	2	8/16/2017
Nickel	0.017	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.073	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.66	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-41-02 (0-1)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 1:12:00 PM

Lab ID: 17080286-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)				Prep Date: 8/16/2017	Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	0.11	0.010		mg/L	5	8/17/2017
Nickel	0.014	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A				Prep Date: 8/16/2017	Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A				Prep Date: 8/14/2017	Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A				Prep Date: 8/11/2017	Analyst: LB
Mercury	0.030	0.023		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C				Prep Date: 8/14/2017	Analyst: RW
pH	8.48			pH Units	1	8/14/2017
Percent Moisture	D2974				Prep Date: 8/10/2017	Analyst: KKA
Percent Moisture	15.0	0.2	*	wt%	1	8/11/2017

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-05 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:13:00 PM

Lab ID: 17080286-020A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: ERP
Acetone	ND	0.071		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0094		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.071		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0094		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0094		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0094		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-05 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:13:00 PM

Lab ID: 17080286-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-05 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:13:00 PM

Lab ID: 17080286-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.78		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/10/2017	Analyst: JG
Aluminum	12000	20		mg/Kg-dry	10	8/13/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/13/2017
Arsenic	8.5	1.0		mg/Kg-dry	10	8/14/2017
Barium	63	1.0		mg/Kg-dry	10	8/13/2017
Beryllium	0.54	0.50		mg/Kg-dry	10	8/14/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-05 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:13:00 PM

Lab ID: 17080286-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/14/2017
Calcium	81000	60		mg/Kg-dry	10	8/13/2017
Chromium	21	1.0		mg/Kg-dry	10	8/13/2017
Cobalt	13	1.0		mg/Kg-dry	10	8/13/2017
Copper	31	2.5		mg/Kg-dry	10	8/13/2017
Iron	28000	30		mg/Kg-dry	10	8/13/2017
Lead	58	0.50		mg/Kg-dry	10	8/13/2017
Magnesium	45000	30		mg/Kg-dry	10	8/13/2017
Manganese	600	1.0		mg/Kg-dry	10	8/13/2017
Nickel	31	1.0		mg/Kg-dry	10	8/13/2017
Potassium	2000	30		mg/Kg-dry	10	8/13/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/13/2017
Silver	ND	1.0		mg/Kg-dry	10	8/13/2017
Sodium	2000	60		mg/Kg-dry	10	8/13/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/13/2017
Vanadium	26	1.0		mg/Kg-dry	10	8/13/2017
Zinc	79	5.0		mg/Kg-dry	10	8/13/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	0.0072	0.0040		mg/L	2	8/16/2017
Barium	0.048	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.016	0.0040		mg/L	2	8/16/2017
Cobalt	0.0074	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	16	0.10		mg/L	2	8/16/2017
Lead	0.017	0.0020		mg/L	2	8/16/2017
Manganese	0.18	0.0040		mg/L	2	8/16/2017
Nickel	0.019	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.070	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.36	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-05 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 12:13:00 PM

Lab ID: 17080286-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/16/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.019	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	0.0091	0.0050		mg/L	5	8/17/2017
Manganese	6.6	0.010		mg/L	5	8/17/2017
Nickel	0.022	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/16/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/14/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	0.027	0.021		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C					Prep Date: 8/14/2017 Analyst: RW
pH	8.38			pH Units	1	8/14/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	14.9	0.2	*	wt%	1	8/11/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-05 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:16:00 PM

Lab ID: 17080286-021A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: ERP
Acetone	ND	0.064		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0043		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0043		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0043		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0086		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.064		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.043		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0043		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0043		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0086		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0043		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0086		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0043		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0043		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0043		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0043		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0043		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0043		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0043		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0043		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0086		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0043		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0043		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0043		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0043		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0043		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0043		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0043		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0043		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0043		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/15/2017

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-05 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 12:16:00 PM

Lab ID: 17080286-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.95		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.95		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.95		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-05 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:16:00 PM

Lab ID: 17080286-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	6000	20		mg/Kg-dry	10	8/14/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/14/2017
Arsenic	4.7	1.0		mg/Kg-dry	10	8/14/2017
Barium	26	1.0		mg/Kg-dry	10	8/14/2017
Beryllium	ND	0.50		mg/Kg-dry	10	8/14/2017

Qualifiers:

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Report Date: August 18, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-05 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:16:00 PM

Lab ID: 17080286-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/14/2017
Calcium	130000	600		mg/Kg-dry	100	8/14/2017
Chromium	12	1.0		mg/Kg-dry	10	8/14/2017
Cobalt	7.0	1.0		mg/Kg-dry	10	8/14/2017
Copper	14	2.5		mg/Kg-dry	10	8/14/2017
Iron	14000	30		mg/Kg-dry	10	8/14/2017
Lead	7.1	0.50		mg/Kg-dry	10	8/14/2017
Magnesium	64000	30		mg/Kg-dry	10	8/14/2017
Manganese	390	1.0		mg/Kg-dry	10	8/14/2017
Nickel	16	1.0		mg/Kg-dry	10	8/14/2017
Potassium	1200	30		mg/Kg-dry	10	8/14/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/14/2017
Silver	ND	1.0		mg/Kg-dry	10	8/14/2017
Sodium	940	60		mg/Kg-dry	10	8/14/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/14/2017
Vanadium	16	1.0		mg/Kg-dry	10	8/14/2017
Zinc	33	5.0		mg/Kg-dry	10	8/14/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/12/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	0.028	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.0098	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	8.7	0.10		mg/L	2	8/16/2017
Lead	0.0030	0.0020		mg/L	2	8/16/2017
Manganese	0.076	0.0040		mg/L	2	8/16/2017
Nickel	0.0094	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.048	0.020		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.22	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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J - Analyte detected below quantitation limits

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HT - Sample received past holding time

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

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

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-05 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:16:00 PM

Lab ID: 17080286-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)				Prep Date: 8/16/2017	Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.019	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	3.9	0.010		mg/L	5	8/17/2017
Nickel	0.048	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A				Prep Date: 8/16/2017	Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/16/2017
SPLP Mercury	SW1312/7470A				Prep Date: 8/14/2017	Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/14/2017
Mercury	SW7471A				Prep Date: 8/11/2017	Analyst: LB
Mercury	ND	0.019		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C				Prep Date: 8/14/2017	Analyst: RW
pH	8.41			pH Units	1	8/14/2017
Percent Moisture	D2974				Prep Date: 8/10/2017	Analyst: KKA
Percent Moisture	13.3	0.2	*	wt%	1	8/11/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-06 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:27:00 PM

Lab ID: 17080286-022A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: JNM
Acetone	ND	0.066		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0044		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0087		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.066		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.044		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0087		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0044		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0087		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0087		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0044		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/15/2017

Qualifiers:

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HT - Sample received past holding time

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-06 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:27:00 PM

Lab ID: 17080286-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.95		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.95		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.95		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017

Qualifiers:

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-06 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 12:27:00 PM

Lab ID: 17080286-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	5300	20		mg/Kg-dry	10	8/14/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/14/2017
Arsenic	4.7	1.0		mg/Kg-dry	10	8/14/2017
Barium	23	1.0		mg/Kg-dry	10	8/14/2017
Beryllium	ND	0.51		mg/Kg-dry	10	8/14/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-06 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:27:00 PM

Lab ID: 17080286-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/14/2017
Calcium	120000	610		mg/Kg-dry	100	8/14/2017
Chromium	12	1.0		mg/Kg-dry	10	8/14/2017
Cobalt	6.5	1.0		mg/Kg-dry	10	8/14/2017
Copper	18	2.6		mg/Kg-dry	10	8/14/2017
Iron	14000	31		mg/Kg-dry	10	8/14/2017
Lead	7.0	0.51		mg/Kg-dry	10	8/14/2017
Magnesium	61000	31		mg/Kg-dry	10	8/14/2017
Manganese	430	1.0		mg/Kg-dry	10	8/14/2017
Nickel	16	1.0		mg/Kg-dry	10	8/14/2017
Potassium	960	31		mg/Kg-dry	10	8/14/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/14/2017
Silver	ND	1.0		mg/Kg-dry	10	8/14/2017
Sodium	620	61		mg/Kg-dry	10	8/14/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/14/2017
Vanadium	16	1.0		mg/Kg-dry	10	8/14/2017
Zinc	30	5.1		mg/Kg-dry	10	8/14/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/17/2017
Barium	0.028	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	0.0089	0.0040		mg/L	2	8/17/2017
Cobalt	ND	0.0040		mg/L	2	8/17/2017
Copper	ND	0.040		mg/L	2	8/17/2017
Iron	6.1	0.10		mg/L	2	8/17/2017
Lead	ND	0.0020		mg/L	2	8/17/2017
Manganese	0.031	0.0040		mg/L	2	8/17/2017
Nickel	0.0063	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	ND	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.33	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-06 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:27:00 PM

Lab ID: 17080286-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/17/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	0.78	0.010		mg/L	5	8/17/2017
Nickel	ND	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.020		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C		Prep Date: 8/14/2017		Analyst: RW	
pH	8.22			pH Units	1	8/14/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	13.3	0.2	*	wt%	1	8/11/2017

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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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-06 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:31:00 PM

Lab ID: 17080286-023A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: JNM
Acetone	ND	0.070		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0093		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.070		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0093		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0093		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0093		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-06 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 12:31:00 PM

Lab ID: 17080286-023B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.97		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.97		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.97		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-06 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:31:00 PM

Lab ID: 17080286-023B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Fluoranthene	0.064	0.038		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	8/14/2017
Phenanthrene	0.057	0.038		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Pyrene	0.051	0.038		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.78		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/10/2017	Analyst: JG
Aluminum	8600	21		mg/Kg-dry	10	8/14/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/14/2017
Arsenic	7.8	1.0		mg/Kg-dry	10	8/14/2017
Barium	58	1.0		mg/Kg-dry	10	8/14/2017
Beryllium	0.53	0.52		mg/Kg-dry	10	8/14/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-06 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:31:00 PM

Lab ID: 17080286-023B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/14/2017
Calcium	94000	63		mg/Kg-dry	10	8/14/2017
Chromium	18	1.0		mg/Kg-dry	10	8/14/2017
Cobalt	9.6	1.0		mg/Kg-dry	10	8/14/2017
Copper	20	2.6		mg/Kg-dry	10	8/14/2017
Iron	21000	31		mg/Kg-dry	10	8/14/2017
Lead	15	0.52		mg/Kg-dry	10	8/14/2017
Magnesium	54000	31		mg/Kg-dry	10	8/14/2017
Manganese	530	1.0		mg/Kg-dry	10	8/14/2017
Nickel	23	1.0		mg/Kg-dry	10	8/14/2017
Potassium	1300	31		mg/Kg-dry	10	8/14/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/14/2017
Silver	ND	1.0		mg/Kg-dry	10	8/14/2017
Sodium	960	63		mg/Kg-dry	10	8/14/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/14/2017
Vanadium	22	1.0		mg/Kg-dry	10	8/14/2017
Zinc	55	5.2		mg/Kg-dry	10	8/14/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/17/2017
Barium	0.029	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	0.010	0.0040		mg/L	2	8/17/2017
Cobalt	ND	0.0040		mg/L	2	8/17/2017
Copper	ND	0.040		mg/L	2	8/17/2017
Iron	6.1	0.10		mg/L	2	8/17/2017
Lead	0.0025	0.0020		mg/L	2	8/17/2017
Manganese	0.048	0.0040		mg/L	2	8/17/2017
Nickel	0.0068	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	ND	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.35	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-06 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:31:00 PM

Lab ID: 17080286-023B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/17/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	1.5	0.010		mg/L	5	8/17/2017
Nickel	0.014	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.019		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C		Prep Date: 8/14/2017		Analyst: RW	
pH	8.25			pH Units	1	8/14/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	14.6	0.2	*	wt%	1	8/11/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-07 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:42:00 PM

Lab ID: 17080286-024A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: JNM
Acetone	ND	0.064		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0042		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0042		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0042		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0085		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.064		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.042		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0042		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0042		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0085		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0042		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0085		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0042		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0042		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0042		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0042		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0042		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0042		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0042		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0042		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0085		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0042		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0042		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0042		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0042		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0042		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0042		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0042		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0042		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0042		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/16/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-07 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:42:00 PM

Lab ID: 17080286-024B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.92		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.92		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.92		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/14/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-07 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 12:42:00 PM

Lab ID: 17080286-024B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)			Prep Date: 8/10/2017		Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.074		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.74		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)			Prep Date: 8/10/2017		Analyst: JG
Aluminum	7800	19		mg/Kg-dry	10	8/14/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/14/2017
Arsenic	23	0.96		mg/Kg-dry	10	8/14/2017
Barium	55	0.96		mg/Kg-dry	10	8/14/2017
Beryllium	0.60	0.48		mg/Kg-dry	10	8/14/2017

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-07 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:42:00 PM

Lab ID: 17080286-024B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/14/2017
Calcium	75000	57		mg/Kg-dry	10	8/14/2017
Chromium	23	0.96		mg/Kg-dry	10	8/14/2017
Cobalt	11	0.96		mg/Kg-dry	10	8/14/2017
Copper	27	2.4		mg/Kg-dry	10	8/14/2017
Iron	36000	29		mg/Kg-dry	10	8/14/2017
Lead	19	0.48		mg/Kg-dry	10	8/14/2017
Magnesium	46000	29		mg/Kg-dry	10	8/14/2017
Manganese	450	0.96		mg/Kg-dry	10	8/14/2017
Nickel	27	0.96		mg/Kg-dry	10	8/14/2017
Potassium	1400	29		mg/Kg-dry	10	8/14/2017
Selenium	ND	0.96		mg/Kg-dry	10	8/14/2017
Silver	ND	0.96		mg/Kg-dry	10	8/14/2017
Sodium	1000	57		mg/Kg-dry	10	8/14/2017
Thallium	ND	0.96		mg/Kg-dry	10	8/14/2017
Vanadium	33	0.96		mg/Kg-dry	10	8/14/2017
Zinc	65	4.8		mg/Kg-dry	10	8/14/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0053	0.0040		mg/L	2	8/17/2017
Barium	0.049	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	0.014	0.0040		mg/L	2	8/17/2017
Cobalt	0.0043	0.0040		mg/L	2	8/17/2017
Copper	ND	0.040		mg/L	2	8/17/2017
Iron	11	0.10		mg/L	2	8/17/2017
Lead	0.0039	0.0020		mg/L	2	8/17/2017
Manganese	0.092	0.0040		mg/L	2	8/17/2017
Nickel	0.013	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	0.052	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.56	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-07 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 12:42:00 PM

Lab ID: 17080286-024B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/17/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	0.44	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	0.29	0.010		mg/L	5	8/17/2017
Nickel	ND	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/17/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.022		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C					Prep Date: 8/14/2017 Analyst: RW
pH	9.05			pH Units	1	8/14/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	10.6	0.2	*	wt%	1	8/11/2017

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E - Value above quantitation range

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Report Date: August 18, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-07 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 12:47:00 PM

Lab ID: 17080286-025A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: JNM
Acetone	ND	0.057		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0038		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0038		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0038		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0076		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.057		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.038		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0038		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0038		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0076		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0038		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0076		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0038		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0038		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0038		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0038		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0038		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0038		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0038		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0015		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0015		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0038		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.015		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.015		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0076		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0038		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0038		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0038		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0038		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0038		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0038		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0038		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0038		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0038		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.011		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 18, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-07 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:47:00 PM

Lab ID: 17080286-025B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.93		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.93		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.93		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/14/2017

Qualifiers:

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-07 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 12:47:00 PM

Lab ID: 17080286-025B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.075		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.75		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/10/2017	Analyst: JG
Aluminum	4000	20		mg/Kg-dry	10	8/14/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/14/2017
Arsenic	5.5	0.99		mg/Kg-dry	10	8/14/2017
Barium	17	0.99		mg/Kg-dry	10	8/14/2017
Beryllium	ND	0.50		mg/Kg-dry	10	8/14/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-07 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:47:00 PM

Lab ID: 17080286-025B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/14/2017
Calcium	150000	600		mg/Kg-dry	100	8/14/2017
Chromium	11	0.99		mg/Kg-dry	10	8/14/2017
Cobalt	4.6	0.99		mg/Kg-dry	10	8/14/2017
Copper	13	2.5		mg/Kg-dry	10	8/14/2017
Iron	13000	30		mg/Kg-dry	10	8/14/2017
Lead	7.8	0.50		mg/Kg-dry	10	8/14/2017
Magnesium	82000	30		mg/Kg-dry	10	8/14/2017
Manganese	770	0.99		mg/Kg-dry	10	8/14/2017
Nickel	12	0.99		mg/Kg-dry	10	8/14/2017
Potassium	1200	30		mg/Kg-dry	10	8/14/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/14/2017
Silver	ND	0.99		mg/Kg-dry	10	8/14/2017
Sodium	610	60		mg/Kg-dry	10	8/14/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/14/2017
Vanadium	14	0.99		mg/Kg-dry	10	8/14/2017
Zinc	35	5.0		mg/Kg-dry	10	8/14/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/17/2017
Barium	0.030	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	0.011	0.0040		mg/L	2	8/17/2017
Cobalt	ND	0.0040		mg/L	2	8/17/2017
Copper	ND	0.040		mg/L	2	8/17/2017
Iron	8.9	0.10		mg/L	2	8/17/2017
Lead	0.0030	0.0020		mg/L	2	8/17/2017
Manganese	0.060	0.0040		mg/L	2	8/17/2017
Nickel	0.010	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	0.054	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.23	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-07 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 12:47:00 PM

Lab ID: 17080286-025B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/17/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	1.3	0.010		mg/L	5	8/17/2017
Nickel	0.012	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.021		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C		Prep Date: 8/14/2017		Analyst: RW	
pH	8.99			pH Units	1	8/14/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	11.0	0.2	*	wt%	1	8/11/2017

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-10 (0-1)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 1:25:00 PM

Lab ID: 17080286-026A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: JNM
Acetone	ND	0.069		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0046		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0093		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.069		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.046		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0093		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0046		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0093		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0093		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-10 (0-1)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 1:25:00 PM

Lab ID: 17080286-026B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.98		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/14/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-10 (0-1)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 1:25:00 PM

Lab ID: 17080286-026B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.79		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/10/2017	Analyst: JG
Aluminum	10000	20		mg/Kg-dry	10	8/14/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/14/2017
Arsenic	7.9	1.0		mg/Kg-dry	10	8/14/2017
Barium	78	1.0		mg/Kg-dry	10	8/14/2017
Beryllium	0.62	0.51		mg/Kg-dry	10	8/14/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-10 (0-1)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 1:25:00 PM

Lab ID: 17080286-026B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/14/2017
Calcium	65000	61		mg/Kg-dry	10	8/14/2017
Chromium	18	1.0		mg/Kg-dry	10	8/14/2017
Cobalt	11	1.0		mg/Kg-dry	10	8/14/2017
Copper	22	2.5		mg/Kg-dry	10	8/14/2017
Iron	22000	30		mg/Kg-dry	10	8/14/2017
Lead	23	0.51		mg/Kg-dry	10	8/14/2017
Magnesium	37000	30		mg/Kg-dry	10	8/14/2017
Manganese	640	1.0		mg/Kg-dry	10	8/14/2017
Nickel	24	1.0		mg/Kg-dry	10	8/14/2017
Potassium	1500	30		mg/Kg-dry	10	8/14/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/14/2017
Silver	ND	1.0		mg/Kg-dry	10	8/14/2017
Sodium	2900	61		mg/Kg-dry	10	8/14/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/14/2017
Vanadium	26	1.0		mg/Kg-dry	10	8/14/2017
Zinc	59	5.1		mg/Kg-dry	10	8/14/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.010	0.0040		mg/L	2	8/17/2017
Barium	0.080	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	0.028	0.0040		mg/L	2	8/17/2017
Cobalt	0.0064	0.0040		mg/L	2	8/17/2017
Copper	0.058	0.040		mg/L	2	8/17/2017
Iron	32	1.0		mg/L	20	8/17/2017
Lead	0.019	0.0020		mg/L	2	8/17/2017
Manganese	0.15	0.0040		mg/L	2	8/17/2017
Nickel	0.023	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	0.12	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.44	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-10 (0-1)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 1:25:00 PM

Lab ID: 17080286-026B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/17/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	0.72	0.010		mg/L	5	8/17/2017
Nickel	ND	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/17/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	0.038	0.019		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C					Prep Date: 8/14/2017 Analyst: RW
pH	8.71			pH Units	1	8/14/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	16.2	0.2	*	wt%	1	8/11/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-11 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:50:00 PM

Lab ID: 17080286-027A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: JNM
Acetone	ND	0.066		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0089		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.066		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.044		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0089		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0089		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0089		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/16/2017

Qualifiers:

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-11 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 12:50:00 PM

Lab ID: 17080286-027B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.93		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.93		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.93		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/14/2017

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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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-11 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:50:00 PM

Lab ID: 17080286-027B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.075		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.75		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/10/2017	Analyst: JG
Aluminum	9000	20		mg/Kg-dry	10	8/14/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/14/2017
Arsenic	8.7	1.0		mg/Kg-dry	10	8/14/2017
Barium	68	1.0		mg/Kg-dry	10	8/14/2017
Beryllium	0.55	0.51		mg/Kg-dry	10	8/14/2017

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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RL - Reporting / Quantitation Limit for the analysis

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-11 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:50:00 PM

Lab ID: 17080286-027B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/14/2017
Calcium	77000	61		mg/Kg-dry	10	8/14/2017
Chromium	17	1.0		mg/Kg-dry	10	8/14/2017
Cobalt	11	1.0		mg/Kg-dry	10	8/14/2017
Copper	23	2.5		mg/Kg-dry	10	8/14/2017
Iron	22000	30		mg/Kg-dry	10	8/14/2017
Lead	31	0.51		mg/Kg-dry	10	8/14/2017
Magnesium	45000	30		mg/Kg-dry	10	8/14/2017
Manganese	620	1.0		mg/Kg-dry	10	8/14/2017
Nickel	24	1.0		mg/Kg-dry	10	8/14/2017
Potassium	1300	30		mg/Kg-dry	10	8/14/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/14/2017
Silver	ND	1.0		mg/Kg-dry	10	8/14/2017
Sodium	1400	61		mg/Kg-dry	10	8/14/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/14/2017
Vanadium	23	1.0		mg/Kg-dry	10	8/14/2017
Zinc	58	5.1		mg/Kg-dry	10	8/14/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0071	0.0040		mg/L	2	8/17/2017
Barium	0.048	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	0.017	0.0040		mg/L	2	8/17/2017
Cobalt	0.0078	0.0040		mg/L	2	8/17/2017
Copper	ND	0.040		mg/L	2	8/17/2017
Iron	16	0.10		mg/L	2	8/17/2017
Lead	0.014	0.0020		mg/L	2	8/17/2017
Manganese	0.20	0.0040		mg/L	2	8/17/2017
Nickel	0.020	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	0.063	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.90	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

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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R - RPD outside accepted recovery limits

E - Value above quantitation range

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STAT Analysis Corporation

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-11 (0-5)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 12:50:00 PM

Lab ID: 17080286-027B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/17/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.021	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	11	0.010		mg/L	5	8/17/2017
Nickel	0.019	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	0.022	0.021		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C		Prep Date: 8/14/2017		Analyst: RW	
pH	8.04			pH Units	1	8/14/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	12.2	0.2	*	wt%	1	8/11/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-11 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:52:00 PM

Lab ID: 17080286-028A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: JNM
Acetone	ND	0.071		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0095		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.071		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0095		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0095		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0095		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-11 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 12:52:00 PM

Lab ID: 17080286-028B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.040		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/14/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-11 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:52:00 PM

Lab ID: 17080286-028B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: MEP
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.81		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/10/2017	Analyst: JG
Aluminum	12000	21		mg/Kg-dry	10	8/14/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/14/2017
Arsenic	9.0	1.0		mg/Kg-dry	10	8/14/2017
Barium	96	1.0		mg/Kg-dry	10	8/14/2017
Beryllium	0.63	0.52		mg/Kg-dry	10	8/14/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-11 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:52:00 PM

Lab ID: 17080286-028B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/14/2017
Calcium	72000	62		mg/Kg-dry	10	8/14/2017
Chromium	17	1.0		mg/Kg-dry	10	8/14/2017
Cobalt	9.1	1.0		mg/Kg-dry	10	8/14/2017
Copper	20	2.6		mg/Kg-dry	10	8/14/2017
Iron	21000	31		mg/Kg-dry	10	8/14/2017
Lead	12	0.52		mg/Kg-dry	10	8/14/2017
Magnesium	43000	31		mg/Kg-dry	10	8/14/2017
Manganese	540	1.0		mg/Kg-dry	10	8/14/2017
Nickel	21	1.0		mg/Kg-dry	10	8/14/2017
Potassium	960	31		mg/Kg-dry	10	8/14/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/14/2017
Silver	ND	1.0		mg/Kg-dry	10	8/14/2017
Sodium	340	62		mg/Kg-dry	10	8/14/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/14/2017
Vanadium	32	1.0		mg/Kg-dry	10	8/14/2017
Zinc	48	5.2		mg/Kg-dry	10	8/14/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/17/2017
Barium	0.036	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	0.0073	0.0040		mg/L	2	8/17/2017
Cobalt	ND	0.0040		mg/L	2	8/17/2017
Copper	ND	0.040		mg/L	2	8/17/2017
Iron	5.9	0.10		mg/L	2	8/17/2017
Lead	0.0029	0.0020		mg/L	2	8/17/2017
Manganese	0.094	0.0040		mg/L	2	8/17/2017
Nickel	0.0064	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	0.044	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	1.3	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

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Report Date: August 18, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-11 (5-9)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:52:00 PM

Lab ID: 17080286-028B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/17/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.034	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	9.7	0.010		mg/L	5	8/17/2017
Nickel	0.036	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/17/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	0.036	0.022		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C					Prep Date: 8/14/2017 Analyst: RW
pH	7.53			pH Units	1	8/14/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	18.1	0.2	*	wt%	1	8/11/2017

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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Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-08 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:50:00 AM

Lab ID: 17080286-029A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: JNM
Acetone	ND	0.067		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0045		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0045		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0089		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.067		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.045		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0045		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0045		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0089		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0045		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0089		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0045		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0045		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0089		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0045		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0045		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0045		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0045		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/16/2017

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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R - RPD outside accepted recovery limits

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: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-08 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:50:00 AM

Lab ID: 17080286-029B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.95		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.95		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.95		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-08 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:50:00 AM

Lab ID: 17080286-029B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	15000	19		mg/Kg-dry	10	8/14/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/14/2017
Arsenic	8.2	0.96		mg/Kg-dry	10	8/14/2017
Barium	81	0.96		mg/Kg-dry	10	8/14/2017
Beryllium	0.79	0.48		mg/Kg-dry	10	8/14/2017

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-08 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:50:00 AM

Lab ID: 17080286-029B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/14/2017
Calcium	2100	58		mg/Kg-dry	10	8/14/2017
Chromium	22	0.96		mg/Kg-dry	10	8/14/2017
Cobalt	15	0.96		mg/Kg-dry	10	8/14/2017
Copper	17	2.4		mg/Kg-dry	10	8/14/2017
Iron	25000	29		mg/Kg-dry	10	8/14/2017
Lead	17	0.48		mg/Kg-dry	10	8/14/2017
Magnesium	3800	29		mg/Kg-dry	10	8/14/2017
Manganese	690	0.96		mg/Kg-dry	10	8/14/2017
Nickel	23	0.96		mg/Kg-dry	10	8/14/2017
Potassium	1400	29		mg/Kg-dry	10	8/14/2017
Selenium	ND	0.96		mg/Kg-dry	10	8/14/2017
Silver	ND	0.96		mg/Kg-dry	10	8/14/2017
Sodium	670	58		mg/Kg-dry	10	8/14/2017
Thallium	ND	0.96		mg/Kg-dry	10	8/14/2017
Vanadium	33	0.96		mg/Kg-dry	10	8/14/2017
Zinc	50	4.8		mg/Kg-dry	10	8/14/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/17/2017
Barium	0.039	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	0.013	0.0040		mg/L	2	8/17/2017
Cobalt	ND	0.0040		mg/L	2	8/17/2017
Copper	ND	0.040		mg/L	2	8/17/2017
Iron	9.6	0.10		mg/L	2	8/17/2017
Lead	0.0041	0.0020		mg/L	2	8/17/2017
Manganese	0.10	0.0040		mg/L	2	8/17/2017
Nickel	0.0094	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	0.041	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.23	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

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Report Date: August 18, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-08 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:50:00 AM

Lab ID: 17080286-029B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/17/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	0.31	0.010		mg/L	5	8/17/2017
Nickel	ND	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	0.023	0.022		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C		Prep Date: 8/14/2017		Analyst: RW	
pH	7.55			pH Units	1	8/14/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	13.1	0.2	*	wt%	1	8/11/2017

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-08 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:53:00 AM

Lab ID: 17080286-030A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: JNM
Acetone	ND	0.061		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0041		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0081		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.061		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.041		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0041		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0081		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0041		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0081		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0041		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0041		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.016		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.016		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0081		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0041		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0041		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.012		mg/Kg-dry	1	8/16/2017

Qualifiers:

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* - Non-accredited parameter

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-08 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:53:00 AM

Lab ID: 17080286-030B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)			Prep Date: 8/10/2017	Analyst: MEP
Acenaphthene	ND	0.036		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.036		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.36		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.036		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.036		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.36		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.91		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.91		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.036		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.91		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/14/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-08 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:53:00 AM

Lab ID: 17080286-030B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: MEP
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.036		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.036		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.036		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.036		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.073		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.036		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.036		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.73		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	4100	19		mg/Kg-dry	10	8/14/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/14/2017
Arsenic	6.0	0.95		mg/Kg-dry	10	8/14/2017
Barium	21	0.95		mg/Kg-dry	10	8/14/2017
Beryllium	ND	0.48		mg/Kg-dry	10	8/14/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-08 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:53:00 AM

Lab ID: 17080286-030B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/14/2017
Calcium	110000	570		mg/Kg-dry	100	8/14/2017
Chromium	8.8	0.95		mg/Kg-dry	10	8/14/2017
Cobalt	6.2	0.95		mg/Kg-dry	10	8/14/2017
Copper	20	2.4		mg/Kg-dry	10	8/14/2017
Iron	13000	29		mg/Kg-dry	10	8/14/2017
Lead	6.4	0.48		mg/Kg-dry	10	8/14/2017
Magnesium	61000	29		mg/Kg-dry	10	8/14/2017
Manganese	490	0.95		mg/Kg-dry	10	8/14/2017
Nickel	16	0.95		mg/Kg-dry	10	8/14/2017
Potassium	690	29		mg/Kg-dry	10	8/14/2017
Selenium	ND	0.95		mg/Kg-dry	10	8/14/2017
Silver	ND	0.95		mg/Kg-dry	10	8/14/2017
Sodium	500	57		mg/Kg-dry	10	8/14/2017
Thallium	ND	0.95		mg/Kg-dry	10	8/14/2017
Vanadium	16	0.95		mg/Kg-dry	10	8/14/2017
Zinc	31	4.8		mg/Kg-dry	10	8/14/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/17/2017
Barium	ND	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	ND	0.0040		mg/L	2	8/17/2017
Cobalt	ND	0.0040		mg/L	2	8/17/2017
Copper	ND	0.040		mg/L	2	8/17/2017
Iron	0.50	0.10		mg/L	2	8/17/2017
Lead	ND	0.0020		mg/L	2	8/17/2017
Manganese	ND	0.0040		mg/L	2	8/17/2017
Nickel	ND	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	ND	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.18	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

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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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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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-08 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:53:00 AM

Lab ID: 17080286-030B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/17/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.031	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	2.7	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	4.1	0.010		mg/L	5	8/17/2017
Nickel	0.063	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/17/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.020		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C					Prep Date: 8/14/2017 Analyst: RW
pH	8.06			pH Units	1	8/14/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	8.5	0.2	*	wt%	1	8/11/2017

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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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-08 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:56:00 AM

Lab ID: 17080286-031A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: JNM
Acetone	ND	0.074		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0049		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0099		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.074		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.049		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0099		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0049		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0099		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0099		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/16/2017

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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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-08 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:56:00 AM

Lab ID: 17080286-031B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/10/2017	Analyst: DM

Acenaphthene	ND	0.036		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.036		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.36		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.036		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.036		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.36		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.90		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.90		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.036		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.90		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-08 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:56:00 AM

Lab ID: 17080286-031B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/10/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.036		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.036		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.036		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.036		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.073		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.036		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.036		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.73		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/10/2017 Analyst: JG

Aluminum	3000	19		mg/Kg-dry	10	8/14/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/14/2017
Arsenic	4.4	0.95		mg/Kg-dry	10	8/14/2017
Barium	13	0.95		mg/Kg-dry	10	8/14/2017
Beryllium	ND	0.47		mg/Kg-dry	10	8/14/2017

Qualifiers:

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* - Non-accredited parameter

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-08 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:56:00 AM

Lab ID: 17080286-031B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.47		mg/Kg-dry	10	8/14/2017
Calcium	130000	570		mg/Kg-dry	100	8/14/2017
Chromium	7.6	0.95		mg/Kg-dry	10	8/14/2017
Cobalt	4.6	0.95		mg/Kg-dry	10	8/14/2017
Copper	11	2.4		mg/Kg-dry	10	8/14/2017
Iron	11000	28		mg/Kg-dry	10	8/14/2017
Lead	6.2	0.47		mg/Kg-dry	10	8/14/2017
Magnesium	59000	28		mg/Kg-dry	10	8/14/2017
Manganese	310	0.95		mg/Kg-dry	10	8/14/2017
Nickel	10	0.95		mg/Kg-dry	10	8/14/2017
Potassium	610	28		mg/Kg-dry	10	8/14/2017
Selenium	ND	0.95		mg/Kg-dry	10	8/14/2017
Silver	ND	0.95		mg/Kg-dry	10	8/14/2017
Sodium	260	57		mg/Kg-dry	10	8/14/2017
Thallium	ND	0.95		mg/Kg-dry	10	8/14/2017
Vanadium	11	0.95		mg/Kg-dry	10	8/14/2017
Zinc	28	4.7		mg/Kg-dry	10	8/14/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/17/2017
Barium	ND	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	ND	0.0040		mg/L	2	8/17/2017
Cobalt	ND	0.0040		mg/L	2	8/17/2017
Copper	ND	0.040		mg/L	2	8/17/2017
Iron	2.0	0.10		mg/L	2	8/17/2017
Lead	ND	0.0020		mg/L	2	8/17/2017
Manganese	0.0094	0.0040		mg/L	2	8/17/2017
Nickel	ND	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	ND	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.11	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-08 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:56:00 AM

Lab ID: 17080286-031B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/17/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.044	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	3.7	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	4.3	0.010		mg/L	5	8/17/2017
Nickel	0.067	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/17/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.022		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C					Prep Date: 8/14/2017 Analyst: RW
pH	8.05			pH Units	1	8/14/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	8.1	0.2	*	wt%	1	8/11/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-09 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:35:00 AM

Lab ID: 17080286-032A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: JNM
Acetone	ND	0.080		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0053		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0053		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.080		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.053		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0053		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0053		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0053		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0053		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0053		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0053		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0053		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-09 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:35:00 AM

Lab ID: 17080286-032B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)	Prep Date: 8/10/2017	Analyst: DM

Acenaphthene	ND	0.037	mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.037	mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38	mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.037	mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.037	mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.37	mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.037	mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.037	mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.037	mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.037	mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.94	mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19	mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19	mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19	mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.94	mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19	mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19	mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19	mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19	mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.37	mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19	mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19	mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19	mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.037	mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.037	mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19	mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19	mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19	mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19	mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19	mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19	mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19	mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19	mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19	mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.94	mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.037	mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.037	mg/Kg-dry	1	8/15/2017

Qualifiers:

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J - Analyte detected below quantitation limits

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HT - Sample received past holding time

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-09 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:35:00 AM

Lab ID: 17080286-032B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/10/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.076		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.76		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/10/2017 Analyst: JG

Aluminum	10000	21		mg/Kg-dry	10	8/14/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/14/2017
Arsenic	13	1.0		mg/Kg-dry	10	8/14/2017
Barium	100	1.0		mg/Kg-dry	10	8/14/2017
Beryllium	0.67	0.52		mg/Kg-dry	10	8/14/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-09 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:35:00 AM

Lab ID: 17080286-032B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/14/2017
Calcium	45000	62		mg/Kg-dry	10	8/14/2017
Chromium	17	1.0		mg/Kg-dry	10	8/14/2017
Cobalt	12	1.0		mg/Kg-dry	10	8/14/2017
Copper	20	2.6		mg/Kg-dry	10	8/14/2017
Iron	21000	31		mg/Kg-dry	10	8/14/2017
Lead	33	0.52		mg/Kg-dry	10	8/14/2017
Magnesium	28000	31		mg/Kg-dry	10	8/14/2017
Manganese	910	1.0		mg/Kg-dry	10	8/14/2017
Nickel	21	1.0		mg/Kg-dry	10	8/14/2017
Potassium	1100	31		mg/Kg-dry	10	8/14/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/14/2017
Silver	ND	1.0		mg/Kg-dry	10	8/14/2017
Sodium	870	62		mg/Kg-dry	10	8/14/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/14/2017
Vanadium	28	1.0		mg/Kg-dry	10	8/14/2017
Zinc	65	5.2		mg/Kg-dry	10	8/14/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0081	0.0040		mg/L	2	8/17/2017
Barium	0.036	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	0.013	0.0040		mg/L	2	8/17/2017
Cobalt	ND	0.0040		mg/L	2	8/17/2017
Copper	ND	0.040		mg/L	2	8/17/2017
Iron	11	0.10		mg/L	2	8/17/2017
Lead	0.0073	0.0020		mg/L	2	8/17/2017
Manganese	0.086	0.0040		mg/L	2	8/17/2017
Nickel	0.011	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	0.054	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.58	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-09 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:35:00 AM

Lab ID: 17080286-032B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/17/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	0.69	0.010		mg/L	5	8/17/2017
Nickel	ND	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	0.059	0.020		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C		Prep Date: 8/14/2017		Analyst: RW	
pH	8.59			pH Units	1	8/14/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	12.9	0.2	*	wt%	1	8/11/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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S - Spike Recovery outside accepted recovery limits

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-09 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:39:00 AM

Lab ID: 17080286-033A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: JNM
Acetone	0.081	0.080		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0053		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0053		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.080		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.053		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0053		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0053		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0053		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0053		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0053		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0053		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0053		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/16/2017

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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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-09 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:39:00 AM

Lab ID: 17080286-033B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)	Prep Date: 8/10/2017	Analyst: DM

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.94		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017

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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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-09 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:39:00 AM

Lab ID: 17080286-033B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS

SW8270C (SW3550B)

Prep Date: 8/10/2017

Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.076		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.76		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Aluminum	7100	21		mg/Kg-dry	10	8/14/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/14/2017
Arsenic	2.7	1.0		mg/Kg-dry	10	8/14/2017
Barium	35	1.0		mg/Kg-dry	10	8/14/2017
Beryllium	ND	0.52		mg/Kg-dry	10	8/14/2017

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

H - Holding time exceeded

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-09 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:39:00 AM

Lab ID: 17080286-033B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/14/2017
Calcium	79000	62		mg/Kg-dry	10	8/14/2017
Chromium	14	1.0		mg/Kg-dry	10	8/14/2017
Cobalt	4.0	1.0		mg/Kg-dry	10	8/14/2017
Copper	14	2.6		mg/Kg-dry	10	8/14/2017
Iron	16000	31		mg/Kg-dry	10	8/14/2017
Lead	7.4	0.52		mg/Kg-dry	10	8/14/2017
Magnesium	49000	31		mg/Kg-dry	10	8/14/2017
Manganese	180	1.0		mg/Kg-dry	10	8/14/2017
Nickel	12	1.0		mg/Kg-dry	10	8/14/2017
Potassium	920	31		mg/Kg-dry	10	8/14/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/14/2017
Silver	ND	1.0		mg/Kg-dry	10	8/14/2017
Sodium	870	62		mg/Kg-dry	10	8/14/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/14/2017
Vanadium	21	1.0		mg/Kg-dry	10	8/14/2017
Zinc	42	5.2		mg/Kg-dry	10	8/14/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/17/2017
Barium	0.047	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	0.020	0.0040		mg/L	2	8/17/2017
Cobalt	ND	0.0040		mg/L	2	8/17/2017
Copper	ND	0.040		mg/L	2	8/17/2017
Iron	15	0.10		mg/L	2	8/17/2017
Lead	0.0054	0.0020		mg/L	2	8/17/2017
Manganese	0.072	0.0040		mg/L	2	8/17/2017
Nickel	0.012	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	0.061	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.49	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

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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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-09 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:39:00 AM

Lab ID: 17080286-033B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/17/2017		Analyst: JG	
Chromium	0.012	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	0.70	0.010		mg/L	5	8/17/2017
Nickel	0.020	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.019		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C		Prep Date: 8/14/2017		Analyst: RW	
pH	8.48			pH Units	1	8/14/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	13.6	0.2	*	wt%	1	8/11/2017

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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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-09 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:43:00 AM

Lab ID: 17080286-034A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: JNM
Acetone	ND	0.068		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0046		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0091		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.068		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.046		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0091		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0046		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0091		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0091		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/16/2017

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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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-09 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:43:00 AM

Lab ID: 17080286-034B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: MEP
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-09 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:43:00 AM

Lab ID: 17080286-034B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: MEP
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	2800	20		mg/Kg-dry	10	8/14/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/14/2017
Arsenic	1.7	0.98		mg/Kg-dry	10	8/14/2017
Barium	16	0.98		mg/Kg-dry	10	8/14/2017
Beryllium	ND	0.49		mg/Kg-dry	10	8/14/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-09 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:43:00 AM

Lab ID: 17080286-034B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/14/2017
Calcium	110000	590		mg/Kg-dry	100	8/14/2017
Chromium	6.9	0.98		mg/Kg-dry	10	8/14/2017
Cobalt	4.1	0.98		mg/Kg-dry	10	8/14/2017
Copper	15	2.5		mg/Kg-dry	10	8/14/2017
Iron	12000	29		mg/Kg-dry	10	8/14/2017
Lead	5.9	0.49		mg/Kg-dry	10	8/14/2017
Magnesium	59000	29		mg/Kg-dry	10	8/14/2017
Manganese	370	0.98		mg/Kg-dry	10	8/14/2017
Nickel	8.9	0.98		mg/Kg-dry	10	8/14/2017
Potassium	590	29		mg/Kg-dry	10	8/14/2017
Selenium	ND	0.98		mg/Kg-dry	10	8/14/2017
Silver	ND	0.98		mg/Kg-dry	10	8/14/2017
Sodium	450	59		mg/Kg-dry	10	8/14/2017
Thallium	ND	0.98		mg/Kg-dry	10	8/14/2017
Vanadium	13	0.98		mg/Kg-dry	10	8/14/2017
Zinc	29	4.9		mg/Kg-dry	10	8/14/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/17/2017
Barium	ND	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	0.0080	0.0040		mg/L	2	8/17/2017
Cobalt	ND	0.0040		mg/L	2	8/17/2017
Copper	ND	0.040		mg/L	2	8/17/2017
Iron	6.3	0.10		mg/L	2	8/17/2017
Lead	0.0028	0.0020		mg/L	2	8/17/2017
Manganese	0.036	0.0040		mg/L	2	8/17/2017
Nickel	0.0046	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	ND	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.17	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

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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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-09 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:43:00 AM

Lab ID: 17080286-034B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/17/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.041	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	2.7	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	5.4	0.010		mg/L	5	8/17/2017
Nickel	0.067	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/17/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.021		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C					Prep Date: 8/14/2017 Analyst: RW
pH	8.34			pH Units	1	8/14/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	13.4	0.2	*	wt%	1	8/11/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-10 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:16:00 AM

Lab ID: 17080286-035A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: JNM
Acetone	ND	0.074		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0049		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0099		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.074		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.049		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0099		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0049		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0099		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0099		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/16/2017

Qualifiers:

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-10 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:16:00 AM

Lab ID: 17080286-035B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/10/2017		Analyst: DM

Acenaphthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.41		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/15/2017

Qualifiers:

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-10 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:16:00 AM

Lab ID: 17080286-035B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: DM
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.82		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	9700	21		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/15/2017
Arsenic	9.6	1.1		mg/Kg-dry	10	8/15/2017
Barium	79	1.1		mg/Kg-dry	10	8/15/2017
Beryllium	0.68	0.54		mg/Kg-dry	10	8/15/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-10 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:16:00 AM

Lab ID: 17080286-035B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.54		mg/Kg-dry	10	8/15/2017
Calcium	42000	64		mg/Kg-dry	10	8/15/2017
Chromium	18	1.1		mg/Kg-dry	10	8/15/2017
Cobalt	11	1.1		mg/Kg-dry	10	8/15/2017
Copper	24	2.7		mg/Kg-dry	10	8/15/2017
Iron	22000	32		mg/Kg-dry	10	8/15/2017
Lead	14	0.54		mg/Kg-dry	10	8/15/2017
Magnesium	27000	32		mg/Kg-dry	10	8/15/2017
Manganese	620	1.1		mg/Kg-dry	10	8/15/2017
Nickel	27	1.1		mg/Kg-dry	10	8/15/2017
Potassium	1300	32		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/15/2017
Silver	ND	1.1		mg/Kg-dry	10	8/15/2017
Sodium	980	64		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/15/2017
Vanadium	28	1.1		mg/Kg-dry	10	8/15/2017
Zinc	61	5.4		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0050	0.0040		mg/L	2	8/17/2017
Barium	0.034	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	0.011	0.0040		mg/L	2	8/17/2017
Cobalt	ND	0.0040		mg/L	2	8/17/2017
Copper	ND	0.040		mg/L	2	8/17/2017
Iron	10	0.10		mg/L	2	8/17/2017
Lead	0.0047	0.0020		mg/L	2	8/17/2017
Manganese	0.074	0.0040		mg/L	2	8/17/2017
Nickel	0.0092	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	0.046	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	1.0	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-10 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:16:00 AM

Lab ID: 17080286-035B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/17/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	1.6	0.010		mg/L	5	8/17/2017
Nickel	0.017	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/17/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	0.027	0.024		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C					Prep Date: 8/14/2017 Analyst: RW
pH	8.29			pH Units	1	8/14/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	18.1	0.2	*	wt%	1	8/11/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-10 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:19:00 AM

Lab ID: 17080286-036A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: JNM
Acetone	ND	0.074		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0049		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0098		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.074		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.049		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0098		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0049		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0098		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0098		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/16/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-10 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:19:00 AM

Lab ID: 17080286-036B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)	Prep Date: 8/10/2017	Analyst: DM

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017

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

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-10 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:19:00 AM

Lab ID: 17080286-036B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/10/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.78		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/10/2017 Analyst: JG

Aluminum	2800	21		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/15/2017
Arsenic	4.9	1.0		mg/Kg-dry	10	8/15/2017
Barium	21	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.51		mg/Kg-dry	10	8/15/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-10 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:19:00 AM

Lab ID: 17080286-036B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/15/2017
Calcium	120000	620		mg/Kg-dry	100	8/14/2017
Chromium	7.7	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	4.7	1.0		mg/Kg-dry	10	8/15/2017
Copper	13	2.6		mg/Kg-dry	10	8/15/2017
Iron	13000	31		mg/Kg-dry	10	8/15/2017
Lead	6.4	0.51		mg/Kg-dry	10	8/15/2017
Magnesium	67000	31		mg/Kg-dry	10	8/15/2017
Manganese	320	1.0		mg/Kg-dry	10	8/15/2017
Nickel	11	1.0		mg/Kg-dry	10	8/15/2017
Potassium	660	31		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	440	62		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	11	1.0		mg/Kg-dry	10	8/15/2017
Zinc	29	5.1		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.011	0.0040		mg/L	2	8/17/2017
Barium	0.061	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	0.019	0.0040		mg/L	2	8/17/2017
Cobalt	0.0067	0.0040		mg/L	2	8/17/2017
Copper	ND	0.040		mg/L	2	8/17/2017
Iron	30	5.0		mg/L	100	8/18/2017
Lead	0.0094	0.0020		mg/L	2	8/17/2017
Manganese	0.14	0.0040		mg/L	2	8/17/2017
Nickel	0.021	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	0.088	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.51	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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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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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-10 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:19:00 AM

Lab ID: 17080286-036B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/17/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	1.0	0.010		mg/L	5	8/17/2017
Nickel	0.015	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.021		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C		Prep Date: 8/14/2017		Analyst: RW	
pH	8.75			pH Units	1	8/14/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	13.6	0.2	*	wt%	1	8/11/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-10 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:29:00 AM

Lab ID: 17080286-037A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: ERP
Acetone	ND	0.060		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0040		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0040		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0080		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.060		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.040		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0040		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0040		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0080		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0040		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0080		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0040		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0040		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0040		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0040		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.016		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.016		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0080		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0040		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0040		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0040		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0040		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.012		mg/Kg-dry	1	8/16/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-10 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:29:00 AM

Lab ID: 17080286-037B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: TMB
Acenaphthene	ND	0.036		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.036		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.036		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.036		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.36		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.92		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.92		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.036		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.92		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/14/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-10 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:29:00 AM

Lab ID: 17080286-037B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: TMB
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.036		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.036		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.036		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.036		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.074		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.036		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.036		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.74		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	2500	19		mg/Kg-dry	10	8/15/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/15/2017
Arsenic	4.1	0.97		mg/Kg-dry	10	8/15/2017
Barium	17	0.97		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.48		mg/Kg-dry	10	8/15/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-10 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:29:00 AM

Lab ID: 17080286-037B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/15/2017
Calcium	130000	580		mg/Kg-dry	100	8/14/2017
Chromium	8.1	0.97		mg/Kg-dry	10	8/15/2017
Cobalt	3.9	0.97		mg/Kg-dry	10	8/15/2017
Copper	8.4	2.4		mg/Kg-dry	10	8/15/2017
Iron	10000	29		mg/Kg-dry	10	8/15/2017
Lead	4.4	0.48		mg/Kg-dry	10	8/15/2017
Magnesium	67000	29		mg/Kg-dry	10	8/15/2017
Manganese	240	0.97		mg/Kg-dry	10	8/15/2017
Nickel	8.2	0.97		mg/Kg-dry	10	8/15/2017
Potassium	720	29		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.97		mg/Kg-dry	10	8/15/2017
Silver	ND	0.97		mg/Kg-dry	10	8/15/2017
Sodium	470	58		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.97		mg/Kg-dry	10	8/15/2017
Vanadium	12	0.97		mg/Kg-dry	10	8/15/2017
Zinc	22	4.8		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.012	0.0040		mg/L	2	8/17/2017
Barium	0.068	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	0.023	0.0040		mg/L	2	8/17/2017
Cobalt	0.0098	0.0040		mg/L	2	8/17/2017
Copper	0.040	0.040		mg/L	2	8/17/2017
Iron	41	1.0		mg/L	20	8/17/2017
Lead	0.012	0.0020		mg/L	2	8/17/2017
Manganese	0.17	0.0040		mg/L	2	8/17/2017
Nickel	0.025	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	0.095	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.37	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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H - Holding time exceeded

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-10 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:29:00 AM

Lab ID: 17080286-037B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/17/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	1.7	0.010		mg/L	5	8/17/2017
Nickel	0.022	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	ND	0.018		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C		Prep Date: 8/15/2017		Analyst: PBG	
pH	8.83			pH Units	1	8/15/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	10.7	0.2	*	wt%	1	8/11/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-11 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:10:00 AM

Lab ID: 17080286-038A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: ERP
Acetone	ND	0.081		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0054		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0054		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0054		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.081		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.054		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0054		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0054		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0054		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0054		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0054		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0054		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0054		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0054		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0054		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0054		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0054		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0054		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0054		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0054		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0054		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0054		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0054		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0054		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/16/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-11 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:10:00 AM

Lab ID: 17080286-038B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/10/2017		Analyst: TMB
Acenaphthene	ND	0.042		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.042		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.43		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.042		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.042		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.42		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.042		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.042		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.042		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.042		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	1.1		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.22		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.042		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.042		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.22		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.42		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	8/14/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-11 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:10:00 AM

Lab ID: 17080286-038B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/10/2017 Analyst: TMB
Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.042		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.042		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.22		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.042		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.22		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.22		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.22		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.042		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.42		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.042		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.042		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.086		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.042		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.22		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.042		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.86		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	11000	22		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/15/2017
Arsenic	9.3	1.1		mg/Kg-dry	10	8/15/2017
Barium	100	1.1		mg/Kg-dry	10	8/15/2017
Beryllium	0.70	0.54		mg/Kg-dry	10	8/15/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-11 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:10:00 AM

Lab ID: 17080286-038B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.54		mg/Kg-dry	10	8/15/2017
Calcium	51000	65		mg/Kg-dry	10	8/15/2017
Chromium	19	1.1		mg/Kg-dry	10	8/15/2017
Cobalt	10	1.1		mg/Kg-dry	10	8/15/2017
Copper	23	2.7		mg/Kg-dry	10	8/15/2017
Iron	23000	32		mg/Kg-dry	10	8/15/2017
Lead	23	0.54		mg/Kg-dry	10	8/15/2017
Magnesium	30000	32		mg/Kg-dry	10	8/15/2017
Manganese	650	1.1		mg/Kg-dry	10	8/15/2017
Nickel	26	1.1		mg/Kg-dry	10	8/15/2017
Potassium	1400	32		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/15/2017
Silver	ND	1.1		mg/Kg-dry	10	8/15/2017
Sodium	210	65		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/15/2017
Vanadium	29	1.1		mg/Kg-dry	10	8/15/2017
Zinc	66	5.4		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/17/2017
Barium	0.022	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	0.0072	0.0040		mg/L	2	8/17/2017
Cobalt	ND	0.0040		mg/L	2	8/17/2017
Copper	ND	0.040		mg/L	2	8/17/2017
Iron	5.5	0.10		mg/L	2	8/17/2017
Lead	0.0022	0.0020		mg/L	2	8/17/2017
Manganese	0.030	0.0040		mg/L	2	8/17/2017
Nickel	0.0048	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	ND	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.83	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

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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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-11 (0-6)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:10:00 AM

Lab ID: 17080286-038B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/17/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	0.19	0.010		mg/L	5	8/17/2017
Nickel	ND	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/17/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	0.027	0.024		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C					Prep Date: 8/15/2017 Analyst: PBG
pH	8.28			pH Units	1	8/15/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	22.6	0.2	*	wt%	1	8/11/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-11 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:03:00 AM

Lab ID: 17080286-039A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: JNM
Acetone	ND	0.081		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0054		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0054		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.081		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.054		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0054		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0054		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0054		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0054		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0054		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0054		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.022		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0054		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0054		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0054		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0054		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0054		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-11 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:03:00 AM

Lab ID: 17080286-039B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)			Prep Date: 8/11/2017	Analyst: TMB
Acenaphthene	ND	0.040		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.41		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/14/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-11 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:03:00 AM

Lab ID: 17080286-039B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/11/2017 Analyst: TMB
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.82		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	9700	21		mg/Kg-dry	10	8/14/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/14/2017
Arsenic	6.3	1.0		mg/Kg-dry	10	8/14/2017
Barium	86	1.0		mg/Kg-dry	10	8/14/2017
Beryllium	0.63	0.52		mg/Kg-dry	10	8/14/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-11 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:03:00 AM

Lab ID: 17080286-039B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/14/2017
Calcium	66000	62		mg/Kg-dry	10	8/14/2017
Chromium	18	1.0		mg/Kg-dry	10	8/14/2017
Cobalt	12	1.0		mg/Kg-dry	10	8/14/2017
Copper	20	2.6		mg/Kg-dry	10	8/14/2017
Iron	19000	31		mg/Kg-dry	10	8/14/2017
Lead	14	0.52		mg/Kg-dry	10	8/14/2017
Magnesium	31000	31		mg/Kg-dry	10	8/14/2017
Manganese	340	1.0		mg/Kg-dry	10	8/14/2017
Nickel	20	1.0		mg/Kg-dry	10	8/14/2017
Potassium	1700	41		mg/Kg-dry	10	8/14/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/14/2017
Silver	ND	1.0		mg/Kg-dry	10	8/14/2017
Sodium	1400	62		mg/Kg-dry	10	8/14/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/14/2017
Vanadium	25	1.0		mg/Kg-dry	10	8/14/2017
Zinc	58	5.2		mg/Kg-dry	10	8/14/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0074	0.0040		mg/L	2	8/17/2017
Barium	0.042	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	0.013	0.0040		mg/L	2	8/17/2017
Cobalt	ND	0.0040		mg/L	2	8/17/2017
Copper	ND	0.040		mg/L	2	8/17/2017
Iron	12	0.10		mg/L	2	8/17/2017
Lead	0.0061	0.0020		mg/L	2	8/17/2017
Manganese	0.053	0.0040		mg/L	2	8/17/2017
Nickel	0.0085	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	0.048	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.81	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-11 (6-12)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:03:00 AM

Lab ID: 17080286-039B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/17/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	1.1	0.010		mg/L	5	8/17/2017
Nickel	0.016	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/17/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.024		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C					Prep Date: 8/15/2017 Analyst: PBG
pH	8.39			pH Units	1	8/15/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	18.5	0.2	*	wt%	1	8/11/2017

Qualifiers:

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-11 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:06:00 AM

Lab ID: 17080286-040A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: JNM
Acetone	ND	0.076		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0050		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.076		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.050		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0050		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0050		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-11 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:06:00 AM

Lab ID: 17080286-040B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/11/2017		Analyst: TMB
Acenaphthene	ND	0.041		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.041		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.41		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.041		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.41		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.041		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/14/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-11 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 11:06:00 AM

Lab ID: 17080286-040B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/11/2017 Analyst: TMB
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.041		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.041		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.041		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.041		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.041		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.041		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.82		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	7900	21		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/15/2017
Arsenic	8.4	1.0		mg/Kg-dry	10	8/15/2017
Barium	79	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.57	0.52		mg/Kg-dry	10	8/15/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-11 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:06:00 AM

Lab ID: 17080286-040B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/15/2017
Calcium	59000	63		mg/Kg-dry	10	8/15/2017
Chromium	17	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	11	1.0		mg/Kg-dry	10	8/15/2017
Copper	24	2.6		mg/Kg-dry	10	8/15/2017
Iron	21000	31		mg/Kg-dry	10	8/15/2017
Lead	14	0.52		mg/Kg-dry	10	8/15/2017
Magnesium	31000	31		mg/Kg-dry	10	8/15/2017
Manganese	710	1.0		mg/Kg-dry	10	8/15/2017
Nickel	27	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1600	31		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	790	63		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	24	1.0		mg/Kg-dry	10	8/15/2017
Zinc	63	5.2		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/17/2017
Barium	0.043	0.020		mg/L	2	8/17/2017
Beryllium	ND	0.0020		mg/L	2	8/17/2017
Cadmium	ND	0.0020		mg/L	2	8/17/2017
Chromium	ND	0.0040		mg/L	2	8/17/2017
Cobalt	ND	0.0040		mg/L	2	8/17/2017
Copper	ND	0.040		mg/L	2	8/17/2017
Iron	0.95	0.10		mg/L	2	8/17/2017
Lead	ND	0.0020		mg/L	2	8/17/2017
Manganese	0.042	0.0040		mg/L	2	8/17/2017
Nickel	ND	0.0040		mg/L	2	8/17/2017
Selenium	ND	0.0040		mg/L	2	8/17/2017
Silver	ND	0.0040		mg/L	2	8/17/2017
Zinc	ND	0.040		mg/L	2	8/17/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.98	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

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R - RPD outside accepted recovery limits

E - Value above quantitation range

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-11 (12-18)

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 11:06:00 AM

Lab ID: 17080286-040B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/17/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.082	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	1.2	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	4.8	0.010		mg/L	5	8/17/2017
Nickel	0.21	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	0.20	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/17/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.020		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C					Prep Date: 8/15/2017 Analyst: PBG
pH	7.76			pH Units	1	8/15/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	19.5	0.2	*	wt%	1	8/11/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-03

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:00:00 PM

Lab ID: 17080286-041A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: JNM
Acetone	ND	0.072		mg/Kg-dry	1	8/15/2017
Benzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromoform	ND	0.0048		mg/Kg-dry	1	8/15/2017
Bromomethane	ND	0.0096		mg/Kg-dry	1	8/15/2017
2-Butanone	ND	0.072		mg/Kg-dry	1	8/15/2017
Carbon disulfide	ND	0.048		mg/Kg-dry	1	8/15/2017
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chloroethane	ND	0.0096		mg/Kg-dry	1	8/15/2017
Chloroform	ND	0.0048		mg/Kg-dry	1	8/15/2017
Chloromethane	ND	0.0096		mg/Kg-dry	1	8/15/2017
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/15/2017
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	8/15/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/15/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/15/2017
Methylene chloride	ND	0.0096		mg/Kg-dry	1	8/15/2017
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	8/15/2017
Styrene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Toluene	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/15/2017
Trichloroethene	ND	0.0048		mg/Kg-dry	1	8/15/2017
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	8/15/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/15/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-03

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:00:00 PM

Lab ID: 17080286-041B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/11/2017		Analyst: TMB
Acenaphthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/14/2017

Qualifiers:

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-03

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:00:00 PM

Lab ID: 17080286-041B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/11/2017	Analyst: TMB
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/10/2017	Analyst: JG
Aluminum	11000	21		mg/Kg-dry	10	8/14/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/14/2017
Arsenic	5.2	1.0		mg/Kg-dry	10	8/14/2017
Barium	82	1.0		mg/Kg-dry	10	8/14/2017
Beryllium	0.73	0.52		mg/Kg-dry	10	8/14/2017

Qualifiers:

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H - Holding time exceeded

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-03

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:00:00 PM

Lab ID: 17080286-041B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/14/2017
Calcium	83000	63		mg/Kg-dry	10	8/14/2017
Chromium	21	1.0		mg/Kg-dry	10	8/14/2017
Cobalt	12	1.0		mg/Kg-dry	10	8/14/2017
Copper	29	2.6		mg/Kg-dry	10	8/14/2017
Iron	25000	31		mg/Kg-dry	10	8/14/2017
Lead	17	0.52		mg/Kg-dry	10	8/14/2017
Magnesium	46000	31		mg/Kg-dry	10	8/14/2017
Manganese	660	1.0		mg/Kg-dry	10	8/14/2017
Nickel	32	1.0		mg/Kg-dry	10	8/14/2017
Potassium	2300	31		mg/Kg-dry	10	8/14/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/14/2017
Silver	ND	1.0		mg/Kg-dry	10	8/14/2017
Sodium	860	63		mg/Kg-dry	10	8/14/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/14/2017
Vanadium	30	1.0		mg/Kg-dry	10	8/14/2017
Zinc	81	5.2		mg/Kg-dry	10	8/14/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	0.037	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	ND	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	0.21	0.10		mg/L	2	8/16/2017
Lead	ND	0.0020		mg/L	2	8/16/2017
Manganese	0.11	0.0040		mg/L	2	8/16/2017
Nickel	ND	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	ND	0.040		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/17/2017
Barium	0.63	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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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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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-03

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 12:00:00 PM

Lab ID: 17080286-041B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/17/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	0.099	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	110	5.0		mg/L	100	8/18/2017
Lead	0.024	0.0050		mg/L	5	8/17/2017
Manganese	8.1	0.010		mg/L	5	8/17/2017
Nickel	0.20	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/17/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	0.77	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/17/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.023		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C					Prep Date: 8/15/2017 Analyst: PBG
pH	7.62			pH Units	1	8/15/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	13.3	0.2	*	wt%	1	8/11/2017

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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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-04

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:30:00 AM

Lab ID: 17080286-042A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/9/2017		Analyst: JNM
Acetone	ND	0.073		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0049		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0097		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.073		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.049		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0097		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0049		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0097		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0097		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/16/2017

Qualifiers:

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-04

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:30:00 AM

Lab ID: 17080286-042B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/11/2017		Analyst: TMB
Acenaphthene	ND	0.040		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/14/2017

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-04

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:30:00 AM

Lab ID: 17080286-042B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/11/2017 Analyst: TMB
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.81		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/10/2017 Analyst: JG
Aluminum	13000	22		mg/Kg-dry	10	8/14/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/14/2017
Arsenic	14	1.1		mg/Kg-dry	10	8/14/2017
Barium	130	1.1		mg/Kg-dry	10	8/14/2017
Beryllium	0.90	0.55		mg/Kg-dry	10	8/14/2017

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E - Value above quantitation range

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-04

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:30:00 AM

Lab ID: 17080286-042B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.55		mg/Kg-dry	10	8/14/2017
Calcium	94000	66		mg/Kg-dry	10	8/14/2017
Chromium	23	1.1		mg/Kg-dry	10	8/14/2017
Cobalt	13	1.1		mg/Kg-dry	10	8/14/2017
Copper	28	2.7		mg/Kg-dry	10	8/14/2017
Iron	30000	33		mg/Kg-dry	10	8/14/2017
Lead	33	0.55		mg/Kg-dry	10	8/14/2017
Magnesium	51000	33		mg/Kg-dry	10	8/14/2017
Manganese	860	1.1		mg/Kg-dry	10	8/14/2017
Nickel	32	1.1		mg/Kg-dry	10	8/14/2017
Potassium	1500	33		mg/Kg-dry	10	8/14/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/14/2017
Silver	ND	1.1		mg/Kg-dry	10	8/14/2017
Sodium	1500	66		mg/Kg-dry	10	8/14/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/14/2017
Vanadium	39	1.1		mg/Kg-dry	10	8/14/2017
Zinc	73	5.5		mg/Kg-dry	10	8/14/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0074	0.0040		mg/L	2	8/16/2017
Barium	0.048	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.016	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	16	0.10		mg/L	2	8/16/2017
Lead	0.0081	0.0020		mg/L	2	8/16/2017
Manganese	0.13	0.0040		mg/L	2	8/16/2017
Nickel	0.013	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	0.062	0.040		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.74	0.050		mg/L	5	8/17/2017
Beryllium	ND	0.0050		mg/L	5	8/17/2017
Cadmium	ND	0.0050		mg/L	5	8/17/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-04

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 9:30:00 AM

Lab ID: 17080286-042B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/17/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/17/2017
Cobalt	ND	0.010		mg/L	5	8/17/2017
Copper	ND	0.10		mg/L	5	8/17/2017
Iron	ND	0.25		mg/L	5	8/17/2017
Lead	ND	0.0050		mg/L	5	8/17/2017
Manganese	0.21	0.010		mg/L	5	8/17/2017
Nickel	ND	0.010		mg/L	5	8/17/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/17/2017
Zinc	ND	0.050		mg/L	5	8/17/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/11/2017		Analyst: LB	
Mercury	0.024	0.021		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C		Prep Date: 8/15/2017		Analyst: PBG	
pH	8.36			pH Units	1	8/15/2017
Percent Moisture	D2974		Prep Date: 8/10/2017		Analyst: KKA	
Percent Moisture	17.7	0.2	*	wt%	1	8/11/2017

Qualifiers:

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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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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-05

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:30:00 AM

Lab ID: 17080286-043A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/9/2017	Analyst: JNM
Acetone	ND	0.082		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0054		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0054		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0054		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.082		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.054		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0054		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0054		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0054		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0054		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0054		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0054		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0054		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0054		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0054		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.022		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0054		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0054		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0054		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0054		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0054		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0054		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0054		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0054		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0054		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/16/2017

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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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-05

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:30:00 AM

Lab ID: 17080286-043B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/11/2017		Analyst: TMB
Acenaphthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/14/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/14/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/14/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Benzoic acid	ND	0.93		mg/Kg-dry	1	8/14/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Bis(2-ethylhexyl)phthalate	ND	0.93		mg/Kg-dry	1	8/14/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/14/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/14/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/14/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/14/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/14/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/14/2017
2,4-Dinitrophenol	ND	0.93		mg/Kg-dry	1	8/14/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/14/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/14/2017

Qualifiers:

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

Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-05

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:30:00 AM

Lab ID: 17080286-043B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)		Prep Date: 8/11/2017		Analyst: TMB	
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/14/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/14/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/14/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/14/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/14/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/14/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/14/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/14/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/14/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/14/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/14/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/14/2017
Pentachlorophenol	ND	0.075		mg/Kg-dry	1	8/14/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/14/2017
Pyridine	ND	0.75		mg/Kg-dry	1	8/14/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/14/2017
Metals by ICP/MS						
	SW6020 (SW3050B)		Prep Date: 8/10/2017		Analyst: JG	
Aluminum	9100	19		mg/Kg-dry	10	8/14/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/14/2017
Arsenic	6.5	0.96		mg/Kg-dry	10	8/14/2017
Barium	46	0.96		mg/Kg-dry	10	8/14/2017
Beryllium	0.53	0.48		mg/Kg-dry	10	8/14/2017

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-05

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/7/2017 10:30:00 AM

Lab ID: 17080286-043B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/10/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/14/2017
Calcium	130000	580		mg/Kg-dry	100	8/14/2017
Chromium	17	0.96		mg/Kg-dry	10	8/14/2017
Cobalt	9.4	0.96		mg/Kg-dry	10	8/14/2017
Copper	18	2.4		mg/Kg-dry	10	8/14/2017
Iron	20000	29		mg/Kg-dry	10	8/14/2017
Lead	11	0.48		mg/Kg-dry	10	8/14/2017
Magnesium	76000	29		mg/Kg-dry	10	8/14/2017
Manganese	540	0.96		mg/Kg-dry	10	8/14/2017
Nickel	21	0.96		mg/Kg-dry	10	8/14/2017
Potassium	1600	29		mg/Kg-dry	10	8/14/2017
Selenium	ND	0.96		mg/Kg-dry	10	8/14/2017
Silver	ND	0.96		mg/Kg-dry	10	8/14/2017
Sodium	890	58		mg/Kg-dry	10	8/14/2017
Thallium	ND	0.96		mg/Kg-dry	10	8/14/2017
Vanadium	23	0.96		mg/Kg-dry	10	8/14/2017
Zinc	47	4.8		mg/Kg-dry	10	8/14/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/16/2017
Barium	0.021	0.020		mg/L	2	8/16/2017
Beryllium	ND	0.0020		mg/L	2	8/16/2017
Cadmium	ND	0.0020		mg/L	2	8/16/2017
Chromium	0.0081	0.0040		mg/L	2	8/16/2017
Cobalt	ND	0.0040		mg/L	2	8/16/2017
Copper	ND	0.040		mg/L	2	8/16/2017
Iron	5.2	0.10		mg/L	2	8/16/2017
Lead	ND	0.0020		mg/L	2	8/16/2017
Manganese	0.035	0.0040		mg/L	2	8/16/2017
Nickel	0.0055	0.0040		mg/L	2	8/16/2017
Selenium	ND	0.0040		mg/L	2	8/16/2017
Silver	ND	0.0040		mg/L	2	8/16/2017
Zinc	ND	0.040		mg/L	2	8/16/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.31	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-05

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/7/2017 10:30:00 AM

Lab ID: 17080286-043B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/17/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.015	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	2.8	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	4.1	0.010		mg/L	5	8/18/2017
Nickel	0.049	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/17/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/17/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/11/2017 Analyst: LB
Mercury	ND	0.020		mg/Kg-dry	1	8/14/2017
pH (25 °C)	SW9045C					Prep Date: 8/15/2017 Analyst: PBG
pH	8.20			pH Units	1	8/15/2017
Percent Moisture	D2974					Prep Date: 8/10/2017 Analyst: KKA
Percent Moisture	10.7	0.2	*	wt%	1	8/11/2017

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Report Date: August 18, 2017

Print Date: August 18, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: Trip Blank

Work Order: 17080286 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date:

Lab ID: 17080286-044A

Matrix: Trip Blank

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW8260B (SW5030B)		Prep Date:		Analyst: ERP
Acetone	ND	0.020		mg/L	1	8/12/2017
Benzene	ND	0.0050		mg/L	1	8/12/2017
Bromodichloromethane	ND	0.0050		mg/L	1	8/12/2017
Bromoform	ND	0.0050		mg/L	1	8/12/2017
Bromomethane	ND	0.010		mg/L	1	8/12/2017
2-Butanone	ND	0.020		mg/L	1	8/12/2017
Carbon disulfide	ND	0.010		mg/L	1	8/12/2017
Carbon tetrachloride	ND	0.0050		mg/L	1	8/12/2017
Chlorobenzene	ND	0.0050		mg/L	1	8/12/2017
Chloroethane	ND	0.010		mg/L	1	8/12/2017
Chloroform	ND	0.0050		mg/L	1	8/12/2017
Chloromethane	ND	0.010		mg/L	1	8/12/2017
Dibromochloromethane	ND	0.0050		mg/L	1	8/12/2017
1,1-Dichloroethane	ND	0.0050		mg/L	1	8/12/2017
1,2-Dichloroethane	ND	0.0050		mg/L	1	8/12/2017
1,1-Dichloroethene	ND	0.0050		mg/L	1	8/12/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/L	1	8/12/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/L	1	8/12/2017
1,2-Dichloropropane	ND	0.0050		mg/L	1	8/12/2017
cis-1,3-Dichloropropene	ND	0.0010		mg/L	1	8/12/2017
trans-1,3-Dichloropropene	ND	0.0010		mg/L	1	8/12/2017
Ethylbenzene	ND	0.0050		mg/L	1	8/12/2017
2-Hexanone	ND	0.020		mg/L	1	8/12/2017
4-Methyl-2-pentanone	ND	0.020		mg/L	1	8/12/2017
Methylene chloride	ND	0.0050		mg/L	1	8/12/2017
Methyl tert-butyl ether	ND	0.0050		mg/L	1	8/12/2017
Styrene	ND	0.0050		mg/L	1	8/12/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/L	1	8/12/2017
Tetrachloroethene	ND	0.0050		mg/L	1	8/12/2017
Toluene	ND	0.0050		mg/L	1	8/12/2017
1,1,1-Trichloroethane	ND	0.0050		mg/L	1	8/12/2017
1,1,2-Trichloroethane	ND	0.0050		mg/L	1	8/12/2017
Trichloroethene	ND	0.0050		mg/L	1	8/12/2017
Vinyl chloride	ND	0.0020		mg/L	1	8/12/2017
Xylenes, Total	ND	0.015		mg/L	1	8/12/2017

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CHAIN OF CUSTODY RECORD

N^o: 906509

Page: 1 of 3

Company: <u>Hull and Hull Inc</u>		Client Tracking No.: _____	
Project Number: <u>81022050904</u>		Project Name: <u>2531V-14-01 (0-5)</u>	
Project Location: <u>Bethlehem IL</u>		Project Name: <u>2531V-14-01 (0-5)</u>	
Sampler(s): <u>Armando Hernandez</u>		Project Name: <u>2531V-14-01 (0-5)</u>	
Report To: <u>Jill Connolly</u>		Project Name: <u>2531V-14-01 (0-5)</u>	
Phone: <u>630-684-4420</u>		Project Name: <u>2531V-14-01 (0-5)</u>	
Fax: _____		Project Name: <u>2531V-14-01 (0-5)</u>	
e-mail: <u>jill.connolly@gs.com</u>		Project Name: <u>2531V-14-01 (0-5)</u>	
QC Level: 1 2 3 4	Date Taken	Time Taken	Matrix
Client Sample Number/Description:	Date Taken	Time Taken	Matrix
2531V-14-01 (0-5)	8/7/17	0935	S
2531V-14-01 (5-9)		0938	
2531V-14-02 (0-6)		0950	
2531V-14-02 (6-12)		0953	
2531V-14-02 (12-18)		0956	
2531V-14-03 (0-6)		1005	
2531V-14-03 (6-12)		1029	
2531V-14-03 (12-18)		1013	
2531V-15-01 (0-6)		1029	
2531V-15-01 (6-12)		1023	
2531V-15-01 (12-18)		1026	
2531V-15-02 (0-6)		1037	
2531V-15-02 (6-12)		1038	
2531V-15-02 (12-18)		1042	
2531V-18-07 (0-6)		0910	
2531V-18-07 (6-12)		0915	
2531V-18-07 (12-18)		0918	
2531V-18-07 (0-6)		1325	
2531V-18-07 (6-12)		1327	
2531V-18-07 (12-18)		1213	

Relinquished by: (Signature) _____	Date/Time: _____
Received by: (Signature) _____	Date/Time: <u>8-8-17 10:11</u>
Relinquished by: (Signature) _____	Date/Time: <u>8/8/17 13:30</u>
Received by: (Signature) _____	Date/Time: <u>8/8/17 13:30</u>
Relinquished by: (Signature) _____	Date/Time: _____
Received by: (Signature) _____	Date/Time: _____

Comments: <u>All corrections made by</u>
Preservation Code: A = None B = HNO ₃ C = NaOH
D = H ₂ SO ₄ E = HCl F = 5035/EnCore G = Other

Quote No.: _____
P.O. No.: _____
Turn Around Time (Days): 1 2 3 4 <u>5-7</u> 10
Results Needed: / / / am/pm
Additional Information: Lab No.: <u>001</u>
Lab No.: <u>002</u>
Lab No.: <u>003</u>
Lab No.: <u>004</u>
Lab No.: <u>005</u>
Lab No.: <u>006</u>
Lab No.: <u>007</u>
Lab No.: <u>008</u>
Lab No.: <u>009</u>
Lab No.: <u>010</u>
Lab No.: <u>011</u>
Lab No.: <u>012</u>
Lab No.: <u>013</u>
Lab No.: <u>014</u>
Lab No.: <u>015</u>
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Lab No.: <u>017</u>
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Quote No.: _____
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Results Needed: / / / am/pm
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Lab No.: <u>006</u>
Lab No.: <u>007</u>
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Lab No.: <u>016</u>
Lab No.: <u>017</u>
Lab No.: <u>018</u>
Lab No.: <u>019</u>
Lab No.: <u>020</u>

Quote No.: _____
P.O. No.: _____
Turn Around Time (Days): 1 2 3 4 <u>5-7</u> 10
Results Needed: / / / am/pm
Additional Information: Lab No.: <u>001</u>
Lab No.: <u>002</u>
Lab No.: <u>003</u>
Lab No.: <u>004</u>
Lab No.: <u>005</u>
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Lab No.: <u>020</u>

Quote No.: _____
P.O. No.: _____
Turn Around Time (Days): 1 2 3 4 <u>5-7</u> 10
Results Needed: / / / am/pm
Additional Information: Lab No.: <u>001</u>
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Lab No.: <u>003</u>
Lab No.: <u>004</u>
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Lab No.: <u>020</u>

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Additional Information: Lab No.: <u>001</u>
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P.O. No.: _____
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Results Needed: / / / am/pm
Additional Information: Lab No.: <u>001</u>
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Quote No.: _____
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Turn Around Time (Days): 1 2 3 4 <u>5-7</u> 10
Results Needed: / / / am/pm
Additional Information: Lab No.: <u>001</u>
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Results Needed: / / / am/pm
Additional Information: Lab No.: <u>001</u>
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Results Needed: / / / am/pm
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Lab No.: <u>018</u>
Lab No.: <u>019</u>
Lab No.: <u>020</u>

Quote No.: _____
P.O. No.: _____
Turn Around Time (Days): 1 2 3 4 <u>5-7</u> 10

Company: Huff & Huff						Client Tracking No.: _____					
Project Number: 81-DEW-SUG-09											
Project Name: 2531V-DC-59 at US20											
Project Location: Bear-H.A., FL											
Sampler(s): Armando Hernandez Adan K:HL											
Report To: Dill Connolly						Phone: 684-684-4420					
						Fax: _____					
QC Level: 1 2 3 4						e-mail: jill.connolly@gsr.com					

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers
2531V-43-05 (S-9)	8/17/17	12:16	S	X			1
2531V-43-06 (O-5)							
2531V-43-06 (S-9)							
2531V-43-07 (O-5)							
2531V-43-07 (S-9)							
2531V-43-10 (O-1)							
2531V-43-11 (O-5)							
2531V-43-11 (S-9)							
2531V-50-08 (O-6)							
2531V-50-08 (O-12)							
2531V-50-08 (O-12)							
2531V-50-09 (O-6)							
2531V-50-09 (O-12)							
2531V-50-10 (O-6)							
2531V-50-10 (O-12)							
2531V-50-11 (O-6)							
2531V-50-11 (O-12)							
2531V-50-11 (O-12)							

Relinquished by: (Signature) _____	Date/Time: _____
Received by: (Signature) _____	Date/Time: 8-17-10 AM
Relinquished by: (Signature) _____	Date/Time: 8/17/17 12:30
Received by: (Signature) _____	Date/Time: 8/17/17 17:30
Relinquished by: (Signature) _____	Date/Time: _____
Received by: (Signature) _____	Date/Time: _____

Comments: All containers met by Amit on 8/17/17

Laboratory Work Order No.: 17086786
Received on Ice: Yes ☒ No ☐
Temperature: 4.8 °C

[illegible]

Sample Receipt Checklist

Client Name HUFF & HUFF

Date and Time Received: 8/8/2017 5:30:00 PM

Work Order Number 17080286

Received by: JNW

Checklist completed by:

[Signature] 8/8/17
Signature Date

Reviewed by:

[Signature] 8/9/17
Initials Date

Matrix:

Carrier name STAT Analysis

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels/containers?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container or Temp Blank temperature in compliance?	Yes ☒	No ☐	Temperature 4.8 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☐	No ☐	Checked by: _____
Water - Samples properly preserved?	Yes ☐	No ☐	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: _____

Client / Person
contacted: _____

Date contacted: _____

Contacted by: _____

Response: _____

STAT Analysis Corporation

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW5035/8260B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VBLK081517-2	119	96.9	101	100				
VLCS081517-2	120	98.3	104	102				
VLCSD081517-2	122	99.5	103	95.0				
17080286-016A	121	100	98.1	112				
17080286-018A	122	99.6	99.6	110				
17080286-019A	118	97.8	99.1	107				
17080286-020A	118	99.4	99.1	107				
17080286-021A	121	99.4	101	110				
VBLK081517A-2	112	96.7	102	100				
VLCS081517A-2	117	98.5	97.7	100				
VLCSD081517A-2	119	96.0	98.4	97.4				
17080286-017A	113	92.3	98.3	107				
VBLK081617-2	119	95.8	99.5	102				
VLCSD081617-2	117	96.9	96.9	101				
VLCS081617R-2	117	96.5	99.8	100				
17080286-037A	117	96.1	96.2	105				
17080286-038A	120	96.5	97.8	111				
VBLK081517AB-3	98.7	97.5	105	108				
VLCS081517B-3	100	100	110	105				
VLCSD081517B-3	99.2	98.0	109	102				
17080286-039A	102	95.6	122	116				
17080286-040A	94.3	98.2	119	127				
17080286-041A	97.4	94.2	121	133				
17080286-042A	97.8	100	127	125				
17080286-043A	95.2	97.6	122	121				
VBLK081517-7	95.2	102	99.0	106				
VLCS081517-7	96.4	103	103	104				

Acronym

Surrogate

QC Limits

BR4FBZ	=	4-Bromofluorobenzene	58-122
BZMED8	=	Toluene-d8	73-122
DBFM	=	Dibromofluoromethane	65-131
DCA12D4	=	1,2-Dichloroethane-d4	71-143

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW5035/8260B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VLCS081517A-7	101	102	107	98.9				
17080286-001A	98.2	99.6	107	124				
17080286-002A	83.1	95.9	106	123				
17080286-003A	97.4	101	112	118				
17080286-004A	97.3	102	112	114				
17080286-005A	93.9	103	114	124				
17080286-006A	99.3	99.7	109	117				
17080286-007A	101	104	120	117				
17080286-008A	95.9	101	109	123				
17080286-009A	98.5	103	110	123				
17080286-010A	99.6	101	112	117				
17080286-011A	98.1	104	112	131				
17080286-012A	98.8	104	112	126				
17080286-013A	96.7	104	115	129				
17080286-014A	94.6	103	114	131				
VBLK081517A-7	96.0	100	104	101				
VLCS081517A-7	96.0	102	106	108				
VLCS081517A-7	97.6	105	104	102				
17080286-015A	97.2	98.7	104	114				
17080286-022A	100	103	110	121				
17080286-023A	99.7	99.7	110	113				
17080286-024A	101	102	110	115				
17080286-025A	99.5	104	107	127				
17080286-026A	93.7	103	112	116				
17080286-027A	104	105	118	113				
17080286-028A	99.3	106	117	132				
17080286-029A	93.8	101	114	132				
17080286-030A	99.7	103	114	126				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	58-122
BZMED8	= Toluene-d8	73-122
DBFM	= Dibromofluoromethane	65-131
DCA12D4	= 1,2-Dichloroethane-d4	71-143

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW5035/8260B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
17080286-031A	96.2	103	122	124				
17080286-032A	96.5	103	112	129				
17080286-033A	96.3	103	118	106				
17080286-034A	97.7	104	113	131				
17080286-035A	102	105	108	131				
17080286-036A	104	104	118	124				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	58-122
BZMED8	= Toluene-d8	73-122
DBFM	= Dibromofluoromethane	65-131
DCA12D4	= 1,2-Dichloroethane-d4	71-143

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134946

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3741896	BFB081517-2	TUNE	BFB	R134946	1	08/15/2017 07:31
3741919	VSTD020	CCV	VOC_ENCORE+	R134946	1	08/15/2017 08:05
3741998	VLK081517-2	MBLK	VOC_ENCORE+	R134946	1	08/15/2017 08:42
3742000	VLCS081517-2	LCS	VOC_ENCORE+	R134946	1	08/15/2017 09:20
3742001	VLCS081517-2	LCSD	VOC_ENCORE+	R134946	1	08/15/2017 10:00
3742002	17080266-026A	SAMP	VOC_5035	102378	1	08/15/2017 10:40
3742003	17080266-027A	SAMP	VOC_5035	102378	1	08/15/2017 11:22
3742004	17080266-028A	SAMP	VOC_5035	102378	1	08/15/2017 12:03
3742176	17080266-042A	SAMP	VOC_5035	102378	1	08/15/2017 12:44
3742323	17080266-043A	SAMP	VOC_5035	102378	1	08/15/2017 13:25
3742326	17080266-053A	SAMP	VOC_5035	102378	1	08/15/2017 14:07
3742355	17080266-054A	SAMP	VOC_5035	102378	1	08/15/2017 14:50
3742526	17080266-025A	SAMP	VOC_5035	102533	1	08/15/2017 15:31
3742538	17080286-016A	SAMP	VOC_5035	102378	1	08/15/2017 16:09
3742635	17080286-017A	SAMP	VOC_5035	102378	1	08/15/2017 16:49
3742665	17080286-018A	SAMP	VOC_5035	102378	1	08/15/2017 17:27
3742752	17080286-019A	SAMP	VOC_5035	102378	1	08/15/2017 18:05
3742753	17080286-020A	SAMP	VOC_5035	102378	1	08/15/2017 18:43
3742757	17080286-021A	SAMP	VOC_5035	102378	1	08/15/2017 19:21

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
VBLK081517-2	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/15/2017	VOA-2_170815A				3741998	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.075									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone	0.00862		0.075									J
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide		ND	0.050									
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0020									
Dibromochloromethane		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134946

Sample ID: VLBK081517-2	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/15/2017	Run ID: VOA-2_170815A			SeqNo: 3741998		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Ethylbenzene	ND	0.0050
Methyl tert-butyl ether	ND	0.0050
Methylene chloride	ND	0.010
Styrene	ND	0.0050
Tetrachloroethene	ND	0.0050
Toluene	ND	0.0050
trans-1,2-Dichloroethene	ND	0.0050
trans-1,3-Dichloropropene	ND	0.0020
Trichloroethene	ND	0.0050
Vinyl chloride	ND	0.0050
Xylenes, Total	ND	0.015

Sample ID: VLCS081517-2	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/15/2017	Run ID: VOA-2_170815A			SeqNo: 3742000		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05716	0.0050	0.05	0	114	70	130	0	0
1,1,2,2-Tetrachloroethane	0.05541	0.0050	0.05	0	111	70	130	0	0
1,1,2-Trichloroethane	0.05301	0.0050	0.05	0	106	70	130	0	0
1,1-Dichloroethane	0.04616	0.0050	0.05	0	92.3	70	130	0	0
1,1-Dichloroethene	0.05072	0.0050	0.05	0	101	70	130	0	0
1,2-Dichloroethane	0.05649	0.0050	0.05	0	113	70	130	0	0
1,2-Dichloropropane	0.04389	0.0050	0.05	0	87.8	70	130	0	0
2-Butanone	0.08769	0.075	0.1	0	87.7	50	150	0	0
2-Hexanone	0.07803	0.020	0.1	0	78	50	150	0	0
4-Methyl-2-pentanone	0.0724	0.020	0.1	0	72.4	50	150	0	0
Acetone	0.08686	0.075	0.1	0.00862	78.2	50	150	0	0
Benzene	0.0478	0.0050	0.05	0	95.6	70	130	0	0
Bromodichloromethane	0.05347	0.0050	0.05	0	107	70	130	0	0
Bromoform	0.06379	0.0050	0.05	0	128	70	130	0	0
Bromomethane	0.03543	0.010	0.05	0	70.9	50	150	0	0
Carbon disulfide	0.09325	0.050	0.1	0	93.2	70	130	0	0
Carbon tetrachloride	0.0592	0.0050	0.05	0	118	70	130	0	0
Chlorobenzene	0.05688	0.0050	0.05	0	114	70	130	0	0
Chloroethane	0.04426	0.010	0.05	0	88.5	70	130	0	0
Chloroform	0.05042	0.0050	0.05	0	101	70	130	0	0
Chloromethane	0.03558	0.010	0.05	0	71.2	70	130	0	0
cis-1,2-Dichloroethene	0.05048	0.0050	0.05	0	101	70	130	0	0
cis-1,3-Dichloropropene	0.0486	0.0020	0.05	0	97.2	70	130	0	0
Dibromochloromethane	0.06301	0.0050	0.05	0	126	70	130	0	0
Ethylbenzene	0.05369	0.0050	0.05	0	107	70	130	0	0
Methyl tert-butyl ether	0.04946	0.0050	0.05	0	98.9	70	130	0	0
Methylene chloride	0.03775	0.010	0.05	0	75.5	70	130	0	0
Styrene	0.0573	0.0050	0.05	0	115	70	130	0	0
Tetrachloroethene	0.06251	0.0050	0.05	0	125	70	130	0	0
Toluene	0.05289	0.0050	0.05	0	106	70	130	0	0
trans-1,2-Dichloroethene	0.0522	0.0050	0.05	0	104	70	130	0	0
trans-1,3-Dichloropropene	0.05591	0.0020	0.05	0	112	70	130	0	0
Trichloroethene	0.05212	0.0050	0.05	0	104	70	130	0	0
Vinyl chloride	0.04246	0.0050	0.05	0	84.9	70	130	0	0

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134946

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLCS081517-2	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/15/2017	VOA-2_170815A			3742000		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Xylenes, Total	0.1747	0.015	0.15	0	116	70	130	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
VLCS081517-2	ZZZZZ	LCSD	mg/Kg	SW5035/8260B		8/15/2017			VOA-2_170815A		3742001	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05838	0.0050	0.05	0	117	70	130	0.05716	2.11	20	
1,1,2,2-Tetrachloroethane	0.05668	0.0050	0.05	0	113	70	130	0.05541	2.27	20	
1,1,2-Trichloroethane	0.05488	0.0050	0.05	0	110	70	130	0.05301	3.47	20	
1,1-Dichloroethane	0.04692	0.0050	0.05	0	93.8	70	130	0.04616	1.63	20	
1,1-Dichloroethene	0.05286	0.0050	0.05	0	106	70	130	0.05072	4.13	20	
1,2-Dichloroethane	0.05923	0.0050	0.05	0	118	70	130	0.05649	4.74	20	
1,2-Dichloropropane	0.04518	0.0050	0.05	0	90.4	70	130	0.04389	2.90	20	
2-Butanone	0.09292	0.075	0.1	0	92.9	50	150	0.08769	5.79	20	
2-Hexanone	0.07868	0.020	0.1	0	78.7	50	150	0.07803	0.830	20	
4-Methyl-2-pentanone	0.07705	0.020	0.1	0	77.1	50	150	0.0724	6.22	20	
Acetone	0.09077	0.075	0.1	0.00862	82.2	50	150	0.08686	4.40	20	
Benzene	0.04853	0.0050	0.05	0	97.1	70	130	0.0478	1.52	20	
Bromodichloromethane	0.05527	0.0050	0.05	0	111	70	130	0.05347	3.31	20	
Bromoform	0.06528	0.0050	0.05	0	131	70	130	0.06379	2.31	20	S
Bromomethane	0.03936	0.010	0.05	0	78.7	50	150	0.03543	10.5	20	
Carbon disulfide	0.09486	0.050	0.1	0	94.9	70	130	0.09325	1.71	20	
Carbon tetrachloride	0.06144	0.0050	0.05	0	123	70	130	0.0592	3.71	20	
Chlorobenzene	0.05938	0.0050	0.05	0	119	70	130	0.05688	4.30	20	
Chloroethane	0.0472	0.010	0.05	0	94.4	70	130	0.04426	6.43	20	
Chloroform	0.05306	0.0050	0.05	0	106	70	130	0.05042	5.10	20	
Chloromethane	0.04556	0.010	0.05	0	91.1	70	130	0.03558	24.6	20	R
cis-1,2-Dichloroethene	0.05124	0.0050	0.05	0	102	70	130	0.05048	1.49	20	
cis-1,3-Dichloropropene	0.04988	0.0020	0.05	0	99.8	70	130	0.0486	2.60	20	
Dibromochloromethane	0.064	0.0050	0.05	0	128	70	130	0.06301	1.56	20	
Ethylbenzene	0.0556	0.0050	0.05	0	111	70	130	0.05369	3.50	20	
Methyl tert-butyl ether	0.05276	0.0050	0.05	0	106	70	130	0.04946	6.46	20	
Methylene chloride	0.03639	0.010	0.05	0	72.8	70	130	0.03775	3.67	20	
Styrene	0.05989	0.0050	0.05	0	120	70	130	0.0573	4.42	20	
Tetrachloroethene	0.06362	0.0050	0.05	0	127	70	130	0.06251	1.76	20	
Toluene	0.05561	0.0050	0.05	0	111	70	130	0.05289	5.01	20	
trans-1,2-Dichloroethene	0.05298	0.0050	0.05	0	106	70	130	0.0522	1.48	20	
trans-1,3-Dichloropropene	0.05741	0.0020	0.05	0	115	70	130	0.05591	2.65	20	
Trichloroethene	0.05352	0.0050	0.05	0	107	70	130	0.05212	2.65	20	
Vinyl chloride	0.05117	0.0050	0.05	0	102	70	130	0.04246	18.6	20	
Xylenes, Total	0.1786	0.015	0.15	0	119	70	130	0.1747	2.19	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134966

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3742759	BFB081517-7	TUNE	BFB	R134966	1	08/15/2017 08:17
3742760	VSTD020R	CCV	VOC_ENCORE+	R134966	1	08/15/2017 09:17
3742761	VLK081517-7	MBLK	VOC_ENCORE+	R134966	1	08/15/2017 09:52
3742762	VLCS081517-7	LCS	VOC_ENCORE+	R134966	1	08/15/2017 10:27
3742763	VLCS081517-7	LCSD	VOC_ENCORE+	R134966	1	08/15/2017 11:02
3742764	17080286-001A	SAMP	VOC_5035	102378	1	08/15/2017 11:37
3742765	17080286-002A	SAMP	VOC_5035	102378	1	08/15/2017 12:12
3742766	17080286-003A	SAMP	VOC_5035	102378	1	08/15/2017 12:48
3742767	17080286-004A	SAMP	VOC_5035	102378	1	08/15/2017 13:23
3742768	17080286-005A	SAMP	VOC_5035	102378	1	08/15/2017 13:58
3742769	17080286-006A	SAMP	VOC_5035	102378	1	08/15/2017 14:34
3742808	17080286-007A	SAMP	VOC_5035	102378	1	08/15/2017 15:09
3742809	17080286-008A	SAMP	VOC_5035	102378	1	08/15/2017 15:45
3742810	17080286-009A	SAMP	VOC_5035	102378	1	08/15/2017 16:20
3743049	17080286-010A	SAMP	VOC_5035	102378	1	08/15/2017 16:55
3743050	17080286-011A	SAMP	VOC_5035	102378	1	08/15/2017 17:31
3743051	17080286-012A	SAMP	VOC_5035	102378	1	08/15/2017 18:06
3743052	17080286-013A	SAMP	VOC_5035	102378	1	08/15/2017 18:41
3743053	17080286-014A	SAMP	VOC_5035	102378	1	08/15/2017 19:16

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
VBLK081517-7	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/15/2017	VOA-7_170815A				3742761	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.075									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone	0.0079		0.075									J
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide		ND	0.050									
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0020									
Dibromochloromethane		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134966

Sample ID: VLBK081517-7	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/15/2017	Run ID: VOA-7_170815A			SeqNo: 3742761		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Ethylbenzene	ND	0.0050
Methyl tert-butyl ether	ND	0.0050
Methylene chloride	ND	0.010
Styrene	ND	0.0050
Tetrachloroethene	ND	0.0050
Toluene	ND	0.0050
trans-1,2-Dichloroethene	ND	0.0050
trans-1,3-Dichloropropene	ND	0.0020
Trichloroethene	ND	0.0050
Vinyl chloride	ND	0.0050
Xylenes, Total	ND	0.015

Sample ID: VLCS081517-7	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/15/2017	Run ID: VOA-7_170815A			SeqNo: 3742762		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.04982	0.0050	0.05	0	99.6	70	130	0	0
1,1,2,2-Tetrachloroethane	0.05478	0.0050	0.05	0	110	70	130	0	0
1,1,2-Trichloroethane	0.05078	0.0050	0.05	0	102	70	130	0	0
1,1-Dichloroethane	0.05314	0.0050	0.05	0	106	70	130	0	0
1,1-Dichloroethene	0.05121	0.0050	0.05	0	102	70	130	0	0
1,2-Dichloroethane	0.05368	0.0050	0.05	0	107	70	130	0	0
1,2-Dichloropropane	0.05292	0.0050	0.05	0	106	70	130	0	0
2-Butanone	0.09137	0.075	0.1	0	91.4	50	150	0	0
2-Hexanone	0.1002	0.020	0.1	0	100	50	150	0	0
4-Methyl-2-pentanone	0.1054	0.020	0.1	0	105	50	150	0	0
Acetone	0.1046	0.075	0.1	0.0079	96.7	50	150	0	0
Benzene	0.0521	0.0050	0.05	0	104	70	130	0	0
Bromodichloromethane	0.05238	0.0050	0.05	0	105	70	130	0	0
Bromoform	0.05373	0.0050	0.05	0	107	70	130	0	0
Bromomethane	0.0554	0.010	0.05	0	111	50	150	0	0
Carbon disulfide	0.1057	0.050	0.1	0	106	70	130	0	0
Carbon tetrachloride	0.05157	0.0050	0.05	0	103	70	130	0	0
Chlorobenzene	0.05	0.0050	0.05	0	100	70	130	0	0
Chloroethane	0.05533	0.010	0.05	0	111	70	130	0	0
Chloroform	0.05217	0.0050	0.05	0	104	70	130	0	0
Chloromethane	0.05793	0.010	0.05	0	116	70	130	0	0
cis-1,2-Dichloroethene	0.05104	0.0050	0.05	0	102	70	130	0	0
cis-1,3-Dichloropropene	0.05148	0.0020	0.05	0	103	70	130	0	0
Dibromochloromethane	0.05309	0.0050	0.05	0	106	70	130	0	0
Ethylbenzene	0.05101	0.0050	0.05	0	102	70	130	0	0
Methyl tert-butyl ether	0.05459	0.0050	0.05	0	109	70	130	0	0
Methylene chloride	0.04995	0.010	0.05	0	99.9	70	130	0	0
Styrene	0.05271	0.0050	0.05	0	105	70	130	0	0
Tetrachloroethene	0.04841	0.0050	0.05	0	96.8	70	130	0	0
Toluene	0.05193	0.0050	0.05	0	104	70	130	0	0
trans-1,2-Dichloroethene	0.05184	0.0050	0.05	0	104	70	130	0	0
trans-1,3-Dichloropropene	0.05166	0.0020	0.05	0	103	70	130	0	0
Trichloroethene	0.04876	0.0050	0.05	0	97.5	70	130	0	0
Vinyl chloride	0.05595	0.0050	0.05	0	112	70	130	0	0

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134966

Sample ID: VLCS081517-7	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/15/2017	Run ID: VOA-7_170815A			SeqNo: 3742762		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Xylenes, Total	0.1534	0.015	0.15	0	102	70	130	0	0			

Sample ID: VLCS081517-7	Customer ID: ZZZZZ	SampType: LCSD	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/15/2017	Run ID: VOA-7_170815A			SeqNo: 3742763		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.04682	0.0050	0.05	0	93.6	70	130	0.04982	6.21	20
1,1,1,2,2-Tetrachloroethane	0.0526	0.0050	0.05	0	105	70	130	0.05478	4.06	20
1,1,1,2-Trichloroethane	0.05222	0.0050	0.05	0	104	70	130	0.05078	2.80	20
1,1-Dichloroethane	0.05342	0.0050	0.05	0	107	70	130	0.05314	0.526	20
1,1-Dichloroethene	0.04927	0.0050	0.05	0	98.5	70	130	0.05121	3.86	20
1,2-Dichloroethane	0.05115	0.0050	0.05	0	102	70	130	0.05368	4.83	20
1,2-Dichloropropane	0.0512	0.0050	0.05	0	102	70	130	0.05292	3.30	20
2-Butanone	0.1077	0.075	0.1	0	108	50	150	0.09137	16.4	20
2-Hexanone	0.09989	0.020	0.1	0	99.9	50	150	0.1002	0.290	20
4-Methyl-2-pentanone	0.1039	0.020	0.1	0	104	50	150	0.1054	1.50	20
Acetone	0.106	0.075	0.1	0.0079	98	50	150	0.1046	1.33	20
Benzene	0.05021	0.0050	0.05	0	100	70	130	0.0521	3.69	20
Bromodichloromethane	0.05163	0.0050	0.05	0	103	70	130	0.05238	1.44	20
Bromoform	0.05014	0.0050	0.05	0	100	70	130	0.05373	6.91	20
Bromomethane	0.05433	0.010	0.05	0	109	50	150	0.0554	1.95	20
Carbon disulfide	0.1056	0.050	0.1	0	106	70	130	0.1057	0.0284	20
Carbon tetrachloride	0.04975	0.0050	0.05	0	99.5	70	130	0.05157	3.59	20
Chlorobenzene	0.04927	0.0050	0.05	0	98.5	70	130	0.05	1.47	20
Chloroethane	0.05626	0.010	0.05	0	113	70	130	0.05533	1.67	20
Chloroform	0.05228	0.0050	0.05	0	105	70	130	0.05217	0.211	20
Chloromethane	0.0589	0.010	0.05	0	118	70	130	0.05793	1.66	20
cis-1,2-Dichloroethene	0.05232	0.0050	0.05	0	105	70	130	0.05104	2.48	20
cis-1,3-Dichloropropene	0.04878	0.0020	0.05	0	97.6	70	130	0.05148	5.39	20
Dibromochloromethane	0.05068	0.0050	0.05	0	101	70	130	0.05309	4.64	20
Ethylbenzene	0.04985	0.0050	0.05	0	99.7	70	130	0.05101	2.30	20
Methyl tert-butyl ether	0.05668	0.0050	0.05	0	113	70	130	0.05459	3.76	20
Methylene chloride	0.05225	0.010	0.05	0	104	70	130	0.04995	4.50	20
Styrene	0.05165	0.0050	0.05	0	103	70	130	0.05271	2.03	20
Tetrachloroethene	0.04718	0.0050	0.05	0	94.4	70	130	0.04841	2.57	20
Toluene	0.04979	0.0050	0.05	0	99.6	70	130	0.05193	4.21	20
trans-1,2-Dichloroethene	0.05251	0.0050	0.05	0	105	70	130	0.05184	1.28	20
trans-1,3-Dichloropropene	0.05127	0.0020	0.05	0	103	70	130	0.05166	0.758	20
Trichloroethene	0.0466	0.0050	0.05	0	93.2	70	130	0.04876	4.53	20
Vinyl chloride	0.05696	0.0050	0.05	0	114	70	130	0.05595	1.79	20
Xylenes, Total	0.1495	0.015	0.15	0	99.7	70	130	0.1534	2.53	20

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134975

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3743078	BFB081517A-7	TUNE	BFB	R134975	1	08/15/2017 19:51
3743079	VSTD050	CCV	VOC_ENCORE+	R134975	1	08/15/2017 20:10
3743080	VLK081517A-7	MBLK	VOC_ENCORE+	R134975	1	08/15/2017 20:45
3743081	VLCS081517A-7	LCS	VOC_ENCORE+	R134975	1	08/15/2017 21:20
3743082	VLCS081517A-7	LCSD	VOC_ENCORE+	R134975	1	08/15/2017 21:54
3743083	17080286-015A	SAMP	VOC_5035	102378	1	08/15/2017 22:29
3743084	17080286-022A	SAMP	VOC_5035	102378	1	08/15/2017 23:03
3743085	17080286-023A	SAMP	VOC_5035	102378	1	08/15/2017 23:38
3743086	17080286-024A	SAMP	VOC_5035	102378	1	08/16/2017 00:12
3743087	17080286-025A	SAMP	VOC_5035	102378	1	08/16/2017 00:46
3743088	17080286-026A	SAMP	VOC_5035	102378	1	08/16/2017 01:20
3743089	17080286-027A	SAMP	VOC_5035	102378	1	08/16/2017 01:54
3743090	17080286-028A	SAMP	VOC_5035	102378	1	08/16/2017 02:28
3743091	17080286-029A	SAMP	VOC_5035	102378	1	08/16/2017 03:02
3743092	17080286-030A	SAMP	VOC_5035	102378	1	08/16/2017 03:36
3743093	17080286-031A	SAMP	VOC_5035	102378	1	08/16/2017 04:10
3743094	17080286-032A	SAMP	VOC_5035	102378	1	08/16/2017 04:44
3743095	17080286-033A	SAMP	VOC_5035	102378	1	08/16/2017 05:18
3743096	17080286-034A	SAMP	VOC_5035	102378	1	08/16/2017 05:52
3743097	17080286-035A	SAMP	VOC_5035	102378	1	08/16/2017 06:26
3743098	17080286-036A	SAMP	VOC_5035	102378	1	08/16/2017 07:00

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
VBLK081517A-7	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/15/2017			VOA-7_170815B		3743080	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.075									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone		0.00605	0.075									J
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide		ND	0.050									
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134975

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VBLK081517A-7	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/15/2017	VOA-7_170815B			3743080		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

cis-1,3-Dichloropropene	ND	0.0020									
Dibromochloromethane	ND	0.0050									
Ethylbenzene	ND	0.0050									
Methyl tert-butyl ether	ND	0.0050									
Methylene chloride	ND	0.010									
Styrene	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	ND	0.0050									
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0020									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:		
VLCS081517A-7	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/15/2017			VOA-7_170815B		3743081		
Analyte		Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05227	0.0050	0.05	0	105	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.05399	0.0050	0.05	0	108	70	130	0	0		
1,1,2-Trichloroethane	0.0526	0.0050	0.05	0	105	70	130	0	0		
1,1-Dichloroethane	0.05367	0.0050	0.05	0	107	70	130	0	0		
1,1-Dichloroethene	0.04879	0.0050	0.05	0	97.6	70	130	0	0		
1,2-Dichloroethane	0.05254	0.0050	0.05	0	105	70	130	0	0		
1,2-Dichloropropane	0.05313	0.0050	0.05	0	106	70	130	0	0		
2-Butanone	0.09763	0.075	0.1	0	97.6	50	150	0	0		
2-Hexanone	0.09865	0.020	0.1	0	98.7	50	150	0	0		
4-Methyl-2-pentanone	0.1029	0.020	0.1	0	103	50	150	0	0		
Acetone	0.1058	0.075	0.1	0.00605	99.8	50	150	0	0		
Benzene	0.05329	0.0050	0.05	0	107	70	130	0	0		
Bromodichloromethane	0.05294	0.0050	0.05	0	106	70	130	0	0		
Bromoform	0.05048	0.0050	0.05	0	101	70	130	0	0		
Bromomethane	0.05534	0.010	0.05	0	111	50	150	0	0		
Carbon disulfide	0.1046	0.050	0.1	0	105	70	130	0	0		
Carbon tetrachloride	0.05194	0.0050	0.05	0	104	70	130	0	0		
Chlorobenzene	0.05094	0.0050	0.05	0	102	70	130	0	0		
Chloroethane	0.05767	0.010	0.05	0	115	70	130	0	0		
Chloroform	0.05291	0.0050	0.05	0	106	70	130	0	0		
Chloromethane	0.05876	0.010	0.05	0	118	70	130	0	0		
cis-1,2-Dichloroethene	0.0514	0.0050	0.05	0	103	70	130	0	0		
cis-1,3-Dichloropropene	0.05115	0.0020	0.05	0	102	70	130	0	0		
Dibromochloromethane	0.05199	0.0050	0.05	0	104	70	130	0	0		
Ethylbenzene	0.05154	0.0050	0.05	0	103	70	130	0	0		
Methyl tert-butyl ether	0.05395	0.0050	0.05	0	108	70	130	0	0		
Methylene chloride	0.05021	0.010	0.05	0	100	70	130	0	0		
Styrene	0.05303	0.0050	0.05	0	106	70	130	0	0		
Tetrachloroethene	0.0482	0.0050	0.05	0	96.4	70	130	0	0		
Toluene	0.05283	0.0050	0.05	0	106	70	130	0	0		
trans-1,2-Dichloroethene	0.05267	0.0050	0.05	0	105	70	130	0	0		
trans-1,3-Dichloropropene	0.05158	0.0020	0.05	0	103	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134975

Sample ID: VLCS081517A-7	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/15/2017	Run ID: VOA-7_170815B		SeqNo: 3743081			
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Trichloroethene	0.04713	0.0050	0.05	0	94.3	70	130	0	0		
Vinyl chloride	0.05503	0.0050	0.05	0	110	70	130	0	0		
Xylenes, Total	0.1565	0.015	0.15	0	104	70	130	0	0		

Sample ID: VLCS081517A-7	Customer ID: ZZZZZ	SampType: LCSD	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/15/2017	Run ID: VOA-7_170815B		SeqNo: 3743082			
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.04995	0.0050	0.05	0	99.9	70	130	0.05227	4.54	20
1,1,1,2,2-Tetrachloroethane	0.05324	0.0050	0.05	0	106	70	130	0.05399	1.40	20
1,1,1,2-Trichloroethane	0.05096	0.0050	0.05	0	102	70	130	0.0526	3.17	20
1,1-Dichloroethane	0.05536	0.0050	0.05	0	111	70	130	0.05367	3.10	20
1,1-Dichloroethene	0.05053	0.0050	0.05	0	101	70	130	0.04879	3.50	20
1,2-Dichloroethane	0.05108	0.0050	0.05	0	102	70	130	0.05254	2.82	20
1,2-Dichloropropane	0.05141	0.0050	0.05	0	103	70	130	0.05313	3.29	20
2-Butanone	0.08485	0.075	0.1	0	84.8	50	150	0.09763	14.0	20
2-Hexanone	0.09998	0.020	0.1	0	100	50	150	0.09865	1.34	20
4-Methyl-2-pentanone	0.1079	0.020	0.1	0	108	50	150	0.1029	4.75	20
Acetone	0.1025	0.075	0.1	0.00605	96.4	50	150	0.1058	3.24	20
Benzene	0.0519	0.0050	0.05	0	104	70	130	0.05329	2.64	20
Bromodichloromethane	0.05181	0.0050	0.05	0	104	70	130	0.05294	2.16	20
Bromoform	0.05221	0.0050	0.05	0	104	70	130	0.05048	3.37	20
Bromomethane	0.05734	0.010	0.05	0	115	50	150	0.05534	3.55	20
Carbon disulfide	0.1078	0.050	0.1	0	108	70	130	0.1046	2.94	20
Carbon tetrachloride	0.04976	0.0050	0.05	0	99.5	70	130	0.05194	4.29	20
Chlorobenzene	0.05057	0.0050	0.05	0	101	70	130	0.05094	0.729	20
Chloroethane	0.05463	0.010	0.05	0	109	70	130	0.05767	5.41	20
Chloroform	0.05354	0.0050	0.05	0	107	70	130	0.05291	1.18	20
Chloromethane	0.06027	0.010	0.05	0	121	70	130	0.05876	2.54	20
cis-1,2-Dichloroethene	0.05244	0.0050	0.05	0	105	70	130	0.0514	2.00	20
cis-1,3-Dichloropropene	0.05085	0.0020	0.05	0	102	70	130	0.05115	0.588	20
Dibromochloromethane	0.05077	0.0050	0.05	0	102	70	130	0.05199	2.37	20
Ethylbenzene	0.05016	0.0050	0.05	0	100	70	130	0.05154	2.71	20
Methyl tert-butyl ether	0.05247	0.0050	0.05	0	105	70	130	0.05395	2.78	20
Methylene chloride	0.05326	0.010	0.05	0	107	70	130	0.05021	5.90	20
Styrene	0.05156	0.0050	0.05	0	103	70	130	0.05303	2.81	20
Tetrachloroethene	0.04653	0.0050	0.05	0	93.1	70	130	0.0482	3.53	20
Toluene	0.05244	0.0050	0.05	0	105	70	130	0.05283	0.741	20
trans-1,2-Dichloroethene	0.05222	0.0050	0.05	0	104	70	130	0.05267	0.858	20
trans-1,3-Dichloropropene	0.05069	0.0020	0.05	0	101	70	130	0.05158	1.74	20
Trichloroethene	0.04793	0.0050	0.05	0	95.9	70	130	0.04713	1.68	20
Vinyl chloride	0.0561	0.0050	0.05	0	112	70	130	0.05503	1.93	20
Xylenes, Total	0.153	0.015	0.15	0	102	70	130	0.1565	2.29	20

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134979

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3743348	BFB081517B-3	TUNE	BFB	R134979	1	08/15/2017 19:16
3743349	VSTD050R	CCV	VOC_ENCORE+	R134979	1	08/15/2017 20:14
3743350	VLK081517AB-3	MBLK	VOC_ENCORE+	R134979	1	08/15/2017 20:51
3743351	VLCS081517B-3	LCS	VOC_ENCORE+	R134979	1	08/15/2017 21:28
3743352	VLCS081517B-3	LCSD	VOC_ENCORE+	R134979	1	08/15/2017 22:05
3743353	17080286-039A	SAMP	VOC_5035	102378	1	08/15/2017 22:42
3743354	17080286-040A	SAMP	VOC_5035	102378	1	08/15/2017 23:19
3743369	17080286-041A	SAMP	VOC_5035	102378	1	08/15/2017 23:55
3743356	17080286-042A	SAMP	VOC_5035	102378	1	08/16/2017 00:31
3743357	17080286-043A	SAMP	VOC_5035	102378	1	08/16/2017 01:07
3743370	17080343-001A	SAMP	VOC_5035	102502	1	08/16/2017 01:42
3743359	17080343-002A	SAMP	VOC_5035	102502	1	08/16/2017 02:18
3743371	17080343-003A	SAMP	VOC_5035	102502	1	08/16/2017 02:54
3743372	17080343-004A	SAMP	VOC_5035	102502	1	08/16/2017 03:29
3743362	17080343-005A	SAMP	VOC_5035	102502	1	08/16/2017 04:05
3743373	17080343-006A	SAMP	VOC_5035	102502	1	08/16/2017 04:41
3743364	17080343-007A	SAMP	VOC_5035	102502	1	08/16/2017 05:16
3743365	17080343-008A	SAMP	VOC_5035	102502	1	08/16/2017 05:52
3743366	17080343-009A	SAMP	VOC_5035	102502	1	08/16/2017 06:28
3743367	17080343-010A	SAMP	VOC_5035	102502	1	08/16/2017 07:04

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
VBLK081517AB-3	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/15/2017		VOA-3_170815B		3743350		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
1,1-Dichloroethane	ND	0.0050									
1,1-Dichloroethene	ND	0.0050									
1,2-Dichloroethane	ND	0.0050									
1,2-Dichloropropane	ND	0.0050									
2-Butanone	ND	0.075									
2-Hexanone	ND	0.020									
4-Methyl-2-pentanone	ND	0.020									
Acetone	ND	0.075									
Benzene	ND	0.0050									
Bromodichloromethane	ND	0.0050									
Bromoform	ND	0.0050									
Bromomethane	ND	0.010									
Carbon disulfide	ND	0.050									
Carbon tetrachloride	ND	0.0050									
Chlorobenzene	ND	0.0050									
Chloroethane	ND	0.010									
Chloroform	ND	0.0050									
Chloromethane	ND	0.010									
cis-1,2-Dichloroethene	ND	0.0050									
cis-1,3-Dichloropropene	ND	0.0020									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134979

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLBK081517AB-3	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/15/2017	VOA-3_170815B			3743350		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Dibromochloromethane	ND	0.0050									
Ethylbenzene	ND	0.0050									
Methyl tert-butyl ether	ND	0.0050									
Methylene chloride	ND	0.010									
Styrene	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	0.00036	0.0050									J
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0020									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:		
VLCS081517B-3	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/15/2017	VOA-3_170815B				3743351		
Analyte		Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05562	0.0050	0.05	0	111	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.05089	0.0050	0.05	0	102	70	130	0	0		
1,1,2-Trichloroethane	0.04973	0.0050	0.05	0	99.5	70	130	0	0		
1,1-Dichloroethane	0.05365	0.0050	0.05	0	107	70	130	0	0		
1,1-Dichloroethene	0.05227	0.0050	0.05	0	105	70	130	0	0		
1,2-Dichloroethane	0.05257	0.0050	0.05	0	105	70	130	0	0		
1,2-Dichloropropane	0.05015	0.0050	0.05	0	100	70	130	0	0		
2-Butanone	0.1017	0.075	0.1	0	102	50	150	0	0		
2-Hexanone	0.09801	0.020	0.1	0	98	50	150	0	0		
4-Methyl-2-pentanone	0.1	0.020	0.1	0	100	50	150	0	0		
Acetone	0.1104	0.075	0.1	0	110	50	150	0	0		
Benzene	0.05065	0.0050	0.05	0	101	70	130	0	0		
Bromodichloromethane	0.0509	0.0050	0.05	0	102	70	130	0	0		
Bromoform	0.05251	0.0050	0.05	0	105	70	130	0	0		
Bromomethane	0.05014	0.010	0.05	0	100	50	150	0	0		
Carbon disulfide	0.1091	0.050	0.1	0	109	70	130	0	0		
Carbon tetrachloride	0.05807	0.0050	0.05	0	116	70	130	0	0		
Chlorobenzene	0.05252	0.0050	0.05	0	105	70	130	0	0		
Chloroethane	0.05111	0.010	0.05	0	102	70	130	0	0		
Chloroform	0.05352	0.0050	0.05	0	107	70	130	0	0		
Chloromethane	0.0542	0.010	0.05	0	108	70	130	0	0		
cis-1,2-Dichloroethene	0.05267	0.0050	0.05	0	105	70	130	0	0		
cis-1,3-Dichloropropene	0.04889	0.0020	0.05	0	97.8	70	130	0	0		
Dibromochloromethane	0.05501	0.0050	0.05	0	110	70	130	0	0		
Ethylbenzene	0.05402	0.0050	0.05	0	108	70	130	0	0		
Methyl tert-butyl ether	0.05578	0.0050	0.05	0	112	70	130	0	0		
Methylene chloride	0.05223	0.010	0.05	0	104	70	130	0	0		
Styrene	0.05442	0.0050	0.05	0	109	70	130	0	0		
Tetrachloroethene	0.0583	0.0050	0.05	0	117	70	130	0	0		
Toluene	0.04827	0.0050	0.05	0.00036	95.8	70	130	0	0		
trans-1,2-Dichloroethene	0.05591	0.0050	0.05	0	112	70	130	0	0		
trans-1,3-Dichloropropene	0.05026	0.0020	0.05	0	101	70	130	0	0		
Trichloroethene	0.05294	0.0050	0.05	0	106	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134979

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLCS081517B-3	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/15/2017	VOA-3_170815B			3743351		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Vinyl chloride	0.05242	0.0050	0.05	0	105	70	130	0	0		
Xylenes, Total	0.1618	0.015	0.15	0	108	70	130	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
VLCS081517B-3	ZZZZZ	LCSD	mg/Kg	SW5035/8260B		8/15/2017		VOA-3_170815B		3743352		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05677	0.0050	0.05	0	114	70	130	0.05562	2.05	20	
1,1,2,2-Tetrachloroethane	0.05121	0.0050	0.05	0	102	70	130	0.05089	0.627	20	
1,1,2-Trichloroethane	0.05244	0.0050	0.05	0	105	70	130	0.04973	5.30	20	
1,1-Dichloroethane	0.05571	0.0050	0.05	0	111	70	130	0.05365	3.77	20	
1,1-Dichloroethene	0.05287	0.0050	0.05	0	106	70	130	0.05227	1.14	20	
1,2-Dichloroethane	0.05403	0.0050	0.05	0	108	70	130	0.05257	2.74	20	
1,2-Dichloropropane	0.05243	0.0050	0.05	0	105	70	130	0.05015	4.45	20	
2-Butanone	0.1081	0.075	0.1	0	108	50	150	0.1017	6.07	20	
2-Hexanone	0.1001	0.020	0.1	0	100	50	150	0.09801	2.13	20	
4-Methyl-2-pentanone	0.1023	0.020	0.1	0	102	50	150	0.1	2.19	20	
Acetone	0.1132	0.075	0.1	0	113	50	150	0.1104	2.46	20	
Benzene	0.05186	0.0050	0.05	0	104	70	130	0.05065	2.36	20	
Bromodichloromethane	0.05266	0.0050	0.05	0	105	70	130	0.0509	3.40	20	
Bromoform	0.0537	0.0050	0.05	0	107	70	130	0.05251	2.24	20	
Bromomethane	0.05112	0.010	0.05	0	102	50	150	0.05014	1.94	20	
Carbon disulfide	0.1093	0.050	0.1	0	109	70	130	0.1091	0.201	20	
Carbon tetrachloride	0.05747	0.0050	0.05	0	115	70	130	0.05807	1.04	20	
Chlorobenzene	0.05364	0.0050	0.05	0	107	70	130	0.05252	2.11	20	
Chloroethane	0.05033	0.010	0.05	0	101	70	130	0.05111	1.54	20	
Chloroform	0.05309	0.0050	0.05	0	106	70	130	0.05352	0.807	20	
Chloromethane	0.05343	0.010	0.05	0	107	70	130	0.0542	1.43	20	
cis-1,2-Dichloroethene	0.05102	0.0050	0.05	0	102	70	130	0.05267	3.18	20	
cis-1,3-Dichloropropene	0.04912	0.0020	0.05	0	98.2	70	130	0.04889	0.469	20	
Dibromochloromethane	0.05721	0.0050	0.05	0	114	70	130	0.05501	3.92	20	
Ethylbenzene	0.05485	0.0050	0.05	0	110	70	130	0.05402	1.52	20	
Methyl tert-butyl ether	0.05697	0.0050	0.05	0	114	70	130	0.05578	2.11	20	
Methylene chloride	0.05499	0.010	0.05	0	110	70	130	0.05223	5.15	20	
Styrene	0.05424	0.0050	0.05	0	108	70	130	0.05442	0.331	20	
Tetrachloroethene	0.05851	0.0050	0.05	0	117	70	130	0.0583	0.360	20	
Toluene	0.04924	0.0050	0.05	0.00036	97.8	70	130	0.04827	1.99	20	
trans-1,2-Dichloroethene	0.05537	0.0050	0.05	0	111	70	130	0.05591	0.971	20	
trans-1,3-Dichloropropene	0.05196	0.0020	0.05	0	104	70	130	0.05026	3.33	20	
Trichloroethene	0.05351	0.0050	0.05	0	107	70	130	0.05294	1.07	20	
Vinyl chloride	0.05194	0.0050	0.05	0	104	70	130	0.05242	0.920	20	
Xylenes, Total	0.164	0.015	0.15	0	109	70	130	0.1618	1.34	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134982

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3743445	BFB081517A-2	TUNE	BFB	R134982	1	08/15/2017 20:54
3743447	VSTD050R	CCV	VOC_ENCORE+	R134982	1	08/15/2017 22:01
3743448	VLK081517A-2	MBLK	VOC_ENCORE+	R134982	1	08/15/2017 22:38
3743449	VLCS081517A-2	LCS	VOC_ENCORE+	R134982	1	08/15/2017 23:16
3743450	VLCS081517A-2	LCSD	VOC_ENCORE+	R134982	1	08/15/2017 23:53
3743452	17080286-017A	SAMP	VOC_5035	102533	1	08/16/2017 00:30
3743455	17080509-001A	SAMP	F-LIST_VOC	102533	1	08/16/2017 01:07
3744161	17080509-001A	SAMP	BTEX_5035	102533	1	08/16/2017 01:07
3743458	17080343-011A	SAMP	VOC_5035	102502	1	08/16/2017 01:44
3743459	17080343-012A	SAMP	VOC_5035	102502	1	08/16/2017 02:20
3743577	17080343-013A	SAMP	VOC_5035	102502	1	08/16/2017 02:57
3743603	17080343-014A	SAMP	VOC_5035	102502	1	08/16/2017 03:34
3743641	17080343-015A	SAMP	VOC_5035	102502	1	08/16/2017 04:10
3743669	17080343-016A	SAMP	VOC_5035	102502	1	08/16/2017 04:47
3743670	17080343-017A	SAMP	VOC_5035	102502	1	08/16/2017 05:24
3743674	17080343-018A	SAMP	VOC_5035	102502	1	08/16/2017 06:00
3743697	17080343-019A	SAMP	VOC_5035	102502	1	08/16/2017 06:37

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:			SeqNo:
VBLK081517A-2	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/15/2017			VOA-2_170815B			3743448
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.075									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone	0.00627		0.075									J
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide		ND	0.050									
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0020									
Dibromochloromethane		ND	0.0050									
Ethylbenzene		ND	0.0050									
Methyl tert-butyl ether		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134982

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLBK081517A-2	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/15/2017	VOA-2_170815B			3743448		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Methylene chloride	ND	0.010
Styrene	ND	0.0050
Tetrachloroethene	ND	0.0050
Toluene	ND	0.0050
trans-1,2-Dichloroethene	ND	0.0050
trans-1,3-Dichloropropene	ND	0.0020
Trichloroethene	ND	0.0050
Vinyl chloride	ND	0.0050
Xylenes, Total	ND	0.015

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:		
VLCS081517A-2	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/15/2017			VOA-2_170815B		3743449		
Analyte		Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.04945	0.0050	0.05	0	98.9	70	130	0	0	
1,1,2,2-Tetrachloroethane	0.05375	0.0050	0.05	0	108	70	130	0	0	
1,1,2-Trichloroethane	0.05102	0.0050	0.05	0	102	70	130	0	0	
1,1-Dichloroethane	0.03968	0.0050	0.05	0	79.4	70	130	0	0	
1,1-Dichloroethene	0.0403	0.0050	0.05	0	80.6	70	130	0	0	
1,2-Dichloroethane	0.05422	0.0050	0.05	0	108	70	130	0	0	
1,2-Dichloropropane	0.04116	0.0050	0.05	0	82.3	70	130	0	0	
2-Butanone	0.08359	0.075	0.1	0	83.6	50	150	0	0	
2-Hexanone	0.07702	0.020	0.1	0	77	50	150	0	0	
4-Methyl-2-pentanone	0.07251	0.020	0.1	0	72.5	50	150	0	0	
Acetone	0.07569	0.075	0.1	0.00627	69.4	50	150	0	0	
Benzene	0.04299	0.0050	0.05	0	86	70	130	0	0	
Bromodichloromethane	0.05023	0.0050	0.05	0	100	70	130	0	0	
Bromoform	0.06242	0.0050	0.05	0	125	70	130	0	0	
Bromomethane	0.02891	0.010	0.05	0	57.8	50	150	0	0	
Carbon disulfide	0.07548	0.050	0.1	0	75.5	70	130	0	0	
Carbon tetrachloride	0.05095	0.0050	0.05	0	102	70	130	0	0	
Chlorobenzene	0.05324	0.0050	0.05	0	106	70	130	0	0	
Chloroethane	0.0364	0.010	0.05	0	72.8	70	130	0	0	
Chloroform	0.04408	0.0050	0.05	0	88.2	70	130	0	0	
Chloromethane	0.03329	0.010	0.05	0	66.6	70	130	0	0	S
cis-1,2-Dichloroethene	0.04475	0.0050	0.05	0	89.5	70	130	0	0	
cis-1,3-Dichloropropene	0.04729	0.0020	0.05	0	94.6	70	130	0	0	
Dibromochloromethane	0.06064	0.0050	0.05	0	121	70	130	0	0	
Ethylbenzene	0.04836	0.0050	0.05	0	96.7	70	130	0	0	
Methyl tert-butyl ether	0.04701	0.0050	0.05	0	94	70	130	0	0	
Methylene chloride	0.03187	0.010	0.05	0	63.7	70	130	0	0	S
Styrene	0.05432	0.0050	0.05	0	109	70	130	0	0	
Tetrachloroethene	0.0534	0.0050	0.05	0	107	70	130	0	0	
Toluene	0.04782	0.0050	0.05	0	95.6	70	130	0	0	
trans-1,2-Dichloroethene	0.04231	0.0050	0.05	0	84.6	70	130	0	0	
trans-1,3-Dichloropropene	0.05377	0.0020	0.05	0	108	70	130	0	0	
Trichloroethene	0.04545	0.0050	0.05	0	90.9	70	130	0	0	
Vinyl chloride	0.0341	0.0050	0.05	0	68.2	70	130	0	0	S
Xylenes, Total	0.1591	0.015	0.15	0	106	70	130	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134982

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:	
VLCS081517A-2	ZZZZZ	LCSD	mg/Kg	SW5035/8260B		8/15/2017	VOA-2_170815B			3743450	
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.04687	0.0050	0.05	0	93.7	70	130	0.04945	5.36	20	
1,1,2,2-Tetrachloroethane	0.05453	0.0050	0.05	0	109	70	130	0.05375	1.44	20	
1,1,2-Trichloroethane	0.05104	0.0050	0.05	0	102	70	130	0.05102	0.0392	20	
1,1-Dichloroethane	0.03778	0.0050	0.05	0	75.6	70	130	0.03968	4.91	20	
1,1-Dichloroethene	0.03984	0.0050	0.05	0	79.7	70	130	0.0403	1.15	20	
1,2-Dichloroethane	0.05313	0.0050	0.05	0	106	70	130	0.05422	2.03	20	
1,2-Dichloropropane	0.04019	0.0050	0.05	0	80.4	70	130	0.04116	2.38	20	
2-Butanone	0.07939	0.075	0.1	0	79.4	50	150	0.08359	5.15	20	
2-Hexanone	0.07808	0.020	0.1	0	78.1	50	150	0.07702	1.37	20	
4-Methyl-2-pentanone	0.0708	0.020	0.1	0	70.8	50	150	0.07251	2.39	20	
Acetone	0.07358	0.075	0.1	0.00627	67.3	50	150	0.07569	0	20	J
Benzene	0.04159	0.0050	0.05	0	83.2	70	130	0.04299	3.31	20	
Bromodichloromethane	0.04854	0.0050	0.05	0	97.1	70	130	0.05023	3.42	20	
Bromoform	0.06304	0.0050	0.05	0	126	70	130	0.06242	0.988	20	
Bromomethane	0.03333	0.010	0.05	0	66.7	50	150	0.02891	14.2	20	
Carbon disulfide	0.07408	0.050	0.1	0	74.1	70	130	0.07548	1.87	20	
Carbon tetrachloride	0.04792	0.0050	0.05	0	95.8	70	130	0.05095	6.13	20	
Chlorobenzene	0.05314	0.0050	0.05	0	106	70	130	0.05324	0.188	20	
Chloroethane	0.03479	0.010	0.05	0	69.6	70	130	0.0364	4.52	20	S
Chloroform	0.04369	0.0050	0.05	0	87.4	70	130	0.04408	0.889	20	
Chloromethane	0.03655	0.010	0.05	0	73.1	70	130	0.03329	9.34	20	
cis-1,2-Dichloroethene	0.0427	0.0050	0.05	0	85.4	70	130	0.04475	4.69	20	
cis-1,3-Dichloropropene	0.04481	0.0020	0.05	0	89.6	70	130	0.04729	5.39	20	
Dibromochloromethane	0.06162	0.0050	0.05	0	123	70	130	0.06064	1.60	20	
Ethylbenzene	0.0475	0.0050	0.05	0	95	70	130	0.04836	1.79	20	
Methyl tert-butyl ether	0.04677	0.0050	0.05	0	93.5	70	130	0.04701	0.512	20	
Methylene chloride	0.03066	0.010	0.05	0	61.3	70	130	0.03187	3.87	20	S
Styrene	0.05405	0.0050	0.05	0	108	70	130	0.05432	0.498	20	
Tetrachloroethene	0.0515	0.0050	0.05	0	103	70	130	0.0534	3.62	20	
Toluene	0.04647	0.0050	0.05	0	92.9	70	130	0.04782	2.86	20	
trans-1,2-Dichloroethene	0.04236	0.0050	0.05	0	84.7	70	130	0.04231	0.118	20	
trans-1,3-Dichloropropene	0.05443	0.0020	0.05	0	109	70	130	0.05377	1.22	20	
Trichloroethene	0.04288	0.0050	0.05	0	85.8	70	130	0.04545	5.82	20	
Vinyl chloride	0.03659	0.0050	0.05	0	73.2	70	130	0.0341	7.04	20	
Xylenes, Total	0.1567	0.015	0.15	0	104	70	130	0.1591	1.54	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134991

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3744438	BFB081617-2	TUNE	BFB	R134991	1	08/16/2017 07:25
3744439	VSTD050	CCV	VOC_ENCORE+	R134991	1	08/16/2017 07:55
3744440	VLK081617-2	MBLK	VOC_ENCORE+	R134991	1	08/16/2017 08:33
3744441	VLCS081617-2	LCSD	VOC_ENCORE+	R134991	1	08/16/2017 09:50
3744442	VLCS081617R-2	LCS	VOC_ENCORE+	R134991	1	08/16/2017 10:30
3744443	17080286-037A	SAMP	VOC_5035	102378	1	08/16/2017 11:10
3744444	17080286-038A	SAMP	VOC_5035	102378	1	08/16/2017 11:48
3744445	17080343-020A	SAMP	VOC_5035	102502	1	08/16/2017 12:25
3744446	17080343-021A	SAMP	VOC_5035	102502	1	08/16/2017 13:02
3744476	17080343-032A	SAMP	VOC_5035	102502	1	08/16/2017 13:38
3744493	17080343-033A	SAMP	VOC_5035	102502	1	08/16/2017 14:14
3744614	17080343-034A	SAMP	VOC_5035	102502	1	08/16/2017 14:51
3744706	17080343-003A	SAMP	VOC_5035	102556	1	08/16/2017 15:28
3744750	17080343-009A	SAMP	VOC_5035	102556	1	08/16/2017 16:05
3744826	17080541-001A	SAMP	VOC_5035	102606	1	08/16/2017 17:10
3744829	17080323-002A	SAMP	BTEX_5035	102473	1	08/16/2017 17:48
3744900	17080323-001A	SAMP	BTEX_5035	102473	1	08/16/2017 18:27

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:			SeqNo:
VBLK081617-2	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/16/2017			VOA-2_170816A			3744440
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.075									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone	0.00372		0.075									J
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide		ND	0.050									
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0020									
Dibromochloromethane		ND	0.0050									
Ethylbenzene		ND	0.0050									
Methyl tert-butyl ether		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134991

Sample ID: VBLK081617-2	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/16/2017	Run ID: VOA-2_170816A			SeqNo: 3744440		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Methylene chloride	ND	0.010
Styrene	ND	0.0050
Tetrachloroethene	ND	0.0050
Toluene	ND	0.0050
trans-1,2-Dichloroethene	ND	0.0050
trans-1,3-Dichloropropene	ND	0.0020
Trichloroethene	ND	0.0050
Vinyl chloride	ND	0.0050
Xylenes, Total	ND	0.015

Sample ID: VLCS081617R-2	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/16/2017	Run ID: VOA-2_170816A			SeqNo: 3744442		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05793	0.0050	0.05	0	116	70	130	0	0
1,1,2,2-Tetrachloroethane	0.05518	0.0050	0.05	0	110	70	130	0	0
1,1,2-Trichloroethane	0.05325	0.0050	0.05	0	106	70	130	0	0
1,1-Dichloroethane	0.04352	0.0050	0.05	0	87	70	130	0	0
1,1-Dichloroethene	0.04838	0.0050	0.05	0	96.8	70	130	0	0
1,2-Dichloroethane	0.05579	0.0050	0.05	0	112	70	130	0	0
1,2-Dichloropropane	0.0422	0.0050	0.05	0	84.4	70	130	0	0
2-Butanone	0.08617	0.075	0.1	0	86.2	50	150	0	0
2-Hexanone	0.07606	0.020	0.1	0	76.1	50	150	0	0
4-Methyl-2-pentanone	0.07155	0.020	0.1	0	71.6	50	150	0	0
Acetone	0.07712	0.075	0.1	0.00372	73.4	50	150	0	0
Benzene	0.04735	0.0050	0.05	0	94.7	70	130	0	0
Bromodichloromethane	0.05223	0.0050	0.05	0	104	70	130	0	0
Bromoform	0.06272	0.0050	0.05	0	125	70	130	0	0
Bromomethane	0.04022	0.010	0.05	0	80.4	50	150	0	0
Carbon disulfide	0.09129	0.050	0.1	0	91.3	70	130	0	0
Carbon tetrachloride	0.05931	0.0050	0.05	0	119	70	130	0	0
Chlorobenzene	0.05819	0.0050	0.05	0	116	70	130	0	0
Chloroethane	0.04602	0.010	0.05	0	92	70	130	0	0
Chloroform	0.05056	0.0050	0.05	0	101	70	130	0	0
Chloromethane	0.04245	0.010	0.05	0	84.9	70	130	0	0
cis-1,2-Dichloroethene	0.04902	0.0050	0.05	0	98	70	130	0	0
cis-1,3-Dichloropropene	0.04813	0.0020	0.05	0	96.3	70	130	0	0
Dibromochloromethane	0.06439	0.0050	0.05	0	129	70	130	0	0
Ethylbenzene	0.05542	0.0050	0.05	0	111	70	130	0	0
Methyl tert-butyl ether	0.04924	0.0050	0.05	0	98.5	70	130	0	0
Methylene chloride	0.03654	0.010	0.05	0	73.1	70	130	0	0
Styrene	0.05895	0.0050	0.05	0	118	70	130	0	0
Tetrachloroethene	0.06358	0.0050	0.05	0	127	70	130	0	0
Toluene	0.0525	0.0050	0.05	0	105	70	130	0	0
trans-1,2-Dichloroethene	0.04892	0.0050	0.05	0	97.8	70	130	0	0
trans-1,3-Dichloropropene	0.05679	0.0020	0.05	0	114	70	130	0	0
Trichloroethene	0.05163	0.0050	0.05	0	103	70	130	0	0
Vinyl chloride	0.04844	0.0050	0.05	0	96.9	70	130	0	0
Xylenes, Total	0.1793	0.015	0.15	0	120	70	130	0	0

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134991

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:	
VLCS081617-2	ZZZZZ	LCSD	mg/Kg	SW5035/8260B		8/16/2017	VOA-2_170816A			3744441	
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.05592	0.0050	0.05	0	112	70	130	0.05793	3.53	20	
1,1,2,2-Tetrachloroethane	0.05717	0.0050	0.05	0	114	70	130	0.05518	3.54	20	
1,1,2-Trichloroethane	0.05491	0.0050	0.05	0	110	70	130	0.05325	3.07	20	
1,1-Dichloroethane	0.04295	0.0050	0.05	0	85.9	70	130	0.04352	1.32	20	
1,1-Dichloroethene	0.04733	0.0050	0.05	0	94.7	70	130	0.04838	2.19	20	
1,2-Dichloroethane	0.05677	0.0050	0.05	0	114	70	130	0.05579	1.74	20	
1,2-Dichloropropane	0.04186	0.0050	0.05	0	83.7	70	130	0.0422	0.809	20	
2-Butanone	0.07979	0.075	0.1	0	79.8	50	150	0.08617	7.69	20	
2-Hexanone	0.07766	0.020	0.1	0	77.7	50	150	0.07606	2.08	20	
4-Methyl-2-pentanone	0.0711	0.020	0.1	0	71.1	50	150	0.07155	0.631	20	
Acetone	0.07299	0.075	0.1	0.00372	69.3	50	150	0.07712	0	20	J
Benzene	0.04657	0.0050	0.05	0	93.1	70	130	0.04735	1.66	20	
Bromodichloromethane	0.05217	0.0050	0.05	0	104	70	130	0.05223	0.115	20	
Bromoform	0.06787	0.0050	0.05	0	136	70	130	0.06272	7.89	20	S
Bromomethane	0.03738	0.010	0.05	0	74.8	50	150	0.04022	7.32	20	
Carbon disulfide	0.0872	0.050	0.1	0	87.2	70	130	0.09129	4.58	20	
Carbon tetrachloride	0.05825	0.0050	0.05	0	116	70	130	0.05931	1.80	20	
Chlorobenzene	0.05905	0.0050	0.05	0	118	70	130	0.05819	1.47	20	
Chloroethane	0.04332	0.010	0.05	0	86.6	70	130	0.04602	6.04	20	
Chloroform	0.04791	0.0050	0.05	0	95.8	70	130	0.05056	5.38	20	
Chloromethane	0.03967	0.010	0.05	0	79.3	70	130	0.04245	6.77	20	
cis-1,2-Dichloroethene	0.04855	0.0050	0.05	0	97.1	70	130	0.04902	0.963	20	
cis-1,3-Dichloropropene	0.04744	0.0020	0.05	0	94.9	70	130	0.04813	1.44	20	
Dibromochloromethane	0.06583	0.0050	0.05	0	132	70	130	0.06439	2.21	20	S
Ethylbenzene	0.05477	0.0050	0.05	0	110	70	130	0.05542	1.18	20	
Methyl tert-butyl ether	0.04912	0.0050	0.05	0	98.2	70	130	0.04924	0.244	20	
Methylene chloride	0.03387	0.010	0.05	0	67.7	70	130	0.03654	7.58	20	S
Styrene	0.05942	0.0050	0.05	0	119	70	130	0.05895	0.794	20	
Tetrachloroethene	0.0627	0.0050	0.05	0	125	70	130	0.06358	1.39	20	
Toluene	0.05091	0.0050	0.05	0	102	70	130	0.0525	3.08	20	
trans-1,2-Dichloroethene	0.04786	0.0050	0.05	0	95.7	70	130	0.04892	2.19	20	
trans-1,3-Dichloropropene	0.05794	0.0020	0.05	0	116	70	130	0.05679	2.00	20	
Trichloroethene	0.05051	0.0050	0.05	0	101	70	130	0.05163	2.19	20	
Vinyl chloride	0.04482	0.0050	0.05	0	89.6	70	130	0.04844	7.76	20	
Xylenes, Total	0.1779	0.015	0.15	0	119	70	130	0.1793	0.778	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW8260B **Matrix:** W

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VBLK081217-4	94.1	101	104	107				
VLCS081217-4	99.4	104	101	105				
VLCS081217-4	101	103	104	104				
17080286-044A	94.6	102	105	103				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	79-114
BZMED8	= Toluene-d8	91-109
DBFM	= Dibromofluoromethane	85-123
DCA12D4	= 1,2-Dichloroethane-d4	86-119

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134899

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3740142	BFB081217-4	TUNE	BFB	R134899	1	08/12/2017 13:25
3740143	VSTD050	CCV	VOC_W+	R134899	1	08/12/2017 14:27
3740144	VLK081217-4	MBLK	VOC_W+	R134899	1	08/12/2017 15:03
3740145	VLCS081217-4	LCS	VOC_W+	R134899	1	08/12/2017 15:38
3740146	VLCS081217-4	LCSD	VOC_W+	R134899	1	08/12/2017 16:15
3740147	17080367-015A	SAMP	BTEX_W-MS	R134899	1	08/12/2017 16:51
3740148	17080169-010A	SAMP	BTEX_W-MS	R134899	1	08/12/2017 17:27
3740149	17080436-001A	SAMP	BTEX_W-MS	R134899	1	08/12/2017 18:02
3740150	17080435-004A	SAMP	BTEX_W-MS	R134899	1	08/12/2017 18:38
3740151	ZBLK081117	MBLK	VOC_TCLP+	R134899	10	08/12/2017 19:50
3740152	17080390-001A	SAMP	VOC_TCLP	R134899	10	08/12/2017 20:25
3740153	17080409-001A	SAMP	VOC_TCLP	R134899	10	08/12/2017 21:00
3740154	ZBLK080917	MBLK	VOC_TCLP+	R134899	10	08/12/2017 21:35
3740155	17080098-002B	SAMP	VOC_TCLP	R134899	10	08/12/2017 22:11
3740156	17080286-044A	SAMP	VOC_W	R134899	1	08/12/2017 23:21
3740157	17080266-055A	SAMP	VOC_W	R134899	1	08/12/2017 23:56
3740158	17080321-001A	SAMP	VOC_W	R134899	1	08/13/2017 00:31

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
VBLK081217-4	ZZZZZ	MBLK	mg/L	SW8260B		8/12/2017		VOA-4_170812A			3740144	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.020									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone		ND	0.020									
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide	0.00055		0.010									J
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0010									
Dibromochloromethane		ND	0.0050									
Ethylbenzene		ND	0.0050									
Methyl tert-butyl ether		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134899

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLBK081217-4	ZZZZZ	MBLK	mg/L	SW8260B		8/12/2017	VOA-4_170812A			3740144		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Methylene chloride	ND	0.0050									
Styrene	ND	0.0050									
Tetrachloroethene	0.00069	0.0050									J
Toluene	ND	0.0050									
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0010									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0020									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
VLCS081217-4	ZZZZZ	LCS	mg/L	SW8260B		8/12/2017			VOA-4_170812A		3740145	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.02091	0.0050	0.02	0	105	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.02193	0.0050	0.02	0	110	70	130	0	0		
1,1,2-Trichloroethane	0.02346	0.0050	0.02	0	117	70	130	0	0		
1,1-Dichloroethane	0.02127	0.0050	0.02	0	106	70	130	0	0		
1,1-Dichloroethene	0.02091	0.0050	0.02	0	105	70	130	0	0		
1,2-Dichloroethane	0.01988	0.0050	0.02	0	99.4	70	130	0	0		
1,2-Dichloropropane	0.02132	0.0050	0.02	0	107	70	130	0	0		
2-Butanone	0.04813	0.020	0.04	0	120	50	150	0	0		
2-Hexanone	0.04304	0.020	0.04	0	108	50	150	0	0		
4-Methyl-2-pentanone	0.04316	0.020	0.04	0	108	50	150	0	0		
Acetone	0.05151	0.020	0.04	0	129	50	150	0	0		
Benzene	0.02077	0.0050	0.02	0	104	70	130	0	0		
Bromodichloromethane	0.02079	0.0050	0.02	0	104	70	130	0	0		
Bromoform	0.01987	0.0050	0.02	0	99.4	70	130	0	0		
Bromomethane	0.01927	0.010	0.02	0	96.4	50	150	0	0		
Carbon disulfide	0.04212	0.010	0.04	0	105	70	130	0	0		
Carbon tetrachloride	0.02031	0.0050	0.02	0	102	70	130	0	0		
Chlorobenzene	0.021	0.0050	0.02	0	105	70	130	0	0		
Chloroethane	0.02241	0.010	0.02	0	112	70	130	0	0		
Chloroform	0.02024	0.0050	0.02	0	101	70	130	0	0		
Chloromethane	0.02169	0.010	0.02	0	108	70	130	0	0		
cis-1,2-Dichloroethene	0.01995	0.0050	0.02	0	99.8	70	130	0	0		
cis-1,3-Dichloropropene	0.02045	0.0010	0.02	0	102	70	130	0	0		
Dibromochloromethane	0.0222	0.0050	0.02	0	111	70	130	0	0		
Ethylbenzene	0.02043	0.0050	0.02	0	102	70	130	0	0		
Methyl tert-butyl ether	0.02038	0.0050	0.02	0	102	70	130	0	0		
Methylene chloride	0.02148	0.0050	0.02	0	107	70	130	0	0		
Styrene	0.02023	0.0050	0.02	0	101	70	130	0	0		
Tetrachloroethene	0.02176	0.0050	0.02	0	109	70	130	0	0		
Toluene	0.02088	0.0050	0.02	0	104	70	130	0	0		
trans-1,2-Dichloroethene	0.02088	0.0050	0.02	0	104	70	130	0	0		
trans-1,3-Dichloropropene	0.02126	0.0010	0.02	0	106	70	130	0	0		
Trichloroethene	0.02051	0.0050	0.02	0	103	70	130	0	0		
Vinyl chloride	0.02171	0.0020	0.02	0	109	70	130	0	0		
Xylenes, Total	0.05926	0.015	0.06	0	98.8	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134899

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:	
VLCS081217-4	ZZZZZ	LCSD	mg/L	SW8260B		8/12/2017	VOA-4_170812A			3740146	
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.0211	0.0050	0.02	0	106	70	130	0.02091	0.905	20	
1,1,2,2-Tetrachloroethane	0.0211	0.0050	0.02	0	106	70	130	0.02193	3.86	20	
1,1,2-Trichloroethane	0.02296	0.0050	0.02	0	115	70	130	0.02346	2.15	20	
1,1-Dichloroethane	0.02216	0.0050	0.02	0	111	70	130	0.02127	4.10	20	
1,1-Dichloroethene	0.02134	0.0050	0.02	0	107	70	130	0.02091	2.04	20	
1,2-Dichloroethane	0.02119	0.0050	0.02	0	106	70	130	0.01988	6.38	20	
1,2-Dichloropropane	0.02139	0.0050	0.02	0	107	70	130	0.02132	0.328	20	
2-Butanone	0.05017	0.020	0.04	0	125	50	150	0.04813	4.15	20	
2-Hexanone	0.04364	0.020	0.04	0	109	50	150	0.04304	1.38	20	
4-Methyl-2-pentanone	0.04357	0.020	0.04	0	109	50	150	0.04316	0.945	20	
Acetone	0.05384	0.020	0.04	0	135	50	150	0.05151	4.42	20	
Benzene	0.02081	0.0050	0.02	0	104	70	130	0.02077	0.192	20	
Bromodichloromethane	0.02047	0.0050	0.02	0	102	70	130	0.02079	1.55	20	
Bromoform	0.02054	0.0050	0.02	0	103	70	130	0.01987	3.32	20	
Bromomethane	0.02046	0.010	0.02	0	102	50	150	0.01927	5.99	20	
Carbon disulfide	0.04369	0.010	0.04	0	109	70	130	0.04212	3.66	20	
Carbon tetrachloride	0.0211	0.0050	0.02	0	106	70	130	0.02031	3.82	20	
Chlorobenzene	0.02148	0.0050	0.02	0	107	70	130	0.021	2.26	20	
Chloroethane	0.02295	0.010	0.02	0	115	70	130	0.02241	2.38	20	
Chloroform	0.02092	0.0050	0.02	0	105	70	130	0.02024	3.30	20	
Chloromethane	0.02275	0.010	0.02	0	114	70	130	0.02169	4.77	20	
cis-1,2-Dichloroethene	0.02087	0.0050	0.02	0	104	70	130	0.01995	4.51	20	
cis-1,3-Dichloropropene	0.02078	0.0010	0.02	0	104	70	130	0.02045	1.60	20	
Dibromochloromethane	0.02146	0.0050	0.02	0	107	70	130	0.0222	3.39	20	
Ethylbenzene	0.02083	0.0050	0.02	0	104	70	130	0.02043	1.94	20	
Methyl tert-butyl ether	0.021	0.0050	0.02	0	105	70	130	0.02038	3.00	20	
Methylene chloride	0.02134	0.0050	0.02	0	107	70	130	0.02148	0.654	20	
Styrene	0.02021	0.0050	0.02	0	101	70	130	0.02023	0.0989	20	
Tetrachloroethene	0.0213	0.0050	0.02	0	106	70	130	0.02176	2.14	20	
Toluene	0.02083	0.0050	0.02	0	104	70	130	0.02088	0.240	20	
trans-1,2-Dichloroethene	0.02185	0.0050	0.02	0	109	70	130	0.02088	4.54	20	
trans-1,3-Dichloropropene	0.02108	0.0010	0.02	0	105	70	130	0.02126	0.850	20	
Trichloroethene	0.02127	0.0050	0.02	0	106	70	130	0.02051	3.64	20	
Vinyl chloride	0.02332	0.0020	0.02	0	117	70	130	0.02171	7.15	20	
Xylenes, Total	0.05993	0.015	0.06	0	99.9	70	130	0.05926	1.12	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

STAT Analysis Corporation

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW8270C **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
17080286-037B	59.1	65.3	65.8	91.1	50.8	62.4	73.1	81.1
17080286-038B	53.1	56.9	58.1	80.9	45.4	55.4	61.7	70.6
17080286-039B	67.2	73.7	75.0	96.1	56.9	70.2	80.0	80.6
17080286-040B	61.1	68.1	66.1	82.8	52.2	62.2	72.9	69.9
17080286-041B	41.8	47.5	44.3	55.2	36.4	42.2	48.6	49.2
17080286-042B	61.6	67.5	66.6	88.7	52.0	63.3	75.3	76.8
17080286-043B	62.6	70.8	66.9	90.4	54.2	64.4	74.6	76.3
MB-102424-SVOC	94.4	93.4	99.3	132 *	92.3	95.5	105	96.5
MB-102423-SVOC	96.2	97.2	101	128 *	90.5	99.9	110	101
LCS-102424-SVOC	101	102	104	135 *	99.7	105	108	106
LCS-102423-SVOC	105	102	106	135 *	104	107	110	104
17080286-007B	77.6	79.6	81.6	107	76.5	82.5	88.0	89.7
17080286-007BMS	80.4	78.9	82.4	106	77.1	82.8	85.5	81.1
17080286-007BMSD	102	98.7	105	132 *	95.8	105	108	101
17080266-053BMS	89.3	87.8	94.2	121	86.0	95.3	97.3	91.4
17080266-053BMSD	90.4	88.7	93.9	127 *	85.1	95.3	101	98.4
17080286-003B	51.7	51.8	53.0	76.6	50.4	55.2	59.6	56.7
17080286-004B	65.4	65.5	67.1	95.8	62.0	68.1	73.9	75.1
17080286-005B	70.3	72.1	75.2	99.6	68.0	75.0	80.0	76.4
17080286-006B	70.0	68.7	73.9	107	67.9	75.1	81.3	81.8
17080286-008B	38.8	39.2	39.8	54.2	37.1	41.7	45.0	41.7
17080286-009B	62.6	64.3	67.8	109	62.0	67.7	72.1	80.6
17080286-010B	62.3	60.0	63.7	94.1	57.8	65.2	70.8	74.2
17080286-011B	68.4	66.9	70.8	93.4	66.6	72.2	76.1	73.7
17080286-012B	82.9	81.0	85.4	111	76.7	85.9	87.9	87.3
17080286-013B	72.1	71.4	76.8	104	69.5	75.7	82.1	79.4
17080286-014B	73.9	74.7	76.6	96.8	68.7	77.8	82.9	76.8

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW8270C **Matrix:** S

QC SUMMARY REPORT

SURROGATE RECOVERIES

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
17080286-015B	73.1	73.3	78.6	112	70.2	78.3	86.7	84.3
MB-102443-SVOC	72.7	72.0	75.8	95.2	71.1	75.1	79.6	73.5
MB-102432-SVOC	85.9	88.3	88.1	111	84.0	91.0	93.2	85.2
MB-102467-SVOC	97.1	98.5	99.2	126 *	90.3	97.0	106	97.0
LCS-102443-SVOC	79.8	80.4	84.0	103	76.0	81.4	89.2	84.9
LCS-102432-SVOC	68.9	69.4	70.1	93.3	67.3	72.5	79.6	75.9
LCS-102467-SVOC	74.8	77.3	77.1	93.0	72.2	78.0	80.7	72.6
17080286-034B	78.9	74.3	80.2	116	75.5	83.3	84.8	87.0
17080286-034BMS	73.4	67.9	72.1	95.7	72.1	75.2	80.2	75.1
17080286-034BMSD	80.0	76.3	78.0	103	77.5	83.1	84.0	81.1
17080286-017B	47.5	44.5	47.7	64.8	47.9	50.0	54.8	53.3
17080286-017BMS	72.3	68.5	77.1	112	69.6	79.0	86.1	87.2
17080286-017BMSD	73.8	69.7	75.8	98.0	69.1	77.8	80.8	77.1
17080390-001AMS	58.1	59.4	60.7	78.1	57.2	60.5	64.9	61.3
17080390-001AMSD	78.6	80.4	80.7	105	75.1	81.6	91.8	77.9
17080286-001B	69.4	69.4	82.7	84.3	55.9	61.1	76.4	81.1
17080286-002B	64.8	69.2	81.4	80.1	60.6	71.3	74.5	79.9
17080286-016B	62.8	62.4	71.2	73.9	52.8	65.8	69.2	68.0
17080286-018B	65.6	62.9	75.8	78.0	56.4	70.2	57.8	76.6
17080286-019B	44.9	42.8	53.1	55.7	38.3	48.1	43.9	52.3
17080286-020B	52.5	47.7	59.4	67.3	45.3	55.4	51.2	65.2
17080286-021B	52.0	48.2	58.8	66.4	50.1	55.2	51.5	66.1
17080286-022B	53.3	49.0	59.4	65.0	52.7	57.0	56.2	72.0
17080286-023B	47.6	42.2	54.3	56.6	45.0	49.3	46.9	54.2
17080286-024B	61.6	58.1	67.1	81.5	51.8	64.9	55.6	67.0
17080286-025B	56.0	52.4	62.6	66.3	53.7	58.2	56.8	64.7
17080286-026B	46.6	46.5	56.5	62.0	44.2	49.6	51.8	61.2
17080286-027B	51.4	49.8	58.4	72.5	50.8	53.3	46.5	59.3

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW8270C **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
17080286-028B	53.2	46.7	59.8	70.1	44.6	56.4	52.6	65.8
17080286-029B	55.8	50.7	61.3	61.7	51.0	58.8	49.8	72.1
17080286-030B	60.7	58.2	68.8	73.3	60.0	64.7	64.8	67.1
17080286-031B	61.5	55.6	73.7	74.8	52.6	66.8	54.8	72.0
17080286-032B	48.9	50.2	61.4	61.8	40.3	52.3	55.3	58.8
17080286-033B	53.7	42.2	58.6	63.5	49.9	58.0	57.5	63.5
17080286-035B	58.3	55.4	66.9	71.2	58.0	63.3	60.7	63.2
17080286-036B	62.5	60.2	70.7	77.0	62.5	68.2	70.9	75.7

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT
GCMS Semivolatiles
BatchID: 102423

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-102423-SVOC			0.03	0	0	1	33.333	8/10/2017	8/10/2017
LCS-102423-SVOC			0.03	0	0	1	33.333	8/10/2017	8/10/2017
17080266-041B	Soil		0.0301	0	0	1	33.223	8/10/2017	8/10/2017
17080266-042B	Soil		0.03034	0	0	1	32.960	8/10/2017	8/10/2017
17080266-043B	Soil		0.03007	0	0	1	33.256	8/10/2017	8/10/2017
17080266-044B	Soil		0.03016	0	0	1	33.156	8/10/2017	8/10/2017
17080266-045B	Soil		0.03018	0	0	1	33.135	8/10/2017	8/10/2017
17080266-046B	Soil		0.0301	0	0	1	33.223	8/10/2017	8/10/2017
17080266-047B	Soil		0.03001	0	0	1	33.322	8/10/2017	8/10/2017
17080266-048B	Soil		0.03046	0	0	1	32.830	8/10/2017	8/10/2017
17080266-049B	Soil		0.03014	0	0	1	33.179	8/10/2017	8/10/2017
17080266-050B	Soil		0.03028	0	0	1	33.025	8/10/2017	8/10/2017
17080266-051B	Soil		0.03022	0	0	1	33.091	8/10/2017	8/10/2017
17080266-052B	Soil		0.03029	0	0	1	33.014	8/10/2017	8/10/2017
17080266-053B	Soil		0.03016	0	0	1	33.156	8/10/2017	8/10/2017
17080266-054B	Soil		0.03027	0	0	1	33.036	8/10/2017	8/10/2017
17080286-001B	Soil		0.03028	0	0	1	33.025	8/10/2017	8/10/2017
17080286-002B	Soil		0.03066	0	0	1	32.616	8/10/2017	8/10/2017
17080286-003B	Soil		0.03059	0	0	1	32.690	8/10/2017	8/10/2017
17080286-004B	Soil		0.03008	0	0	1	33.245	8/10/2017	8/10/2017
17080286-005B	Soil		0.03008	0	0	1	33.245	8/10/2017	8/10/2017
17080286-006B	Soil		0.03036	0	0	1	32.938	8/10/2017	8/10/2017
17080266-053BMS	Soil		0.03016	0	0	1	33.156	8/10/2017	8/10/2017
17080266-053BMSD	Soil		0.03016	0	0	1	33.156	8/10/2017	8/10/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102423-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/10/2017	8/13/2017	SVOC-7_170812A				3740558	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene		ND	0.033									
Acenaphthylene		ND	0.033									
Aniline		ND	0.33									
Anthracene		ND	0.033									
Benz(a)anthracene		ND	0.033									
Benzidine		ND	0.33									
Benzo(a)pyrene		ND	0.033									
Benzo(b)fluoranthene		ND	0.033									
Benzo(g,h,i)perylene		ND	0.033									
Benzo(k)fluoranthene		ND	0.033									
Benzoic acid		ND	0.83									
Benzyl alcohol		ND	0.17									
Bis(2-chloroethoxy)methane		ND	0.17									
Bis(2-chloroethyl)ether		ND	0.17									
Bis(2-ethylhexyl)phthalate		ND	0.83									
4-Bromophenyl phenyl ether		ND	0.17									
Butyl benzyl phthalate		ND	0.17									
Carbazole		ND	0.17									
4-Chloroaniline		ND	0.17									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102423

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
MB-102423-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/10/2017	8/13/2017	SVOC-7_170812A			3740558		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33
2-Chloronaphthalene	ND	0.17
2-Chlorophenol	ND	0.17
4-Chlorophenyl phenyl ether	ND	0.17
Chrysene	ND	0.033
Dibenz(a,h)anthracene	ND	0.033
Dibenzofuran	ND	0.17
1,2-Dichlorobenzene	ND	0.17
1,3-Dichlorobenzene	ND	0.17
1,4-Dichlorobenzene	ND	0.17
3,3'-Dichlorobenzidine	ND	0.17
2,4-Dichlorophenol	ND	0.17
Diethyl phthalate	ND	0.17
2,4-Dimethylphenol	ND	0.17
Dimethyl phthalate	ND	0.17
4,6-Dinitro-2-methylphenol	ND	0.33
2,4-Dinitrophenol	ND	0.83
2,4-Dinitrotoluene	ND	0.033
2,6-Dinitrotoluene	ND	0.033
Di-n-butyl phthalate	ND	0.17
Di-n-octyl phthalate	ND	0.17
Fluoranthene	ND	0.033
Fluorene	ND	0.033
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.17
Hexachloroethane	ND	0.17
Indeno(1,2,3-cd)pyrene	ND	0.033
Isophorone	ND	0.17
2-Methylnaphthalene	ND	0.17
2-Methylphenol	ND	0.17
4-Methylphenol	ND	0.17
Naphthalene	ND	0.033
2-Nitroaniline	ND	0.17
3-Nitroaniline	ND	0.17
4-Nitroaniline	ND	0.17
2-Nitrophenol	ND	0.17
4-Nitrophenol	ND	0.33
Nitrobenzene	ND	0.033
N-Nitrosodi-n-propylamine	ND	0.033
N-Nitrosodimethylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
2, 2'-oxybis(1-Chloropropane)	ND	0.17
Pentachlorophenol	ND	0.067
Phenanthrene	ND	0.033
Phenol	ND	0.17
Pyrene	ND	0.033
Pyridine	ND	0.67
1,2,4-Trichlorobenzene	ND	0.17

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102423

Sample ID: MB-102423-SVOC	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/Kg	TestNo: SW8270C	Prep Date: 8/10/2017	Analysis Date: 8/13/2017	Run ID: SVOC-7_170812A			SeqNo: 3740558		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-Trichlorophenol

ND

0.17

2,4,6-Trichlorophenol

ND

0.17

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
LCS-102423-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	8/10/2017	8/13/2017		SVOC-7_170812A		3740560		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.646

0.033

1.667

0

98.8

37

134

0

0

4-Chloro-3-methylphenol

3.677

0.33

3.333

0

110

29

134

0

0

2-Chlorophenol

3.401

0.17

3.333

0

102

29

105

0

0

1,4-Dichlorobenzene

1.613

0.17

1.667

0

96.7

26

111

0

0

2,4-Dinitrotoluene

1.785

0.033

1.667

0

107

46

125

0

0

4-Nitrophenol

3.831

0.33

3.333

0

115

12

146

0

0

N-Nitrosodi-n-propylamine

1.581

0.033

1.667

0

94.8

29

109

0

0

Pentachlorophenol

4.412

0.067

3.333

0

132

10

192

0

0

E

Phenol

3.341

0.17

3.333

0

100

27

104

0

0

Pyrene

1.662

0.033

1.667

0

99.7

42

148

0

0

1,2,4-Trichlorobenzene

1.699

0.17

1.667

0

102

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080266-053BMS	ZZZZZ	MS	mg/Kg-dry	SW8270C	8/10/2017	8/13/2017		SVOC-7_170812A		3740600		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.769

0.039

1.965

0

90

24

139

0

0

4-Chloro-3-methylphenol

3.935

0.39

3.928

0

100

28

121

0

0

2-Chlorophenol

3.414

0.20

3.928

0

86.9

21

102

0

0

1,4-Dichlorobenzene

1.606

0.20

1.965

0

81.8

27

95

0

0

2,4-Dinitrotoluene

1.932

0.039

1.965

0

98.4

32

127

0

0

4-Nitrophenol

4.255

0.39

3.928

0

108

10

156

0

0

N-Nitrosodi-n-propylamine

1.685

0.039

1.965

0

85.8

16

122

0

0

Pentachlorophenol

4.79

0.079

3.928

0

122

10

204

0

0

E

Phenol

3.436

0.20

3.928

0

87.5

20

103

0

0

Pyrene

1.734

0.039

1.965

0

88.3

10

184

0

0

1,2,4-Trichlorobenzene

1.7

0.20

1.965

0

86.5

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080266-053BMSD	ZZZZZ	MSD	mg/Kg-dry	SW8270C	8/10/2017	8/13/2017		SVOC-7_170812A		3740638		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.705

0.039

1.965

0

86.8

24

139

1.769

3.64

57

4-Chloro-3-methylphenol

4.05

0.39

3.928

0

103

28

121

3.935

2.88

88

2-Chlorophenol

3.486

0.20

3.928

0

88.7

21

102

3.414

2.07

49

1,4-Dichlorobenzene

1.617

0.20

1.965

0

82.3

27

95

1.606

0.682

43

2,4-Dinitrotoluene

1.931

0.039

1.965

0

98.3

32

127

1.932

0.0814

37

4-Nitrophenol

4.18

0.39

3.928

0

106

10

156

4.255

1.77

56

N-Nitrosodi-n-propylamine

1.673

0.039

1.965

0

85.1

16

122

1.685

0.725

47

Pentachlorophenol

4.779

0.079

3.928

0

122

10

204

4.79

0.238

47

E

Phenol

3.523

0.20

3.928

0

89.7

20

103

3.436

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT
GCMS Semivolatiles
BatchID: 102424

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-102424-SVOC			0.03	0	0	1	33.333	8/10/2017	8/10/2017
LCS-102424-SVOC			0.03	0	0	1	33.333	8/10/2017	8/10/2017
17080286-007B	Soil		0.03002	0	0	1	33.311	8/10/2017	8/10/2017
17080286-008B	Soil		0.03023	0	0	1	33.080	8/10/2017	8/10/2017
17080286-009B	Soil		0.03	0	0	1	33.333	8/10/2017	8/10/2017
17080286-010B	Soil		0.03018	0	0	1	33.135	8/10/2017	8/10/2017
17080286-011B	Soil		0.03022	0	0	1	33.091	8/10/2017	8/10/2017
17080286-012B	Soil		0.03008	0	0	1	33.245	8/10/2017	8/10/2017
17080286-013B	Soil		0.03055	0	0	1	32.733	8/10/2017	8/10/2017
17080286-014B	Soil		0.0307	0	0	1	32.573	8/10/2017	8/10/2017
17080318-001B	Soil		0.03008	0	0	1	33.245	8/10/2017	8/10/2017
17080318-002B	Soil		0.03024	0	0	1	33.069	8/10/2017	8/10/2017
17080318-003B	Soil		0.0304	0	0	1	32.895	8/10/2017	8/10/2017
17080318-004B	Soil		0.03006	0	0	1	33.267	8/10/2017	8/10/2017
17080318-005B	Soil		0.03019	0	0	1	33.124	8/10/2017	8/10/2017
17080318-006B	Soil		0.03001	0	0	1	33.322	8/10/2017	8/10/2017
17080318-007B	Soil		0.03032	0	0	1	32.982	8/10/2017	8/10/2017
17080318-008B	Soil		0.03006	0	0	1	33.267	8/10/2017	8/10/2017
17080320-001B	Soil		0.0302	0	0	1	33.113	8/10/2017	8/10/2017
17080320-002B	Soil		0.03013	0	0	1	33.190	8/10/2017	8/10/2017
17080331-001A	Solid		0.01009	0	0	1	99.108	8/10/2017	8/10/2017
17080286-007BMS	Soil		0.03002	0	0	1	33.311	8/10/2017	8/10/2017
17080286-007BMSD	Soil		0.03002	0	0	1	33.311	8/10/2017	8/10/2017
17080286-015B	Soil		0.03048	0	0	1	32.808	8/10/2017	8/10/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102424-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/10/2017	8/13/2017	SVOC-7_170812A				3740557	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene		ND	0.033									
Acenaphthylene		ND	0.033									
Aniline		ND	0.33									
Anthracene		ND	0.033									
Benz(a)anthracene		ND	0.033									
Benzidine		ND	0.33									
Benzo(a)pyrene		ND	0.033									
Benzo(b)fluoranthene		ND	0.033									
Benzo(g,h,i)perylene		ND	0.033									
Benzo(k)fluoranthene		ND	0.033									
Benzoic acid		ND	0.83									
Benzyl alcohol		ND	0.17									
Bis(2-chloroethoxy)methane		ND	0.17									
Bis(2-chloroethyl)ether		ND	0.17									
Bis(2-ethylhexyl)phthalate		ND	0.83									
4-Bromophenyl phenyl ether		ND	0.17									
Butyl benzyl phthalate		ND	0.17									
Carbazole		ND	0.17									
4-Chloroaniline		ND	0.17									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102424

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102424-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/10/2017	8/13/2017	SVOC-7_170812A				3740557	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33
2-Chloronaphthalene	ND	0.17
2-Chlorophenol	ND	0.17
4-Chlorophenyl phenyl ether	ND	0.17
Chrysene	ND	0.033
Dibenz(a,h)anthracene	ND	0.033
Dibenzofuran	ND	0.17
1,2-Dichlorobenzene	ND	0.17
1,3-Dichlorobenzene	ND	0.17
1,4-Dichlorobenzene	ND	0.17
3,3'-Dichlorobenzidine	ND	0.17
2,4-Dichlorophenol	ND	0.17
Diethyl phthalate	ND	0.17
2,4-Dimethylphenol	ND	0.17
Dimethyl phthalate	ND	0.17
4,6-Dinitro-2-methylphenol	ND	0.33
2,4-Dinitrophenol	ND	0.83
2,4-Dinitrotoluene	ND	0.033
2,6-Dinitrotoluene	ND	0.033
Di-n-butyl phthalate	ND	0.17
Di-n-octyl phthalate	ND	0.17
Fluoranthene	ND	0.033
Fluorene	ND	0.033
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.17
Hexachloroethane	ND	0.17
Indeno(1,2,3-cd)pyrene	ND	0.033
Isophorone	ND	0.17
2-Methylnaphthalene	ND	0.17
2-Methylphenol	ND	0.17
4-Methylphenol	ND	0.17
Naphthalene	ND	0.033
2-Nitroaniline	ND	0.17
3-Nitroaniline	ND	0.17
4-Nitroaniline	ND	0.17
2-Nitrophenol	ND	0.17
4-Nitrophenol	ND	0.33
Nitrobenzene	ND	0.033
N-Nitrosodi-n-propylamine	ND	0.033
N-Nitrosodimethylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
2, 2'-oxybis(1-Chloropropane)	ND	0.17
Pentachlorophenol	ND	0.067
Phenanthrene	ND	0.033
Phenol	ND	0.17
Pyrene	ND	0.033
Pyridine	ND	0.67
1,2,4-Trichlorobenzene	ND	0.17

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102424

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
MB-102424-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/10/2017	8/13/2017	SVOC-7_170812A			3740557		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-Trichlorophenol

ND

0.17

2,4,6-Trichlorophenol

ND

0.17

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
LCS-102424-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	8/10/2017	8/13/2017	SVOC-7_170812A				3740559	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.687

0.033

1.667

0

101

37

134

0

0

4-Chloro-3-methylphenol

3.751

0.33

3.333

0

113

29

134

0

0

2-Chlorophenol

3.39

0.17

3.333

0

102

29

105

0

0

1,4-Dichlorobenzene

1.661

0.17

1.667

0

99.6

26

111

0

0

2,4-Dinitrotoluene

1.865

0.033

1.667

0

112

46

125

0

0

4-Nitrophenol

3.869

0.33

3.333

0

116

12

146

0

0

N-Nitrosodi-n-propylamine

1.613

0.033

1.667

0

96.8

29

109

0

0

Pentachlorophenol

4.466

0.067

3.333

0

134

10

192

0

0

E

Phenol

3.339

0.17

3.333

0

100

27

104

0

0

Pyrene

1.681

0.033

1.667

0

101

42

148

0

0

1,2,4-Trichlorobenzene

1.688

0.17

1.667

0

101

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-007BMS	2531V-14-03 (6-12)	MS	mg/Kg-dry	SW8270C	8/10/2017	8/13/2017	SVOC-7_170812A				3740562	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.585

0.041

2.047

0

77.4

24

139

0

0

4-Chloro-3-methylphenol

3.591

0.41

4.092

0

87.7

28

121

0

0

2-Chlorophenol

3.157

0.21

4.092

0

77.1

21

102

0

0

1,4-Dichlorobenzene

1.526

0.21

2.047

0

74.5

27

95

0

0

2,4-Dinitrotoluene

1.784

0.041

2.047

0

87.2

32

127

0

0

4-Nitrophenol

3.78

0.41

4.092

0

92.4

10

156

0

0

N-Nitrosodi-n-propylamine

1.545

0.041

2.047

0

75.5

16

122

0

0

Pentachlorophenol

4.157

0.082

4.092

0

102

10

204

0

0

Phenol

3.256

0.21

4.092

0

79.6

20

103

0

0

Pyrene

1.591

0.041

2.047

0

77.7

10

184

0

0

1,2,4-Trichlorobenzene

1.554

0.21

2.047

0

75.9

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-007BMSD	2531V-14-03 (6-12)	MSD	mg/Kg-dry	SW8270C	8/10/2017	8/13/2017	SVOC-7_170812A				3740563	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

2.007

0.041

2.047

0

98.1

24

139

1.585

23.5

57

4-Chloro-3-methylphenol

4.552

0.41

4.092

0

111

28

121

3.591

23.6

88

2-Chlorophenol

4.138

0.21

4.092

0

101

21

102

3.157

26.9

49

1,4-Dichlorobenzene

1.94

0.21

2.047

0

94.8

27

95

1.526

23.9

43

2,4-Dinitrotoluene

2.184

0.041

2.047

0

107

32

127

1.784

20.2

37

4-Nitrophenol

4.843

0.41

4.092

0

118

10

156

3.78

24.6

56

N-Nitrosodi-n-propylamine

1.909

0.041

2.047

0

93.3

16

122

1.545

21.1

47

Pentachlorophenol

5.297

0.082

4.092

0

129

10

204

4.157

24.1

47

E

Phenol

4.054

0.21

4.092

0

99.1

20

103

3.256

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT
GCMS Semivolatiles
BatchID: 102432

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-102432-SVOC			0.03	0	0	1	33.333	8/10/2017	8/10/2017
LCS-102432-SVOC			0.03	0	0	1	33.333	8/10/2017	8/10/2017
17080352-001A	Soil		0.03039	0	0	1	32.906	8/10/2017	8/10/2017
17080352-002A	Soil		0.03079	0	0	1	32.478	8/10/2017	8/10/2017
17080286-016B	Soil		0.03009	0	0	1	33.234	8/10/2017	8/10/2017
17080286-017B	Soil		0.03008	0	0	1	33.245	8/10/2017	8/10/2017
17080286-018B	Soil		0.03007	0	0	1	33.256	8/10/2017	8/10/2017
17080286-019B	Soil		0.03001	0	0	1	33.322	8/10/2017	8/10/2017
17080286-020B	Soil		0.03033	0	0	1	32.971	8/10/2017	8/10/2017
17080286-021B	Soil		0.0301	0	0	1	33.223	8/10/2017	8/10/2017
17080286-022B	Soil		0.03021	0	0	1	33.102	8/10/2017	8/10/2017
17080286-023B	Soil		0.03015	0	0	1	33.167	8/10/2017	8/10/2017
17080286-024B	Soil		0.03023	0	0	1	33.080	8/10/2017	8/10/2017
17080286-025B	Soil		0.03013	0	0	1	33.190	8/10/2017	8/10/2017
17080286-026B	Soil		0.03022	0	0	1	33.091	8/10/2017	8/10/2017
17080286-027B	Soil		0.03045	0	0	1	32.841	8/10/2017	8/10/2017
17080286-028B	Soil		0.03028	0	0	1	33.025	8/10/2017	8/10/2017
17080286-029B	Soil		0.0301	0	0	1	33.223	8/10/2017	8/10/2017
17080286-030B	Soil		0.03003	0	0	1	33.300	8/10/2017	8/10/2017
17080286-031B	Soil		0.03014	0	0	1	33.179	8/10/2017	8/10/2017
17080286-032B	Soil		0.03046	0	0	1	32.830	8/10/2017	8/10/2017
17080356-001B	Soil		0.03075	0	0	1	32.520	8/10/2017	8/10/2017
17080286-017BMS	Soil		0.03008	0	0	1	33.245	8/10/2017	8/10/2017
17080286-017BMSD	Soil		0.03007	0	0	1	33.256	8/10/2017	8/10/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102432-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/10/2017	8/14/2017	SVOC-7_170814A				3741574	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene		ND	0.033									
Acenaphthylene		ND	0.033									
Aniline		ND	0.33									
Anthracene		ND	0.033									
Benz(a)anthracene		ND	0.033									
Benzidine		ND	0.33									
Benzo(a)pyrene		ND	0.033									
Benzo(b)fluoranthene		ND	0.033									
Benzo(g,h,i)perylene		ND	0.033									
Benzo(k)fluoranthene		ND	0.033									
Benzoic acid		ND	0.83									
Benzyl alcohol		ND	0.17									
Bis(2-chloroethoxy)methane		ND	0.17									
Bis(2-chloroethyl)ether		ND	0.17									
Bis(2-ethylhexyl)phthalate		ND	0.83									
4-Bromophenyl phenyl ether		ND	0.17									
Butyl benzyl phthalate		ND	0.17									
Carbazole		ND	0.17									
4-Chloroaniline		ND	0.17									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102432

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
MB-102432-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/10/2017	8/14/2017	SVOC-7_170814A			3741574		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33
2-Chloronaphthalene	ND	0.17
2-Chlorophenol	ND	0.17
4-Chlorophenyl phenyl ether	ND	0.17
Chrysene	ND	0.033
Dibenz(a,h)anthracene	ND	0.033
Dibenzofuran	ND	0.17
1,2-Dichlorobenzene	ND	0.17
1,3-Dichlorobenzene	ND	0.17
1,4-Dichlorobenzene	ND	0.17
3,3'-Dichlorobenzidine	ND	0.17
2,4-Dichlorophenol	ND	0.17
Diethyl phthalate	ND	0.17
2,4-Dimethylphenol	ND	0.17
Dimethyl phthalate	ND	0.17
4,6-Dinitro-2-methylphenol	ND	0.33
2,4-Dinitrophenol	ND	0.83
2,4-Dinitrotoluene	ND	0.033
2,6-Dinitrotoluene	ND	0.033
Di-n-butyl phthalate	ND	0.17
Di-n-octyl phthalate	ND	0.17
Fluoranthene	ND	0.033
Fluorene	ND	0.033
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.17
Hexachloroethane	ND	0.17
Indeno(1,2,3-cd)pyrene	ND	0.033
Isophorone	ND	0.17
2-Methylnaphthalene	ND	0.17
2-Methylphenol	ND	0.17
4-Methylphenol	ND	0.17
Naphthalene	ND	0.033
2-Nitroaniline	ND	0.17
3-Nitroaniline	ND	0.17
4-Nitroaniline	ND	0.17
2-Nitrophenol	ND	0.17
4-Nitrophenol	ND	0.33
Nitrobenzene	ND	0.033
N-Nitrosodi-n-propylamine	ND	0.033
N-Nitrosodimethylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
2, 2'-oxybis(1-Chloropropane)	ND	0.17
Pentachlorophenol	ND	0.067
Phenanthrene	ND	0.033
Phenol	ND	0.17
Pyrene	ND	0.033
Pyridine	ND	0.67
1,2,4-Trichlorobenzene	ND	0.17

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102432

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102432-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/10/2017	8/14/2017	SVOC-7_170814A				3741574	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-Trichlorophenol

ND

0.17

2,4,6-Trichlorophenol

ND

0.17

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
LCS-102432-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	8/10/2017	8/14/2017		SVOC-7_170814A		3741578		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.237

0.033

1.667

0

74.2

37

134

0

0

4-Chloro-3-methylphenol

2.687

0.33

3.333

0

80.6

29

134

0

0

2-Chlorophenol

2.347

0.17

3.333

0

70.4

29

105

0

0

1,4-Dichlorobenzene

1.091

0.17

1.667

0

65.5

26

111

0

0

2,4-Dinitrotoluene

1.32

0.033

1.667

0

79.2

46

125

0

0

4-Nitrophenol

2.783

0.33

3.333

0

83.5

12

146

0

0

N-Nitrosodi-n-propylamine

1.138

0.033

1.667

0

68.3

29

109

0

0

Pentachlorophenol

3.065

0.067

3.333

0

92

10

192

0

0

Phenol

2.357

0.17

3.333

0

70.7

27

104

0

0

Pyrene

1.201

0.033

1.667

0

72.1

42

148

0

0

1,2,4-Trichlorobenzene

1.168

0.17

1.667

0

70.1

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080286-017BMS	2531V-18-07 (12-1	MS	mg/Kg-dry	SW8270C	8/10/2017	8/14/2017		SVOC-7_170814A		3741588		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.46

0.036

1.825

0

80

24

139

0

0

4-Chloro-3-methylphenol

3.323

0.36

3.65

0

91

28

121

0

0

2-Chlorophenol

2.663

0.19

3.65

0

73

21

102

0

0

1,4-Dichlorobenzene

1.206

0.19

1.825

0

66.1

27

95

0

0

2,4-Dinitrotoluene

1.616

0.036

1.825

0

88.5

32

127

0

0

4-Nitrophenol

3.579

0.36

3.65

0

98.1

10

156

0

0

N-Nitrosodi-n-propylamine

1.379

0.036

1.825

0

75.5

16

122

0

0

Pentachlorophenol

3.639

0.073

3.65

0

99.7

10

204

0

0

Phenol

2.751

0.19

3.65

0

75.4

20

103

0

0

Pyrene

1.428

0.036

1.825

0

78.2

10

184

0

0

1,2,4-Trichlorobenzene

1.29

0.19

1.825

0

70.6

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080286-017BMSD	2531V-18-07 (12-1	MSD	mg/Kg-dry	SW8270C	8/10/2017	8/14/2017		SVOC-7_170814A		3741589		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.421

0.036

1.826

0

77.8

24

139

1.46

2.70

57

4-Chloro-3-methylphenol

3.09

0.36

3.651

0

84.6

28

121

3.323

7.24

88

2-Chlorophenol

2.691

0.19

3.651

0

73.7

21

102

2.663

1.04

49

1,4-Dichlorobenzene

1.266

0.19

1.826

0

69.3

27

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT
GCMS Semivolatiles
BatchID: 102443

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-102443-SVOC			0.03	0	0	1	33.333	8/10/2017	8/10/2017
LCS-102443-SVOC			0.03	0	0	1	33.333	8/10/2017	8/10/2017
17080286-033B	Soil		0.03055	0	0	1	32.733	8/10/2017	8/10/2017
17080286-034B	Soil		0.03004	0	0	1	33.289	8/10/2017	8/10/2017
17080286-035B	Soil		0.0301	0	0	1	33.223	8/10/2017	8/10/2017
17080286-036B	Soil		0.03001	0	0	1	33.322	8/10/2017	8/10/2017
17080286-037B	Soil		0.03038	0	0	1	32.916	8/10/2017	8/10/2017
17080286-038B	Soil		0.03025	0	0	1	33.058	8/10/2017	8/10/2017
17080367-001B	Soil		0.03076	0	0	1	32.510	8/10/2017	8/10/2017
17080367-002B	Soil		0.0304	0	0	1	32.895	8/10/2017	8/10/2017
17080367-003B	Soil		0.03044	0	0	1	32.852	8/10/2017	8/10/2017
17080367-004B	Soil		0.03046	0	0	1	32.830	8/10/2017	8/10/2017
17080367-005B	Soil		0.03006	0	0	1	33.267	8/10/2017	8/10/2017
17080367-006B	Soil		0.03012	0	0	1	33.201	8/10/2017	8/10/2017
17080367-007B	Soil		0.03007	0	0	1	33.256	8/10/2017	8/10/2017
17080367-008B	Soil		0.03042	0	0	1	32.873	8/10/2017	8/10/2017
17080367-009B	Soil		0.03042	0	0	1	32.873	8/10/2017	8/10/2017
17080367-010B	Soil		0.03017	0	0	1	33.146	8/10/2017	8/10/2017
17080367-011B	Soil		0.0308	0	0	1	32.468	8/10/2017	8/10/2017
17080367-012B	Soil		0.03036	0	0	1	32.938	8/10/2017	8/10/2017
17080367-013B	Soil		0.03022	0	0	1	33.091	8/10/2017	8/10/2017
17080367-014B	Soil		0.0301	0	0	1	33.223	8/10/2017	8/10/2017
17080286-034BMS	Soil		0.03004	0	0	1	33.289	8/10/2017	8/10/2017
17080286-034BMSD	Soil		0.03006	0	0	1	33.267	8/10/2017	8/10/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102443-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/10/2017	8/14/2017	SVOC-7_170814A				3741477	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene		ND	0.033									
Acenaphthylene		ND	0.033									
Aniline		ND	0.33									
Anthracene		ND	0.033									
Benz(a)anthracene		ND	0.033									
Benzidine		ND	0.33									
Benzo(a)pyrene		ND	0.033									
Benzo(b)fluoranthene		ND	0.033									
Benzo(g,h,i)perylene		ND	0.033									
Benzo(k)fluoranthene		ND	0.033									
Benzoic acid		ND	0.83									
Benzyl alcohol		ND	0.17									
Bis(2-chloroethoxy)methane		ND	0.17									
Bis(2-chloroethyl)ether		ND	0.17									
Bis(2-ethylhexyl)phthalate		ND	0.83									
4-Bromophenyl phenyl ether		ND	0.17									
Butyl benzyl phthalate		ND	0.17									
Carbazole		ND	0.17									
4-Chloroaniline		ND	0.17									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102443

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
MB-102443-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/10/2017	8/14/2017	SVOC-7_170814A			3741477		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33
2-Chloronaphthalene	ND	0.17
2-Chlorophenol	ND	0.17
4-Chlorophenyl phenyl ether	ND	0.17
Chrysene	ND	0.033
Dibenz(a,h)anthracene	ND	0.033
Dibenzofuran	ND	0.17
1,2-Dichlorobenzene	ND	0.17
1,3-Dichlorobenzene	ND	0.17
1,4-Dichlorobenzene	ND	0.17
3,3'-Dichlorobenzidine	ND	0.17
2,4-Dichlorophenol	ND	0.17
Diethyl phthalate	ND	0.17
2,4-Dimethylphenol	ND	0.17
Dimethyl phthalate	ND	0.17
4,6-Dinitro-2-methylphenol	ND	0.33
2,4-Dinitrophenol	ND	0.83
2,4-Dinitrotoluene	ND	0.033
2,6-Dinitrotoluene	ND	0.033
Di-n-butyl phthalate	ND	0.17
Di-n-octyl phthalate	ND	0.17
Fluoranthene	ND	0.033
Fluorene	ND	0.033
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.17
Hexachloroethane	ND	0.17
Indeno(1,2,3-cd)pyrene	ND	0.033
Isophorone	ND	0.17
2-Methylnaphthalene	ND	0.17
2-Methylphenol	ND	0.17
4-Methylphenol	ND	0.17
Naphthalene	ND	0.033
2-Nitroaniline	ND	0.17
3-Nitroaniline	ND	0.17
4-Nitroaniline	ND	0.17
2-Nitrophenol	ND	0.17
4-Nitrophenol	ND	0.33
Nitrobenzene	ND	0.033
N-Nitrosodi-n-propylamine	ND	0.033
N-Nitrosodimethylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
2, 2'-oxybis(1-Chloropropane)	ND	0.17
Pentachlorophenol	ND	0.067
Phenanthrene	ND	0.033
Phenol	ND	0.17
Pyrene	ND	0.033
Pyridine	ND	0.67
1,2,4-Trichlorobenzene	ND	0.17

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102443

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102443-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/10/2017	8/14/2017	SVOC-7_170814A				3741477	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-Trichlorophenol

ND

0.17

2,4,6-Trichlorophenol

ND

0.17

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
LCS-102443-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	8/10/2017	8/14/2017		SVOC-7_170814A		3741576		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.58

0.033

1.667

0

94.8

37

134

0

0

4-Chloro-3-methylphenol

3.478

0.33

3.333

0

104

29

134

0

0

2-Chlorophenol

3.06

0.17

3.333

0

91.8

29

105

0

0

1,4-Dichlorobenzene

1.446

0.17

1.667

0

86.7

26

111

0

0

2,4-Dinitrotoluene

1.656

0.033

1.667

0

99.3

46

125

0

0

4-Nitrophenol

3.653

0.33

3.333

0

110

12

146

0

0

N-Nitrosodi-n-propylamine

1.478

0.033

1.667

0

88.6

29

109

0

0

Pentachlorophenol

4.041

0.067

3.333

0

121

10

192

0

0

E

Phenol

3.063

0.17

3.333

0

91.9

27

104

0

0

Pyrene

1.56

0.033

1.667

0

93.6

42

148

0

0

1,2,4-Trichlorobenzene

1.507

0.17

1.667

0

90.4

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080286-034BMS	2531V-56-09 (12-1	MS	mg/Kg-dry	SW8270C	8/10/2017	8/14/2017		SVOC-7_170814A		3741582		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.599

0.038

1.922

0

83.2

24

139

0

0

4-Chloro-3-methylphenol

3.676

0.38

3.844

0

95.6

28

121

0

0

2-Chlorophenol

3.186

0.20

3.844

0

82.9

21

102

0

0

1,4-Dichlorobenzene

1.415

0.20

1.922

0

73.6

27

95

0

0

2,4-Dinitrotoluene

1.762

0.038

1.922

0

91.7

32

127

0

0

4-Nitrophenol

3.844

0.38

3.844

0

100

10

156

0

0

N-Nitrosodi-n-propylamine

1.508

0.038

1.922

0

78.4

16

122

0

0

Pentachlorophenol

4.24

0.077

3.844

0

110

10

204

0

0

Phenol

3.178

0.20

3.844

0

82.7

20

103

0

0

Pyrene

1.624

0.038

1.922

0

84.5

10

184

0

0

1,2,4-Trichlorobenzene

1.487

0.20

1.922

0

77.3

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080286-034BMSD	2531V-56-09 (12-1	MSD	mg/Kg-dry	SW8270C	8/10/2017	8/14/2017		SVOC-7_170814A		3741583		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.588

0.038

1.921

0

82.7

24

139

1.599

0.693

57

4-Chloro-3-methylphenol

3.685

0.38

3.841

0

95.9

28

121

3.676

0.236

88

2-Chlorophenol

3.3

0.20

3.841

0

85.9

21

102

3.186

3.50

49

1,4-Dichlorobenzene

1.456

0.20

1.921

0

75.8

27

95

1.415

2.88

43

2,4-Dinitrotoluene

1.766

0.038

1.921

0

91.9

32

127

1.762

0.217

37

4-Nitrophenol

3.888

0.38

3.841

0

101

10

156

3.844

1.15

56

N-Nitrosodi-n-propylamine

1.552

0.038

1.921

0

80.8

16

122

1.508

2.85

47

Pentachlorophenol

4.445

0.077

3.841

0

116

10

204

4.24

4.71

47

Phenol

3.387

0.20

3.841

0

88.2

20

103

3.178

6.35

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT
GCMS Semivolatiles
BatchID: 102467

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-102467-SVOC			0.03	0	0	1	33.333	8/11/2017	8/11/2017
LCS-102467-SVOC			0.03	0	0	1	33.333	8/11/2017	8/11/2017
17080286-039B	Soil		0.03	0	0	1	33.333	8/11/2017	8/11/2017
17080286-040B	Soil		0.03032	0	0	1	32.982	8/11/2017	8/11/2017
17080286-041B	Soil		0.03003	0	0	1	33.300	8/11/2017	8/11/2017
17080286-042B	Soil		0.03007	0	0	1	33.256	8/11/2017	8/11/2017
17080286-043B	Soil		0.03009	0	0	1	33.234	8/11/2017	8/11/2017
17080294-001A	Soil		0.03007	0	0	1	33.256	8/11/2017	8/11/2017
17080294-002A	Soil		0.03024	0	0	1	33.069	8/11/2017	8/11/2017
17080294-003A	Soil		0.03002	0	0	1	33.311	8/11/2017	8/11/2017
17080294-004A	Soil		0.03003	0	0	1	33.300	8/11/2017	8/11/2017
17080294-005A	Soil		0.03005	0	0	1	33.278	8/11/2017	8/11/2017
17080294-006A	Soil		0.03007	0	0	1	33.256	8/11/2017	8/11/2017
17080294-007A	Soil		0.03005	0	0	1	33.278	8/11/2017	8/11/2017
17080368-001B	Soil		0.03036	0	0	1	32.938	8/11/2017	8/11/2017
17080368-002B	Soil		0.03016	0	0	1	33.156	8/11/2017	8/11/2017
17080368-003B	Soil		0.03007	0	0	1	33.256	8/11/2017	8/11/2017
17080377-001B	Soil		0.03037	0	0	1	32.927	8/11/2017	8/11/2017
17080377-002B	Soil		0.03014	0	0	1	33.179	8/11/2017	8/11/2017
17080377-003B	Soil		0.03023	0	0	1	33.080	8/11/2017	8/11/2017
17080377-004B	Soil		0.03012	0	0	1	33.201	8/11/2017	8/11/2017
17080390-001A	Soil		0.03035	0	0	1	32.949	8/11/2017	8/11/2017
17080390-001AMS	Soil		0.03036	0	0	1	32.938	8/11/2017	8/11/2017
17080390-001AMSD	Soil		0.03036	0	0	1	32.938	8/11/2017	8/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102467-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/11/2017	8/14/2017	SVOC-7_170814A				3741575	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene		ND	0.033									
Acenaphthylene		ND	0.033									
Aniline		ND	0.33									
Anthracene		ND	0.033									
Benz(a)anthracene		ND	0.033									
Benzidine		ND	0.33									
Benzo(a)pyrene		ND	0.033									
Benzo(b)fluoranthene		ND	0.033									
Benzo(g,h,i)perylene		ND	0.033									
Benzo(k)fluoranthene		ND	0.033									
Benzoic acid		ND	0.83									
Benzyl alcohol		ND	0.17									
Bis(2-chloroethoxy)methane		ND	0.17									
Bis(2-chloroethyl)ether		ND	0.17									
Bis(2-ethylhexyl)phthalate		ND	0.83									
4-Bromophenyl phenyl ether		ND	0.17									
Butyl benzyl phthalate		ND	0.17									
Carbazole		ND	0.17									
4-Chloroaniline		ND	0.17									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102467

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
MB-102467-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/11/2017	8/14/2017	SVOC-7_170814A			3741575		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33
2-Chloronaphthalene	ND	0.17
2-Chlorophenol	ND	0.17
4-Chlorophenyl phenyl ether	ND	0.17
Chrysene	ND	0.033
Dibenz(a,h)anthracene	ND	0.033
Dibenzofuran	ND	0.17
1,2-Dichlorobenzene	ND	0.17
1,3-Dichlorobenzene	ND	0.17
1,4-Dichlorobenzene	ND	0.17
3,3'-Dichlorobenzidine	ND	0.17
2,4-Dichlorophenol	ND	0.17
Diethyl phthalate	ND	0.17
2,4-Dimethylphenol	ND	0.17
Dimethyl phthalate	ND	0.17
4,6-Dinitro-2-methylphenol	ND	0.33
2,4-Dinitrophenol	ND	0.83
2,4-Dinitrotoluene	ND	0.033
2,6-Dinitrotoluene	ND	0.033
Di-n-butyl phthalate	ND	0.17
Di-n-octyl phthalate	ND	0.17
Fluoranthene	ND	0.033
Fluorene	ND	0.033
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.17
Hexachloroethane	ND	0.17
Indeno(1,2,3-cd)pyrene	ND	0.033
Isophorone	ND	0.17
2-Methylnaphthalene	ND	0.17
2-Methylphenol	ND	0.17
4-Methylphenol	ND	0.17
Naphthalene	ND	0.033
2-Nitroaniline	ND	0.17
3-Nitroaniline	ND	0.17
4-Nitroaniline	ND	0.17
2-Nitrophenol	ND	0.17
4-Nitrophenol	ND	0.33
Nitrobenzene	ND	0.033
N-Nitrosodi-n-propylamine	ND	0.033
N-Nitrosodimethylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
2, 2'-oxybis(1-Chloropropane)	ND	0.17
Pentachlorophenol	ND	0.067
Phenanthrene	ND	0.033
Phenol	ND	0.17
Pyrene	ND	0.033
Pyridine	ND	0.67
1,2,4-Trichlorobenzene	ND	0.17

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102467

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102467-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/11/2017	8/14/2017	SVOC-7_170814A				3741575	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-Trichlorophenol

ND

0.17

2,4,6-Trichlorophenol

ND

0.17

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
LCS-102467-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	8/11/2017	8/14/2017	SVOC-7_170814A				3741579	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.221

0.033

1.667

0

73.2

37

134

0

0

4-Chloro-3-methylphenol

2.646

0.33

3.333

0

79.4

29

134

0

0

2-Chlorophenol

2.474

0.17

3.333

0

74.2

29

105

0

0

1,4-Dichlorobenzene

1.208

0.17

1.667

0

72.5

26

111

0

0

2,4-Dinitrotoluene

1.243

0.033

1.667

0

74.6

46

125

0

0

4-Nitrophenol

2.618

0.33

3.333

0

78.5

12

146

0

0

N-Nitrosodi-n-propylamine

1.153

0.033

1.667

0

69.2

29

109

0

0

Pentachlorophenol

2.989

0.067

3.333

0

89.7

10

192

0

0

Phenol

2.488

0.17

3.333

0

74.6

27

104

0

0

Pyrene

1.179

0.033

1.667

0

70.7

42

148

0

0

1,2,4-Trichlorobenzene

1.276

0.17

1.667

0

76.6

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080390-001AMS	ZZZZZ	MS	mg/Kg	SW8270C	8/11/2017	8/14/2017		SVOC-7_170814A		3741591		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.019

0.033

1.647

0.1522

52.6

24

139

0

0

4-Chloro-3-methylphenol

2.106

0.33

3.293

0

63.9

28

121

0

0

2-Chlorophenol

1.875

0.17

3.293

0

56.9

21

102

0

0

1,4-Dichlorobenzene

0.885

0.17

1.647

0

53.7

27

95

0

0

2,4-Dinitrotoluene

1.035

0.033

1.647

0

62.8

32

127

0

0

4-Nitrophenol

2.225

0.33

3.293

0

67.5

10

156

0

0

N-Nitrosodi-n-propylamine

0.8854

0.033

1.647

0

53.7

16

122

0

0

Pentachlorophenol

2.332

0.066

3.293

0

70.8

10

204

0

0

Phenol

1.893

0.17

3.293

0

57.5

20

103

0

0

Pyrene

1.236

0.033

1.647

1.21

1.6

10

184

0

0

S

1,2,4-Trichlorobenzene

0.9447

0.17

1.647

0

57.3

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080390-001AMSD	ZZZZZ	MSD	mg/Kg	SW8270C	8/11/2017	8/14/2017	SVOC-7_170814A				3741592	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.373

0.033

1.647

0.1522

74.1

24

139

1.019

29.5

57

4-Chloro-3-methylphenol

2.903

0.33

3.293

0

88.1

28

121

2.106

31.8

88

2-Chlorophenol

2.557

0.17

3.293

0

77.6

21

102

1.875

30.8

49

1,4-Dichlorobenzene

1.2

0.17

1.647

0

72.8

27

95

0.885

30.2

43

2,4-Dinitrotoluene

1.334

0.033

1.647

0

81

32

127

1.035

25.3

37

4-Nitrophenol

2.892

0.33

3.293

0

87.8

10

156

2.225

26.1

56

N-Nitrosodi-n-propylamine

1.21

0.033

1.647

0

73.5

16

122

0.8854

31.0

47

Pentachlorophenol

3.308

0.066

3.293

0

100

10

204

2.332

34.6

47

Phenol

2.516

0.17

3.293

0

76.4

20

103

1.893

28.3

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS6 8/9/17			1.2	0	0	50	41.667	8/9/2017	8/9/2017
ILCSS6 8/9/17			1.2	0	0	50	41.667	8/9/2017	8/9/2017
17080266-052B	Soil		1.157	0	0	50	43.215	8/9/2017	8/9/2017
17080266-052BMS	Soil		1.162	0	0	50	43.029	8/9/2017	8/9/2017
17080266-052BMSD	Soil		1.151	0	0	50	43.440	8/9/2017	8/9/2017
17080266-041B	Soil		1.144	0	0	50	43.706	8/9/2017	8/9/2017
17080266-042B	Soil		1.129	0	0	50	44.287	8/9/2017	8/9/2017
17080266-043B	Soil		1.177	0	0	50	42.481	8/9/2017	8/9/2017
17080266-044B	Soil		1.1	0	0	50	45.455	8/9/2017	8/9/2017
17080266-045B	Soil		1.174	0	0	50	42.589	8/9/2017	8/9/2017
17080266-046B	Soil		1.184	0	0	50	42.230	8/9/2017	8/9/2017
17080266-047B	Soil		1.181	0	0	50	42.337	8/9/2017	8/9/2017
17080266-048B	Soil		1.153	0	0	50	43.365	8/9/2017	8/9/2017
17080266-049B	Soil		1.186	0	0	50	42.159	8/9/2017	8/9/2017
17080266-050B	Soil		1.188	0	0	50	42.088	8/9/2017	8/9/2017
17080266-051B	Soil		1.159	0	0	50	43.141	8/9/2017	8/9/2017
17080266-053B	Soil		1.164	0	0	50	42.955	8/9/2017	8/9/2017
17080266-054B	Soil		1.153	0	0	50	43.365	8/9/2017	8/9/2017
17080286-041B	Soil		1.102	0	0	50	45.372	8/10/2017	8/10/2017
17080286-042B	Soil		1.107	0	0	50	45.167	8/10/2017	8/10/2017
17080286-043B	Soil		1.164	0	0	50	42.955	8/10/2017	8/10/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBS6 8/9/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/9/2017	8/12/2017	ICPMS-3_170812A				3739040	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		ND	8.3									
Antimony		ND	0.83									
Arsenic		ND	0.42									
Barium		ND	0.42									
Cadmium		ND	0.21									
Calcium		ND	25									
Chromium		ND	0.42									
Cobalt		ND	0.42									
Copper		ND	1.0									
Iron		ND	12									
Lead		ND	0.21									
Magnesium		ND	12									
Manganese		ND	0.42									
Nickel		ND	0.42									
Potassium		ND	12									
Selenium		ND	0.42									
Silver		ND	0.42									
Sodium		ND	25									
Thallium		ND	0.42									
Vanadium		ND	0.42									
Zinc		ND	2.1									

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102417

Sample ID: IMBS6 8/9/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/Kg	TestNo: SW6020	Prep Date: 8/9/2017	Analysis Date: 8/14/2017	Run ID: ICPMS-3_170814B			SeqNo: 3741164		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Beryllium	ND	0.21

Sample ID: ILCSS6 8/9/17	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW6020	Prep Date: 8/9/2017	Analysis Date: 8/12/2017		Run ID: ICPMS-3_170812A		SeqNo: 3739041		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum	21.63	8.3	20.83	0	104	80	120	0	0		
Antimony	10.02	0.83	10.42	0	96.2	80	120	0	0		
Arsenic	20.45	0.42	20.83	0	98.2	80	120	0	0		
Barium	20.45	0.42	20.83	0	98.1	80	120	0	0		
Cadmium	20.5	0.21	20.83	0	98.4	80	120	0	0		
Calcium	94.34	25	83.33	0	113	80	120	0	0		
Chromium	22.23	0.42	20.83	0	107	80	120	0	0		
Cobalt	22.03	0.42	20.83	0	106	80	120	0	0		
Copper	21.91	1.0	20.83	0	105	80	120	0	0		
Iron	91.96	12	83.33	0	110	80	120	0	0		
Lead	21.19	0.21	20.83	0	102	80	120	0	0		
Magnesium	93.77	12	83.33	0	113	80	120	0	0		
Manganese	21.7	0.42	20.83	0	104	80	120	0	0		
Nickel	22.04	0.42	20.83	0	106	80	120	0	0		
Potassium	91.9	12	83.33	0	110	80	120	0	0		
Selenium	20.67	0.42	20.83	0	99.2	80	120	0	0		
Silver	8.626	0.42	8.333	0	104	80	120	0	0		
Sodium	94.93	25	83.33	0	114	80	120	0	0		
Thallium	20.89	0.42	20.83	0	100	80	120	0	0		
Vanadium	21.79	0.42	20.83	0	105	80	120	0	0		
Zinc	20.96	2.1	20.83	0	101	80	120	0	0		

Sample ID: ILCSS6 8/9/17	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW6020	Prep Date: 8/9/2017	Analysis Date: 8/14/2017		Run ID: ICPMS-3_170814B			SeqNo: 3741165	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Beryllium	24.62	0.21	20.83	0	118	80	120	0	0

Sample ID: 17080266-052BMS	Customer ID: ZZZZZ	SampType: MS	Units: mg/Kg-dry	TestNo: SW6020	Prep Date: 8/9/2017	Analysis Date: 8/13/2017		Run ID: ICPMS-3_170813A			SeqNo: 3739262	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum	10620	20	24.93	10150	1860	75	125	0	0		S
Antimony	1.764	2.0	12.47	0	14.2	75	125	0	0		JS
Arsenic	33	1.0	24.93	9.391	94.7	75	125	0	0		
Barium	103.3	1.0	24.93	81	89.5	75	125	0	0		
Beryllium	26.58	0.50	24.93	0.5684	104	75	125	0	0		
Cadmium	24.53	0.50	24.93	0.2004	97.6	75	125	0	0		
Calcium	40290	60	99.72	38520	1780	75	125	0	0		S
Chromium	44.11	1.0	24.93	17.75	106	75	125	0	0		
Cobalt	33.56	1.0	24.93	8.979	98.6	75	125	0	0		
Copper	45.58	2.5	24.93	21.08	98.3	75	125	0	0		
Iron	22640	30	99.72	22320	318	75	125	0	0		S
Lead	37.68	0.50	24.93	12.42	101	75	125	0	0		
Magnesium	25730	30	99.72	25010	729	75	125	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102417

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080266-052BMS	ZZZZZ	MS	mg/Kg-dry	SW6020	8/9/2017	8/13/2017	ICPMS-3_170813A			3739262		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Manganese	421.5	1.0	24.93	418.8	10.6	75	125	0	0		S
Nickel	43.14	1.0	24.93	19.02	96.7	75	125	0	0		
Potassium	1689	30	99.72	1572	116	75	125	0	0		
Selenium	23.3	1.0	24.93	0	93.4	75	125	0	0		
Silver	9.596	1.0	9.972	0.06142	95.6	75	125	0	0		
Sodium	728.4	60	99.72	602.6	126	75	125	0	0		S
Thallium	25.44	1.0	24.93	0.3763	101	75	125	0	0		
Vanadium	55.25	1.0	24.93	29.76	102	75	125	0	0		
Zinc	85.24	5.0	24.93	60.86	97.8	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-052BMSD	ZZZZZ	MSD	mg/Kg-dry	SW6020	8/9/2017	8/13/2017	ICPMS-3_170813A				3739263	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum	10080	20	25.17	10150	-298	75	125	10620	5.20	20	S
Antimony	1.655	2.0	12.58	0	13.2	75	125	1.764	0	20	JS
Arsenic	31.52	1.0	25.17	9.391	87.9	75	125	33	4.59	20	
Barium	101.4	1.0	25.17	81	80.9	75	125	103.3	1.89	20	
Beryllium	24.91	0.50	25.17	0.5684	96.7	75	125	26.58	6.49	20	
Cadmium	23.58	0.50	25.17	0.2004	92.9	75	125	24.53	3.95	20	
Calcium	37510	60	100.7	38520	-1000	75	125	40290	7.15	20	S
Chromium	42.47	1.0	25.17	17.75	98.2	75	125	44.11	3.78	20	
Cobalt	32.85	1.0	25.17	8.979	94.8	75	125	33.56	2.15	20	
Copper	43.42	2.5	25.17	21.08	88.8	75	125	45.58	4.87	20	
Iron	21430	30	100.7	22320	-881	75	125	22640	5.46	20	S
Lead	35.92	0.50	25.17	12.42	93.4	75	125	37.68	4.78	20	
Magnesium	24330	30	100.7	25010	-668	75	125	25730	5.59	20	S
Manganese	413.6	1.0	25.17	418.8	-20.7	75	125	421.5	1.88	20	S
Nickel	41.42	1.0	25.17	19.02	89	75	125	43.14	4.06	20	
Potassium	1630	30	100.7	1572	56.9	75	125	1689	3.54	20	S
Selenium	22.53	1.0	25.17	0	89.5	75	125	23.3	3.32	20	
Silver	9.127	1.0	10.07	0.06142	90	75	125	9.596	5.01	20	
Sodium	681.8	60	100.7	602.6	78.6	75	125	728.4	6.61	20	
Thallium	24.36	1.0	25.17	0.3763	95.3	75	125	25.44	4.34	20	
Vanadium	53.31	1.0	25.17	29.76	93.6	75	125	55.25	3.57	20	
Zinc	81.6	5.0	25.17	60.86	82.4	75	125	85.24	4.36	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080286	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102457

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS1 8/10/17			1.2	0	0	50	41.667	8/10/2017	8/10/2017
ILCSS1 8/10/17			1.2	0	0	50	41.667	8/10/2017	8/10/2017
17080286-001B	Soil		1.173	0	0	50	42.626	8/10/2017	8/10/2017
17080286-002B	Soil		1.133	0	0	50	44.131	8/10/2017	8/10/2017
17080286-003B	Soil		1.138	0	0	50	43.937	8/10/2017	8/10/2017
17080286-004B	Soil		1.118	0	0	50	44.723	8/10/2017	8/10/2017
17080286-005B	Soil		1.155	0	0	50	43.290	8/10/2017	8/10/2017
17080286-006B	Soil		1.192	0	0	50	41.946	8/10/2017	8/10/2017
17080286-007B	Soil		1.165	0	0	50	42.918	8/10/2017	8/10/2017
17080286-008B	Soil		1.168	0	0	50	42.808	8/10/2017	8/10/2017
17080286-009B	Soil		1.194	0	0	50	41.876	8/10/2017	8/10/2017
17080286-010B	Soil		1.145	0	0	50	43.668	8/10/2017	8/10/2017
17080286-011B	Soil		1.142	0	0	50	43.783	8/10/2017	8/10/2017
17080286-012B	Soil		1.19	0	0	50	42.017	8/10/2017	8/10/2017
17080286-013B	Soil		1.167	0	0	50	42.845	8/10/2017	8/10/2017
17080286-014B	Soil		1.19	0	0	50	42.017	8/10/2017	8/10/2017
17080286-015B	Soil		1.121	0	0	50	44.603	8/10/2017	8/10/2017
17080286-016B	Soil		1.177	0	0	50	42.481	8/10/2017	8/10/2017
17080286-017B	Soil		1.11	0	0	50	45.045	8/10/2017	8/10/2017
17080286-018B	Soil		1.145	0	0	50	43.668	8/10/2017	8/10/2017
17080286-019B	Soil		1.191	0	0	50	41.982	8/10/2017	8/10/2017
17080286-020B	Soil		1.179	0	0	50	42.409	8/10/2017	8/10/2017
17080286-007BMS	Soil		1.165	0	0	50	42.918	8/10/2017	8/10/2017
17080286-007BMSD	Soil		1.164	0	0	50	42.955	8/10/2017	8/10/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBS1 8/10/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/10/2017	8/13/2017	ICPMS-3_170813A				3739287	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		0.4173	8.3									J
Antimony		ND	0.83									
Arsenic		ND	0.42									
Barium		ND	0.42									
Beryllium		ND	0.21									
Cadmium		ND	0.21									
Calcium		ND	25									
Chromium		ND	0.42									
Cobalt		ND	0.42									
Copper		ND	1.0									
Iron		ND	12									
Lead		ND	0.21									
Magnesium		ND	12									
Manganese		ND	0.42									
Nickel		ND	0.42									
Potassium		ND	12									
Selenium		ND	0.42									
Silver		ND	0.42									
Sodium		ND	25									

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102457

Sample ID: IMBS1 8/10/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/Kg	TestNo: SW6020	Prep Date: 8/10/2017	Analysis Date: 8/13/2017	Run ID: ICPMS-3_170813A				SeqNo: 3739287	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Thallium	ND	0.42
Vanadium	ND	0.42
Zinc	ND	2.1

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
ILCSS1 8/10/17	ZZZZZ	LCS	mg/Kg	SW6020	8/10/2017	8/13/2017			ICPMS-3_170813A		3739288	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum	20.32	8.3	20.83	0.4173	95.5	80	120	0	0
Antimony	9.458	0.83	10.42	0	90.8	80	120	0	0
Arsenic	19.84	0.42	20.83	0	95.2	80	120	0	0
Barium	19.03	0.42	20.83	0	91.3	80	120	0	0
Beryllium	20.12	0.21	20.83	0	96.6	80	120	0	0
Cadmium	19.73	0.21	20.83	0	94.7	80	120	0	0
Calcium	83.97	25	83.33	0	101	80	120	0	0
Chromium	20.98	0.42	20.83	0	101	80	120	0	0
Cobalt	21.41	0.42	20.83	0	103	80	120	0	0
Copper	21.48	1.0	20.83	0	103	80	120	0	0
Iron	87.06	12	83.33	0	104	80	120	0	0
Lead	19.93	0.21	20.83	0	95.7	80	120	0	0
Magnesium	84.45	12	83.33	0	101	80	120	0	0
Manganese	20.37	0.42	20.83	0	97.8	80	120	0	0
Nickel	21.56	0.42	20.83	0	104	80	120	0	0
Potassium	81.36	12	83.33	0	97.6	80	120	0	0
Selenium	19.28	0.42	20.83	0	92.5	80	120	0	0
Silver	7.959	0.42	8.333	0	95.5	80	120	0	0
Sodium	86.32	25	83.33	0	104	80	120	0	0
Thallium	19.48	0.42	20.83	0	93.5	80	120	0	0
Vanadium	20.45	0.42	20.83	0	98.2	80	120	0	0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
ILCSS1 8/10/17	ZZZZZ	LCS	mg/Kg	SW6020	8/10/2017	8/14/2017			ICPMS-3_170814B		3741161	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Zinc	21.57	2.1	20.83	0	104	80	120	0	0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080286-007BMS	2531V-14-03 (6-12)	MS	mg/Kg-dry	SW6020	8/10/2017	8/13/2017		ICPMS-3_170813A		3739296		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum	10480	21	26.36	9212	4800	75	125	0	0		S
Antimony	1.492	2.1	13.18	0	11.3	75	125	0	0		JS
Arsenic	33.36	1.1	26.36	8.524	94.2	75	125	0	0		
Barium	117.5	1.1	26.36	89.26	107	75	125	0	0		
Beryllium	26.71	0.53	26.36	0.5399	99.3	75	125	0	0		
Cadmium	25.26	0.53	26.36	0.2109	95	75	125	0	0		
Calcium	48790	63	105.5	47300	1420	75	125	0	0		S
Chromium	43.68	1.1	26.36	16.42	103	75	125	0	0		
Cobalt	38.69	1.1	26.36	8.979	113	75	125	0	0		
Copper	45.94	2.6	26.36	20.07	98.1	75	125	0	0		
Iron	19720	32	105.5	18950	728	75	125	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102457

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080286-007BMS	2531V-14-03 (6-12)	MS	mg/Kg-dry	SW6020	8/10/2017	8/13/2017	ICPMS-3_170813A			3739296		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead	40.07	0.53	26.36	12.17	106	75	125	0	0		
Magnesium	23770	32	105.5	23450	306	75	125	0	0		S
Manganese	538.4	1.1	26.36	369.6	641	75	125	0	0		S
Nickel	47.28	1.1	26.36	17.39	113	75	125	0	0		
Potassium	1579	32	105.5	1331	235	75	125	0	0		S
Selenium	24.75	1.1	26.36	0	93.9	75	125	0	0		
Silver	9.82	1.1	10.55	0.04449	92.7	75	125	0	0		
Sodium	931	63	105.5	799	125	75	125	0	0		S
Thallium	26.01	1.1	26.36	0.3257	97.4	75	125	0	0		
Vanadium	52.76	1.1	26.36	25.12	105	75	125	0	0		
Zinc	82.92	5.3	26.36	57.27	97.3	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-007BMSD	2531V-14-03 (6-12)	MSD	mg/Kg-dry	SW6020	8/10/2017	8/13/2017	ICPMS-3_170813A				3739297	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum	10220	21	26.39	9212	3810	75	125	10480	2.52	20	S
Antimony	1.792	2.1	13.19	0	13.6	75	125	1.492	0	20	JS
Arsenic	36.33	1.1	26.39	8.524	105	75	125	33.36	8.50	20	
Barium	119.2	1.1	26.39	89.26	114	75	125	117.5	1.44	20	
Beryllium	26.44	0.53	26.39	0.5399	98.1	75	125	26.71	1.04	20	
Cadmium	27.39	0.53	26.39	0.2109	103	75	125	25.26	8.11	20	
Calcium	52680	63	105.5	47300	5100	75	125	48790	7.65	20	S
Chromium	47.71	1.1	26.39	16.42	119	75	125	43.68	8.82	20	
Cobalt	40.55	1.1	26.39	8.979	120	75	125	38.69	4.71	20	
Copper	50.36	2.6	26.39	20.07	115	75	125	45.94	9.18	20	
Iron	21320	32	105.5	18950	2240	75	125	19720	7.80	20	S
Lead	40.53	0.53	26.39	12.17	107	75	125	40.07	1.14	20	
Magnesium	25900	32	105.5	23450	2320	75	125	23770	8.57	20	S
Manganese	480.6	1.1	26.39	369.6	421	75	125	538.4	11.4	20	S
Nickel	48.08	1.1	26.39	17.39	116	75	125	47.28	1.68	20	
Potassium	1731	32	105.5	1331	379	75	125	1579	9.21	20	S
Selenium	25.27	1.1	26.39	0	95.8	75	125	24.75	2.04	20	
Silver	9.811	1.1	10.55	0.04449	92.5	75	125	9.82	0.0873	20	
Sodium	1008	63	105.5	799	198	75	125	931	7.96	20	S
Thallium	26.65	1.1	26.39	0.3257	99.8	75	125	26.01	2.43	20	
Vanadium	57.19	1.1	26.39	25.12	122	75	125	52.76	8.07	20	
Zinc	90.5	5.3	26.39	57.27	126	75	125	82.92	8.75	20	S

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080286	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102459

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS2 8/10/17			1.2	0	0	50	41.667	8/10/2017	8/10/2017
ILCSS2 8/10/17			1.2	0	0	50	41.667	8/10/2017	8/10/2017
17080286-021B	Soil		1.159	0	0	50	43.141	8/10/2017	8/10/2017
17080286-022B	Soil		1.127	0	0	50	44.366	8/10/2017	8/10/2017
17080286-023B	Soil		1.117	0	0	50	44.763	8/10/2017	8/10/2017
17080286-024B	Soil		1.171	0	0	50	42.699	8/10/2017	8/10/2017
17080286-025B	Soil		1.132	0	0	50	44.170	8/10/2017	8/10/2017
17080286-026B	Soil		1.181	0	0	50	42.337	8/10/2017	8/10/2017
17080286-027B	Soil		1.127	0	0	50	44.366	8/10/2017	8/10/2017
17080286-028B	Soil		1.173	0	0	50	42.626	8/10/2017	8/10/2017
17080286-029B	Soil		1.199	0	0	50	41.701	8/10/2017	8/10/2017
17080286-030B	Soil		1.147	0	0	50	43.592	8/10/2017	8/10/2017
17080286-031B	Soil		1.147	0	0	50	43.592	8/10/2017	8/10/2017
17080286-032B	Soil		1.11	0	0	50	45.045	8/10/2017	8/10/2017
17080286-033B	Soil		1.118	0	0	50	44.723	8/10/2017	8/10/2017
17080286-034B	Soil		1.177	0	0	50	42.481	8/10/2017	8/10/2017
17080286-035B	Soil		1.138	0	0	50	43.937	8/10/2017	8/10/2017
17080286-036B	Soil		1.127	0	0	50	44.366	8/10/2017	8/10/2017
17080286-037B	Soil		1.159	0	0	50	43.141	8/10/2017	8/10/2017
17080286-038B	Soil		1.197	0	0	50	41.771	8/10/2017	8/10/2017
17080286-039B	Soil		1.187	0	0	50	42.123	8/10/2017	8/10/2017
17080286-040B	Soil		1.184	0	0	50	42.230	8/10/2017	8/10/2017
17080286-039BMS	Soil		1.181	0	0	50	42.337	8/10/2017	8/10/2017
17080286-039BMSD	Soil		1.184	0	0	50	42.230	8/10/2017	8/10/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBS2 8/10/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/10/2017	8/14/2017	ICPMS-3_170814B				3741154	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		0.5964	8.3									J
Antimony		ND	0.83									
Arsenic		ND	0.42									
Barium		ND	0.42									
Beryllium		ND	0.21									
Cadmium		ND	0.21									
Calcium		ND	25									
Chromium		ND	0.42									
Cobalt		ND	0.42									
Copper		ND	1.0									
Iron		ND	12									
Lead		ND	0.21									
Magnesium		ND	12									
Manganese		ND	0.42									
Nickel		ND	0.42									
Potassium		12.65	17									J
Selenium		ND	0.42									
Silver		ND	0.42									
Sodium		9.907	25									J

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

Sample ID: IMBS2 8/10/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/Kg	TestNo: SW6020	Prep Date: 8/10/2017	Analysis Date: 8/14/2017	Run ID: ICPMS-3_170814B				SeqNo: 3741154	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Thallium		ND	0.42									
Vanadium		ND	0.42									
Zinc		ND	2.1									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
ILCSS2 8/10/17	ZZZZZ	LCS	mg/Kg	SW6020	8/10/2017	8/14/2017	ICPMS-3_170814B				3741155	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		24.08	8.3	20.83	0.5964	113	80	120	0	0		
Antimony		10.55	0.83	10.42	0	101	80	120	0	0		
Arsenic		21.78	0.42	20.83	0	105	80	120	0	0		
Barium		21.33	0.42	20.83	0	102	80	120	0	0		
Beryllium		23.81	0.21	20.83	0	114	80	120	0	0		
Cadmium		22.17	0.21	20.83	0	106	80	120	0	0		
Calcium		101.1	25	83.33	0	121	80	120	0	0		S
Chromium		23.72	0.42	20.83	0	114	80	120	0	0		
Cobalt		23.8	0.42	20.83	0	114	80	120	0	0		
Copper		23.56	1.0	20.83	0	113	80	120	0	0		
Iron		97.44	12	83.33	0	117	80	120	0	0		
Lead		21.99	0.21	20.83	0	106	80	120	0	0		
Magnesium		103.3	12	83.33	0	124	80	120	0	0		S
Manganese		23.19	0.42	20.83	0	111	80	120	0	0		
Nickel		23.94	0.42	20.83	0	115	80	120	0	0		
Potassium		109	17	83.33	12.65	116	80	120	0	0		
Selenium		21.03	0.42	20.83	0	101	80	120	0	0		
Silver		9.038	0.42	8.333	0	108	80	120	0	0		
Sodium		114.9	25	83.33	9.907	126	80	120	0	0		S
Thallium		22.05	0.42	20.83	0	106	80	120	0	0		
Vanadium		23.45	0.42	20.83	0	113	80	120	0	0		
Zinc		21.76	2.1	20.83	0	104	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080286-039BMS	2531V-56-11 (6-12)	MS	mg/Kg-dry	SW6020	8/10/2017	8/15/2017	ICPMS-3_170815A			3742690		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		9093	42	25.97	9699	-2330	75	125	0	0		S
Antimony		2.051	4.2	12.99	0	15.8	75	125	0	0		JS
Arsenic		34.66	2.1	25.97	6.323	109	75	125	0	0		
Barium		130.1	2.1	25.97	86.24	169	75	125	0	0		S
Beryllium		28.97	1.0	25.97	0.6314	109	75	125	0	0		
Cadmium		27.39	1.0	25.97	0.2633	104	75	125	0	0		
Calcium		60440	120	103.9	65850	-5200	75	125	0	0		S
Chromium		44.82	2.1	25.97	18.35	102	75	125	0	0		
Cobalt		47.56	2.1	25.97	12.03	137	75	125	0	0		S
Copper		47.37	5.2	25.97	19.91	106	75	125	0	0		
Iron		20290	62	103.9	18580	1650	75	125	0	0		S
Lead		42.51	1.0	25.97	13.57	111	75	125	0	0		
Magnesium		27410	62	103.9	30890	-3350	75	125	0	0		S
Manganese		594.5	2.1	25.97	341.8	973	75	125	0	0		S
Nickel		53.58	2.1	25.97	20.07	129	75	125	0	0		S

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102459

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080286-039BMS	2531V-56-11 (6-12)	MS	mg/Kg-dry	SW6020	8/10/2017	8/15/2017	ICPMS-3_170815A			3742690		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Potassium	1679	62	103.9	1737	-55.8	75	125	0	0		S
Selenium	26.57	2.1	25.97	0	102	75	125	0	0		
Silver	10.73	2.1	10.39	0.04728	103	75	125	0	0		
Sodium	1374	120	103.9	1366	7.24	75	125	0	0		S
Thallium	27.95	2.1	25.97	0.4302	106	75	125	0	0		
Vanadium	50.2	2.1	25.97	24.77	97.9	75	125	0	0		
Zinc	87.45	10	25.97	58.21	113	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080286-039BMSD	2531V-56-11 (6-12)	MSD	mg/Kg-dry	SW6020	8/10/2017	8/15/2017	ICPMS-3_170815A			3742691		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum	8856	41	25.91	9699	-3250	75	125	9093	2.64	20	S
Antimony	1.187	4.1	12.95	0	9.17	75	125	2.051	0	20	JS
Arsenic	31.13	2.1	25.91	6.323	95.8	75	125	34.66	10.7	20	
Barium	115.4	2.1	25.91	86.24	113	75	125	130.1	12.0	20	
Beryllium	25.43	1.0	25.91	0.6314	95.7	75	125	28.97	13.0	20	
Cadmium	24.54	1.0	25.91	0.2633	93.7	75	125	27.39	11.0	20	
Calcium	53550	120	103.6	65850	-11900	75	125	60440	12.1	20	S
Chromium	41.48	2.1	25.91	18.35	89.3	75	125	44.82	7.74	20	
Cobalt	40.95	2.1	25.91	12.03	112	75	125	47.56	14.9	20	
Copper	43.29	5.2	25.91	19.91	90.2	75	125	47.37	9.01	20	
Iron	19170	62	103.6	18580	570	75	125	20290	5.70	20	S
Lead	37	1.0	25.91	13.57	90.5	75	125	42.51	13.8	20	
Magnesium	24750	62	103.6	30890	-5930	75	125	27410	10.2	20	S
Manganese	524.2	2.1	25.91	341.8	704	75	125	594.5	12.6	20	S
Nickel	46.9	2.1	25.91	20.07	104	75	125	53.58	13.3	20	
Potassium	1635	62	103.6	1737	-98.1	75	125	1679	2.64	20	S
Selenium	24.06	2.1	25.91	0	92.9	75	125	26.57	9.89	20	
Silver	9.431	2.1	10.36	0.04728	90.6	75	125	10.73	12.8	20	
Sodium	1257	120	103.6	1366	-105	75	125	1374	8.88	20	S
Thallium	24.64	2.1	25.91	0.4302	93.4	75	125	27.95	12.6	20	
Vanadium	46.85	2.1	25.91	24.77	85.2	75	125	50.2	6.90	20	
Zinc	81.24	10	25.91	58.21	88.9	75	125	87.45	7.37	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102498

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 8/12/17			50	0	0	50	1.000	8/12/2017	8/12/2017
ILCSW1 8/12/17			50	0	0	50	1.000	8/12/2017	8/12/2017
IMBSPLP 8/10/17			50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-040B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-041B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-042B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-043B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-044B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-045B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-046B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-047B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-048B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-049B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-050B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-051B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-052B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-053B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-054B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-020B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-039B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-046BMS	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080266-046BMSD	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-001B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-002B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBSPLP 8/10/17	ZZZZZ	MBLK	mg/L	SW1312/6020	8/12/2017	8/16/2017	ICPMS-3_170815B				3744397	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		ND	0.0040									
Barium		ND	0.020									
Beryllium		ND	0.0020									
Cadmium		ND	0.0020									
Chromium		0.001764	0.0040									J
Cobalt		0.0001013	0.0040									J
Copper		ND	0.020									
Iron		0.01536	0.10									J
Lead		ND	0.0020									
Manganese		0.0004627	0.0040									J
Nickel		ND	0.0080									
Selenium		ND	0.0040									
Silver		ND	0.0040									
Zinc		0.005074	0.020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-046BMS	ZZZZZ	MS	mg/L	SW1312/6020	8/12/2017	8/15/2017	ICPMS-3_170815B				3743207	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Beryllium		0.4983	0.0020	0.5	0	99.7	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102498

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080266-046BMS	ZZZZZ	MS	mg/L	SW1312/6020	8/12/2017	8/16/2017	ICPMS-3_170815B			3744403		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5031	0.0040	0.5	0.003054	100	75	125	0	0		
Barium	0.4914	0.020	0.5	0.01155	96	75	125	0	0		
Cadmium	0.4994	0.0020	0.5	0	99.9	75	125	0	0		
Chromium	0.5263	0.0040	0.5	0.003745	105	75	125	0	0		
Cobalt	0.5415	0.0040	0.5	0.0008985	108	75	125	0	0		
Copper	0.5311	0.020	0.5	0.004582	105	75	125	0	0		
Iron	5.242	0.10	2	2.786	123	75	125	0	0		
Lead	0.5093	0.0020	0.5	0.0031	101	75	125	0	0		
Manganese	0.5257	0.0040	0.5	0.0221	101	75	125	0	0		
Nickel	0.5503	0.0080	0.5	0.003803	109	75	125	0	0		
Selenium	0.4885	0.0040	0.5	0	97.7	75	125	0	0		
Silver	0.1991	0.0040	0.2	0	99.5	75	125	0	0		
Zinc	0.5276	0.020	0.5	0.01279	103	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-046BMSD	ZZZZZ	MSD	mg/L	SW1312/6020	8/12/2017	8/15/2017	ICPMS-3_170815B				3743208	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Beryllium	0.4979	0.0020	0.5	0	99.6	75	125	0.4983	0.0775	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-046BMSD	ZZZZZ	MSD	mg/L	SW1312/6020	8/12/2017	8/16/2017	ICPMS-3_170815B				3744404	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4865	0.0040	0.5	0.003054	96.7	75	125	0.5031	3.34	20	
Barium	0.4818	0.020	0.5	0.01155	94	75	125	0.4914	1.98	20	
Cadmium	0.4872	0.0020	0.5	0	97.4	75	125	0.4994	2.47	20	
Chromium	0.5089	0.0040	0.5	0.003745	101	75	125	0.5263	3.36	20	
Cobalt	0.5273	0.0040	0.5	0.0008985	105	75	125	0.5415	2.65	20	
Copper	0.5207	0.020	0.5	0.004582	103	75	125	0.5311	1.98	20	
Iron	6.216	0.10	2	2.786	172	75	125	5.242	17.0	20	S
Lead	0.5006	0.0020	0.5	0.0031	99.5	75	125	0.5093	1.72	20	
Manganese	0.5094	0.0040	0.5	0.0221	97.5	75	125	0.5257	3.15	20	
Nickel	0.5368	0.0080	0.5	0.003803	107	75	125	0.5503	2.48	20	
Selenium	0.472	0.0040	0.5	0	94.4	75	125	0.4885	3.44	20	
Silver	0.1948	0.0040	0.2	0	97.4	75	125	0.1991	2.17	20	
Zinc	0.5206	0.020	0.5	0.01279	102	75	125	0.5276	1.33	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
IMBW1 8/12/17	ZZZZZ	MBLK	mg/L	SW6020	8/12/2017	8/16/2017		ICPMS-3_170815B		3744395		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.0005656	0.0040										J
Barium	ND	0.0040										
Beryllium	ND	0.0020										
Cadmium	ND	0.0020										
Chromium	0.001341	0.0040										J
Cobalt	ND	0.0040										
Copper	0.0008426	0.010										J
Iron	ND	0.10										
Lead	ND	0.0020										

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102498

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBW1 8/12/17	ZZZZZ	MBLK	mg/L	SW6020	8/12/2017	8/16/2017	ICPMS-3_170815B				3744395	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Manganese	ND	0.0040										
Nickel	0.001188	0.0040										J
Selenium	ND	0.0040										
Silver	ND	0.0040										
Zinc	0.003976	0.020										J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
ILCSW1 8/12/17	ZZZZZ	LCS	mg/L	SW6020	8/12/2017	8/16/2017		ICPMS-3_170815B		3744396		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5037	0.0040	0.5	0.0005656	101	80	120	0	0		
Barium	0.4827	0.0040	0.5	0	96.5	80	120	0	0		
Beryllium	0.4822	0.0020	0.5	0	96.4	80	120	0	0		
Cadmium	0.5097	0.0020	0.5	0	102	80	120	0	0		
Chromium	0.5302	0.0040	0.5	0.001341	106	80	120	0	0		
Cobalt	0.5516	0.0040	0.5	0	110	80	120	0	0		
Copper	0.5337	0.010	0.5	0.0008426	107	80	120	0	0		
Iron	2.195	0.10	2	0	110	80	120	0	0		
Lead	0.5091	0.0020	0.5	0	102	80	120	0	0		
Manganese	0.5021	0.0040	0.5	0	100	80	120	0	0		
Nickel	0.5565	0.0040	0.5	0.001188	111	80	120	0	0		
Selenium	0.4966	0.0040	0.5	0	99.3	80	120	0	0		
Silver	0.2019	0.0040	0.2	0	101	80	120	0	0		
Zinc	0.527	0.020	0.5	0.003976	105	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW4 8/12/17			50	0	0	50	1.000	8/12/2017	8/12/2017
ILCSW4 8/12/17			50	0	0	50	1.000	8/12/2017	8/12/2017
IMBSPLP 8/11/17			50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-003B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-003BMS	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-003BMSD	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-004B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-005B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-006B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-007B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-008B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-009B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-010B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-011B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-012B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-013B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-014B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-015B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-016B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-017B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-018B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-019B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-020B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017
17080286-021B	Soil		50	0	0	50	1.000	8/12/2017	8/12/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBSPLP 8/11/17	ZZZZZ	MBLK	mg/L	SW1312/6020	8/12/2017	8/16/2017	ICPMS_170816B				3745250	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		ND	0.0040									
Barium		ND	0.020									
Beryllium		ND	0.0020									
Cadmium		0.00048	0.0020									J
Chromium		0.00147	0.0040									J
Cobalt		ND	0.0040									
Copper		0.00681	0.020									J
Iron		ND	0.10									
Lead		ND	0.0020									
Manganese		ND	0.0040									
Nickel		0.00034	0.0080									J
Selenium		ND	0.0040									
Silver		ND	0.0040									
Zinc		0.04777	0.020									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-003BMS	2531V-14-02 (0-6)	MS	mg/L	SW1312/6020	8/12/2017	8/16/2017	ICPMS_170816B				3745253	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		0.4811	0.0040	0.5	0.00773	94.7	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102509

Sample ID: 17080286-003BMS	Customer ID: 2531V-14-02 (0-6)	SampType: MS	Units: mg/L	TestNo: SW1312/6020	Prep Date: 8/12/2017	Analysis Date: 8/16/2017			Run ID: ICPMS_170816B			SeqNo: 3745253	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual	

Barium	0.5433	0.020	0.5	0.03165	102	75	125	0	0		
Beryllium	0.4865	0.0020	0.5	0	97.3	75	125	0	0		
Cadmium	0.4784	0.0020	0.5	0	95.7	75	125	0	0		
Chromium	0.5172	0.0040	0.5	0.01024	101	75	125	0	0		
Cobalt	0.4958	0.0040	0.5	0.00135	98.9	75	125	0	0		
Copper	0.4852	0.020	0.5	0.01127	94.8	75	125	0	0		
Iron	7.169	0.10	2	5.076	105	75	125	0	0		
Lead	0.4842	0.0020	0.5	0.00218	96.4	75	125	0	0		
Manganese	0.5389	0.0040	0.5	0.0343	101	75	125	0	0		
Nickel	0.4617	0.0080	0.5	0.00495	91.4	75	125	0	0		
Selenium	0.4505	0.0040	0.5	0	90.1	75	125	0	0		
Silver	0.1973	0.0040	0.2	0	98.7	75	125	0	0		
Zinc	0.5169	0.020	0.5	0.05376	92.6	75	125	0	0		

Sample ID: 17080286-003BMSD	Customer ID: 2531V-14-02 (0-6)	SampType: MSD	Units: mg/L	TestNo: SW1312/6020	Prep Date: 8/12/2017	Analysis Date: 8/16/2017	Run ID: ICPMS_170816B			SeqNo: 3745254			
Analyte		Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4773	0.0040	0.5	0.00773	93.9	75	125	0.4811	0.793	20	
Barium	0.5755	0.020	0.5	0.03165	109	75	125	0.5433	5.76	20	
Beryllium	0.497	0.0020	0.5	0	99.4	75	125	0.4865	2.14	20	
Cadmium	0.4693	0.0020	0.5	0	93.9	75	125	0.4784	1.92	20	
Chromium	0.5302	0.0040	0.5	0.01024	104	75	125	0.5172	2.48	20	
Cobalt	0.4913	0.0040	0.5	0.00135	98	75	125	0.4958	0.912	20	
Copper	0.4841	0.020	0.5	0.01127	94.6	75	125	0.4852	0.227	20	
Iron	9.403	0.10	2	5.076	216	75	125	7.169	27.0	20	SR
Lead	0.4589	0.0020	0.5	0.00218	91.3	75	125	0.4842	5.37	20	
Manganese	0.5452	0.0040	0.5	0.0343	102	75	125	0.5389	1.16	20	
Nickel	0.4596	0.0080	0.5	0.00495	90.9	75	125	0.4617	0.456	20	
Selenium	0.4426	0.0040	0.5	0	88.5	75	125	0.4505	1.77	20	
Silver	0.1925	0.0040	0.2	0	96.2	75	125	0.1973	2.46	20	
Zinc	0.5115	0.020	0.5	0.05376	91.5	75	125	0.5169	1.05	20	

Sample ID: IMBW4 8/12/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW6020	Prep Date: 8/12/2017	Analysis Date: 8/16/2017		Run ID: ICPMS_170816B			SeqNo: 3745248	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040									
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	ND	0.0040									
Cobalt	ND	0.0040									
Copper	0.00504	0.010									J
Iron	ND	0.10									
Lead	ND	0.0020									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Selenium	ND	0.0040									
Silver	ND	0.0040									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080286	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102509

Sample ID: IMBW4 8/12/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW6020	Prep Date: 8/12/2017	Analysis Date: 8/16/2017	Run ID: ICPMS_170816B				SeqNo: 3745248	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Zinc	0.01115	0.020											J

Sample ID: ILCSW4 8/12/17	Customer ID: ZZZZZ	SampType: LCS	Units: mg/L	TestNo: SW6020	Prep Date: 8/12/2017	Analysis Date: 8/16/2017		Run ID: ICPMS_170816B			SeqNo: 3745249	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4832	0.0040	0.5	0	96.6	80	120	0	0
Barium	0.5041	0.0040	0.5	0	101	80	120	0	0
Beryllium	0.5159	0.0020	0.5	0	103	80	120	0	0
Cadmium	0.4877	0.0020	0.5	0	97.5	80	120	0	0
Chromium	0.508	0.0040	0.5	0	102	80	120	0	0
Cobalt	0.4915	0.0040	0.5	0	98.3	80	120	0	0
Copper	0.4852	0.010	0.5	0.00504	96	80	120	0	0
Iron	2.095	0.10	2	0	105	80	120	0	0
Lead	0.4859	0.0020	0.5	0	97.2	80	120	0	0
Manganese	0.5034	0.0040	0.5	0	101	80	120	0	0
Nickel	0.4588	0.0040	0.5	0	91.8	80	120	0	0
Selenium	0.4716	0.0040	0.5	0	94.3	80	120	0	0
Silver	0.1987	0.0040	0.2	0	99.4	80	120	0	0
Zinc	0.5267	0.020	0.5	0.01115	103	80	120	0	0

Qualifiers:	ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits * - Non Accredited Parameter	S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits H/HT - Holding Time Exceeded	B - Analyte detected in the associated Method Blank E - Value above quantitation range

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080286	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102567

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 8/15/17			50	0	0	50	1.000	8/15/2017	8/15/2017
ILCSW1 8/15/17			50	0	0	50	1.000	8/15/2017	8/15/2017
IMBTA1 8/14/17			50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-042B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-043B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-044B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-045B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-046B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-047B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-048B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-049B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-050B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-051B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-053B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080266-054B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080286-001B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080279-001B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080279-002B	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080442-001A	Sludge		50	0	0	50	1.000	8/15/2017	8/15/2017
17080444-001A	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080277-001A	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080277-001AMS	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017
17080277-001AMSD	Soil		50	0	0	50	1.000	8/15/2017	8/15/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBTA1 8/14/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/15/2017	8/16/2017	ICPMS-3_170816A				3745381	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		ND	0.010									
Barium		0.005182	0.050									J
Beryllium		ND	0.0050									
Cadmium		ND	0.0050									
Chromium		0.005561	0.010									J
Cobalt		ND	0.010									
Copper		0.003715	0.10									J
Iron		ND	0.25									
Lead		ND	0.0050									
Manganese		0.0008162	0.010									J
Nickel		0.004096	0.020									J
Selenium		ND	0.010									
Silver		ND	0.010									
Zinc		0.01516	0.050									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080277-001AMS	ZZZZZ	MS	mg/L	SW1311/6020	8/15/2017	8/16/2017	ICPMS_170816A			3744694		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		0.4893	0.010	0.5	0	97.9	75	125	0	0		
Barium		1.278	0.050	0.5	0.7727	101	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102567

Sample ID: 17080277-001AMS	Customer ID: ZZZZZ	SampType: MS	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/15/2017	Analysis Date: 8/16/2017	Run ID: ICPMS_170816A				SeqNo: 3744694	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Beryllium	0.4623	0.0050	0.5	0	92.5	75	125	0	0		
Cadmium	0.446	0.0050	0.5	0.01845	85.5	75	125	0	0		
Chromium	0.5147	0.010	0.5	0.00747	101	75	125	0	0		
Cobalt	0.5391	0.010	0.5	0.04206	99.4	75	125	0	0		
Copper	3.387	0.10	0.5	2.905	96.4	75	125	0	0		
Iron	5.32	0.25	2	3.303	101	75	125	0	0		
Lead	0.7398	0.0050	0.5	0.2601	95.9	75	125	0	0		
Manganese	9.424	0.010	0.5	8.832	118	75	125	0	0		
Nickel	0.6131	0.020	0.5	0.1463	93.4	75	125	0	0		
Selenium	0.4529	0.010	0.5	0	90.6	75	125	0	0		
Silver	0.1955	0.010	0.2	0	97.8	75	125	0	0		
Zinc	2.692	0.050	0.5	2.277	83	75	125	0	0		B

Sample ID: 17080277-001AMSD	Customer ID: ZZZZZ	SampType: MSD	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/15/2017	Analysis Date: 8/16/2017	Run ID: ICPMS_170816A			SeqNo: 3744695		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4983	0.010	0.5	0	99.7	75	125	0.4893	1.82	20	
Barium	1.317	0.050	0.5	0.7727	109	75	125	1.278	3.01	20	
Beryllium	0.4521	0.0050	0.5	0	90.4	75	125	0.4623	2.23	20	
Cadmium	0.4391	0.0050	0.5	0.01845	84.1	75	125	0.446	1.56	20	
Chromium	0.5295	0.010	0.5	0.00747	104	75	125	0.5147	2.83	20	
Cobalt	0.5453	0.010	0.5	0.04206	101	75	125	0.5391	1.14	20	
Copper	3.547	0.10	0.5	2.905	128	75	125	3.387	4.61	20	S
Iron	5.461	0.25	2	3.303	108	75	125	5.32	2.62	20	
Lead	0.7216	0.0050	0.5	0.2601	92.3	75	125	0.7398	2.49	20	
Manganese	9.91	0.010	0.5	8.832	216	75	125	9.424	5.03	20	S
Nickel	0.6168	0.020	0.5	0.1463	94.1	75	125	0.6131	0.602	20	
Selenium	0.4541	0.010	0.5	0	90.8	75	125	0.4529	0.265	20	
Silver	0.1935	0.010	0.2	0	96.8	75	125	0.1955	1.03	20	
Zinc	2.773	0.050	0.5	2.277	99.2	75	125	2.692	2.96	20	B

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
IMBW1 8/15/17	ZZZZZ	MBLK	mg/L	SW6020	8/15/2017	8/16/2017		ICPMS-3_170816A			3745380	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040									
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	0.001499	0.0040									J
Cobalt	ND	0.0040									
Copper	ND	0.010									
Iron	0.01829	0.10									J
Lead	ND	0.0020									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Selenium	ND	0.0040									
Silver	ND	0.0040									
Zinc	0.00327	0.020									J

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080286	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102567

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
ILCSW1 8/15/17	ZZZZZ	LCS	mg/L	SW6020	8/15/2017	8/16/2017	ICPMS_170816A				3744690	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		0.482	0.0040	0.5	0	96.4	80	120	0	0		
Barium		0.4955	0.0040	0.5	0	99.1	80	120	0	0		
Beryllium		0.5157	0.0020	0.5	0	103	80	120	0	0		
Cadmium		0.4931	0.0020	0.5	0	98.6	80	120	0	0		
Chromium		0.4956	0.0040	0.5	0.001499	98.8	80	120	0	0		
Cobalt		0.4937	0.0040	0.5	0	98.7	80	120	0	0		
Copper		0.4788	0.010	0.5	0	95.8	80	120	0	0		
Iron		2.111	0.10	2	0.01829	105	80	120	0	0		
Lead		0.4591	0.0020	0.5	0	91.8	80	120	0	0		
Manganese		0.4956	0.0040	0.5	0	99.1	80	120	0	0		
Nickel		0.4649	0.0040	0.5	0	93	80	120	0	0		
Selenium		0.4712	0.0040	0.5	0	94.2	80	120	0	0		
Silver		0.1991	0.0040	0.2	0	99.6	80	120	0	0		
Zinc		0.6051	0.020	0.5	0.00327	120	80	120	0	0		S

Qualifiers:	ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits * - Non Accredited Parameter	S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits H/HT - Holding Time Exceeded
	B - Analyte detected in the associated Method Blank E - Value above quantitation range	

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080286	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102609

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 8/16/17			50	0	0	50	1.000	8/16/2017	8/16/2017
ILCSW1 8/16/17			50	0	0	50	1.000	8/16/2017	8/16/2017
IMBSPLP 8/14/17			50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-022B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-023B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-024B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-025B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-026B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-027B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-028B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-029B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-030B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-031B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-032B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-033B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-034B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-035B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-036B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-037B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-038B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-039B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-040B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-040BMS	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-040BMSD	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBSPLP 8/14/17	ZZZZZ	MBLK	mg/L	SW1312/6020	8/16/2017	8/17/2017	ICPMS_170816B				3745308	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		ND	0.0040									
Barium		ND	0.020									
Beryllium		ND	0.0020									
Cadmium		0.00047	0.0020									J
Chromium		0.00182	0.0040									J
Cobalt		ND	0.0040									
Copper		ND	0.020									
Iron		0.03728	0.10									J
Lead		ND	0.0020									
Manganese		0.00022	0.0040									J
Nickel		0.00119	0.0080									J
Selenium		ND	0.0040									
Silver		ND	0.0040									
Zinc		0.02457	0.040									J
Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBSPLP 8/14/17	ZZZZZ	MBLK	mg/L	SW1312/6020	8/16/2017	8/17/2017	ICPMS_170817A				3746064	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Beryllium		0.00027	0.0020									J

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102609

Sample ID: 17080286-040BMS	Customer ID: 2531V-56-11 (12-1	SampType: MS	Units: mg/L	TestNo: SW1312/6020	Prep Date: 8/16/2017	Analysis Date: 8/17/2017	Run ID: ICPMS_170816B				SeqNo: 3745311	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4773	0.0040	0.5	0	95.5	75	125	0	0		
Barium	0.5451	0.020	0.5	0.0431	100	75	125	0	0		
Cadmium	0.4754	0.0020	0.5	0	95.1	75	125	0	0		
Chromium	0.5124	0.0040	0.5	0.00217	102	75	125	0	0		
Cobalt	0.4915	0.0040	0.5	0.00033	98.2	75	125	0	0		
Copper	0.4729	0.020	0.5	0.00631	93.3	75	125	0	0		
Iron	3.001	0.10	2	0.9543	102	75	125	0	0		
Lead	0.4435	0.0020	0.5	0	88.7	75	125	0	0		
Manganese	0.5506	0.0040	0.5	0.04213	102	75	125	0	0		
Nickel	0.4517	0.0080	0.5	0.003	89.7	75	125	0	0		
Selenium	0.4535	0.0040	0.5	0	90.7	75	125	0	0		
Silver	0.1902	0.0040	0.2	0	95.1	75	125	0	0		
Zinc	0.4859	0.040	0.5	0.02966	91.2	75	125	0	0		

Sample ID: 17080286-040BMS	Customer ID: 2531V-56-11 (12-1	SampType: MS	Units: mg/L	TestNo: SW1312/6020	Prep Date: 8/16/2017	Analysis Date: 8/17/2017	Run ID: ICPMS_170817A				SeqNo: 3746069	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Beryllium	0.5279	0.0020	0.5	0	106	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
17080286-040BMSD	2531V-56-11 (12-1	MSD	mg/L	SW1312/6020	8/16/2017	8/17/2017			ICPMS_170816B		3745312	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4734	0.0040	0.5	0	94.7	75	125	0.4773	0.820	20
Barium	0.534	0.020	0.5	0.0431	98.2	75	125	0.5451	2.06	20
Cadmium	0.4665	0.0020	0.5	0	93.3	75	125	0.4754	1.89	20
Chromium	0.509	0.0040	0.5	0.00217	101	75	125	0.5124	0.666	20
Cobalt	0.487	0.0040	0.5	0.00033	97.3	75	125	0.4915	0.920	20
Copper	0.4683	0.020	0.5	0.00631	92.4	75	125	0.4729	0.977	20
Iron	2.978	0.10	2	0.9543	101	75	125	3.001	0.769	20
Lead	0.4431	0.0020	0.5	0	88.6	75	125	0.4435	0.0902	20
Manganese	0.5413	0.0040	0.5	0.04213	99.8	75	125	0.5506	1.70	20
Nickel	0.4502	0.0080	0.5	0.003	89.4	75	125	0.4517	0.333	20
Selenium	0.4531	0.0040	0.5	0	90.6	75	125	0.4535	0.0882	20
Silver	0.1865	0.0040	0.2	0	93.2	75	125	0.1902	1.96	20
Zinc	0.4816	0.040	0.5	0.02966	90.4	75	125	0.4859	0.889	20

Sample ID: 17080286-040BMSD	Customer ID: 2531V-56-11 (12-1	SampType: MSD	Units: mg/L	TestNo: SW1312/6020	Prep Date: 8/16/2017	Analysis Date: 8/17/2017	Run ID: ICPMS_170817A				SeqNo: 3746070	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Beryllium	0.5152	0.0020	0.5	0	103	75	125	0.5034	2.32	20

Sample ID: IMBW1 8/16/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW6020	Prep Date: 8/16/2017	Analysis Date: 8/16/2017		Run ID: ICPMS_170816B			SeqNo: 3745306	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040
Barium	ND	0.0040
Cadmium	ND	0.0020

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102609

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
IMBW1 8/16/17	ZZZZZ	MBLK	mg/L	SW6020	8/16/2017	8/16/2017	ICPMS_170816B			3745306		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chromium	ND	0.0040										
Cobalt	ND	0.0040										
Copper	ND	0.010										
Iron	0.02643	0.10										J
Lead	ND	0.0020										
Manganese	ND	0.0040										
Nickel	0.00116	0.0040										J
Selenium	ND	0.0040										
Silver	ND	0.0040										
Zinc	0.02994	0.040										J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
IMBW1 8/16/17	ZZZZZ	MBLK	mg/L	SW6020	8/16/2017	8/17/2017	ICPMS_170817A			3746062		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Beryllium	ND	0.0020										

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
ILCSW1 8/16/17	ZZZZZ	LCS	mg/L	SW6020	8/16/2017	8/17/2017		ICPMS_170816B		3745307		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4893	0.0040	0.5	0	97.9	80	120	0	0			
Barium	0.5094	0.0040	0.5	0	102	80	120	0	0			
Beryllium	0.5128	0.0020	0.5	0	103	80	120	0	0			
Cadmium	0.4968	0.0020	0.5	0	99.4	80	120	0	0			
Chromium	0.5201	0.0040	0.5	0	104	80	120	0	0			
Cobalt	0.5053	0.0040	0.5	0	101	80	120	0	0			
Copper	0.4917	0.010	0.5	0	98.3	80	120	0	0			
Iron	2.141	0.10	2	0.02643	106	80	120	0	0			
Lead	0.4603	0.0020	0.5	0	92.1	80	120	0	0			
Manganese	0.5228	0.0040	0.5	0	105	80	120	0	0			
Nickel	0.4737	0.0040	0.5	0.00116	94.5	80	120	0	0			
Selenium	0.4822	0.0040	0.5	0	96.4	80	120	0	0			
Silver	0.1993	0.0040	0.2	0	99.7	80	120	0	0			
Zinc	0.5135	0.040	0.5	0.02994	96.7	80	120	0	0			

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
ILCSW1 8/16/17	ZZZZZ	LCS	mg/L	SW6020	8/16/2017	8/17/2017			ICPMS_170817A		3746063	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Beryllium	0.5636	0.0020	0.5	0	113	80	120	0	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW2 8/16/17			50	0	0	50	1.000	8/16/2017	8/16/2017
ILCSW2 8/16/17			50	0	0	50	1.000	8/16/2017	8/16/2017
IMBSPLP2 8/14/17			50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-041B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-041BMS	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-041BMSD	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-042B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-043B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
IMBTA2 8/14/17			50	0	0	50	1.000	8/16/2017	8/16/2017
17080445-002A	Solid		50	0	0	50	1.000	8/16/2017	8/16/2017
17080449-001A	Solid		50	0	0	50	1.000	8/16/2017	8/16/2017
17080449-001AMS	Solid		50	0	0	50	1.000	8/16/2017	8/16/2017
17080266-052B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080266-052BMS	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
IMBTB 8/14/17			50	0	0	50	1.000	8/16/2017	8/16/2017
17070780-001B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
IMBTA2 8/15/17			50	0	0	50	1.000	8/17/2017	8/17/2017
17080527-001A	Solid		50	0	0	50	1.000	8/17/2017	8/17/2017
17080528-001A	Solid		50	0	0	50	1.000	8/17/2017	8/17/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBSPLP2 8/14/17	ZZZZZ	MBLK	mg/L	SW1312/6020	8/16/2017	8/16/2017	ICPMS_170816B				3745280	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040										
Barium	ND	0.020										
Beryllium	ND	0.0020										
Cadmium	ND	0.0020										
Chromium	0.00134	0.0040										J
Cobalt	ND	0.0040										
Copper	ND	0.020										
Iron	0.0171	0.10										J
Lead	ND	0.0020										
Manganese	ND	0.0040										
Nickel	0.00028	0.0080										J
Selenium	ND	0.0040										
Silver	ND	0.0040										
Zinc	0.02835	0.040										J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-041BMS	2531V-DUP-03	MS	mg/L	SW1312/6020	8/16/2017	8/16/2017	ICPMS_170816B				3745285	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4827	0.0040	0.5	0	96.5	75	125	0	0		
Barium	0.5477	0.020	0.5	0.03734	102	75	125	0	0		
Beryllium	0.4937	0.0020	0.5	0	98.7	75	125	0	0		
Cadmium	0.4813	0.0020	0.5	0	96.3	75	125	0	0		
Chromium	0.5168	0.0040	0.5	0.00101	103	75	125	0	0		
Cobalt	0.4978	0.0040	0.5	0.00035	99.5	75	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
* - Non Accredited Parameter
H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102610

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-041BMS	2531V-DUP-03	MS	mg/L	SW1312/6020	8/16/2017	8/16/2017	ICPMS_170816B				3745285	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper	0.4797	0.020	0.5	0.00279	95.4	75	125	0	0		
Iron	2.319	0.10	2	0.2096	105	75	125	0	0		
Lead	0.4478	0.0020	0.5	0	89.6	75	125	0	0		
Manganese	0.6223	0.0040	0.5	0.1103	102	75	125	0	0		
Nickel	0.4577	0.0080	0.5	0.00246	91	75	125	0	0		
Selenium	0.4617	0.0040	0.5	0	92.3	75	125	0	0		
Silver	0.1945	0.0040	0.2	0	97.2	75	125	0	0		
Zinc	0.4929	0.040	0.5	0.02818	92.9	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-041BMSD	2531V-DUP-03	MSD	mg/L	SW1312/6020	8/16/2017	8/16/2017	ICPMS_170816B				3745286	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4758	0.0040	0.5	0	95.2	75	125	0.4827	1.44	20	
Barium	0.5351	0.020	0.5	0.03734	99.6	75	125	0.5477	2.33	20	
Beryllium	0.4976	0.0020	0.5	0	99.5	75	125	0.4937	0.787	20	
Cadmium	0.4759	0.0020	0.5	0	95.2	75	125	0.4813	1.13	20	
Chromium	0.5155	0.0040	0.5	0.00101	103	75	125	0.5168	0.252	20	
Cobalt	0.4958	0.0040	0.5	0.00035	99.1	75	125	0.4978	0.403	20	
Copper	0.4803	0.020	0.5	0.00279	95.5	75	125	0.4797	0.125	20	
Iron	2.309	0.10	2	0.2096	105	75	125	2.319	0.432	20	
Lead	0.4633	0.0020	0.5	0	92.7	75	125	0.4478	3.40	20	
Manganese	0.6178	0.0040	0.5	0.1103	102	75	125	0.6223	0.726	20	
Nickel	0.4625	0.0080	0.5	0.00246	92	75	125	0.4577	1.04	20	
Selenium	0.454	0.0040	0.5	0	90.8	75	125	0.4617	1.68	20	
Silver	0.1898	0.0040	0.2	0	94.9	75	125	0.1945	2.45	20	
Zinc	0.4908	0.040	0.5	0.02818	92.5	75	125	0.4929	0.427	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
IMBTA2 8/14/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/16/2017	8/16/2017	ICPMS_170816B			3745289		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.010									
Barium	ND	0.050									
Beryllium	ND	0.0050									
Cadmium	ND	0.0050									
Chromium	0.00768	0.010									J
Cobalt	ND	0.010									
Copper	0.02449	0.10									J
Iron	ND	0.25									
Lead	ND	0.0050									
Manganese	ND	0.010									
Nickel	0.00353	0.020									J
Selenium	ND	0.010									
Silver	ND	0.010									
Zinc	0.01885	0.10									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
IMBTB 8/14/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/16/2017	8/16/2017	ICPMS_170816B			3745298		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102610

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
IMBTB 8/14/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/16/2017	8/16/2017	ICPMS_170816B			3745298		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.010									
Barium	0.00333	0.050									J
Beryllium	ND	0.0050									
Cadmium	ND	0.0050									
Chromium	0.00658	0.010									J
Cobalt	ND	0.010									
Copper	0.01569	0.10									J
Iron	ND	0.25									
Lead	ND	0.0050									
Manganese	ND	0.010									
Nickel	0.00544	0.020									J
Selenium	ND	0.010									
Silver	ND	0.010									
Zinc	0.02597	0.050									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080449-001AMS	ZZZZZ	MS	mg/L	SW1311/6020	8/16/2017	8/16/2017		ICPMS_170816B		3745295		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5066	0.010	0.5	0	101	75	125	0	0		
Barium	1.043	0.050	0.5	0.5309	102	75	125	0	0		
Beryllium	0.4535	0.0050	0.5	0	90.7	75	125	0	0		
Cadmium	0.4379	0.0050	0.5	0	87.6	75	125	0	0		
Chromium	0.5557	0.010	0.5	0.00759	110	75	125	0	0		
Cobalt	0.5364	0.010	0.5	0.01686	104	75	125	0	0		
Copper	0.5737	0.10	0.5	0.1026	94.2	75	125	0	0		
Iron	51.69	0.25	2	50.88	40.5	75	125	0	0		SE
Lead	0.5512	0.0050	0.5	0.03922	102	75	125	0	0		
Manganese	3.154	0.010	0.5	2.715	87.8	75	125	0	0		
Nickel	0.5671	0.020	0.5	0.08762	95.9	75	125	0	0		
Selenium	0.4792	0.010	0.5	0	95.8	75	125	0	0		
Silver	0.1786	0.010	0.2	0	89.3	75	125	0	0		
Zinc	1.644	0.10	0.5	1.259	77	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-052BMS	ZZZZZ	MS	mg/L	SW1311/6020	8/16/2017	8/16/2017	ICPMS_170816B				3745297	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5749	0.010	0.5	0	115	75	125	0	0		
Barium	1.275	0.050	0.5	0.6206	131	75	125	0	0		S
Beryllium	0.528	0.0050	0.5	0	106	75	125	0	0		
Cadmium	0.5319	0.0050	0.5	0.0038	106	75	125	0	0		
Chromium	0.6424	0.010	0.5	0.00857	127	75	125	0	0		S
Cobalt	0.6043	0.010	0.5	0.00334	120	75	125	0	0		
Copper	0.5563	0.10	0.5	0.0348	104	75	125	0	0		
Iron	5.061	0.25	2	2.232	141	75	125	0	0		S
Lead	0.5773	0.0050	0.5	0	115	75	125	0	0		
Manganese	4.683	0.010	0.5	3.8	177	75	125	0	0		S
Nickel	0.6226	0.020	0.5	0.05436	114	75	125	0	0		
Selenium	0.5461	0.010	0.5	0	109	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102610

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080266-052BMS	ZZZZZ	MS	mg/L	SW1311/6020	8/16/2017	8/16/2017	ICPMS_170816B			3745297		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Silver	0.2093	0.010	0.2	0	105	75	125	0	0		
Zinc	0.5389	0.050	0.5	0.04027	99.7	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
IMBW2 8/16/17	ZZZZZ	MBLK	mg/L	SW6020	8/16/2017	8/16/2017			ICPMS_170816B		3745278	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040										
Barium	ND	0.0040										
Beryllium	ND	0.0020										
Cadmium	ND	0.0020										
Chromium	ND	0.0040										
Cobalt	ND	0.0040										
Copper	ND	0.010										
Iron	0.01793	0.10										J
Lead	ND	0.0020										
Manganese	ND	0.0040										
Nickel	ND	0.0040										
Selenium	ND	0.0040										
Silver	ND	0.0040										
Zinc	0.03001	0.040										J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
ILCSW2 8/16/17	ZZZZZ	LCS	mg/L	SW6020	8/16/2017	8/16/2017			ICPMS_170816B		3745279	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4792	0.0040	0.5	0	95.8	80	120	0	0		
Barium	0.4937	0.0040	0.5	0	98.7	80	120	0	0		
Beryllium	0.5191	0.0020	0.5	0	104	80	120	0	0		
Cadmium	0.485	0.0020	0.5	0	97	80	120	0	0		
Chromium	0.5086	0.0040	0.5	0	102	80	120	0	0		
Cobalt	0.4976	0.0040	0.5	0	99.5	80	120	0	0		
Copper	0.4865	0.010	0.5	0	97.3	80	120	0	0		
Iron	2.121	0.10	2	0.01793	105	80	120	0	0		
Lead	0.4684	0.0020	0.5	0	93.7	80	120	0	0		
Manganese	0.5053	0.0040	0.5	0	101	80	120	0	0		
Nickel	0.4627	0.0040	0.5	0	92.5	80	120	0	0		
Selenium	0.4727	0.0040	0.5	0	94.5	80	120	0	0		
Silver	0.1933	0.0040	0.2	0	96.6	80	120	0	0		
Zinc	0.5104	0.040	0.5	0.03001	96.1	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW5 8/16/17			50	0	0	50	1.000	8/16/2017	8/16/2017
ILCSW5 8/16/17			50	0	0	50	1.000	8/16/2017	8/16/2017
IMBTB 8/15/17			50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-005B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-005BMS	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-005BMSD	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-011B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-013B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-015B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-016B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-017B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-018B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-021B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
IMBTA1 8/15/17			50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-002B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-002BMS	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-006B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-007B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-008B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-003B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-004B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-009B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-010B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-012B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-014B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-019B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080286-020B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBTA1 8/15/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/16/2017	8/17/2017	ICPMS-3_170816A				3745418	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		ND	0.010									
Barium		0.005079	0.050									J
Beryllium		ND	0.0050									
Cadmium		ND	0.0050									
Chromium		0.002039	0.010									J
Cobalt		ND	0.010									
Copper		ND	0.10									
Iron		ND	0.25									
Lead		0.0008079	0.0050									J
Manganese		0.001002	0.010									J
Nickel		0.001948	0.020									J
Selenium		ND	0.010									
Silver		ND	0.010									
Zinc		0.007402	0.050									J

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102630

Sample ID: 17080286-005BMS	Customer ID: 2531V-14-02 (12-1	SampType: MS	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/16/2017	Analysis Date: 8/17/2017	Run ID: ICPMS-3_170816A				SeqNo: 3745403	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.526	0.010	0.5	0	105	75	125	0	0		
Barium	0.7356	0.050	0.5	0.2793	91.3	75	125	0	0		
Beryllium	0.5401	0.0050	0.5	0	108	75	125	0	0		
Cadmium	0.5001	0.0050	0.5	0	100	75	125	0	0		
Chromium	0.5304	0.010	0.5	0.002724	106	75	125	0	0		
Cobalt	0.5804	0.010	0.5	0.05922	104	75	125	0	0		
Copper	0.587	0.10	0.5	0.09057	99.3	75	125	0	0		
Iron	2.725	0.25	2	0.7285	99.8	75	125	0	0		
Lead	0.4961	0.0050	0.5	0.004509	98.3	75	125	0	0		
Manganese	5.496	0.010	0.5	5.38	23.2	75	125	0	0		S
Nickel	0.5948	0.020	0.5	0.08422	102	75	125	0	0		
Selenium	0.522	0.010	0.5	0	104	75	125	0	0		
Silver	0.1873	0.010	0.2	0	93.7	75	125	0	0		
Zinc	0.5399	0.050	0.5	0.06591	94.8	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080286-002BMS	2531V-14-01 (5-9)	MS	mg/L	SW1311/6020	8/16/2017	8/17/2017		ICPMS-3_170816A		3745420		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5435	0.010	0.5	0	109	75	125	0	0		
Barium	0.7754	0.050	0.5	0.2851	98	75	125	0	0		
Beryllium	0.5354	0.0050	0.5	0	107	75	125	0	0		
Cadmium	0.5093	0.0050	0.5	0	102	75	125	0	0		
Chromium	0.5352	0.010	0.5	0	107	75	125	0	0		
Cobalt	0.5187	0.010	0.5	0.003607	103	75	125	0	0		
Copper	0.5021	0.10	0.5	0.008519	98.7	75	125	0	0		
Iron	2.079	0.25	2	0	104	75	125	0	0		
Lead	0.5118	0.0050	0.5	0	102	75	125	0	0		
Manganese	1.238	0.010	0.5	0.7398	99.7	75	125	0	0		
Nickel	0.5071	0.020	0.5	0.01075	99.3	75	125	0	0		
Selenium	0.5447	0.010	0.5	0	109	75	125	0	0		
Silver	0.1863	0.010	0.2	0	93.1	75	125	0	0		
Zinc	0.5091	0.050	0.5	0.02354	97.1	75	125	0	0		

Sample ID: 17080286-005BMSD	Customer ID: 2531V-14-02 (12-1	SampType: MSD	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/16/2017	Analysis Date: 8/17/2017	Run ID: ICPMS-3_170816A			SeqNo: 3745404		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5295	0.010	0.5	0	106	75	125	0.526	0.653	20	
Barium	0.7487	0.050	0.5	0.2793	93.9	75	125	0.7356	1.76	20	
Beryllium	0.52	0.0050	0.5	0	104	75	125	0.5401	3.79	20	
Cadmium	0.5048	0.0050	0.5	0	101	75	125	0.5001	0.927	20	
Chromium	0.546	0.010	0.5	0.002724	109	75	125	0.5304	2.89	20	
Cobalt	0.5816	0.010	0.5	0.05922	104	75	125	0.5804	0.205	20	
Copper	0.589	0.10	0.5	0.09057	99.7	75	125	0.587	0.330	20	
Iron	2.751	0.25	2	0.7285	101	75	125	2.725	0.946	20	
Lead	0.5035	0.0050	0.5	0.004509	99.8	75	125	0.4961	1.47	20	
Manganese	5.589	0.010	0.5	5.38	41.9	75	125	5.496	1.69	20	S
Nickel	0.5943	0.020	0.5	0.08422	102	75	125	0.5948	0.0838	20	
Selenium	0.537	0.010	0.5	0	107	75	125	0.522	2.83	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102630

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-005BMSD	2531V-14-02 (12-1	MSD	mg/L	SW1311/6020	8/16/2017	8/17/2017	ICPMS-3_170816A				3745404	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Silver	0.1888	0.010	0.2	0	94.4	75	125	0.1873	0.794	20
Zinc	0.5413	0.050	0.5	0.06591	95.1	75	125	0.5399	0.251	20

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
IMBW5 8/16/17	ZZZZZ	MBLK	mg/L	SW6020	8/16/2017	8/17/2017		ICPMS-3_170816A		3745394		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.0004974	0.0040										J
Barium	ND	0.0040										
Beryllium	ND	0.0020										
Cadmium	ND	0.0020										
Chromium	0.0008882	0.0040										J
Cobalt	ND	0.0040										
Copper	ND	0.010										
Iron	ND	0.10										
Lead	ND	0.0020										
Manganese	ND	0.0040										
Nickel	ND	0.0040										
Selenium	ND	0.0040										
Silver	ND	0.0040										
Zinc	ND	0.020										

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
IMBTB 8/15/17	ZZZZZ	MBLK	mg/L	SW6020	8/16/2017	8/17/2017			ICPMS-3_170816A		3745397	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.010										
Barium	0.003411	0.010										J
Beryllium	ND	0.0050										
Cadmium	ND	0.0050										
Chromium	0.002228	0.010										J
Cobalt	ND	0.010										
Copper	0.005264	0.025										J
Iron	ND	0.25										
Lead	ND	0.0050										
Manganese	ND	0.010										
Nickel	ND	0.010										
Selenium	ND	0.010										
Silver	ND	0.010										
Zinc	0.01085	0.050										J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
ILCSW5 8/16/17	ZZZZZ	LCS	mg/L	SW6020	8/16/2017	8/17/2017		ICPMS-3_170816A		3745395		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5124	0.0040	0.5	0.0004974	102	80	120	0	0		
Barium	0.483	0.0040	0.5	0	96.6	80	120	0	0		
Beryllium	0.5855	0.0020	0.5	0	117	80	120	0	0		
Cadmium	0.5314	0.0020	0.5	0	106	80	120	0	0		
Chromium	0.561	0.0040	0.5	0.0008882	112	80	120	0	0		
Cobalt	0.5634	0.0040	0.5	0	113	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080286	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102630

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
ILCSW5 8/16/17	ZZZZZ	LCS	mg/L	SW6020	8/16/2017	8/17/2017	ICPMS-3_170816A				3745395	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Copper	0.5633		0.010	0.5	0	113	80	120	0	0		
Iron	2.182		0.10	2	0	109	80	120	0	0		
Lead	0.5085		0.0020	0.5	0	102	80	120	0	0		
Manganese	0.514		0.0040	0.5	0	103	80	120	0	0		
Nickel	0.5727		0.0040	0.5	0	115	80	120	0	0		
Selenium	0.4876		0.0040	0.5	0	97.5	80	120	0	0		
Silver	0.2087		0.0040	0.2	0	104	80	120	0	0		
Zinc	0.5196		0.020	0.5	0	104	80	120	0	0		

Qualifiers:	ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits * - Non Accredited Parameter	S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits H/HT - Holding Time Exceeded	B - Analyte detected in the associated Method Blank E - Value above quantitation range

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080286	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102642

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 8/17/17			50	0	0	50	1.000	8/17/2017	8/17/2017
ILCSW1 8/17/17			50	0	0	50	1.000	8/17/2017	8/17/2017
IMBTB 8/16/17			50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-041B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-041BMS	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-041BMSD	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-030B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-031B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-034B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-043B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080304-001A	Solid		50	0	0	50	1.000	8/17/2017	8/17/2017
17080306-001A	Solid		50	0	0	50	1.000	8/17/2017	8/17/2017
17080308-001A	Solid		50	0	0	50	1.000	8/17/2017	8/17/2017
17080311-001A	Solid		10	0	0	50	5.000	8/17/2017	8/17/2017
IMBTC 8/17/17			50	0	0	50	1.000	8/17/2017	8/17/2017
17080375-009C	Aqueous		50	0	0	50	1.000	8/17/2017	8/17/2017
17080434-001A	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080582-001A	Aqueous		50	0	0	50	1.000	8/17/2017	8/17/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
IMBTB 8/16/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/17/2017	8/17/2017			ICPMS_170817B		3746695	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.010									
Barium	0.00359	0.050									J
Beryllium	ND	0.0050									
Cadmium	ND	0.0050									
Chromium	0.00499	0.010									J
Cobalt	ND	0.010									
Copper	0.00388	0.10									J
Iron	ND	0.25									
Lead	ND	0.0050									
Manganese	0.00087	0.010									J
Nickel	0.00136	0.020									J
Selenium	ND	0.010									
Silver	ND	0.010									
Zinc	0.02869	0.10									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBTC 8/17/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/17/2017	8/18/2017	ICPMS_170817C				3747077	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.010									
Barium	ND	0.050									
Beryllium	ND	0.0050									
Cadmium	ND	0.0050									
Chromium	ND	0.010									
Cobalt	ND	0.010									
Copper	ND	0.10									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102642

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
IMBTC 8/17/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/17/2017	8/18/2017		ICPMS_170817C		3747077		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Iron	0.03818	0.25									J
Lead	ND	0.0050									
Manganese	0.00104	0.010									J
Nickel	0.00084	0.020									J
Selenium	ND	0.010									
Silver	ND	0.010									
Zinc	0.02453	0.050									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080286-041BMS	2531V-DUP-03	MS	mg/L	SW1311/6020	8/17/2017	8/17/2017		ICPMS_170817C		3747066		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.52	0.010	0.5	0.00531	103	75	125	0	0		
Barium	1.164	0.050	0.5	0.626	108	75	125	0	0		
Beryllium	0.5063	0.0050	0.5	0.00162	101	75	125	0	0		
Cadmium	0.4916	0.0050	0.5	0.00483	97.4	75	125	0	0		
Chromium	0.5476	0.010	0.5	0.00741	108	75	125	0	0		
Cobalt	0.6276	0.010	0.5	0.09938	106	75	125	0	0		
Copper	0.5	0.10	0.5	0.00638	98.7	75	125	0	0		
Lead	0.5744	0.0050	0.5	0.02369	110	75	125	0	0		
Manganese	8.793	0.010	0.5	8.145	130	75	125	0	0		S
Nickel	0.7176	0.020	0.5	0.2027	103	75	125	0	0		
Selenium	0.5019	0.010	0.5	0	100	75	125	0	0		
Silver	0.1965	0.010	0.2	0	98.2	75	125	0	0		
Zinc	1.236	0.050	0.5	0.7673	93.7	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080286-041BMS	2531V-DUP-03	MS	mg/L	SW1311/6020	8/17/2017	8/18/2017		ICPMS_170817C		3747238		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Iron	118.9	5.0	2	112.8	305	75	125	0	0		S

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080286-041BMSD	2531V-DUP-03	MSD	mg/L	SW1311/6020	8/17/2017	8/17/2017		ICPMS_170817C		3747067		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5228	0.010	0.5	0.00531	103	75	125	0.52	0.537	20	
Barium	1.171	0.050	0.5	0.626	109	75	125	1.164	0.600	20	
Beryllium	0.5006	0.0050	0.5	0.00162	99.8	75	125	0.5063	1.13	20	
Cadmium	0.4959	0.0050	0.5	0.00483	98.2	75	125	0.4916	0.871	20	
Chromium	0.5591	0.010	0.5	0.00741	110	75	125	0.5476	2.08	20	
Cobalt	0.6373	0.010	0.5	0.09938	108	75	125	0.6276	1.53	20	
Copper	0.5057	0.10	0.5	0.00638	99.9	75	125	0.5	1.13	20	
Lead	0.5728	0.0050	0.5	0.02369	110	75	125	0.5744	0.279	20	
Manganese	8.967	0.010	0.5	8.145	164	75	125	8.793	1.96	20	S
Nickel	0.7278	0.020	0.5	0.2027	105	75	125	0.7176	1.41	20	
Selenium	0.508	0.010	0.5	0	102	75	125	0.5019	1.21	20	
Silver	0.1979	0.010	0.2	0	99	75	125	0.1965	0.710	20	
Zinc	1.253	0.050	0.5	0.7673	97.1	75	125	1.236	1.37	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102642

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080286-041BMSD	2531V-DUP-03	MSD	mg/L	SW1311/6020	8/17/2017	8/18/2017	ICPMS_170817C			3747241		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Iron	118	5.0	2	112.8	260	75	125	118.9	0.760	20	S

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
IMBW1 8/17/17	ZZZZZ	MBLK	mg/L	SW6020	8/17/2017	8/17/2017		ICPMS_170817B		3746693		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040										
Barium	ND	0.0040										
Beryllium	ND	0.0020										
Cadmium	ND	0.0020										
Chromium	ND	0.0040										
Cobalt	ND	0.0040										
Copper	ND	0.010										
Iron	ND	0.10										
Lead	ND	0.0020										
Manganese	ND	0.0040										
Nickel	ND	0.0040										
Selenium	0.00075	0.0040										J
Silver	ND	0.0040										
Zinc	0.0287	0.040										J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
ILCSW1 8/17/17	ZZZZZ	LCS	mg/L	SW6020	8/17/2017	8/17/2017			ICPMS_170817B		3746694	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4879	0.0040	0.5	0	97.6	80	120	0	0		
Barium	0.4804	0.0040	0.5	0	96.1	80	120	0	0		
Beryllium	0.52	0.0020	0.5	0	104	80	120	0	0		
Cadmium	0.4971	0.0020	0.5	0	99.4	80	120	0	0		
Chromium	0.5305	0.0040	0.5	0	106	80	120	0	0		
Cobalt	0.5161	0.0040	0.5	0	103	80	120	0	0		
Copper	0.4769	0.010	0.5	0	95.4	80	120	0	0		
Iron	2.129	0.10	2	0	106	80	120	0	0		
Lead	0.4779	0.0020	0.5	0	95.6	80	120	0	0		
Manganese	0.5186	0.0040	0.5	0	104	80	120	0	0		
Nickel	0.5164	0.0040	0.5	0	103	80	120	0	0		
Selenium	0.4773	0.0040	0.5	0.00075	95.3	80	120	0	0		
Silver	0.2006	0.0040	0.2	0	100	80	120	0	0		
Zinc	0.5195	0.040	0.5	0.0287	98.2	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102643

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW2 8/17/17			50	0	0	50	1.000	8/17/2017	8/17/2017
ILCSW2 8/17/17			50	0	0	50	1.000	8/17/2017	8/17/2017
IMBTA1 8/16/17			50	0	0	50	1.000	8/17/2017	8/17/2017
17080160-002B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080160-004B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080160-004BMS	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080160-004BMSD	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-022B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-023B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-024B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-025B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-026B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-027B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-028B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-029B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-032B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-033B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-035B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-036B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-037B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-038B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-039B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-040B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080286-042B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBTA1 8/16/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/17/2017	8/17/2017	ICPMS-3_170817A				3746895	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		ND	0.010									
Barium		0.00507	0.050									J
Beryllium		ND	0.0050									
Cadmium		ND	0.0050									
Chromium		0.002925	0.010									J
Cobalt		ND	0.010									
Copper		ND	0.10									
Iron		ND	0.25									
Lead		ND	0.0050									
Manganese		0.0005282	0.010									J
Nickel		0.00265	0.020									J
Selenium		ND	0.010									
Silver		ND	0.010									
Zinc		0.007778	0.050									J
Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080160-004BMS	ZZZZZ	MS	mg/L	SW1311/6020	8/17/2017	8/17/2017	ICPMS-3_170817A				3746898	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102643

Sample ID: 17080160-004BMS	Customer ID: ZZZZZ	SampType: MS	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/17/2017	Analysis Date: 8/17/2017	Run ID: ICPMS-3_170817A			SeqNo: 3746898		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Barium	0.8855	0.050	0.5	0.3283	111	75	125	0	0		
Beryllium	0.5987	0.0050	0.5	0	120	75	125	0	0		
Cadmium	0.5298	0.0050	0.5	0.002635	105	75	125	0	0		
Chromium	0.6085	0.010	0.5	0.002186	121	75	125	0	0		
Cobalt	0.5856	0.010	0.5	0	117	75	125	0	0		
Copper	0.5697	0.10	0.5	0	114	75	125	0	0		
Iron	2.375	0.25	2	0	119	75	125	0	0		
Lead	0.6038	0.0050	0.5	0.04039	113	75	125	0	0		
Manganese	0.7782	0.010	0.5	0.1844	119	75	125	0	0		
Nickel	0.5671	0.020	0.5	0.00712	112	75	125	0	0		
Selenium	0.5966	0.010	0.5	0	119	75	125	0	0		
Silver	0.2013	0.010	0.2	0	101	75	125	0	0		
Zinc	0.6821	0.050	0.5	0.1422	108	75	125	0	0		

Sample ID: 17080160-004BMSD	Customer ID: ZZZZZ	SampType: MSD	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/17/2017	Analysis Date: 8/17/2017	Run ID: ICPMS-3_170817A			SeqNo: 3746899		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5523	0.010	0.5	0	110	75	125	0.5634	2.00	20	
Barium	0.8823	0.050	0.5	0.3283	111	75	125	0.8855	0.363	20	
Beryllium	0.5683	0.0050	0.5	0	114	75	125	0.5987	5.20	20	
Cadmium	0.5088	0.0050	0.5	0.002635	101	75	125	0.5298	4.03	20	
Chromium	0.5834	0.010	0.5	0.002186	116	75	125	0.6085	4.22	20	
Cobalt	0.5676	0.010	0.5	0	114	75	125	0.5856	3.12	20	
Copper	0.5484	0.10	0.5	0	110	75	125	0.5697	3.81	20	
Iron	2.299	0.25	2	0	115	75	125	2.375	3.23	20	
Lead	0.5811	0.0050	0.5	0.04039	108	75	125	0.6038	3.83	20	
Manganese	0.7548	0.010	0.5	0.1844	114	75	125	0.7782	3.05	20	
Nickel	0.5498	0.020	0.5	0.00712	109	75	125	0.5671	3.10	20	
Selenium	0.5861	0.010	0.5	0	117	75	125	0.5966	1.78	20	
Silver	0.1958	0.010	0.2	0	97.9	75	125	0.2013	2.79	20	
Zinc	0.6677	0.050	0.5	0.1422	105	75	125	0.6821	2.13	20	

Sample ID: IMBW2 8/17/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW6020	Prep Date: 8/17/2017	Analysis Date: 8/17/2017	Run ID: ICPMS_170817B			SeqNo: 3746714		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead	ND	0.0020										

Sample ID: IMBW2 8/17/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW6020	Prep Date: 8/17/2017	Analysis Date: 8/17/2017	Run ID: ICPMS-3_170817A			SeqNo: 3746893		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040										
Barium	ND	0.0040										
Beryllium	ND	0.0020										
Cadmium	ND	0.0020										
Chromium	0.0008648	0.0040										J
Cobalt	ND	0.0040										
Copper	ND	0.010										
Iron	ND	0.10										

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102643

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
IMBW2 8/17/17	ZZZZZ	MBLK	mg/L	SW6020	8/17/2017	8/17/2017		ICPMS-3_170817A		3746893		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Manganese	ND	0.0040
Nickel	ND	0.0040
Selenium	ND	0.0040
Silver	ND	0.0040
Zinc	ND	0.020

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
ILCSW2 8/17/17	ZZZZZ	LCS	mg/L	SW6020	8/17/2017	8/17/2017		ICPMS_170817B		3746715		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead	0.4766	0.0020	0.5	0	95.3	80	120	0	0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
ILCSW2 8/17/17	ZZZZZ	LCS	mg/L	SW6020	8/17/2017	8/17/2017		ICPMS-3_170817A		3746894		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5112	0.0040	0.5	0	102	80	120	0	0
Barium	0.502	0.0040	0.5	0	100	80	120	0	0
Beryllium	0.5756	0.0020	0.5	0	115	80	120	0	0
Cadmium	0.524	0.0020	0.5	0	105	80	120	0	0
Chromium	0.5755	0.0040	0.5	0.0008648	115	80	120	0	0
Cobalt	0.577	0.0040	0.5	0	115	80	120	0	0
Copper	0.5687	0.010	0.5	0	114	80	120	0	0
Iron	2.31	0.10	2	0	116	80	120	0	0
Manganese	0.5542	0.0040	0.5	0	111	80	120	0	0
Nickel	0.5915	0.0040	0.5	0	118	80	120	0	0
Selenium	0.5298	0.0040	0.5	0	106	80	120	0	0
Silver	0.2144	0.0040	0.2	0	107	80	120	0	0
Zinc	0.5468	0.020	0.5	0	109	80	120	0	0

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102524

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS1 8/11/17			0.3	0	0	30	100.000	8/11/2017	8/11/2017
HGLCSS1 8/11/17			0.3	0	0	30	100.000	8/11/2017	8/11/2017
17080368-001B	Soil		0.324	0	0	30	92.593	8/11/2017	8/11/2017
17080368-002B	Soil		0.321	0	0	30	93.458	8/11/2017	8/11/2017
17080368-003B	Soil		0.395	0	0	30	75.949	8/11/2017	8/11/2017
17080286-001B	Soil		0.389	0	0	30	77.121	8/11/2017	8/11/2017
17080286-002B	Soil		0.339	0	0	30	88.496	8/11/2017	8/11/2017
17080286-003B	Soil		0.368	0	0	30	81.522	8/11/2017	8/11/2017
17080286-004B	Soil		0.338	0	0	30	88.757	8/11/2017	8/11/2017
17080286-004BMS	Soil		0.34	0	0	30	88.235	8/11/2017	8/11/2017
17080286-004BMDS	Soil		0.339	0	0	30	88.496	8/11/2017	8/11/2017
17080286-005B	Soil		0.322	0	0	30	93.168	8/11/2017	8/11/2017
17080286-006B	Soil		0.322	0	0	30	93.168	8/11/2017	8/11/2017
17080286-007B	Soil		0.316	0	0	30	94.937	8/11/2017	8/11/2017
17080286-008B	Soil		0.302	0	0	30	99.338	8/11/2017	8/11/2017
17080286-009B	Soil		0.319	0	0	30	94.044	8/11/2017	8/11/2017
17080286-010B	Soil		0.331	0	0	30	90.634	8/11/2017	8/11/2017
17080286-011B	Soil		0.303	0	0	30	99.010	8/11/2017	8/11/2017
17080286-012B	Soil		0.315	0	0	30	95.238	8/11/2017	8/11/2017
17080286-013B	Soil		0.382	0	0	30	78.534	8/11/2017	8/11/2017
17080286-014B	Soil		0.321	0	0	30	93.458	8/11/2017	8/11/2017
17080286-015B	Soil		0.302	0	0	30	99.338	8/11/2017	8/11/2017
17080286-016B	Soil		0.307	0	0	30	97.720	8/11/2017	8/11/2017
17080286-017B	Soil		0.363	0	0	30	82.645	8/11/2017	8/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMBS1 8/11/17	ZZZZZ	MBLK	mg/Kg	SW7471A	8/11/2017	8/11/2017		CETAC 2_170811D			3740502	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury ND 0.020

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGLCSS1 8/11/17	ZZZZZ	LCS	mg/Kg	SW7471A	8/11/2017	8/11/2017		CETAC 2_170811D		3740503		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.27 0.020 0.25 0 108 80 120 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080286-004BMS	2531V-14-02 (6-12)	MS	mg/Kg-dry	SW7471A	8/11/2017	8/11/2017		CETAC 2_170811D		3740511		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.2761 0.020 0.2556 0.0144 102 75 125 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080286-004BMDS	2531V-14-02 (6-12)	MSD	mg/Kg-dry	SW7471A	8/11/2017	8/11/2017		CETAC 2_170811D		3740514		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.2769 0.021 0.2564 0.0144 102 75 125 0.2761 0.295 20

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102526

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS3 8/11/17			0.3	0	0	30	100.000	8/11/2017	8/11/2017
HGLCSS3 8/11/17			0.3	0	0	30	100.000	8/11/2017	8/11/2017
17080077-001B	Soil		0.32	0	0	30	93.750	8/11/2017	8/11/2017
17080286-038B	Soil		0.328	0	0	30	91.463	8/11/2017	8/11/2017
17080286-039B	Soil		0.311	0	0	30	96.463	8/11/2017	8/11/2017
17080286-040B	Soil		0.366	0	0	30	81.967	8/11/2017	8/11/2017
17080286-041B	Soil		0.304	0	0	30	98.684	8/11/2017	8/11/2017
17080286-041BMS	Soil		0.302	0	0	30	99.338	8/11/2017	8/11/2017
17080286-041BMSD	Soil		0.307	0	0	30	97.720	8/11/2017	8/11/2017
17080286-042B	Soil		0.349	0	0	30	85.960	8/11/2017	8/11/2017
17080286-043B	Soil		0.331	0	0	30	90.634	8/11/2017	8/11/2017
17080294-001A	Soil		0.337	0	0	30	89.021	8/11/2017	8/11/2017
17080294-002A	Soil		0.317	0	0	30	94.637	8/11/2017	8/11/2017
17080294-003A	Soil		0.338	0	0	30	88.757	8/11/2017	8/11/2017
17080294-004A	Soil		0.306	0	0	30	98.039	8/11/2017	8/11/2017
17080294-005A	Soil		0.381	0	0	30	78.740	8/11/2017	8/11/2017
17080294-006A	Soil		0.37	0	0	30	81.081	8/11/2017	8/11/2017
17080294-007A	Soil		0.331	0	0	30	90.634	8/11/2017	8/11/2017
17080294-008A	Soil		0.32	0	0	30	93.750	8/11/2017	8/11/2017
17080294-009A	Soil		0.314	0	0	30	95.541	8/11/2017	8/11/2017
17080294-010A	Soil		0.357	0	0	30	84.034	8/11/2017	8/11/2017
17080294-011A	Soil		0.366	0	0	30	81.967	8/11/2017	8/11/2017
17080319-001B	Soil		0.377	0	0	30	79.576	8/11/2017	8/11/2017
17080319-002B	Soil		0.314	0	0	30	95.541	8/11/2017	8/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMBS3 8/11/17	ZZZZZ	MBLK	mg/Kg	SW7471A	8/11/2017	8/14/2017		CETAC 2_170814A			3740605	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGLCSS3 8/11/17	ZZZZZ	LCS	mg/Kg	SW7471A	8/11/2017	8/14/2017		CETAC 2_170814A			3740607	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-041BMS	2531V-DUP-03	MS	mg/Kg-dry	SW7471A	8/11/2017	8/14/2017	CETAC 2_170814A				3740612	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-041BMSD	2531V-DUP-03	MSD	mg/Kg-dry	SW7471A	8/11/2017	8/14/2017	CETAC 2_170814A				3740613	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.3156	0.023	0.2818	0.01707	106	75	125	0.3208	1.64	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102530

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW2 8/11/17			30	0	0	30	1.000	8/11/2017	8/11/2017
HGLCSW2 8/11/17			30	0	0	30	1.000	8/11/2017	8/11/2017
HGMB SPL 8/10/17			30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-020B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-039B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-040B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-041B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-042B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-042BMS	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-042BMSD	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-043B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-044B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-045B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-046B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-047B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-048B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-049B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-050B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-051B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-052B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-053B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080266-054B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080286-001B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017
17080286-002B	Soil		30	0	0	30	1.000	8/11/2017	8/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMB SPL 8/10/17	ZZZZZ	MBLK	mg/L	SW1312/7470A	8/11/2017	8/14/2017		CETAC 2_170814C			3741083	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury ND 0.00025

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-042BMS	ZZZZZ	MS	mg/L	SW1312/7470A	8/11/2017	8/14/2017	CETAC 2_170814C				3741089	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0024 0.00025 0.0025 0 96 75 125 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-042BMSD	ZZZZZ	MSD	mg/L	SW1312/7470A	8/11/2017	8/14/2017	CETAC 2_170814C				3741090	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0026 0.00025 0.0025 0 104 75 125 0.0024 8.00 20

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMBW2 8/11/17	ZZZZZ	MBLK	mg/L	SW7470A	8/11/2017	8/14/2017		CETAC 2_170814C			3741081	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury ND 0.00020

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080286	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102530

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGLCSW2 8/11/17	ZZZZZ	LCS	mg/L	SW7470A	8/11/2017	8/14/2017	CETAC 2_170814C				3741082	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0026	0.00020	0.0025	0	104	85	115	0	0		

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102532

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS2 8/11/17			0.3	0	0	30	100.000	8/11/2017	8/11/2017
HGLCSS2 8/11/17			0.3	0	0	30	100.000	8/11/2017	8/11/2017
17080286-018B	Soil		0.387	0	0	30	77.519	8/11/2017	8/11/2017
17080286-019B	Soil		0.309	0	0	30	97.087	8/11/2017	8/11/2017
17080286-020B	Soil		0.332	0	0	30	90.361	8/11/2017	8/11/2017
17080286-021B	Soil		0.369	0	0	30	81.301	8/11/2017	8/11/2017
17080286-022B	Soil		0.342	0	0	30	87.719	8/11/2017	8/11/2017
17080286-023B	Soil		0.362	0	0	30	82.873	8/11/2017	8/11/2017
17080286-023BMS	Soil		0.366	0	0	30	81.967	8/11/2017	8/11/2017
17080286-023BMSD	Soil		0.365	0	0	30	82.192	8/11/2017	8/11/2017
17080286-024B	Soil		0.301	0	0	30	99.668	8/11/2017	8/11/2017
17080286-025B	Soil		0.324	0	0	30	92.593	8/11/2017	8/11/2017
17080286-026B	Soil		0.386	0	0	30	77.720	8/11/2017	8/11/2017
17080286-027B	Soil		0.319	0	0	30	94.044	8/11/2017	8/11/2017
17080286-028B	Soil		0.333	0	0	30	90.090	8/11/2017	8/11/2017
17080286-029B	Soil		0.315	0	0	30	95.238	8/11/2017	8/11/2017
17080286-030B	Soil		0.326	0	0	30	92.025	8/11/2017	8/11/2017
17080286-031B	Soil		0.303	0	0	30	99.010	8/11/2017	8/11/2017
17080286-032B	Soil		0.338	0	0	30	88.757	8/11/2017	8/11/2017
17080286-033B	Soil		0.363	0	0	30	82.645	8/11/2017	8/11/2017
17080286-034B	Soil		0.328	0	0	30	91.463	8/11/2017	8/11/2017
17080286-035B	Soil		0.31	0	0	30	96.774	8/11/2017	8/11/2017
17080286-036B	Soil		0.335	0	0	30	89.552	8/11/2017	8/11/2017
17080286-037B	Soil		0.373	0	0	30	80.429	8/11/2017	8/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMBS2 8/11/17	ZZZZZ	MBLK	mg/Kg	SW7471A	8/11/2017	8/14/2017		CETAC 2_170814D			3741198	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGLCSS2 8/11/17	ZZZZZ	LCS	mg/Kg	SW7471A	8/11/2017	8/14/2017		CETAC 2_170814D		3741199		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080286-023BMS	2531V-43-06 (5-9)	MS	mg/Kg-dry	SW7471A	8/11/2017	8/14/2017		CETAC 2_170814D		3741206		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-023BMSD	2531V-43-06 (5-9)	MSD	mg/Kg-dry	SW7471A	8/11/2017	8/14/2017	CETAC 2_170814D				3741207	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.2599	0.019	0.2406	0.01456	102	75	125	0.2591	0.274	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080286	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102538

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW2 8/14/17			30	0	0	30	1.000	8/14/2017	8/14/2017
HGLCSW2 8/14/17			30	0	0	30	1.000	8/14/2017	8/14/2017
HGMBSP1P 8/11/17			30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-004BMSD	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-003B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-004B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-004BMS	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-005B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-006B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-007B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-008B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-009B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-010B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-011B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-012B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-013B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-014B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-015B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-016B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-017B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-018B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-019B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-020B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017
17080286-021B	Soil		30	0	0	30	1.000	8/14/2017	8/14/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-004BMS	2531V-14-02 (6-12)	MS	mg/L	SW1312/7470A	8/14/2017	8/14/2017	CETAC 2_170814E				3741278	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-004BMSD	2531V-14-02 (6-12)	MSD	mg/L	SW1312/7470A	8/14/2017	8/14/2017	CETAC 2_170814E				3741279	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGMBW2 8/14/17	ZZZZZ	MBLK	mg/L	SW7470A	8/14/2017	8/14/2017		CETAC 2_170814E		3741271		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGLCSW2 8/14/17	ZZZZZ	LCS	mg/L	SW7470A	8/14/2017	8/14/2017		CETAC 2_170814E		3741272		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0026	0.00020	0.0025	0	104	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080286	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102577

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 8/15/17			30	0	0	30	1.000	8/15/2017	8/15/2017
HGLCSW1 8/15/17			30	0	0	30	1.000	8/15/2017	8/15/2017
HGMBTB 8/14/17			30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-052B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-052BMS	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
HGMBTA1 8/14/17			30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-042B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-042BMS	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-042BMSD	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-043B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-044B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-045B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-046B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-047B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-048B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-049B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-050B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-051B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-053B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080266-054B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-001B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGMBTB 8/14/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/15/2017	8/15/2017		CETAC 2_170815C		3742783		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury ND 0.00020

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:			SeqNo:
HGMBTA1 8/14/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/15/2017	8/15/2017			CETAC 2_170815C			3742786
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury ND 0.00020

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080266-052BMS	ZZZZZ	MS	mg/L	SW1311/7470A	8/15/2017	8/15/2017		CETAC 2_170815C		3742785		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0027 0.00020 0.0025 0 108 75 125 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080266-042BMS	ZZZZZ	MS	mg/L	SW1311/7470A	8/15/2017	8/15/2017		CETAC 2_170815C		3742788		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0026 0.00020 0.0025 0 104 75 125 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080266-042BMSD	ZZZZZ	MSD	mg/L	SW1311/7470A	8/15/2017	8/15/2017	CETAC 2_170815C				3742789	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0026 0.00020 0.0025 0 104 75 125 0.0026 0 20

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080286	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102577

Sample ID: HGMBW1 8/15/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW7470A	Prep Date: 8/15/2017	Analysis Date: 8/15/2017	Run ID: CETAC 2_170815C			SeqNo: 3742781		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.00020									

Sample ID: HGLCSW1 8/15/17	Customer ID: ZZZZZ	SampType: LCS	Units: mg/L	TestNo: SW7470A	Prep Date: 8/15/2017	Analysis Date: 8/15/2017	Run ID: CETAC 2_170815C			SeqNo: 3742782		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0028	0.00020	0.0025	0	112	85	115	0	0		

Qualifiers:	ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits * - Non Accredited Parameter	S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits H/HT - Holding Time Exceeded	B - Analyte detected in the associated Method Blank E - Value above quantitation range

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080286	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102578

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW2 8/15/17			30	0	0	30	1.000	8/15/2017	8/15/2017
HGLCSW2 8/15/17			30	0	0	30	1.000	8/15/2017	8/15/2017
HGMBSP2 8/14/17			30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-041B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-042B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-043B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-041BMS	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-041BMSD	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
HGMBTA1 7/24/17			30	0	0	30	1.000	8/15/2017	8/15/2017
17070430-004B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17070430-017B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17070430-017BMS	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
HGMBTA1 7/25/17			30	0	0	30	1.000	8/15/2017	8/15/2017
17070430-013B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17070430-013BMS	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
HGMBTA2 8/15/17			30	0	0	30	1.000	8/15/2017	8/16/2017
17080472-001A	Solid		30	0	0	30	1.000	8/16/2017	8/16/2017
17080472-002A	Solid		30	0	0	30	1.000	8/16/2017	8/16/2017
17080472-007A	Solid		30	0	0	30	1.000	8/16/2017	8/16/2017
17080538-001A	Solid		30	0	0	30	1.000	8/16/2017	8/16/2017
17080538-001AMS	Solid		30	0	0	30	1.000	8/16/2017	8/16/2017
17080417-001A	Solid		30	0	0	30	1.000	8/16/2017	8/16/2017
17080424-001A	Solid		30	0	0	30	1.000	8/16/2017	8/16/2017
17080375-004B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080375-006B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080375-007B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080375-008B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017

QC SUMMARY

Sample ID: HGMBTA1 7/24/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/15/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816A				SeqNo: 3744533	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00006	0.00020		J							

Sample ID: HGMBTA1 7/25/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/15/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816A				SeqNo: 3744539	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00006	0.00020		J							

Sample ID: HGMBTA2 8/15/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/15/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816C				SeqNo: 3744811	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00006	0.00020		J							

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102578

Sample ID: 17070430-017BMS	Customer ID: ZZZZZ	SampType: MS	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/15/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816A				SeqNo: 3744538	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0027	0.00020	0.0025	0.00006	106	75	125	0	0		H
Sample ID: 17070430-013BMS	Customer ID: ZZZZZ	SampType: MS	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/15/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816A				SeqNo: 3744541	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0027	0.00020	0.0025	0.00006	106	75	125	0	0		H
Sample ID: 17080538-001AMS	Customer ID: ZZZZZ	SampType: MS	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/16/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816D				SeqNo: 3744849	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0025	0.00020	0.0025	0.0002	92	75	125	0	0		
Sample ID: HGMBSP2 8/14/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW1312/7470A	Prep Date: 8/15/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816A				SeqNo: 3744527	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00006	0.00025									J
Sample ID: 17080286-041BMS	Customer ID: 2531V-DUP-03	SampType: MS	Units: mg/L	TestNo: SW1312/7470A	Prep Date: 8/15/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816A				SeqNo: 3744529	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0025	0.00025	0.0025	0.00006	97.6	75	125	0	0		
Sample ID: 17080286-041BMSD	Customer ID: 2531V-DUP-03	SampType: MSD	Units: mg/L	TestNo: SW1312/7470A	Prep Date: 8/15/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816A				SeqNo: 3744530	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0026	0.00025	0.0025	0.00006	102	75	125	0.0025	3.92	20	
Sample ID: HGMBW2 8/15/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW7470A	Prep Date: 8/15/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816A				SeqNo: 3744525	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00006	0.00020									J
Sample ID: HGLCSW2 8/15/17	Customer ID: ZZZZZ	SampType: LCS	Units: mg/L	TestNo: SW7470A	Prep Date: 8/15/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816A				SeqNo: 3744526	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0026	0.00020	0.0025	0.00006	102	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102582

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW3 8/15/17			30	0	0	30	1.000	8/15/2017	8/15/2017
HGLCSW3 8/15/17			30	0	0	30	1.000	8/15/2017	8/15/2017
HGMBSPPL 8/14/17			30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-022B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-023B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-024B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-025B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-026B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-027B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-028B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-029B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-030B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-030BMS	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-030BMSD	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-031B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-032B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-033B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-034B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-035B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-036B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-037B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-038B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-039B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017
17080286-040B	Soil		30	0	0	30	1.000	8/15/2017	8/15/2017

QC SUMMARY

Sample ID: HGMBSPLP 8/14/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW1312/7470A	Prep Date: 8/15/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816A				SeqNo: 3744544	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00005	0.00025									J

Sample ID: 17080286-030BMS	Customer ID: 2531V-56-08 (6-12)	SampType: MS	Units: mg/L	TestNo: SW1312/7470A	Prep Date: 8/15/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816A				SeqNo: 3744556	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0026	0.00025	0.0025	0.00005	102	75	125	0	0		

Sample ID: 17080286-030BMSD	Customer ID: 2531V-56-08 (6-12)	SampType: MSD	Units: mg/L	TestNo: SW1312/7470A	Prep Date: 8/15/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816A				SeqNo: 3744557	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0026	0.00025	0.0025	0.00005	102	75	125	0.0026	0	20	

Sample ID: HGMBW3 8/15/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW7470A	Prep Date: 8/15/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816A				SeqNo: 3744542	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.00020									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102582

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
HGLCSW3 8/15/17	ZZZZZ	LCS	mg/L	SW7470A	8/15/2017	8/16/2017	CETAC 2_170816A			3744543		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0027	0.00020	0.0025	0	108	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080286	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102600

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 8/16/17			30	0	0	30	1.000	8/16/2017	8/16/2017
HGLCSW1 8/16/17			30	0	0	30	1.000	8/16/2017	8/16/2017
HGMBTB 8/15/17			30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-005B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-011B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-011BMS	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-011BMSD	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-013B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
HGMBTA1 8/15/17			30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-002B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-002BMS	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-003B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-004B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-006B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-007B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-008B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-009B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-010B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-012B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-014B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-019B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-020B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-015B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-016B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-017B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-018B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080286-021B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017

QC SUMMARY

Sample ID: HGMBTB 8/15/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/16/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816D				SeqNo: 3744858	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00006	0.00020									J

Sample ID: HGMBTA1 8/15/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/16/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816D				SeqNo: 3744864	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00006	0.00020									J

Sample ID: 17080286-011BMS	Customer ID: 2531V-15-01 (12-1	SampType: MS	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/16/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816D				SeqNo: 3744861	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0027	0.00020	0.0025	0.00006	106	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080286

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102600

Sample ID: 17080286-002BMS	Customer ID: 2531V-14-01 (5-9)	SampType: MS	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/16/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816D				SeqNo: 3744868	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0027	0.00020	0.0025	0.00006	106	75	125	0	0		
Sample ID: 17080286-011BMSD	Customer ID: 2531V-15-01 (12-1	SampType: MSD	Units: mg/L	TestNo: SW1311/7470A	Prep Date: 8/16/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816D				SeqNo: 3744862	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0027	0.00020	0.0025	0.00006	106	75	125	0.0027	0	20	
Sample ID: HGMBW1 8/16/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW7470A	Prep Date: 8/16/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816D				SeqNo: 3744856	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00006	0.00020									J
Sample ID: HGLCSW1 8/16/17	Customer ID: ZZZZZ	SampType: LCS	Units: mg/L	TestNo: SW7470A	Prep Date: 8/16/2017	Analysis Date: 8/16/2017	Run ID: CETAC 2_170816D				SeqNo: 3744857	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0027	0.00020	0.0025	0.00006	106	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 * - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
 E - Value above quantitation range

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102638

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 8/17/17			30	0	0	30	1.000	8/17/2017	8/17/2017
HGLCSW1 8/17/17			30	0	0	30	1.000	8/17/2017	8/17/2017
HGMBTA2 8/16/17			30	0	0	30	1.000	8/17/2017	8/17/2017
17080527-001A	Solid		30	0	0	30	1.000	8/17/2017	8/17/2017
17080528-001A	Solid		30	0	0	30	1.000	8/17/2017	8/17/2017
17080434-001A	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080434-001AMS	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080434-001AMSD	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
HGMBTB 8/16/17			30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-030B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-031B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-034B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-034BMS	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-041B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-043B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
HGMBTC 8/17/17			30	0	0	30	1.000	8/17/2017	8/17/2017
17080582-001A	Aqueous		30	0	0	30	1.000	8/17/2017	8/17/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBTA2 8/16/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/17/2017	8/17/2017	CETAC 2_170817C				3746613	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00008	0.00020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBTB 8/16/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/17/2017	8/17/2017	CETAC 2_170817D				3746745	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00008	0.00020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBTC 8/17/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/17/2017	8/17/2017	CETAC 2_170817D				3746752	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00008	0.00020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080434-001AMS	ZZZZZ	MS	mg/L	SW1311/7470A	8/17/2017	8/17/2017	CETAC 2_170817C				3746617	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0027	0.00020	0.0025	0.00024	98.4	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-034B	2531V-56-09 (12-1	MS	mg/L	SW1311/7470A	8/17/2017	8/17/2017	CETAC 2_170817D				3746749	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0026	0.00020	0.0025	0.00009	100	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.**Work Order:** 17080286**Project:** 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL**ANALYTICAL QC SUMMARY REPORT****Metals****BatchID: 102638**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080434-001AMSD	ZZZZZ	MSD	mg/L	SW1311/7470A	8/17/2017	8/17/2017	CETAC 2_170817C			3746618		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury	0.0028	0.00020	0.0025	0.00024	102	75	125	0.0027	3.64	20

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBW1 8/17/17	ZZZZZ	MBLK	mg/L	SW7470A	8/17/2017	8/17/2017	CETAC 2_170817C				3746611	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury	0.00008	0.00020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGLCSW1 8/17/17	ZZZZZ	LCS	mg/L	SW7470A	8/17/2017	8/17/2017		CETAC 2_170817C		3746612		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury	0.0026	0.00020	0.0025	0.00008	101	85	115	0	0

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080286	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102640

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW2 8/17/17			30	0	0	30	1.000	8/17/2017	8/17/2017
HGLCSW2 8/17/17			30	0	0	30	1.000	8/17/2017	8/17/2017
HGMBTA1 8/16/17			30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-022B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-022BMS	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-022BMSD	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-023B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-024B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-025B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-026B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-027B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-028B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-029B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-032B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-033B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-035B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-036B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-037B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-038B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-039B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-040B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080286-042B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBTA1 8/16/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/17/2017	8/17/2017	CETAC 2_170817D				3746758	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00007	0.00020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-022BMS	2531V-43-06 (0-5)	MS	mg/L	SW1311/7470A	8/17/2017	8/17/2017	CETAC 2_170817D				3746760	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0026	0.00020	0.0025	0.00007	101	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-022BMSD	2531V-43-06 (0-5)	MSD	mg/L	SW1311/7470A	8/17/2017	8/17/2017	CETAC 2_170817D				3746761	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0027	0.00020	0.0025	0.00007	105	75	125	0.0026	3.77	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBW2 8/17/17	ZZZZZ	MBLK	mg/L	SW7470A	8/17/2017	8/17/2017	CETAC 2_170817D				3746754	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00007	0.00020									J

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080286	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102640

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGLCSW2 8/17/17	ZZZZZ	LCS	mg/L	SW7470A	8/17/2017	8/17/2017	CETAC 2_170817D				3746757	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0027	0.00020	0.0025	0.00007	105	85	115	0	0		

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134929

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3741301	17080283-007B	SAMP	PH_S	R134929	1	08/14/2017
3741302	17080283-007BDUP	DUP	PH_S	R134929	1	08/14/2017
3741303	17080283-008B	SAMP	PH_S	R134929	1	08/14/2017
3741304	17080286-001B	SAMP	PH_S	R134929	1	08/14/2017
3741305	17080286-002B	SAMP	PH_S	R134929	1	08/14/2017
3741306	17080286-003B	SAMP	PH_S	R134929	1	08/14/2017
3741307	17080286-004B	SAMP	PH_S	R134929	1	08/14/2017
3741308	17080286-005B	SAMP	PH_S	R134929	1	08/14/2017
3741309	17080286-006B	SAMP	PH_S	R134929	1	08/14/2017
3741310	17080286-007B	SAMP	PH_S	R134929	1	08/14/2017
3741311	17080286-008B	SAMP	PH_S	R134929	1	08/14/2017
3741312	17080286-009B	SAMP	PH_S	R134929	1	08/14/2017
3741313	17080286-010B	SAMP	PH_S	R134929	1	08/14/2017
3741314	17080286-011B	SAMP	PH_S	R134929	1	08/14/2017
3741315	17080286-012B	SAMP	PH_S	R134929	1	08/14/2017
3741316	17080286-013B	SAMP	PH_S	R134929	1	08/14/2017
3741317	17080286-014B	SAMP	PH_S	R134929	1	08/14/2017
3741318	17080286-015B	SAMP	PH_S	R134929	1	08/14/2017
3741319	17080286-016B	SAMP	PH_S	R134929	1	08/14/2017
3741320	17080286-017B	SAMP	PH_S	R134929	1	08/14/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080283-007BDUP	ZZZZZ	DUP	pH Units	SW9045C	8/14/2017	8/14/2017	PH_170814A			3741302		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH		8.23	0	0	0	0	0	0	8.26	0.364	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134930

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3741321	17080286-018B	SAMP	PH_S	R134930	1	08/14/2017
3741322	17080286-018BDUP	DUP	PH_S	R134930	1	08/14/2017
3741323	17080286-019B	SAMP	PH_S	R134930	1	08/14/2017
3741324	17080286-020B	SAMP	PH_S	R134930	1	08/14/2017
3741325	17080286-021B	SAMP	PH_S	R134930	1	08/14/2017
3741326	17080286-022B	SAMP	PH_S	R134930	1	08/14/2017
3741327	17080286-023B	SAMP	PH_S	R134930	1	08/14/2017
3741328	17080286-024B	SAMP	PH_S	R134930	1	08/14/2017
3741329	17080286-025B	SAMP	PH_S	R134930	1	08/14/2017
3741330	17080286-026B	SAMP	PH_S	R134930	1	08/14/2017
3741331	17080286-027B	SAMP	PH_S	R134930	1	08/14/2017
3741332	17080286-028B	SAMP	PH_S	R134930	1	08/14/2017
3741333	17080286-029B	SAMP	PH_S	R134930	1	08/14/2017
3741334	17080286-030B	SAMP	PH_S	R134930	1	08/14/2017
3741335	17080286-031B	SAMP	PH_S	R134930	1	08/14/2017
3741336	17080286-032B	SAMP	PH_S	R134930	1	08/14/2017
3741337	17080286-033B	SAMP	PH_S	R134930	1	08/14/2017
3741338	17080286-034B	SAMP	PH_S	R134930	1	08/14/2017
3741339	17080286-035B	SAMP	PH_S	R134930	1	08/14/2017
3741340	17080286-036B	SAMP	PH_S	R134930	1	08/14/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080286-018BDUP	2531V-41-01 (0-1)	DUP	pH Units	SW9045C	8/14/2017	8/14/2017	PH_170814B			3741322		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH		8.6	0	0	0	0	0	0	8.56	0.466	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134971

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3742874	17080286-037B	SAMP	PH_S	R134971	1	08/15/2017
3742875	17080286-037BDUP	DUP	PH_S	R134971	1	08/15/2017
3742876	17080286-038B	SAMP	PH_S	R134971	1	08/15/2017
3742877	17080286-039B	SAMP	PH_S	R134971	1	08/15/2017
3742878	17080286-040B	SAMP	PH_S	R134971	1	08/15/2017
3742879	17080286-041B	SAMP	PH_S	R134971	1	08/15/2017
3742880	17080286-042B	SAMP	PH_S	R134971	1	08/15/2017
3742881	17080286-043B	SAMP	PH_S	R134971	1	08/15/2017
3742882	17080294-001A	SAMP	PH_S	R134971	1	08/15/2017
3742883	17080294-002A	SAMP	PH_S	R134971	1	08/15/2017
3742884	17080294-003A	SAMP	PH_S	R134971	1	08/15/2017
3742885	17080294-004A	SAMP	PH_S	R134971	1	08/15/2017
3742886	17080294-005A	SAMP	PH_S	R134971	1	08/15/2017
3742887	17080294-006A	SAMP	PH_S	R134971	1	08/15/2017
3742888	17080294-007A	SAMP	PH_S	R134971	1	08/15/2017
3742889	17080294-008A	SAMP	PH_S	R134971	1	08/15/2017
3742890	17080294-009A	SAMP	PH_S	R134971	1	08/15/2017
3742891	17080377-001B	SAMP	PH_S	R134971	1	08/15/2017
3742892	17080413-002A	SAMP	PH_S	R134971	1	08/15/2017
3742893	17080444-001A	SAMP	PH_S	R134971	1	08/15/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080286-037BDUP	2531V-56-10 (12-1	DUP	pH Units	SW9045C	8/15/2017	8/15/2017	PH_170815A			3742875		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH	8.9		0	0	0	0	0	0	8.83	0.790	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134843

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3737273	PMBLK2 8/10/17	MBLK	PMOIST	R134843	1	08/11/2017
3737274	PMLCS-S2 8/10/17	LCS	PMOIST	R134843	1	08/11/2017
3737275	PMLCS-W2 8/10/17	LCS	PMOIST	R134843	1	08/11/2017
3737276	17080283-001B	SAMP	PMOIST	R134843	1	08/11/2017
3737277	17080283-001B DUP	DUP	PMOIST	R134843	1	08/11/2017
3737278	17080283-002B	SAMP	PMOIST	R134843	1	08/11/2017
3737279	17080283-003B	SAMP	PMOIST	R134843	1	08/11/2017
3737280	17080283-004B	SAMP	PMOIST	R134843	1	08/11/2017
3737281	17080283-005B	SAMP	PMOIST	R134843	1	08/11/2017
3737282	17080283-006B	SAMP	PMOIST	R134843	1	08/11/2017
3737283	17080283-007B	SAMP	PMOIST	R134843	1	08/11/2017
3737284	17080283-008B	SAMP	PMOIST	R134843	1	08/11/2017
3737285	17080286-041B	SAMP	PMOIST	R134843	1	08/11/2017
3737286	17080286-042B	SAMP	PMOIST	R134843	1	08/11/2017
3737287	17080286-043B	SAMP	PMOIST	R134843	1	08/11/2017
3737288	17080315-001A	SAMP	PMOIST	R134843	1	08/11/2017
3737289	17080323-001B	SAMP	PMOIST	R134843	1	08/11/2017
3737290	17080323-002B	SAMP	PMOIST	R134843	1	08/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMBLK2 8/10/17	ZZZZZ	MBLK	wt%	D2974	8/10/2017	8/11/2017	BALANCE_170810B				3737273	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture			ND	0.200		*						

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-S2 8/10/17	ZZZZZ	LCS	wt%	D2974	8/10/2017	8/11/2017	BALANCE_170810B				3737274	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture			4.75	0.200	5	0	95	80	120	0	0	*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-W2 8/10/17	ZZZZZ	LCS	wt%	D2974	8/10/2017	8/11/2017	BALANCE_170810B				3737275	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture			99.77	0.200	99.8	0	100	80	120	0	0	*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:		
17080283-001B DUP	ZZZZZ	DUP	wt%	D2974	8/10/2017	8/11/2017	BALANCE_170810B				3737277		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual	
Percent Moisture			15.75	0.200	0	0	0	0	0	15.21	3.49	20	*

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134844

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3737298	PMBLK3 8/10/17	MBLK	PMOIST	R134844	1	08/11/2017
3737299	PMLCS-S3 8/10/17	LCS	PMOIST	R134844	1	08/11/2017
3737300	PMLCS-W3 8/10/17	LCS	PMOIST	R134844	1	08/11/2017
3737301	17080286-002B	SAMP	PMOIST	R134844	1	08/11/2017
3737302	17080286-002B DUP	DUP	PMOIST	R134844	1	08/11/2017
3737303	17080286-001B	SAMP	PMOIST	R134844	1	08/11/2017
3737304	17080286-003B	SAMP	PMOIST	R134844	1	08/11/2017
3737305	17080286-004B	SAMP	PMOIST	R134844	1	08/11/2017
3737306	17080286-005B	SAMP	PMOIST	R134844	1	08/11/2017
3737307	17080286-006B	SAMP	PMOIST	R134844	1	08/11/2017
3737309	17080286-007B	SAMP	PMOIST	R134844	1	08/11/2017
3737310	17080286-008B	SAMP	PMOIST	R134844	1	08/11/2017
3737311	17080286-009B	SAMP	PMOIST	R134844	1	08/11/2017
3737312	17080286-010B	SAMP	PMOIST	R134844	1	08/11/2017
3737313	17080286-011B	SAMP	PMOIST	R134844	1	08/11/2017
3737314	17080286-012B	SAMP	PMOIST	R134844	1	08/11/2017
3737315	17080286-013B	SAMP	PMOIST	R134844	1	08/11/2017
3737316	17080286-014B	SAMP	PMOIST	R134844	1	08/11/2017
3737317	17080286-015B	SAMP	PMOIST	R134844	1	08/11/2017
3737318	17080286-016B	SAMP	PMOIST	R134844	1	08/11/2017
3737319	17080286-017B	SAMP	PMOIST	R134844	1	08/11/2017
3737320	17080286-018B	SAMP	PMOIST	R134844	1	08/11/2017
3737321	17080286-019B	SAMP	PMOIST	R134844	1	08/11/2017
3737322	17080286-020B	SAMP	PMOIST	R134844	1	08/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMBLK3 8/10/17	ZZZZZ	MBLK	wt%	D2974	8/10/2017	8/11/2017	BALANCE_170810C				3737298	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		ND	0.200									*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-S3 8/10/17	ZZZZZ	LCS	wt%	D2974	8/10/2017	8/11/2017	BALANCE_170810C				3737299	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		4.81	0.200	5	0	96.2	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-W3 8/10/17	ZZZZZ	LCS	wt%	D2974	8/10/2017	8/11/2017	BALANCE_170810C				3737300	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		99.83	0.200	99.8	0	100	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-002B DUP	2531V-14-01 (5-9)	DUP	wt%	D2974	8/10/2017	8/11/2017	BALANCE_170810C				3737302	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		12.21	0.200	0	0	0	0	0	13.39	9.22	20	*

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080286
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134845

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3737333	PMBLK4 8/10/17	MBLK	PMOIST	R134845	1	08/11/2017
3737334	PMLCS-S4 8/10/17	LCS	PMOIST	R134845	1	08/11/2017
3737335	PMLCS-W4 8/10/17	LCS	PMOIST	R134845	1	08/11/2017
3737336	17080286-021B	SAMP	PMOIST	R134845	1	08/11/2017
3737337	17080286-021B DUP	DUP	PMOIST	R134845	1	08/11/2017
3737338	17080286-022B	SAMP	PMOIST	R134845	1	08/11/2017
3737339	17080286-023B	SAMP	PMOIST	R134845	1	08/11/2017
3737340	17080286-024B	SAMP	PMOIST	R134845	1	08/11/2017
3737341	17080286-025B	SAMP	PMOIST	R134845	1	08/11/2017
3737342	17080286-026B	SAMP	PMOIST	R134845	1	08/11/2017
3737343	17080286-027B	SAMP	PMOIST	R134845	1	08/11/2017
3737344	17080286-028B	SAMP	PMOIST	R134845	1	08/11/2017
3737346	17080286-029B	SAMP	PMOIST	R134845	1	08/11/2017
3737347	17080286-030B	SAMP	PMOIST	R134845	1	08/11/2017
3737349	17080286-031B	SAMP	PMOIST	R134845	1	08/11/2017
3737350	17080286-032B	SAMP	PMOIST	R134845	1	08/11/2017
3737351	17080286-033B	SAMP	PMOIST	R134845	1	08/11/2017
3737352	17080286-034B	SAMP	PMOIST	R134845	1	08/11/2017
3737353	17080286-035B	SAMP	PMOIST	R134845	1	08/11/2017
3737354	17080286-036B	SAMP	PMOIST	R134845	1	08/11/2017
3737355	17080286-037B	SAMP	PMOIST	R134845	1	08/11/2017
3737356	17080286-038B	SAMP	PMOIST	R134845	1	08/11/2017
3737357	17080286-039B	SAMP	PMOIST	R134845	1	08/11/2017
3737358	17080286-040B	SAMP	PMOIST	R134845	1	08/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMBLK4 8/10/17	ZZZZZ	MBLK	wt%	D2974	8/10/2017	8/11/2017	BALANCE_170810D				3737333	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		ND	0.200									*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-S4 8/10/17	ZZZZZ	LCS	wt%	D2974	8/10/2017	8/11/2017	BALANCE_170810D				3737334	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		4.73	0.200	5	0	94.6	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-W4 8/10/17	ZZZZZ	LCS	wt%	D2974	8/10/2017	8/11/2017	BALANCE_170810D				3737335	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		99.79	0.200	99.8	0	100	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080286-021B DUP	2531V-43-05 (5-9)	DUP	wt%	D2974	8/10/2017	8/11/2017	BALANCE_170810D				3737337	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		12.14	0.200	0	0	0	0	0	13.3	9.12	20	*

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - 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

August 19, 2017

Huff & Huff, Inc.
915 Harger Road
Oak Brook, IL 60523-1486

Telephone: (630) 684-9100
Fax: (630) 684-9120

Analytical Report for STAT Work Order: 17080343 Revision 0

RE: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Dear Jill Connolly:

STAT Analysis received 35 samples for the referenced project on 8/9/2017 4:11:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Craig Chawla
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become the property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

Client: Huff & Huff, Inc.**Project:** 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL**Work Order Sample Summary****Work Order:** 17080343 Revision 0

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
17080343-001A	2531V-18-08 (0-1)		8/9/2017 9:08:00 AM	8/9/2017
17080343-001B	2531V-18-08 (0-1)		8/9/2017 9:08:00 AM	8/9/2017
17080343-002A	2531V-43-01 (0-1)		8/9/2017 10:35:00 AM	8/9/2017
17080343-002B	2531V-43-01 (0-1)		8/9/2017 10:35:00 AM	8/9/2017
17080343-003A	2531V-43-02 (0-1)		8/9/2017 9:19:00 AM	8/9/2017
17080343-003B	2531V-43-02 (0-1)		8/9/2017 9:19:00 AM	8/9/2017
17080343-004A	2531V-43-03 (0-1)		8/9/2017 9:25:00 AM	8/9/2017
17080343-004B	2531V-43-03 (0-1)		8/9/2017 9:25:00 AM	8/9/2017
17080343-005A	2531V-43-08 (0-1)		8/9/2017 9:16:00 AM	8/9/2017
17080343-005B	2531V-43-08 (0-1)		8/9/2017 9:16:00 AM	8/9/2017
17080343-006A	2531V-43-04 (0-1)		8/9/2017 9:30:00 AM	8/9/2017
17080343-006B	2531V-43-04 (0-1)		8/9/2017 9:30:00 AM	8/9/2017
17080343-007A	2531V-55-01 (0-1)		8/9/2017 11:37:00 AM	8/9/2017
17080343-007B	2531V-55-01 (0-1)		8/9/2017 11:37:00 AM	8/9/2017
17080343-008A	2531V-55-02 (0-1)		8/9/2017 11:34:00 AM	8/9/2017
17080343-008B	2531V-55-02 (0-1)		8/9/2017 11:34:00 AM	8/9/2017
17080343-009A	2531V-56-01 (0-6)		8/9/2017 11:23:00 AM	8/9/2017
17080343-009B	2531V-56-01 (0-6)		8/9/2017 11:23:00 AM	8/9/2017
17080343-010A	2531V-56-01 (6-12)		8/9/2017 11:26:00 AM	8/9/2017
17080343-010B	2531V-56-01 (6-12)		8/9/2017 11:26:00 AM	8/9/2017
17080343-011A	2531V-56-01 (12-18)		8/9/2017 11:29:00 AM	8/9/2017
17080343-011B	2531V-56-01 (12-18)		8/9/2017 11:29:00 AM	8/9/2017
17080343-012A	2531V-56-02 (0-6)		8/9/2017 10:59:00 AM	8/9/2017
17080343-012B	2531V-56-02 (0-6)		8/9/2017 10:59:00 AM	8/9/2017
17080343-013A	2531V-56-02 (6-12)		8/9/2017 11:02:00 AM	8/9/2017
17080343-013B	2531V-56-02 (6-12)		8/9/2017 11:02:00 AM	8/9/2017
17080343-014A	2531V-56-02 (12-18)		8/9/2017 11:08:00 AM	8/9/2017
17080343-014B	2531V-56-02 (12-18)		8/9/2017 11:08:00 AM	8/9/2017
17080343-015A	2531V-56-03 (0-6)		8/9/2017 11:39:00 AM	8/9/2017
17080343-015B	2531V-56-03 (0-6)		8/9/2017 11:39:00 AM	8/9/2017
17080343-016A	2531V-56-03 (6-12)		8/9/2017 11:43:00 AM	8/9/2017
17080343-016B	2531V-56-03 (6-12)		8/9/2017 11:43:00 AM	8/9/2017
17080343-017A	2531V-56-03 (12-18)		8/9/2017 11:46:00 AM	8/9/2017
17080343-017B	2531V-56-03 (12-18)		8/9/2017 11:46:00 AM	8/9/2017
17080343-018A	2531V-56-04 (0-6)		8/9/2017 10:25:00 AM	8/9/2017
17080343-018B	2531V-56-04 (0-6)		8/9/2017 10:25:00 AM	8/9/2017
17080343-019A	2531V-56-04 (6-12)		8/9/2017 10:28:00 AM	8/9/2017
17080343-019B	2531V-56-04 (6-12)		8/9/2017 10:28:00 AM	8/9/2017

Client: Huff & Huff, Inc.
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Work Order: 17080343 Revision 0

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
17080343-020A	2531V-56-04 (12-18)		8/9/2017 10:34:00 AM	8/9/2017
17080343-020B	2531V-56-04 (12-18)		8/9/2017 10:34:00 AM	8/9/2017
17080343-021A	2531V-56-05 (0-6)		8/9/2017 10:03:00 AM	8/9/2017
17080343-021B	2531V-56-05 (0-6)		8/9/2017 10:03:00 AM	8/9/2017
17080343-022A	2531V-56-05 (6-12)		8/9/2017 10:06:00 AM	8/9/2017
17080343-022B	2531V-56-05 (6-12)		8/9/2017 10:06:00 AM	8/9/2017
17080343-023A	2531V-56-05 (12-18)		8/9/2017 10:09:00 AM	8/9/2017
17080343-023B	2531V-56-05 (12-18)		8/9/2017 10:09:00 AM	8/9/2017
17080343-024A	2531V-56-06 (0-6)		8/9/2017 9:43:00 AM	8/9/2017
17080343-024B	2531V-56-06 (0-6)		8/9/2017 9:43:00 AM	8/9/2017
17080343-025A	2531V-56-06 (6-12)		8/9/2017 9:47:00 AM	8/9/2017
17080343-025B	2531V-56-06 (6-12)		8/9/2017 9:47:00 AM	8/9/2017
17080343-026A	2531V-56-06 (12-18)		8/9/2017 9:50:00 AM	8/9/2017
17080343-026B	2531V-56-06 (12-18)		8/9/2017 9:50:00 AM	8/9/2017
17080343-027A	2531V-56-07 (0-6)		8/9/2017 9:34:00 AM	8/9/2017
17080343-027B	2531V-56-07 (0-6)		8/9/2017 9:34:00 AM	8/9/2017
17080343-028A	2531V-56-07 (6-12)		8/9/2017 9:37:00 AM	8/9/2017
17080343-028B	2531V-56-07 (6-12)		8/9/2017 9:37:00 AM	8/9/2017
17080343-029A	2531V-56-07 (12-18)		8/9/2017 9:40:00 AM	8/9/2017
17080343-029B	2531V-56-07 (12-18)		8/9/2017 9:40:00 AM	8/9/2017
17080343-030A	2531V-DUP-10		8/9/2017 10:30:00 AM	8/9/2017
17080343-030B	2531V-DUP-10		8/9/2017 10:30:00 AM	8/9/2017
17080343-031A	2531V-DUP-14		8/9/2017 11:00:00 AM	8/9/2017
17080343-031B	2531V-DUP-14		8/9/2017 11:00:00 AM	8/9/2017
17080343-032A	2531V-DUP-13		8/9/2017 8:55:00 AM	8/9/2017
17080343-032B	2531V-DUP-13		8/9/2017 8:55:00 AM	8/9/2017
17080343-033A	2531V-DUP-12		8/9/2017 12:00:00 PM	8/9/2017
17080343-033B	2531V-DUP-12		8/9/2017 12:00:00 PM	8/9/2017
17080343-034A	2531V-DUP-11		8/9/2017 1:00:00 PM	8/9/2017
17080343-034B	2531V-DUP-11		8/9/2017 1:00:00 PM	8/9/2017
17080343-035A	Trip Blank			8/9/2017

CLIENT: Huff & Huff, Inc.
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Work Order: 17080343 Revision 0

CASE NARRATIVE

Due to matrix interference, the SVOC results for sample SVOC 2531V-56-01 (0-6) (17080343-009) are reported with elevated reporting limits.

Please refer to Analytical QC Summary Report for QC outliers.

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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:08:00 AM

Lab ID: 17080343-001A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: JNM
Acetone	ND	0.067		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0045		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0045		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0089		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.067		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.045		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0045		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0045		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0089		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0045		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0089		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0045		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0045		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0089		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0045		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0045		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0045		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0045		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/16/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:08:00 AM

Lab ID: 17080343-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/12/2017	Analyst: DM

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017

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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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:08:00 AM

Lab ID: 17080343-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	12000	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	12	1.0		mg/Kg-dry	10	8/15/2017
Barium	72	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.87	0.51		mg/Kg-dry	10	8/15/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:08:00 AM

Lab ID: 17080343-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/15/2017
Calcium	65000	61		mg/Kg-dry	10	8/15/2017
Chromium	22	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	15	1.0		mg/Kg-dry	10	8/15/2017
Copper	30	2.6		mg/Kg-dry	10	8/15/2017
Iron	30000	31		mg/Kg-dry	10	8/15/2017
Lead	23	0.51		mg/Kg-dry	10	8/15/2017
Magnesium	39000	31		mg/Kg-dry	10	8/15/2017
Manganese	550	1.0		mg/Kg-dry	10	8/15/2017
Nickel	36	1.0		mg/Kg-dry	10	8/15/2017
Potassium	2000	31		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	1400	61		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	27	1.0		mg/Kg-dry	10	8/15/2017
Zinc	75	5.1		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	0.16	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	ND	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	0.62	0.10		mg/L	2	8/18/2017
Lead	ND	0.0020		mg/L	2	8/18/2017
Manganese	1.2	0.0040		mg/L	2	8/18/2017
Nickel	0.0040	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	ND	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.75	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:08:00 AM

Lab ID: 17080343-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.016	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.67	0.25		mg/L	5	8/18/2017
Lead	0.0057	0.0050		mg/L	5	8/18/2017
Manganese	7.1	0.010		mg/L	5	8/18/2017
Nickel	0.015	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.025	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/15/2017		Analyst: PBG	
pH	7.91			pH Units	1	8/15/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	14.0	0.2	*	wt%	1	8/15/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:35:00 AM

Lab ID: 17080343-002A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: JNM
Acetone	ND	0.079		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0052		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0052		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.079		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.052		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0052		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/16/2017

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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:35:00 AM

Lab ID: 17080343-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/12/2017	Analyst: DM

Acenaphthene	0.038	0.037		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/15/2017
Anthracene	0.14	0.037		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	0.81	0.037		mg/Kg-dry	1	8/15/2017
Benidine	ND	0.37		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	0.96	0.037		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	0.98	0.037		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	1.1	0.037		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	1.2	0.037		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.94		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	1.1	0.037		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	0.41	0.037		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:35:00 AM

Lab ID: 17080343-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	2.1	0.037		mg/Kg-dry	1	8/15/2017
Fluorene	0.053	0.037		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	0.86	0.037		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.076		mg/Kg-dry	1	8/15/2017
Phenanthrene	0.95	0.037		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	1.6	0.037		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.76		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	3700	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	4.2	1.0		mg/Kg-dry	10	8/15/2017
Barium	67	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.50		mg/Kg-dry	10	8/15/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:35:00 AM

Lab ID: 17080343-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	0.92	0.50		mg/Kg-dry	10	8/15/2017
Calcium	160000	600		mg/Kg-dry	100	8/15/2017
Chromium	75	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	5.7	1.0		mg/Kg-dry	10	8/15/2017
Copper	68	2.5		mg/Kg-dry	10	8/15/2017
Iron	24000	30		mg/Kg-dry	10	8/15/2017
Lead	41	0.50		mg/Kg-dry	10	8/15/2017
Magnesium	91000	30		mg/Kg-dry	10	8/15/2017
Manganese	590	1.0		mg/Kg-dry	10	8/15/2017
Nickel	18	1.0		mg/Kg-dry	10	8/15/2017
Potassium	630	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	580	60		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	17	1.0		mg/Kg-dry	10	8/15/2017
Zinc	230	5.0		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.0045	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	2.8	0.10		mg/L	2	8/18/2017
Lead	0.0035	0.0020		mg/L	2	8/18/2017
Manganese	0.020	0.0040		mg/L	2	8/18/2017
Nickel	0.0044	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.028	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.47	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:35:00 AM

Lab ID: 17080343-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.014	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.85	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	4.3	0.010		mg/L	5	8/18/2017
Nickel	0.018	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.020		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/15/2017		Analyst: PBG	
pH	8.21			pH Units	1	8/15/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	11.9	0.2	*	wt%	1	8/15/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:19:00 AM

Lab ID: 17080343-003A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: ERP
Acetone	ND	0.071		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0094		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.071		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0094		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0094		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0094		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/16/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:19:00 AM

Lab ID: 17080343-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/12/2017		Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.93		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.93		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.93		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:19:00 AM

Lab ID: 17080343-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.075		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.75		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	10000	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	9.9	1.0		mg/Kg-dry	10	8/15/2017
Barium	56	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.73	0.51		mg/Kg-dry	10	8/15/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:19:00 AM

Lab ID: 17080343-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/15/2017
Calcium	110000	61		mg/Kg-dry	10	8/15/2017
Chromium	20	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	13	1.0		mg/Kg-dry	10	8/15/2017
Copper	28	2.5		mg/Kg-dry	10	8/15/2017
Iron	27000	30		mg/Kg-dry	10	8/15/2017
Lead	20	0.51		mg/Kg-dry	10	8/15/2017
Magnesium	61000	30		mg/Kg-dry	10	8/15/2017
Manganese	600	1.0		mg/Kg-dry	10	8/15/2017
Nickel	31	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1800	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	1800	61		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	25	1.0		mg/Kg-dry	10	8/15/2017
Zinc	65	5.1		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0042	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.0072	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	6.6	0.10		mg/L	2	8/18/2017
Lead	0.0061	0.0020		mg/L	2	8/18/2017
Manganese	0.066	0.0040		mg/L	2	8/18/2017
Nickel	0.0091	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.031	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.46	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:19:00 AM

Lab ID: 17080343-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/18/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.046	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	6.4	0.25		mg/L	5	8/18/2017
Lead	0.017	0.0050		mg/L	5	8/18/2017
Manganese	12	0.010		mg/L	5	8/18/2017
Nickel	0.047	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	0.077	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/18/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/16/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/15/2017 Analyst: LB
Mercury	0.021	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C					Prep Date: 8/16/2017 Analyst: RW
pH	8.82			pH Units	1	8/16/2017
Percent Moisture	D2974					Prep Date: 8/14/2017 Analyst: KKA
Percent Moisture	11.7	0.2	*	wt%	1	8/15/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-03 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:25:00 AM

Lab ID: 17080343-004A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: JNM
Acetone	ND	0.080		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0053		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0053		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.080		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.053		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0053		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0053		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0053		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0053		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0053		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0053		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0053		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-03 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:25:00 AM

Lab ID: 17080343-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/12/2017	Analyst: DM

Acenaphthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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Report Date: August 19, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-03 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:25:00 AM

Lab ID: 17080343-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/12/2017	Analyst: DM	

Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.81		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 8/11/2017	Analyst: JG	

Aluminum	23000	22		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/15/2017
Arsenic	17	1.1		mg/Kg-dry	10	8/15/2017
Barium	150	1.1		mg/Kg-dry	10	8/15/2017
Beryllium	1.6	0.54		mg/Kg-dry	10	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-03 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:25:00 AM

Lab ID: 17080343-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.54		mg/Kg-dry	10	8/15/2017
Calcium	33000	65		mg/Kg-dry	10	8/15/2017
Chromium	36	1.1		mg/Kg-dry	10	8/15/2017
Cobalt	21	1.1		mg/Kg-dry	10	8/15/2017
Copper	47	2.7		mg/Kg-dry	10	8/15/2017
Iron	46000	32		mg/Kg-dry	10	8/15/2017
Lead	31	0.54		mg/Kg-dry	10	8/15/2017
Magnesium	23000	32		mg/Kg-dry	10	8/15/2017
Manganese	390	1.1		mg/Kg-dry	10	8/15/2017
Nickel	56	1.1		mg/Kg-dry	10	8/15/2017
Potassium	2600	32		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/15/2017
Silver	ND	1.1		mg/Kg-dry	10	8/15/2017
Sodium	3700	65		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/15/2017
Vanadium	45	1.1		mg/Kg-dry	10	8/15/2017
Zinc	100	5.4		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0061	0.0040		mg/L	2	8/18/2017
Barium	0.037	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.015	0.0040		mg/L	2	8/18/2017
Cobalt	0.0056	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	13	0.10		mg/L	2	8/18/2017
Lead	0.0088	0.0020		mg/L	2	8/18/2017
Manganese	0.14	0.0040		mg/L	2	8/18/2017
Nickel	0.015	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.044	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.70	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-03 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:25:00 AM

Lab ID: 17080343-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.019	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.58	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	5.5	0.010		mg/L	5	8/18/2017
Nickel	0.024	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.028	0.024		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.10			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	18.3	0.2	*	wt%	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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S - Spike Recovery outside accepted recovery limits

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:16:00 AM

Lab ID: 17080343-005A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: JNM
Acetone	ND	0.085		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0057		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0057		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0057		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.085		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.057		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0057		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0057		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0057		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0057		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0057		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0057		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0057		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0057		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0057		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0057		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0057		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.023		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.023		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0057		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0057		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0057		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0057		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0057		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0057		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0057		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0057		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0057		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.017		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:16:00 AM

Lab ID: 17080343-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/12/2017	Analyst: DM

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.95		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.95		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.95		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:16:00 AM

Lab ID: 17080343-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/12/2017 Analyst: DM
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/15/2017
Phenanthrene	0.069	0.038		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/11/2017 Analyst: JG
Aluminum	8400	21		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/15/2017
Arsenic	12	1.0		mg/Kg-dry	10	8/15/2017
Barium	42	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.58	0.52		mg/Kg-dry	10	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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Report Date: August 19, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:16:00 AM

Lab ID: 17080343-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/15/2017
Calcium	110000	63		mg/Kg-dry	10	8/15/2017
Chromium	20	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	11	1.0		mg/Kg-dry	10	8/15/2017
Copper	29	2.6		mg/Kg-dry	10	8/15/2017
Iron	29000	31		mg/Kg-dry	10	8/15/2017
Lead	18	0.52		mg/Kg-dry	10	8/15/2017
Magnesium	64000	31		mg/Kg-dry	10	8/15/2017
Manganese	530	1.0		mg/Kg-dry	10	8/15/2017
Nickel	28	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1700	31		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	2200	63		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	22	1.0		mg/Kg-dry	10	8/15/2017
Zinc	60	5.2		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.017	0.0040		mg/L	2	8/18/2017
Barium	0.092	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.034	0.0040		mg/L	2	8/18/2017
Cobalt	0.019	0.0040		mg/L	2	8/18/2017
Copper	0.048	0.040		mg/L	2	8/18/2017
Iron	38	0.10		mg/L	2	8/18/2017
Lead	0.022	0.0020		mg/L	2	8/18/2017
Manganese	0.41	0.0040		mg/L	2	8/18/2017
Nickel	0.050	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.11	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	ND	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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STAT Analysis Corporation

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

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:16:00 AM

Lab ID: 17080343-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	0.016	0.010		mg/L	5	8/18/2017
Cobalt	ND	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	14	0.25		mg/L	5	8/18/2017
Lead	0.0077	0.0050		mg/L	5	8/18/2017
Manganese	0.14	0.010		mg/L	5	8/18/2017
Nickel	0.018	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.023		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.52			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	13.6	0.2	*	wt%	1	8/15/2017

Qualifiers:

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-04 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:30:00 AM

Lab ID: 17080343-006A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: JNM
Acetone	ND	0.071		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0094		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.071		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0094		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0094		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0094		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-04 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:30:00 AM

Lab ID: 17080343-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/12/2017		Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.94		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-04 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:30:00 AM

Lab ID: 17080343-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.076		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.76		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	7900	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	7.6	0.99		mg/Kg-dry	10	8/15/2017
Barium	44	0.99		mg/Kg-dry	10	8/15/2017
Beryllium	0.53	0.50		mg/Kg-dry	10	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-04 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:30:00 AM

Lab ID: 17080343-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/15/2017
Calcium	120000	60		mg/Kg-dry	10	8/15/2017
Chromium	16	0.99		mg/Kg-dry	10	8/15/2017
Cobalt	10	0.99		mg/Kg-dry	10	8/15/2017
Copper	20	2.5		mg/Kg-dry	10	8/15/2017
Iron	20000	30		mg/Kg-dry	10	8/15/2017
Lead	17	0.50		mg/Kg-dry	10	8/15/2017
Magnesium	55000	30		mg/Kg-dry	10	8/15/2017
Manganese	460	0.99		mg/Kg-dry	10	8/15/2017
Nickel	24	0.99		mg/Kg-dry	10	8/15/2017
Potassium	1500	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/15/2017
Silver	ND	0.99		mg/Kg-dry	10	8/15/2017
Sodium	2100	60		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/15/2017
Vanadium	20	0.99		mg/Kg-dry	10	8/15/2017
Zinc	51	5.0		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.019	0.0040		mg/L	2	8/18/2017
Barium	0.092	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.033	0.0040		mg/L	2	8/18/2017
Cobalt	0.020	0.0040		mg/L	2	8/18/2017
Copper	0.048	0.040		mg/L	2	8/18/2017
Iron	37	0.10		mg/L	2	8/18/2017
Lead	0.025	0.0020		mg/L	2	8/18/2017
Manganese	0.46	0.0040		mg/L	2	8/18/2017
Nickel	0.049	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.11	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.45	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-04 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:30:00 AM

Lab ID: 17080343-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.11	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	2.2	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	12	0.010		mg/L	5	8/18/2017
Nickel	0.084	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.026	0.021		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	9.04			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	12.3	0.2	*	wt%	1	8/15/2017

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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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:37:00 AM

Lab ID: 17080343-007A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: JNM
Acetone	ND	0.094		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0062		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0062		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0062		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.012		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.094		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.062		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0062		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0062		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.012		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0062		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.012		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0062		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0062		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0062		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0062		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0062		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0062		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0062		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0025		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0025		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0062		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.025		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.025		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.012		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0062		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0062		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0062		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0062		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0062		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0062		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0062		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0062		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0062		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.019		mg/Kg-dry	1	8/16/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:37:00 AM

Lab ID: 17080343-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/12/2017		Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	0.092	0.037		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	0.12	0.037		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.94		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	0.13	0.037		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017

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

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:37:00 AM

Lab ID: 17080343-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	0.21	0.037		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	0.089	0.037		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.076		mg/Kg-dry	1	8/15/2017
Phenanthrene	0.094	0.037		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	0.18	0.037		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.76		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	11000	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	7.5	1.0		mg/Kg-dry	10	8/15/2017
Barium	130	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.84	0.51		mg/Kg-dry	10	8/15/2017

Qualifiers:

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:37:00 AM

Lab ID: 17080343-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/15/2017
Calcium	11000	61		mg/Kg-dry	10	8/15/2017
Chromium	20	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	14	1.0		mg/Kg-dry	10	8/15/2017
Copper	24	2.5		mg/Kg-dry	10	8/15/2017
Iron	21000	31		mg/Kg-dry	10	8/15/2017
Lead	34	0.51		mg/Kg-dry	10	8/15/2017
Magnesium	7500	31		mg/Kg-dry	10	8/15/2017
Manganese	1200	1.0		mg/Kg-dry	10	8/15/2017
Nickel	21	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1400	31		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	1000	61		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	30	1.0		mg/Kg-dry	10	8/15/2017
Zinc	85	5.1		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0091	0.0040		mg/L	2	8/18/2017
Barium	0.072	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.023	0.0040		mg/L	2	8/18/2017
Cobalt	0.0062	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	19	0.10		mg/L	2	8/18/2017
Lead	0.015	0.0020		mg/L	2	8/18/2017
Manganese	0.17	0.0040		mg/L	2	8/18/2017
Nickel	0.017	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.077	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.59	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:37:00 AM

Lab ID: 17080343-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	ND	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.68	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	0.19	0.010		mg/L	5	8/18/2017
Nickel	ND	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	0.13	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.040	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.73			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	12.4	0.2	*	wt%	1	8/15/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:34:00 AM

Lab ID: 17080343-008A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: JNM
Acetone	ND	0.053		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0035		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0035		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0035		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0070		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.053		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.035		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0035		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0035		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0070		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0035		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0070		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0035		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0035		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0035		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0035		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0035		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0035		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0035		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0014		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0014		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0035		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.014		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.014		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0070		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0035		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0035		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0035		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0035		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0035		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0035		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0035		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0035		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0035		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.011		mg/Kg-dry	1	8/16/2017

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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:34:00 AM

Lab ID: 17080343-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/12/2017		Analyst: DM

Acenaphthene	ND	0.041		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.041		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.42		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.41		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.041		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/15/2017

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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STAT Analysis Corporation

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

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:34:00 AM

Lab ID: 17080343-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Fluoranthene	0.051	0.041		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.041		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.041		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.041		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.084		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.041		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Pyrene	0.045	0.041		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.84		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	15000	23		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.3		mg/Kg-dry	10	8/15/2017
Arsenic	13	1.1		mg/Kg-dry	10	8/15/2017
Barium	88	1.1		mg/Kg-dry	10	8/15/2017
Beryllium	0.99	0.57		mg/Kg-dry	10	8/15/2017

Qualifiers:

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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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:34:00 AM

Lab ID: 17080343-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.57		mg/Kg-dry	10	8/15/2017
Calcium	68000	68		mg/Kg-dry	10	8/15/2017
Chromium	27	1.1		mg/Kg-dry	10	8/15/2017
Cobalt	16	1.1		mg/Kg-dry	10	8/15/2017
Copper	41	2.8		mg/Kg-dry	10	8/15/2017
Iron	33000	34		mg/Kg-dry	10	8/15/2017
Lead	46	0.57		mg/Kg-dry	10	8/15/2017
Magnesium	41000	34		mg/Kg-dry	10	8/15/2017
Manganese	710	1.1		mg/Kg-dry	10	8/15/2017
Nickel	36	1.1		mg/Kg-dry	10	8/15/2017
Potassium	1900	34		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/15/2017
Silver	ND	1.1		mg/Kg-dry	10	8/15/2017
Sodium	2800	68		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/15/2017
Vanadium	33	1.1		mg/Kg-dry	10	8/15/2017
Zinc	110	5.7		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.018	0.0040		mg/L	2	8/18/2017
Barium	0.099	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.037	0.0040		mg/L	2	8/18/2017
Cobalt	0.011	0.0040		mg/L	2	8/18/2017
Copper	0.049	0.040		mg/L	2	8/18/2017
Iron	37	0.10		mg/L	2	8/18/2017
Lead	0.038	0.0020		mg/L	2	8/18/2017
Manganese	0.21	0.0040		mg/L	2	8/18/2017
Nickel	0.042	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.19	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.42	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:34:00 AM

Lab ID: 17080343-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/18/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.032	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.37	0.25		mg/L	5	8/18/2017
Lead	0.016	0.0050		mg/L	5	8/18/2017
Manganese	9.3	0.010		mg/L	5	8/18/2017
Nickel	0.070	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	23	0.50		mg/L	50	8/18/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/18/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/16/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/15/2017 Analyst: LB
Mercury	0.046	0.025		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C					Prep Date: 8/16/2017 Analyst: RW
pH	8.87			pH Units	1	8/16/2017
Percent Moisture	D2974					Prep Date: 8/14/2017 Analyst: KKA
Percent Moisture	20.4	0.2	*	wt%	1	8/15/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:23:00 AM

Lab ID: 17080343-009A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: ERP
Acetone	ND	0.065		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0087		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.065		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.044		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0087		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0087		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0087		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/16/2017

Qualifiers:

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J - Analyte detected below quantitation limits

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* - Non-accredited parameter

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:23:00 AM

Lab ID: 17080343-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/12/2017		Analyst: DM

Acenaphthene	ND	0.48		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.48		mg/Kg-dry	1	8/15/2017
Aniline	ND	4.9		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.48		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.48		mg/Kg-dry	1	8/15/2017
Benzidine	ND	4.8		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.48		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.48		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.48		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.48		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	12		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	2.5		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	2.5		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	2.5		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	12		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	2.5		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	2.5		mg/Kg-dry	1	8/15/2017
Carbazole	ND	2.5		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	2.5		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	4.8		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	2.5		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	2.5		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	2.5		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.48		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.48		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	2.5		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	2.5		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	2.5		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	2.5		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	2.5		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	2.5		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	2.5		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	2.5		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	2.5		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	4.8		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	12		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.48		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.48		mg/Kg-dry	1	8/15/2017

Qualifiers:

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RL - Reporting / Quantitation Limit for the analysis

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E - Value above quantitation range

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STAT Analysis Corporation

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:23:00 AM

Lab ID: 17080343-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	2.5		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	2.5		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.48		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.48		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	2.5		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	2.5		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	2.5		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	2.5		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.48		mg/Kg-dry	1	8/15/2017
Isophorone	ND	2.5		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	2.5		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	2.5		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	2.5		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.48		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	2.5		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	2.5		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	2.5		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	2.5		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	4.8		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.48		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.48		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	2.5		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	2.5		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	2.5		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.98		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.48		mg/Kg-dry	1	8/15/2017
Phenol	ND	2.5		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.48		mg/Kg-dry	1	8/15/2017
Pyridine	ND	9.8		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	2.5		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	2.5		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	2.5		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	8100	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	10	0.99		mg/Kg-dry	10	8/15/2017
Barium	67	0.99		mg/Kg-dry	10	8/15/2017
Beryllium	0.59	0.50		mg/Kg-dry	10	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:23:00 AM

Lab ID: 17080343-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/15/2017
Calcium	92000	60		mg/Kg-dry	10	8/15/2017
Chromium	15	0.99		mg/Kg-dry	10	8/15/2017
Cobalt	11	0.99		mg/Kg-dry	10	8/15/2017
Copper	26	2.5		mg/Kg-dry	10	8/15/2017
Iron	24000	30		mg/Kg-dry	10	8/15/2017
Lead	24	0.50		mg/Kg-dry	10	8/15/2017
Magnesium	53000	30		mg/Kg-dry	10	8/15/2017
Manganese	690	0.99		mg/Kg-dry	10	8/15/2017
Nickel	25	0.99		mg/Kg-dry	10	8/15/2017
Potassium	1000	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/15/2017
Silver	ND	0.99		mg/Kg-dry	10	8/15/2017
Sodium	1100	60		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/15/2017
Vanadium	21	0.99		mg/Kg-dry	10	8/15/2017
Zinc	81	5.0		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.0071	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	6.8	0.10		mg/L	2	8/18/2017
Lead	0.0034	0.0020		mg/L	2	8/18/2017
Manganese	0.052	0.0040		mg/L	2	8/18/2017
Nickel	0.0087	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.033	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	1.0	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:23:00 AM

Lab ID: 17080343-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.022	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.89	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	8.8	0.010		mg/L	5	8/18/2017
Nickel	0.020	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.020	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.05			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	11.9	0.2	*	wt%	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:26:00 AM

Lab ID: 17080343-010A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: JNM
Acetone	ND	0.089		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0060		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0060		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0060		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.012		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.089		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.060		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0060		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0060		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.012		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0060		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.012		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0060		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0060		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0060		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0060		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0060		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0060		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0060		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0060		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.024		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.024		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.012		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0060		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0060		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0060		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0060		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0060		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0060		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0060		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0060		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0060		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.018		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:26:00 AM

Lab ID: 17080343-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/12/2017		Analyst: DM

Acenaphthene	ND	0.043		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.043		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.43		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.043		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.043		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.43		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.043		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.043		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.043		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.043		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	1.1		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.43		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.043		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.043		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.22		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.43		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

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Report Date: August 19, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:26:00 AM

Lab ID: 17080343-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.043		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.043		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.22		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.043		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.22		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.22		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.043		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.43		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.043		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.043		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.086		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.043		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.22		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.043		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.86		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	12000	23		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.3		mg/Kg-dry	10	8/15/2017
Arsenic	6.3	1.1		mg/Kg-dry	10	8/15/2017
Barium	130	1.1		mg/Kg-dry	10	8/15/2017
Beryllium	0.81	0.56		mg/Kg-dry	10	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

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S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:26:00 AM

Lab ID: 17080343-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.56		mg/Kg-dry	10	8/15/2017
Calcium	5100	68		mg/Kg-dry	10	8/15/2017
Chromium	22	1.1		mg/Kg-dry	10	8/15/2017
Cobalt	9.2	1.1		mg/Kg-dry	10	8/15/2017
Copper	19	2.8		mg/Kg-dry	10	8/15/2017
Iron	21000	34		mg/Kg-dry	10	8/15/2017
Lead	14	0.56		mg/Kg-dry	10	8/15/2017
Magnesium	5500	34		mg/Kg-dry	10	8/15/2017
Manganese	550	1.1		mg/Kg-dry	10	8/15/2017
Nickel	28	1.1		mg/Kg-dry	10	8/15/2017
Potassium	1500	34		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/15/2017
Silver	ND	1.1		mg/Kg-dry	10	8/15/2017
Sodium	570	68		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/15/2017
Vanadium	28	1.1		mg/Kg-dry	10	8/15/2017
Zinc	81	5.6		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0085	0.0040		mg/L	2	8/18/2017
Barium	0.031	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.012	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	12	0.10		mg/L	2	8/18/2017
Lead	0.0041	0.0020		mg/L	2	8/18/2017
Manganese	0.044	0.0040		mg/L	2	8/18/2017
Nickel	0.0088	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.039	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.41	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:26:00 AM

Lab ID: 17080343-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	ND	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.54	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	2.5	0.010		mg/L	5	8/18/2017
Nickel	0.061	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.032	0.026		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	7.61			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	23.1	0.2	*	wt%	1	8/15/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:29:00 AM

Lab ID: 17080343-011A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: ERP
Acetone	ND	0.078		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0052		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0052		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.078		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.052		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0052		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/16/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:29:00 AM

Lab ID: 17080343-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/12/2017	Analyst: DM

Acenaphthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:29:00 AM

Lab ID: 17080343-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.81		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	8100	21		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/15/2017
Arsenic	7.5	1.0		mg/Kg-dry	10	8/15/2017
Barium	52	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.64	0.52		mg/Kg-dry	10	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:29:00 AM

Lab ID: 17080343-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/15/2017
Calcium	80000	62		mg/Kg-dry	10	8/15/2017
Chromium	17	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	11	1.0		mg/Kg-dry	10	8/15/2017
Copper	29	2.6		mg/Kg-dry	10	8/15/2017
Iron	28000	31		mg/Kg-dry	10	8/15/2017
Lead	16	0.52		mg/Kg-dry	10	8/15/2017
Magnesium	42000	31		mg/Kg-dry	10	8/15/2017
Manganese	480	1.0		mg/Kg-dry	10	8/15/2017
Nickel	35	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1600	31		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	200	62		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	24	1.0		mg/Kg-dry	10	8/15/2017
Zinc	82	5.2		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.0049	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	3.7	0.10		mg/L	2	8/18/2017
Lead	0.0023	0.0020		mg/L	2	8/18/2017
Manganese	0.020	0.0040		mg/L	2	8/18/2017
Nickel	0.0051	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.024	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.39	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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R - RPD outside accepted recovery limits

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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:29:00 AM

Lab ID: 17080343-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.021	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	3.1	0.010		mg/L	5	8/18/2017
Nickel	0.046	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.022		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	7.96			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	17.8	0.2	*	wt%	1	8/15/2017

Qualifiers:

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:59:00 AM

Lab ID: 17080343-012A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: ERP
Acetone	ND	0.069		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0046		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0092		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.069		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.046		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0092		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0046		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0092		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0092		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:59:00 AM

Lab ID: 17080343-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/12/2017	Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.92		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.92		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.92		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:59:00 AM

Lab ID: 17080343-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.075		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.75		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	8800	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	5.0	1.0		mg/Kg-dry	10	8/15/2017
Barium	38	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.60	0.51		mg/Kg-dry	10	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:59:00 AM

Lab ID: 17080343-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/15/2017
Calcium	120000	61		mg/Kg-dry	10	8/15/2017
Chromium	18	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	10	1.0		mg/Kg-dry	10	8/15/2017
Copper	19	2.5		mg/Kg-dry	10	8/15/2017
Iron	18000	30		mg/Kg-dry	10	8/15/2017
Lead	10	0.51		mg/Kg-dry	10	8/15/2017
Magnesium	62000	30		mg/Kg-dry	10	8/15/2017
Manganese	470	1.0		mg/Kg-dry	10	8/15/2017
Nickel	25	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1800	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	1600	61		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	22	1.0		mg/Kg-dry	10	8/15/2017
Zinc	40	5.1		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0081	0.0040		mg/L	2	8/18/2017
Barium	0.052	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.022	0.0040		mg/L	2	8/18/2017
Cobalt	0.0070	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	19	0.10		mg/L	2	8/18/2017
Lead	0.0085	0.0020		mg/L	2	8/18/2017
Manganese	0.14	0.0040		mg/L	2	8/18/2017
Nickel	0.022	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.059	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.20	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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R - RPD outside accepted recovery limits

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H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:59:00 AM

Lab ID: 17080343-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.041	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	4.9	0.010		mg/L	5	8/18/2017
Nickel	0.045	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	0.056	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	9.28			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	11.1	0.2	*	wt%	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:02:00 AM

Lab ID: 17080343-013A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: ERP
Acetone	ND	0.060		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0040		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0040		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0079		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.060		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.040		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0040		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0040		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0079		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0040		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0079		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0040		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0040		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0040		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0040		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.016		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.016		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0079		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0040		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0040		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0040		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0040		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.012		mg/Kg-dry	1	8/16/2017

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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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:02:00 AM

Lab ID: 17080343-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017	Analyst: DM	

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017

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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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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:02:00 AM

Lab ID: 17080343-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.78		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	8200	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	6.0	1.0		mg/Kg-dry	10	8/15/2017
Barium	37	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.55	0.51		mg/Kg-dry	10	8/15/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:02:00 AM

Lab ID: 17080343-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/15/2017
Calcium	140000	610		mg/Kg-dry	100	8/15/2017
Chromium	19	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	9.4	1.0		mg/Kg-dry	10	8/15/2017
Copper	18	2.6		mg/Kg-dry	10	8/15/2017
Iron	18000	31		mg/Kg-dry	10	8/15/2017
Lead	9.8	0.51		mg/Kg-dry	10	8/15/2017
Magnesium	68000	31		mg/Kg-dry	10	8/15/2017
Manganese	470	1.0		mg/Kg-dry	10	8/15/2017
Nickel	22	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1800	31		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	1100	61		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	22	1.0		mg/Kg-dry	10	8/15/2017
Zinc	39	5.1		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0042	0.0040		mg/L	2	8/18/2017
Barium	0.031	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.013	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	9.2	0.10		mg/L	2	8/18/2017
Lead	0.0049	0.0020		mg/L	2	8/18/2017
Manganese	0.071	0.0040		mg/L	2	8/18/2017
Nickel	0.0099	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.032	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.39	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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RL - Reporting / Quantitation Limit for the analysis

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R - RPD outside accepted recovery limits

E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:02:00 AM

Lab ID: 17080343-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)			Prep Date: 8/18/2017	Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.044	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	4.7	0.010		mg/L	5	8/18/2017
Nickel	0.025	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A			Prep Date: 8/18/2017	Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A			Prep Date: 8/16/2017	Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A			Prep Date: 8/15/2017	Analyst: LB	
Mercury	ND	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C			Prep Date: 8/16/2017	Analyst: RW	
pH	8.50			pH Units	1	8/16/2017
Percent Moisture	D2974			Prep Date: 8/14/2017	Analyst: KKA	
Percent Moisture	14.3	0.2	*	wt%	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:08:00 AM

Lab ID: 17080343-014A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: ERP
Acetone	ND	0.074		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0049		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0099		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.074		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.049		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0099		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0049		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0099		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0099		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/16/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

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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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:08:00 AM

Lab ID: 17080343-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.035		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.035		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.35		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.035		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.035		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.35		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.035		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.035		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.035		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.035		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.87		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.87		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.35		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.035		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.035		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.35		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.87		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.035		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.035		mg/Kg-dry	1	8/15/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:08:00 AM

Lab ID: 17080343-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS

SW8270C (SW3550B)

Prep Date: 8/14/2017

Analyst: DM

Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.035		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.035		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.035		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.035		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.35		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.035		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.035		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.070		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.035		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.035		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.70		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Aluminum	2900	19		mg/Kg-dry	10	8/15/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/15/2017
Arsenic	4.0	0.94		mg/Kg-dry	10	8/15/2017
Barium	18	0.94		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.47		mg/Kg-dry	10	8/15/2017

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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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:08:00 AM

Lab ID: 17080343-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.47		mg/Kg-dry	10	8/15/2017
Calcium	220000	570		mg/Kg-dry	100	8/15/2017
Chromium	7.2	0.94		mg/Kg-dry	10	8/15/2017
Cobalt	5.1	0.94		mg/Kg-dry	10	8/15/2017
Copper	11	2.4		mg/Kg-dry	10	8/15/2017
Iron	11000	28		mg/Kg-dry	10	8/15/2017
Lead	5.2	0.47		mg/Kg-dry	10	8/15/2017
Magnesium	130000	280		mg/Kg-dry	100	8/15/2017
Manganese	480	0.94		mg/Kg-dry	10	8/15/2017
Nickel	12	0.94		mg/Kg-dry	10	8/15/2017
Potassium	940	28		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.94		mg/Kg-dry	10	8/15/2017
Silver	ND	0.94		mg/Kg-dry	10	8/15/2017
Sodium	410	57		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.94		mg/Kg-dry	10	8/15/2017
Vanadium	9.5	0.94		mg/Kg-dry	10	8/15/2017
Zinc	21	4.7		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	ND	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	0.14	0.10		mg/L	2	8/18/2017
Lead	ND	0.0020		mg/L	2	8/18/2017
Manganese	ND	0.0040		mg/L	2	8/18/2017
Nickel	ND	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	ND	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.21	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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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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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:08:00 AM

Lab ID: 17080343-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	ND	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	0.94	0.010		mg/L	5	8/18/2017
Nickel	0.015	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.018		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.38			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	5.6	0.2	*	wt%	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:39:00 AM

Lab ID: 17080343-015A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: ERP
Acetone	ND	0.062		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0041		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0083		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.062		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.041		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0041		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0083		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0041		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0083		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0041		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0041		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0083		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0041		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0041		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.012		mg/Kg-dry	1	8/16/2017

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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:39:00 AM

Lab ID: 17080343-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017		Analyst: DM

Acenaphthene	ND	0.036		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.036		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.036		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.036		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.36		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.92		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.92		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.036		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.92		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:39:00 AM

Lab ID: 17080343-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.036		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.036		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.036		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.036		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.074		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.036		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.036		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.74		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	4900	19		mg/Kg-dry	10	8/15/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/15/2017
Arsenic	5.3	0.96		mg/Kg-dry	10	8/15/2017
Barium	29	0.96		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.48		mg/Kg-dry	10	8/15/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:39:00 AM

Lab ID: 17080343-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/15/2017
Calcium	170000	570		mg/Kg-dry	100	8/15/2017
Chromium	11	0.96		mg/Kg-dry	10	8/15/2017
Cobalt	6.7	0.96		mg/Kg-dry	10	8/15/2017
Copper	15	2.4		mg/Kg-dry	10	8/15/2017
Iron	14000	29		mg/Kg-dry	10	8/15/2017
Lead	7.9	0.48		mg/Kg-dry	10	8/15/2017
Magnesium	75000	29		mg/Kg-dry	10	8/15/2017
Manganese	440	0.96		mg/Kg-dry	10	8/15/2017
Nickel	14	0.96		mg/Kg-dry	10	8/15/2017
Potassium	1000	29		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.96		mg/Kg-dry	10	8/15/2017
Silver	ND	0.96		mg/Kg-dry	10	8/15/2017
Sodium	1500	57		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.96		mg/Kg-dry	10	8/15/2017
Vanadium	15	0.96		mg/Kg-dry	10	8/15/2017
Zinc	33	4.8		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0081	0.0040		mg/L	2	8/18/2017
Barium	0.048	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.017	0.0040		mg/L	2	8/18/2017
Cobalt	0.0072	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	17	0.10		mg/L	2	8/18/2017
Lead	0.0080	0.0020		mg/L	2	8/18/2017
Manganese	0.19	0.0040		mg/L	2	8/18/2017
Nickel	0.020	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.060	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.20	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:39:00 AM

Lab ID: 17080343-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.048	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	4.5	0.010		mg/L	5	8/18/2017
Nickel	0.047	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.74			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	10	0.2	*	wt%	1	8/15/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:43:00 AM

Lab ID: 17080343-016A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: ERP
Acetone	ND	0.085		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0056		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0056		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.085		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.056		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0056		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0056		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0056		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0056		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0056		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.023		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.023		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0056		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0056		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.017		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:43:00 AM

Lab ID: 17080343-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.93		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.93		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.93		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017

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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:43:00 AM

Lab ID: 17080343-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.075		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.75		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	1500	19		mg/Kg-dry	10	8/15/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/15/2017
Arsenic	13	0.95		mg/Kg-dry	10	8/15/2017
Barium	10	0.95		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.47		mg/Kg-dry	10	8/15/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:43:00 AM

Lab ID: 17080343-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.47		mg/Kg-dry	10	8/15/2017
Calcium	190000	570		mg/Kg-dry	100	8/15/2017
Chromium	5.6	0.95		mg/Kg-dry	10	8/15/2017
Cobalt	3.9	0.95		mg/Kg-dry	10	8/15/2017
Copper	14	2.4		mg/Kg-dry	10	8/15/2017
Iron	19000	28		mg/Kg-dry	10	8/15/2017
Lead	7.4	0.47		mg/Kg-dry	10	8/15/2017
Magnesium	100000	28		mg/Kg-dry	10	8/15/2017
Manganese	360	0.95		mg/Kg-dry	10	8/15/2017
Nickel	9.3	0.95		mg/Kg-dry	10	8/15/2017
Potassium	400	28		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.95		mg/Kg-dry	10	8/15/2017
Silver	ND	0.95		mg/Kg-dry	10	8/15/2017
Sodium	650	57		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.95		mg/Kg-dry	10	8/15/2017
Vanadium	9.1	0.95		mg/Kg-dry	10	8/15/2017
Zinc	24	4.7		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	ND	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	ND	0.10		mg/L	2	8/18/2017
Lead	ND	0.0020		mg/L	2	8/18/2017
Manganese	ND	0.0040		mg/L	2	8/18/2017
Nickel	ND	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	ND	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.10	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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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RL - Reporting / Quantitation Limit for the analysis

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:43:00 AM

Lab ID: 17080343-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.019	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	2.2	0.010		mg/L	5	8/18/2017
Nickel	0.041	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.021		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.76			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	10.4	0.2	*	wt%	1	8/15/2017

Qualifiers:

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S - Spike Recovery outside accepted recovery limits

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:46:00 AM

Lab ID: 17080343-017A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: ERP
Acetone	ND	0.083		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0056		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0056		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.083		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.056		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0056		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0056		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0056		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0056		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0056		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.022		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0056		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0056		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.017		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:46:00 AM

Lab ID: 17080343-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017		Analyst: DM

Acenaphthene	ND	0.034		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.034		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.35		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.034		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.034		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.34		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.034		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.034		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.034		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.034		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.86		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.86		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.34		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.034		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.034		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.34		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.86		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.034		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.034		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:46:00 AM

Lab ID: 17080343-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.034		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.034		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.034		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.034		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.34		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.034		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.034		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.070		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.034		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.034		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.70		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	1400	19		mg/Kg-dry	10	8/15/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/15/2017
Arsenic	4.7	0.94		mg/Kg-dry	10	8/15/2017
Barium	8.2	0.94		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.47		mg/Kg-dry	10	8/15/2017

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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RL - Reporting / Quantitation Limit for the analysis

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Report Date: August 19, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:46:00 AM

Lab ID: 17080343-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.47		mg/Kg-dry	10	8/15/2017
Calcium	230000	570		mg/Kg-dry	100	8/15/2017
Chromium	6.0	0.94		mg/Kg-dry	10	8/15/2017
Cobalt	3.2	0.94		mg/Kg-dry	10	8/15/2017
Copper	9.3	2.4		mg/Kg-dry	10	8/15/2017
Iron	10000	28		mg/Kg-dry	10	8/15/2017
Lead	4.2	0.47		mg/Kg-dry	10	8/15/2017
Magnesium	120000	28		mg/Kg-dry	10	8/15/2017
Manganese	370	0.94		mg/Kg-dry	10	8/15/2017
Nickel	6.9	0.94		mg/Kg-dry	10	8/15/2017
Potassium	450	28		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.94		mg/Kg-dry	10	8/15/2017
Silver	ND	0.94		mg/Kg-dry	10	8/15/2017
Sodium	580	57		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.94		mg/Kg-dry	10	8/15/2017
Vanadium	7.2	0.94		mg/Kg-dry	10	8/15/2017
Zinc	18	4.7		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	ND	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	ND	0.10		mg/L	2	8/18/2017
Lead	ND	0.0020		mg/L	2	8/18/2017
Manganese	ND	0.0040		mg/L	2	8/18/2017
Nickel	ND	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	ND	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.084	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:46:00 AM

Lab ID: 17080343-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	ND	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	1.7	0.010		mg/L	5	8/18/2017
Nickel	0.025	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.018		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.77			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	4.3	0.2	*	wt%	1	8/15/2017

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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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:25:00 AM

Lab ID: 17080343-018A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: ERP
Acetone	ND	0.070		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0093		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.070		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0093		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0093		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0093		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/16/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:25:00 AM

Lab ID: 17080343-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017		Analyst: DM

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:25:00 AM

Lab ID: 17080343-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	10000	21		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/15/2017
Arsenic	8.3	1.0		mg/Kg-dry	10	8/15/2017
Barium	64	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.78	0.51		mg/Kg-dry	10	8/15/2017

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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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:25:00 AM

Lab ID: 17080343-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/15/2017
Calcium	97000	62		mg/Kg-dry	10	8/15/2017
Chromium	19	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	11	1.0		mg/Kg-dry	10	8/15/2017
Copper	24	2.6		mg/Kg-dry	10	8/15/2017
Iron	24000	31		mg/Kg-dry	10	8/15/2017
Lead	21	0.51		mg/Kg-dry	10	8/15/2017
Magnesium	56000	31		mg/Kg-dry	10	8/15/2017
Manganese	540	1.0		mg/Kg-dry	10	8/15/2017
Nickel	27	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1400	31		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	1700	62		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	26	1.0		mg/Kg-dry	10	8/15/2017
Zinc	56	5.1		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0083	0.0040		mg/L	2	8/18/2017
Barium	0.054	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.017	0.0040		mg/L	2	8/18/2017
Cobalt	0.0074	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	17	0.10		mg/L	2	8/18/2017
Lead	0.013	0.0020		mg/L	2	8/18/2017
Manganese	0.21	0.0040		mg/L	2	8/18/2017
Nickel	0.022	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.056	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.32	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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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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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:25:00 AM

Lab ID: 17080343-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/18/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.072	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.35	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	7.9	0.010		mg/L	5	8/18/2017
Nickel	0.059	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/18/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/16/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/15/2017 Analyst: LB
Mercury	0.020	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C					Prep Date: 8/16/2017 Analyst: RW
pH	8.54			pH Units	1	8/16/2017
Percent Moisture	D2974					Prep Date: 8/14/2017 Analyst: KKA
Percent Moisture	14.2	0.2	*	wt%	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:28:00 AM

Lab ID: 17080343-019A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: ERP
Acetone	ND	0.075		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0050		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.075		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.050		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0050		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/16/2017

Qualifiers:

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:28:00 AM

Lab ID: 17080343-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.039		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.99		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.99		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.99		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:28:00 AM

Lab ID: 17080343-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017	Analyst: DM	

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.080		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.80		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 8/11/2017	Analyst: JG	

Aluminum	13000	22		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/15/2017
Arsenic	15	1.1		mg/Kg-dry	10	8/15/2017
Barium	94	1.1		mg/Kg-dry	10	8/15/2017
Beryllium	0.83	0.54		mg/Kg-dry	10	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:28:00 AM

Lab ID: 17080343-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.54		mg/Kg-dry	10	8/15/2017
Calcium	60000	65		mg/Kg-dry	10	8/15/2017
Chromium	23	1.1		mg/Kg-dry	10	8/15/2017
Cobalt	19	1.1		mg/Kg-dry	10	8/15/2017
Copper	32	2.7		mg/Kg-dry	10	8/15/2017
Iron	38000	33		mg/Kg-dry	10	8/15/2017
Lead	17	0.54		mg/Kg-dry	10	8/15/2017
Magnesium	37000	33		mg/Kg-dry	10	8/15/2017
Manganese	890	1.1		mg/Kg-dry	10	8/15/2017
Nickel	40	1.1		mg/Kg-dry	10	8/15/2017
Potassium	1700	33		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/15/2017
Silver	ND	1.1		mg/Kg-dry	10	8/15/2017
Sodium	1000	65		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/15/2017
Vanadium	26	1.1		mg/Kg-dry	10	8/15/2017
Zinc	70	5.4		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.017	0.0040		mg/L	2	8/18/2017
Barium	0.078	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.026	0.0040		mg/L	2	8/18/2017
Cobalt	0.016	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	35	0.10		mg/L	2	8/18/2017
Lead	0.016	0.0020		mg/L	2	8/18/2017
Manganese	0.35	0.0040		mg/L	2	8/18/2017
Nickel	0.037	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.077	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.75	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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J - Analyte detected below quantitation limits

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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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:28:00 AM

Lab ID: 17080343-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.020	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	8.1	0.010		mg/L	5	8/18/2017
Nickel	0.022	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.025	0.018		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.07			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	16.5	0.2	*	wt%	1	8/15/2017

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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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:34:00 AM

Lab ID: 17080343-020A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: ERP
Acetone	ND	0.083		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0055		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0055		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.083		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.055		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0055		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0055		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0055		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0055		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0055		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.022		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0055		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0055		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.017		mg/Kg-dry	1	8/16/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:34:00 AM

Lab ID: 17080343-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017

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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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:34:00 AM

Lab ID: 17080343-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	5400	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	14	1.0		mg/Kg-dry	10	8/15/2017
Barium	27	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.50		mg/Kg-dry	10	8/15/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:34:00 AM

Lab ID: 17080343-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/15/2017
Calcium	160000	600		mg/Kg-dry	100	8/15/2017
Chromium	11	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	5.8	1.0		mg/Kg-dry	10	8/15/2017
Copper	12	2.5		mg/Kg-dry	10	8/15/2017
Iron	14000	30		mg/Kg-dry	10	8/15/2017
Lead	6.2	0.50		mg/Kg-dry	10	8/15/2017
Magnesium	85000	30		mg/Kg-dry	10	8/15/2017
Manganese	350	1.0		mg/Kg-dry	10	8/15/2017
Nickel	15	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1100	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	400	60		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	14	1.0		mg/Kg-dry	10	8/15/2017
Zinc	27	5.0		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	0.032	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.011	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	5.2	0.10		mg/L	2	8/18/2017
Lead	0.0034	0.0020		mg/L	2	8/18/2017
Manganese	0.053	0.0040		mg/L	2	8/18/2017
Nickel	0.0084	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.027	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.31	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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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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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:34:00 AM

Lab ID: 17080343-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.13	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	7.2	0.010		mg/L	5	8/18/2017
Nickel	0.17	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.023		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.48			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	13.6	0.2	*	wt%	1	8/15/2017

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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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:03:00 AM

Lab ID: 17080343-021A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: ERP
Acetone	ND	0.10		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0069		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0069		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0069		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.014		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.10		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.069		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0069		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0069		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.014		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0069		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.014		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0069		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0069		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0069		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0069		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0069		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0069		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0069		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0027		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0027		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0069		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.027		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.027		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.014		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0069		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0069		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0069		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0069		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0069		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0069		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0069		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0069		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0069		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.021		mg/Kg-dry	1	8/16/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:03:00 AM

Lab ID: 17080343-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/14/2017		Analyst: DM
Acenaphthene	ND	0.041		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.041		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.41		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.41		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.041		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/15/2017

Qualifiers:

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:03:00 AM

Lab ID: 17080343-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.041		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.041		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.041		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.041		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.041		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.041		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.83		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	14000	23		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.3		mg/Kg-dry	10	8/15/2017
Arsenic	7.5	1.1		mg/Kg-dry	10	8/15/2017
Barium	82	1.1		mg/Kg-dry	10	8/15/2017
Beryllium	0.90	0.57		mg/Kg-dry	10	8/15/2017

Qualifiers:

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R - RPD outside accepted recovery limits

E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:03:00 AM

Lab ID: 17080343-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.57		mg/Kg-dry	10	8/15/2017
Calcium	130000	68		mg/Kg-dry	10	8/15/2017
Chromium	25	1.1		mg/Kg-dry	10	8/15/2017
Cobalt	12	1.1		mg/Kg-dry	10	8/15/2017
Copper	23	2.8		mg/Kg-dry	10	8/15/2017
Iron	26000	34		mg/Kg-dry	10	8/15/2017
Lead	30	0.57		mg/Kg-dry	10	8/15/2017
Magnesium	74000	34		mg/Kg-dry	10	8/15/2017
Manganese	560	1.1		mg/Kg-dry	10	8/15/2017
Nickel	31	1.1		mg/Kg-dry	10	8/15/2017
Potassium	2300	34		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/15/2017
Silver	ND	1.1		mg/Kg-dry	10	8/15/2017
Sodium	1700	68		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/15/2017
Vanadium	28	1.1		mg/Kg-dry	10	8/15/2017
Zinc	62	5.7		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	0.0073	0.0040		mg/L	2	8/18/2017
Barium	0.047	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.015	0.0040		mg/L	2	8/18/2017
Cobalt	0.0048	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	13	0.10		mg/L	2	8/18/2017
Lead	0.0074	0.0020		mg/L	2	8/18/2017
Manganese	0.13	0.0040		mg/L	2	8/18/2017
Nickel	0.015	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.046	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.33	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:03:00 AM

Lab ID: 17080343-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.064	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.28	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	8.3	0.010		mg/L	5	8/18/2017
Nickel	0.058	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.023	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.87			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	20.4	0.2	*	wt%	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:06:00 AM

Lab ID: 17080343-022A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Volatile Organic Compounds by GC/MS

SW5035/8260B

Prep Date: 8/11/2017

Analyst: JNM

Acetone	ND	0.065		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0087		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.065		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.044		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0087		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0087		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0087		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:06:00 AM

Lab ID: 17080343-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.94		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017

Qualifiers:

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J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

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RL - Reporting / Quantitation Limit for the analysis

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:06:00 AM

Lab ID: 17080343-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.076		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.76		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	9800	19		mg/Kg-dry	10	8/15/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/15/2017
Arsenic	6.3	0.95		mg/Kg-dry	10	8/15/2017
Barium	87	0.95		mg/Kg-dry	10	8/15/2017
Beryllium	0.72	0.48		mg/Kg-dry	10	8/15/2017

Qualifiers:

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:06:00 AM

Lab ID: 17080343-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/15/2017
Calcium	61000	57		mg/Kg-dry	10	8/15/2017
Chromium	22	0.95		mg/Kg-dry	10	8/15/2017
Cobalt	8.7	0.95		mg/Kg-dry	10	8/15/2017
Copper	24	2.4		mg/Kg-dry	10	8/15/2017
Iron	20000	29		mg/Kg-dry	10	8/15/2017
Lead	36	0.48		mg/Kg-dry	10	8/15/2017
Magnesium	35000	29		mg/Kg-dry	10	8/15/2017
Manganese	440	0.95		mg/Kg-dry	10	8/15/2017
Nickel	21	0.95		mg/Kg-dry	10	8/15/2017
Potassium	1400	29		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.95		mg/Kg-dry	10	8/15/2017
Silver	ND	0.95		mg/Kg-dry	10	8/15/2017
Sodium	310	57		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.95		mg/Kg-dry	10	8/15/2017
Vanadium	26	0.95		mg/Kg-dry	10	8/15/2017
Zinc	77	4.8		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	ND	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	2.1	0.10		mg/L	2	8/18/2017
Lead	ND	0.0020		mg/L	2	8/18/2017
Manganese	0.016	0.0040		mg/L	2	8/18/2017
Nickel	ND	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.021	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.58	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:06:00 AM

Lab ID: 17080343-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.012	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	6.4	0.010		mg/L	5	8/18/2017
Nickel	0.023	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.026	0.018		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	7.48			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	12.1	0.2	*	wt%	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:09:00 AM

Lab ID: 17080343-023A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: JNM
Acetone	ND	0.082		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0055		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0055		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.082		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.055		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0055		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0055		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0055		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0055		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0055		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.022		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0055		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0055		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:09:00 AM

Lab ID: 17080343-023B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.043		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.043		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.43		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.043		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.043		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.43		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.043		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.043		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.043		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.043		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	1.1		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.43		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.043		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.043		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.22		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.43		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:09:00 AM

Lab ID: 17080343-023B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.043		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.043		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.22		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.043		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.22		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.22		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.043		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.43		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.043		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.043		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.086		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.043		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.22		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.043		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.86		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	17000	23		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.3		mg/Kg-dry	10	8/15/2017
Arsenic	8.3	1.2		mg/Kg-dry	10	8/15/2017
Barium	150	1.2		mg/Kg-dry	10	8/15/2017
Beryllium	1.2	0.58		mg/Kg-dry	10	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:09:00 AM

Lab ID: 17080343-023B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	0.59	0.58		mg/Kg-dry	10	8/15/2017
Calcium	4500	70		mg/Kg-dry	10	8/15/2017
Chromium	31	1.2		mg/Kg-dry	10	8/15/2017
Cobalt	24	1.2		mg/Kg-dry	10	8/15/2017
Copper	43	2.9		mg/Kg-dry	10	8/15/2017
Iron	39000	35		mg/Kg-dry	10	8/15/2017
Lead	23	0.58		mg/Kg-dry	10	8/15/2017
Magnesium	6600	35		mg/Kg-dry	10	8/15/2017
Manganese	1700	1.2		mg/Kg-dry	10	8/15/2017
Nickel	44	1.2		mg/Kg-dry	10	8/15/2017
Potassium	2300	35		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.2		mg/Kg-dry	10	8/15/2017
Silver	ND	1.2		mg/Kg-dry	10	8/15/2017
Sodium	420	70		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.2		mg/Kg-dry	10	8/15/2017
Vanadium	39	1.2		mg/Kg-dry	10	8/15/2017
Zinc	110	5.8		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	0.0042	0.0040		mg/L	2	8/18/2017
Barium	0.065	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.021	0.0040		mg/L	2	8/18/2017
Cobalt	0.0050	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	17	0.10		mg/L	2	8/18/2017
Lead	0.0058	0.0020		mg/L	2	8/18/2017
Manganese	0.22	0.0040		mg/L	2	8/18/2017
Nickel	0.019	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.063	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.53	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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R - RPD outside accepted recovery limits

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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:09:00 AM

Lab ID: 17080343-023B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017 Analyst: JG			
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.025	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	8.7	0.010		mg/L	5	8/18/2017
Nickel	0.075	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	0.080	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017 Analyst: LB			
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017 Analyst: LB			
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017 Analyst: LB			
Mercury	0.042	0.024		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017 Analyst: RW			
pH	7.80			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017 Analyst: KKA			
Percent Moisture	22.6	0.2	*	wt%	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:43:00 AM

Lab ID: 17080343-024A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: JNM
Acetone	ND	0.062		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0041		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0083		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.062		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.041		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0041		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0083		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0041		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0083		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0041		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0041		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0083		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0041		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0041		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.012		mg/Kg-dry	1	8/16/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:43:00 AM

Lab ID: 17080343-024B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benidine	ND	0.40		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.99		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.99		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.99		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/15/2017

Qualifiers:

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:43:00 AM

Lab ID: 17080343-024B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.080		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.80		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	11000	22		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/15/2017
Arsenic	12	1.1		mg/Kg-dry	10	8/15/2017
Barium	70	1.1		mg/Kg-dry	10	8/15/2017
Beryllium	0.79	0.55		mg/Kg-dry	10	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:43:00 AM

Lab ID: 17080343-024B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.55		mg/Kg-dry	10	8/15/2017
Calcium	140000	660		mg/Kg-dry	100	8/15/2017
Chromium	21	1.1		mg/Kg-dry	10	8/15/2017
Cobalt	12	1.1		mg/Kg-dry	10	8/15/2017
Copper	28	2.8		mg/Kg-dry	10	8/15/2017
Iron	28000	33		mg/Kg-dry	10	8/15/2017
Lead	16	0.55		mg/Kg-dry	10	8/15/2017
Magnesium	88000	33		mg/Kg-dry	10	8/15/2017
Manganese	710	1.1		mg/Kg-dry	10	8/15/2017
Nickel	31	1.1		mg/Kg-dry	10	8/15/2017
Potassium	1600	33		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/15/2017
Silver	ND	1.1		mg/Kg-dry	10	8/15/2017
Sodium	980	66		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/15/2017
Vanadium	29	1.1		mg/Kg-dry	10	8/15/2017
Zinc	63	5.5		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	0.040	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.014	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	9.2	0.10		mg/L	2	8/18/2017
Lead	0.0041	0.0020		mg/L	2	8/18/2017
Manganese	0.084	0.0040		mg/L	2	8/18/2017
Nickel	0.011	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.038	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.34	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:43:00 AM

Lab ID: 17080343-024B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.052	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	7.2	0.010		mg/L	5	8/18/2017
Nickel	0.052	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.36			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	17.8	0.2	*	wt%	1	8/15/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:47:00 AM

Lab ID: 17080343-025A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: JNM
Acetone	ND	0.069		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0046		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0092		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.069		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.046		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0092		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0046		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0092		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0092		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/16/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:47:00 AM

Lab ID: 17080343-025B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017		Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.93		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.93		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.93		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:47:00 AM

Lab ID: 17080343-025B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.075		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.75		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	15000	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	12	1.0		mg/Kg-dry	10	8/15/2017
Barium	230	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	1.2	0.50		mg/Kg-dry	10	8/15/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:47:00 AM

Lab ID: 17080343-025B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/15/2017
Calcium	10000	60		mg/Kg-dry	10	8/15/2017
Chromium	23	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	14	1.0		mg/Kg-dry	10	8/15/2017
Copper	28	2.5		mg/Kg-dry	10	8/15/2017
Iron	30000	30		mg/Kg-dry	10	8/15/2017
Lead	18	0.50		mg/Kg-dry	10	8/15/2017
Magnesium	8700	30		mg/Kg-dry	10	8/15/2017
Manganese	1100	1.0		mg/Kg-dry	10	8/15/2017
Nickel	36	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1200	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	630	60		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	42	1.0		mg/Kg-dry	10	8/15/2017
Zinc	70	5.0		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	0.0045	0.0040		mg/L	2	8/18/2017
Barium	0.054	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.013	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	12	0.10		mg/L	2	8/18/2017
Lead	0.0042	0.0020		mg/L	2	8/18/2017
Manganese	0.16	0.0040		mg/L	2	8/18/2017
Nickel	0.012	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.040	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	1.5	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:47:00 AM

Lab ID: 17080343-025B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.039	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	8.7	0.010		mg/L	5	8/18/2017
Nickel	0.045	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.028	0.018		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	7.81			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	11.2	0.2	*	wt%	1	8/15/2017

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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:50:00 AM

Lab ID: 17080343-026A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: JNM
Acetone	ND	0.066		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0087		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.066		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.044		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0087		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0087		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0087		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/16/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:50:00 AM

Lab ID: 17080343-026B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017		Analyst: DM

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.97		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.97		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.97		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:50:00 AM

Lab ID: 17080343-026B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.78		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	14000	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	4.0	1.0		mg/Kg-dry	10	8/15/2017
Barium	120	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.90	0.51		mg/Kg-dry	10	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:50:00 AM

Lab ID: 17080343-026B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/15/2017
Calcium	86000	61		mg/Kg-dry	10	8/15/2017
Chromium	31	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	26	1.0		mg/Kg-dry	10	8/15/2017
Copper	28	2.5		mg/Kg-dry	10	8/15/2017
Iron	27000	30		mg/Kg-dry	10	8/15/2017
Lead	19	0.51		mg/Kg-dry	10	8/15/2017
Magnesium	53000	30		mg/Kg-dry	10	8/15/2017
Manganese	1300	1.0		mg/Kg-dry	10	8/15/2017
Nickel	43	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1900	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	520	61		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	31	1.0		mg/Kg-dry	10	8/15/2017
Zinc	72	5.1		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	0.042	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.015	0.0040		mg/L	2	8/18/2017
Cobalt	0.0050	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	11	0.10		mg/L	2	8/18/2017
Lead	0.0058	0.0020		mg/L	2	8/18/2017
Manganese	0.13	0.0040		mg/L	2	8/18/2017
Nickel	0.015	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.041	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.33	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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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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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:50:00 AM

Lab ID: 17080343-026B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/18/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.012	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	2.8	0.010		mg/L	5	8/18/2017
Nickel	0.015	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/18/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/17/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.020		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C					Prep Date: 8/16/2017 Analyst: RW
pH	8.17			pH Units	1	8/16/2017
Percent Moisture	D2974					Prep Date: 8/14/2017 Analyst: KKA
Percent Moisture	14.6	0.2	*	wt%	1	8/15/2017

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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:34:00 AM

Lab ID: 17080343-027A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: JNM
Acetone	ND	0.066		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0088		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.066		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.044		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0088		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0088		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0088		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Toluene	0.0045	0.0044		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/16/2017

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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:34:00 AM

Lab ID: 17080343-027B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017		Analyst: DM

Acenaphthene	ND	0.035		mg/Kg-dry	1	8/16/2017
Acenaphthylene	ND	0.035		mg/Kg-dry	1	8/16/2017
Aniline	ND	0.35		mg/Kg-dry	1	8/16/2017
Anthracene	ND	0.035		mg/Kg-dry	1	8/16/2017
Benz(a)anthracene	ND	0.035		mg/Kg-dry	1	8/16/2017
Benzidine	ND	0.35		mg/Kg-dry	1	8/16/2017
Benzo(a)pyrene	ND	0.035		mg/Kg-dry	1	8/16/2017
Benzo(b)fluoranthene	ND	0.035		mg/Kg-dry	1	8/16/2017
Benzo(g,h,i)perylene	ND	0.035		mg/Kg-dry	1	8/16/2017
Benzo(k)fluoranthene	ND	0.035		mg/Kg-dry	1	8/16/2017
Benzoic acid	ND	0.87		mg/Kg-dry	1	8/16/2017
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/16/2017
Bis(2-ethylhexyl)phthalate	ND	0.87		mg/Kg-dry	1	8/16/2017
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/16/2017
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/16/2017
Carbazole	ND	0.18		mg/Kg-dry	1	8/16/2017
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/16/2017
4-Chloro-3-methylphenol	ND	0.35		mg/Kg-dry	1	8/16/2017
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/16/2017
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/16/2017
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/16/2017
Chrysene	ND	0.035		mg/Kg-dry	1	8/16/2017
Dibenz(a,h)anthracene	ND	0.035		mg/Kg-dry	1	8/16/2017
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/16/2017
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/16/2017
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/16/2017
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/16/2017
3,3'-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	8/16/2017
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/16/2017
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/16/2017
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/16/2017
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/16/2017
4,6-Dinitro-2-methylphenol	ND	0.35		mg/Kg-dry	1	8/16/2017
2,4-Dinitrophenol	ND	0.87		mg/Kg-dry	1	8/16/2017
2,4-Dinitrotoluene	ND	0.035		mg/Kg-dry	1	8/16/2017
2,6-Dinitrotoluene	ND	0.035		mg/Kg-dry	1	8/16/2017

Qualifiers:

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:34:00 AM

Lab ID: 17080343-027B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017	Analyst: DM	

Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/16/2017
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/16/2017
Fluoranthene	ND	0.035		mg/Kg-dry	1	8/16/2017
Fluorene	ND	0.035		mg/Kg-dry	1	8/16/2017
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/16/2017
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/16/2017
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/16/2017
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/16/2017
Indeno(1,2,3-cd)pyrene	ND	0.035		mg/Kg-dry	1	8/16/2017
Isophorone	ND	0.18		mg/Kg-dry	1	8/16/2017
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/16/2017
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/16/2017
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/16/2017
Naphthalene	ND	0.035		mg/Kg-dry	1	8/16/2017
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/16/2017
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/16/2017
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/16/2017
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/16/2017
4-Nitrophenol	ND	0.35		mg/Kg-dry	1	8/16/2017
Nitrobenzene	ND	0.035		mg/Kg-dry	1	8/16/2017
N-Nitrosodi-n-propylamine	ND	0.035		mg/Kg-dry	1	8/16/2017
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/16/2017
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/16/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/16/2017
Pentachlorophenol	ND	0.070		mg/Kg-dry	1	8/16/2017
Phenanthrene	ND	0.035		mg/Kg-dry	1	8/16/2017
Phenol	ND	0.18		mg/Kg-dry	1	8/16/2017
Pyrene	ND	0.035		mg/Kg-dry	1	8/16/2017
Pyridine	ND	0.70		mg/Kg-dry	1	8/16/2017
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/16/2017
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/16/2017
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/16/2017

Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 8/11/2017	Analyst: JG	

Aluminum	19000	18		mg/Kg-dry	10	8/15/2017
Antimony	ND	1.8		mg/Kg-dry	10	8/15/2017
Arsenic	16	0.91		mg/Kg-dry	10	8/15/2017
Barium	130	0.91		mg/Kg-dry	10	8/15/2017
Beryllium	1.4	0.45		mg/Kg-dry	10	8/15/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:34:00 AM

Lab ID: 17080343-027B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.45		mg/Kg-dry	10	8/15/2017
Calcium	9400	54		mg/Kg-dry	10	8/15/2017
Chromium	31	0.91		mg/Kg-dry	10	8/15/2017
Cobalt	18	0.91		mg/Kg-dry	10	8/15/2017
Copper	42	2.3		mg/Kg-dry	10	8/15/2017
Iron	43000	27		mg/Kg-dry	10	8/15/2017
Lead	24	0.45		mg/Kg-dry	10	8/15/2017
Magnesium	9000	27		mg/Kg-dry	10	8/15/2017
Manganese	380	0.91		mg/Kg-dry	10	8/15/2017
Nickel	54	0.91		mg/Kg-dry	10	8/15/2017
Potassium	2100	27		mg/Kg-dry	10	8/15/2017
Selenium	0.98	0.91		mg/Kg-dry	10	8/15/2017
Silver	ND	0.91		mg/Kg-dry	10	8/15/2017
Sodium	1900	54		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.91		mg/Kg-dry	10	8/15/2017
Vanadium	37	0.91		mg/Kg-dry	10	8/15/2017
Zinc	86	4.5		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	0.0068	0.0040		mg/L	2	8/18/2017
Barium	0.055	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.017	0.0040		mg/L	2	8/18/2017
Cobalt	0.0060	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	14	0.10		mg/L	2	8/18/2017
Lead	0.0070	0.0020		mg/L	2	8/18/2017
Manganese	0.14	0.0040		mg/L	2	8/18/2017
Nickel	0.018	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.041	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.60	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:34:00 AM

Lab ID: 17080343-027B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/18/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.032	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.33	0.25		mg/L	5	8/18/2017
Lead	0.0052	0.0050		mg/L	5	8/18/2017
Manganese	5.7	0.010		mg/L	5	8/18/2017
Nickel	0.035	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/18/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/17/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A					Prep Date: 8/15/2017 Analyst: LB
Mercury	0.033	0.020		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C					Prep Date: 8/16/2017 Analyst: RW
pH	7.96			pH Units	1	8/16/2017
Percent Moisture	D2974					Prep Date: 8/14/2017 Analyst: KKA
Percent Moisture	5.7	0.2	*	wt%	1	8/15/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:37:00 AM

Lab ID: 17080343-028A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: JNM
Acetone	ND	0.051		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0034		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0034		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0034		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0068		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.051		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.034		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0034		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0034		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0068		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0034		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0068		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0034		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0034		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0034		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0034		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0034		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0034		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0034		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0014		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0014		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0034		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.014		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.014		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0068		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0034		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0034		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0034		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0034		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0034		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0034		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0034		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0034		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0034		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.010		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:37:00 AM

Lab ID: 17080343-028B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/14/2017		Analyst: DM
Acenaphthene	ND	0.036		mg/Kg-dry	1	8/16/2017
Acenaphthylene	ND	0.036		mg/Kg-dry	1	8/16/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/16/2017
Anthracene	ND	0.036		mg/Kg-dry	1	8/16/2017
Benz(a)anthracene	ND	0.036		mg/Kg-dry	1	8/16/2017
Benzidine	ND	0.36		mg/Kg-dry	1	8/16/2017
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	1	8/16/2017
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	1	8/16/2017
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	1	8/16/2017
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	1	8/16/2017
Benzoic acid	ND	0.91		mg/Kg-dry	1	8/16/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/16/2017
Bis(2-ethylhexyl)phthalate	ND	0.91		mg/Kg-dry	1	8/16/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/16/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	8/16/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/16/2017
Chrysene	ND	0.036		mg/Kg-dry	1	8/16/2017
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1	8/16/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/16/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	8/16/2017
2,4-Dinitrophenol	ND	0.91		mg/Kg-dry	1	8/16/2017
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/16/2017
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:37:00 AM

Lab ID: 17080343-028B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
Fluoranthene	ND	0.036		mg/Kg-dry	1	8/16/2017
Fluorene	ND	0.036		mg/Kg-dry	1	8/16/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/16/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/16/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/16/2017
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	1	8/16/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Naphthalene	ND	0.036		mg/Kg-dry	1	8/16/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	8/16/2017
Nitrobenzene	ND	0.036		mg/Kg-dry	1	8/16/2017
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	8/16/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/16/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/16/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/16/2017
Pentachlorophenol	ND	0.074		mg/Kg-dry	1	8/16/2017
Phenanthrene	ND	0.036		mg/Kg-dry	1	8/16/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Pyrene	ND	0.036		mg/Kg-dry	1	8/16/2017
Pyridine	ND	0.74		mg/Kg-dry	1	8/16/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	7200	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	3.2	0.99		mg/Kg-dry	10	8/15/2017
Barium	33	0.99		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.50		mg/Kg-dry	10	8/15/2017

Qualifiers:

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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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:37:00 AM

Lab ID: 17080343-028B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/15/2017
Calcium	110000	60		mg/Kg-dry	10	8/15/2017
Chromium	15	0.99		mg/Kg-dry	10	8/15/2017
Cobalt	7.6	0.99		mg/Kg-dry	10	8/15/2017
Copper	16	2.5		mg/Kg-dry	10	8/15/2017
Iron	18000	30		mg/Kg-dry	10	8/15/2017
Lead	8.6	0.50		mg/Kg-dry	10	8/15/2017
Magnesium	55000	30		mg/Kg-dry	10	8/15/2017
Manganese	410	0.99		mg/Kg-dry	10	8/15/2017
Nickel	19	0.99		mg/Kg-dry	10	8/15/2017
Potassium	1600	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/15/2017
Silver	ND	0.99		mg/Kg-dry	10	8/15/2017
Sodium	380	60		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/15/2017
Vanadium	18	0.99		mg/Kg-dry	10	8/15/2017
Zinc	36	5.0		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	0.032	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.012	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	8.2	0.10		mg/L	2	8/18/2017
Lead	0.0048	0.0020		mg/L	2	8/18/2017
Manganese	0.052	0.0040		mg/L	2	8/18/2017
Nickel	0.0080	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.031	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.22	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:37:00 AM

Lab ID: 17080343-028B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/18/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.050	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	4.7	0.010		mg/L	5	8/18/2017
Nickel	0.054	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/18/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/17/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.020		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C					Prep Date: 8/16/2017 Analyst: RW
pH	8.66			pH Units	1	8/16/2017
Percent Moisture	D2974					Prep Date: 8/14/2017 Analyst: KKA
Percent Moisture	9.7	0.2	*	wt%	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:40:00 AM

Lab ID: 17080343-029A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: JNM
Acetone	ND	0.066		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0088		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.066		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.044		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0088		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0088		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0088		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:40:00 AM

Lab ID: 17080343-029B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017		Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/16/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/16/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/16/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/16/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/16/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/16/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/16/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/16/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/16/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/16/2017
Benzoic acid	ND	0.92		mg/Kg-dry	1	8/16/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/16/2017
Bis(2-ethylhexyl)phthalate	ND	0.92		mg/Kg-dry	1	8/16/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/16/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/16/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/16/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/16/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/16/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/16/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/16/2017
2,4-Dinitrophenol	ND	0.92		mg/Kg-dry	1	8/16/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/16/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/16/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:40:00 AM

Lab ID: 17080343-029B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/16/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/16/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/16/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/16/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/16/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/16/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/16/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/16/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/16/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/16/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/16/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/16/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/16/2017
Pentachlorophenol	ND	0.074		mg/Kg-dry	1	8/16/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/16/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/16/2017
Pyridine	ND	0.74		mg/Kg-dry	1	8/16/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	4100	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	2.0	0.98		mg/Kg-dry	10	8/15/2017
Barium	19	0.98		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.49		mg/Kg-dry	10	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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Report Date: August 19, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:40:00 AM

Lab ID: 17080343-029B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/15/2017
Calcium	160000	590		mg/Kg-dry	100	8/15/2017
Chromium	11	0.98		mg/Kg-dry	10	8/15/2017
Cobalt	6.4	0.98		mg/Kg-dry	10	8/15/2017
Copper	15	2.5		mg/Kg-dry	10	8/15/2017
Iron	14000	30		mg/Kg-dry	10	8/15/2017
Lead	8.5	0.49		mg/Kg-dry	10	8/15/2017
Magnesium	83000	30		mg/Kg-dry	10	8/15/2017
Manganese	490	0.98		mg/Kg-dry	10	8/15/2017
Nickel	15	0.98		mg/Kg-dry	10	8/15/2017
Potassium	1000	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.98		mg/Kg-dry	10	8/15/2017
Silver	ND	0.98		mg/Kg-dry	10	8/15/2017
Sodium	370	59		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.98		mg/Kg-dry	10	8/15/2017
Vanadium	17	0.98		mg/Kg-dry	10	8/15/2017
Zinc	38	4.9		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	ND	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	0.11	0.10		mg/L	2	8/18/2017
Lead	ND	0.0020		mg/L	2	8/18/2017
Manganese	0.071	0.0040		mg/L	2	8/18/2017
Nickel	ND	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	ND	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.19	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

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

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:40:00 AM

Lab ID: 17080343-029B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)			Prep Date: 8/18/2017		Analyst: JG
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.026	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	3.1	0.010		mg/L	5	8/18/2017
Nickel	0.035	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	0.061	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A			Prep Date: 8/18/2017		Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A			Prep Date: 8/17/2017		Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A			Prep Date: 8/15/2017		Analyst: LB
Mercury	ND	0.018		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C			Prep Date: 8/16/2017		Analyst: RW
pH	7.42			pH Units	1	8/16/2017
Percent Moisture	D2974			Prep Date: 8/14/2017		Analyst: KKA
Percent Moisture	10.8	0.2	*	wt%	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-10

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:30:00 AM

Lab ID: 17080343-030A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: JNM
Acetone	ND	0.077		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0051		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0051		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.077		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.051		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0051		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0051		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0051		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0051		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0051		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0051		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0051		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-10

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:30:00 AM

Lab ID: 17080343-030B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)	Prep Date: 8/14/2017		Analyst: DM	
Acenaphthene	ND	0.34		mg/Kg-dry	1	8/16/2017
Acenaphthylene	ND	0.34		mg/Kg-dry	1	8/16/2017
Aniline	ND	3.5		mg/Kg-dry	1	8/16/2017
Anthracene	ND	0.34		mg/Kg-dry	1	8/16/2017
Benz(a)anthracene	ND	0.34		mg/Kg-dry	1	8/16/2017
Benzidine	ND	3.4		mg/Kg-dry	1	8/16/2017
Benzo(a)pyrene	ND	0.34		mg/Kg-dry	1	8/16/2017
Benzo(b)fluoranthene	ND	0.34		mg/Kg-dry	1	8/16/2017
Benzo(g,h,i)perylene	ND	0.34		mg/Kg-dry	1	8/16/2017
Benzo(k)fluoranthene	ND	0.34		mg/Kg-dry	1	8/16/2017
Benzoic acid	ND	8.6		mg/Kg-dry	1	8/16/2017
Benzyl alcohol	ND	1.8		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethoxy)methane	ND	1.8		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethyl)ether	ND	1.8		mg/Kg-dry	1	8/16/2017
Bis(2-ethylhexyl)phthalate	ND	8.6		mg/Kg-dry	1	8/16/2017
4-Bromophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	8/16/2017
Butyl benzyl phthalate	ND	1.8		mg/Kg-dry	1	8/16/2017
Carbazole	ND	1.8		mg/Kg-dry	1	8/16/2017
4-Chloroaniline	ND	1.8		mg/Kg-dry	1	8/16/2017
4-Chloro-3-methylphenol	ND	3.4		mg/Kg-dry	1	8/16/2017
2-Chloronaphthalene	ND	1.8		mg/Kg-dry	1	8/16/2017
2-Chlorophenol	ND	1.8		mg/Kg-dry	1	8/16/2017
4-Chlorophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	8/16/2017
Chrysene	ND	0.34		mg/Kg-dry	1	8/16/2017
Dibenz(a,h)anthracene	ND	0.34		mg/Kg-dry	1	8/16/2017
Dibenzofuran	ND	1.8		mg/Kg-dry	1	8/16/2017
1,2-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	8/16/2017
1,3-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	8/16/2017
1,4-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	8/16/2017
3,3'-Dichlorobenzidine	ND	1.8		mg/Kg-dry	1	8/16/2017
2,4-Dichlorophenol	ND	1.8		mg/Kg-dry	1	8/16/2017
Diethyl phthalate	ND	1.8		mg/Kg-dry	1	8/16/2017
2,4-Dimethylphenol	ND	1.8		mg/Kg-dry	1	8/16/2017
Dimethyl phthalate	ND	1.8		mg/Kg-dry	1	8/16/2017
4,6-Dinitro-2-methylphenol	ND	3.4		mg/Kg-dry	1	8/16/2017
2,4-Dinitrophenol	ND	8.6		mg/Kg-dry	1	8/16/2017
2,4-Dinitrotoluene	ND	0.34		mg/Kg-dry	1	8/16/2017
2,6-Dinitrotoluene	ND	0.34		mg/Kg-dry	1	8/16/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-10

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:30:00 AM

Lab ID: 17080343-030B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Di-n-butyl phthalate	ND	1.8		mg/Kg-dry	1	8/16/2017
Di-n-octyl phthalate	ND	1.8		mg/Kg-dry	1	8/16/2017
Fluoranthene	ND	0.34		mg/Kg-dry	1	8/16/2017
Fluorene	ND	0.34		mg/Kg-dry	1	8/16/2017
Hexachlorobenzene	ND	1.8		mg/Kg-dry	1	8/16/2017
Hexachlorobutadiene	ND	1.8		mg/Kg-dry	1	8/16/2017
Hexachlorocyclopentadiene	ND	1.8		mg/Kg-dry	1	8/16/2017
Hexachloroethane	ND	1.8		mg/Kg-dry	1	8/16/2017
Indeno(1,2,3-cd)pyrene	ND	0.34		mg/Kg-dry	1	8/16/2017
Isophorone	ND	1.8		mg/Kg-dry	1	8/16/2017
2-Methylnaphthalene	ND	1.8		mg/Kg-dry	1	8/16/2017
2-Methylphenol	ND	1.8		mg/Kg-dry	1	8/16/2017
4-Methylphenol	ND	1.8		mg/Kg-dry	1	8/16/2017
Naphthalene	ND	0.34		mg/Kg-dry	1	8/16/2017
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	8/16/2017
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	8/16/2017
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	8/16/2017
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	8/16/2017
4-Nitrophenol	ND	3.4		mg/Kg-dry	1	8/16/2017
Nitrobenzene	ND	0.34		mg/Kg-dry	1	8/16/2017
N-Nitrosodi-n-propylamine	ND	0.34		mg/Kg-dry	1	8/16/2017
N-Nitrosodimethylamine	ND	1.8		mg/Kg-dry	1	8/16/2017
N-Nitrosodiphenylamine	ND	1.8		mg/Kg-dry	1	8/16/2017
2, 2'-oxybis(1-Chloropropane)	ND	1.8		mg/Kg-dry	1	8/16/2017
Pentachlorophenol	ND	0.70		mg/Kg-dry	1	8/16/2017
Phenanthrene	ND	0.34		mg/Kg-dry	1	8/16/2017
Phenol	ND	1.8		mg/Kg-dry	1	8/16/2017
Pyrene	ND	0.34		mg/Kg-dry	1	8/16/2017
Pyridine	ND	7.0		mg/Kg-dry	1	8/16/2017
1,2,4-Trichlorobenzene	ND	1.8		mg/Kg-dry	1	8/16/2017
2,4,5-Trichlorophenol	ND	1.8		mg/Kg-dry	1	8/16/2017
2,4,6-Trichlorophenol	ND	1.8		mg/Kg-dry	1	8/16/2017

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 8/11/2017	Analyst: JG

Aluminum	8800	19		mg/Kg-dry	10	8/15/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/15/2017
Arsenic	7.3	0.93		mg/Kg-dry	10	8/15/2017
Barium	30	0.93		mg/Kg-dry	10	8/15/2017
Beryllium	0.62	0.46		mg/Kg-dry	10	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-10

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:30:00 AM

Lab ID: 17080343-030B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.46		mg/Kg-dry	10	8/15/2017
Calcium	120000	560		mg/Kg-dry	100	8/15/2017
Chromium	17	0.93		mg/Kg-dry	10	8/15/2017
Cobalt	9.9	0.93		mg/Kg-dry	10	8/15/2017
Copper	21	2.3		mg/Kg-dry	10	8/15/2017
Iron	21000	28		mg/Kg-dry	10	8/15/2017
Lead	20	0.46		mg/Kg-dry	10	8/15/2017
Magnesium	83000	28		mg/Kg-dry	10	8/15/2017
Manganese	480	0.93		mg/Kg-dry	10	8/15/2017
Nickel	25	0.93		mg/Kg-dry	10	8/15/2017
Potassium	1600	28		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.93		mg/Kg-dry	10	8/15/2017
Silver	ND	0.93		mg/Kg-dry	10	8/15/2017
Sodium	1600	56		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.93		mg/Kg-dry	10	8/15/2017
Vanadium	29	0.93		mg/Kg-dry	10	8/15/2017
Zinc	48	4.6		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	0.020	0.0040		mg/L	2	8/18/2017
Barium	0.10	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.048	0.0040		mg/L	2	8/18/2017
Cobalt	0.025	0.0040		mg/L	2	8/18/2017
Copper	0.060	0.040		mg/L	2	8/18/2017
Iron	48	0.10		mg/L	2	8/18/2017
Lead	0.039	0.0020		mg/L	2	8/18/2017
Manganese	0.50	0.0040		mg/L	2	8/18/2017
Nickel	0.062	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.13	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.22	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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RL - Reporting / Quantitation Limit for the analysis

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R - RPD outside accepted recovery limits

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Report Date: August 19, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-10

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:30:00 AM

Lab ID: 17080343-030B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.023	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	5.2	0.010		mg/L	5	8/18/2017
Nickel	0.031	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.018		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	9.30			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	4.3	0.2	*	wt%	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-14

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:00:00 AM

Lab ID: 17080343-031A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: JNM
Acetone	ND	0.076		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0050		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.076		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.050		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0050		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/16/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-14

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:00:00 AM

Lab ID: 17080343-031B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017		Analyst: DM

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/16/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/16/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/16/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/16/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/16/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/16/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/16/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/16/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/16/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/16/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/16/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/16/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/16/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/16/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/16/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/16/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/16/2017

Qualifiers:

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-14

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:00:00 AM

Lab ID: 17080343-031B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
Fluoranthene	0.061	0.038		mg/Kg-dry	1	8/16/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/16/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/16/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/16/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/16/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/16/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/16/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/16/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/16/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/16/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/16/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/16/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/16/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/16/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/16/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Pyrene	0.054	0.038		mg/Kg-dry	1	8/16/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/16/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	15000	21		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/15/2017
Arsenic	14	1.1		mg/Kg-dry	10	8/15/2017
Barium	120	1.1		mg/Kg-dry	10	8/15/2017
Beryllium	1.4	0.53		mg/Kg-dry	10	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-14

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:00:00 AM

Lab ID: 17080343-031B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	0.99	0.53		mg/Kg-dry	10	8/15/2017
Calcium	67000	63		mg/Kg-dry	10	8/15/2017
Chromium	30	1.1		mg/Kg-dry	10	8/15/2017
Cobalt	19	1.1		mg/Kg-dry	10	8/15/2017
Copper	46	2.6		mg/Kg-dry	10	8/15/2017
Iron	36000	32		mg/Kg-dry	10	8/15/2017
Lead	210	0.53		mg/Kg-dry	10	8/15/2017
Magnesium	39000	32		mg/Kg-dry	10	8/15/2017
Manganese	830	1.1		mg/Kg-dry	10	8/15/2017
Nickel	42	1.1		mg/Kg-dry	10	8/15/2017
Potassium	2000	32		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/15/2017
Silver	ND	1.1		mg/Kg-dry	10	8/15/2017
Sodium	2800	63		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/15/2017
Vanadium	36	1.1		mg/Kg-dry	10	8/15/2017
Zinc	170	5.3		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	0.011	0.0040		mg/L	2	8/18/2017
Barium	0.045	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.016	0.0040		mg/L	2	8/18/2017
Cobalt	0.0057	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	13	0.10		mg/L	2	8/18/2017
Lead	0.045	0.0020		mg/L	2	8/18/2017
Manganese	0.11	0.0040		mg/L	2	8/18/2017
Nickel	0.016	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.051	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.55	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

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* - 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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-14

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:00:00 AM

Lab ID: 17080343-031B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.023	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.32	0.25		mg/L	5	8/18/2017
Lead	0.017	0.0050		mg/L	5	8/18/2017
Manganese	6.9	0.010		mg/L	5	8/18/2017
Nickel	0.027	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	0.058	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.031	0.022		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.22			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	14.2	0.2	*	wt%	1	8/15/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-13

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 8:55:00 AM

Lab ID: 17080343-032A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: ERP
Acetone	ND	0.075		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0050		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.075		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.050		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0050		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/16/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-13

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 8:55:00 AM

Lab ID: 17080343-032B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.039		mg/Kg-dry	1	8/16/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/16/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/16/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/16/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzoic acid	ND	0.98		mg/Kg-dry	1	8/16/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/16/2017
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	8/16/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/16/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/16/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/16/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/16/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/16/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/16/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/16/2017
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	8/16/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/16/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/16/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-13

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 8:55:00 AM

Lab ID: 17080343-032B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/16/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/16/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/16/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/16/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/16/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/16/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/16/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/16/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/16/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/16/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/16/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/16/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/16/2017
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	8/16/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/16/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/16/2017
Pyridine	ND	0.79		mg/Kg-dry	1	8/16/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	5000	21		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/15/2017
Arsenic	9.4	1.1		mg/Kg-dry	10	8/15/2017
Barium	30	1.1		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.53		mg/Kg-dry	10	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-13

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 8:55:00 AM

Lab ID: 17080343-032B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.53		mg/Kg-dry	10	8/15/2017
Calcium	61000	630		mg/Kg-dry	100	8/15/2017
Chromium	14	1.1		mg/Kg-dry	10	8/15/2017
Cobalt	7.8	1.1		mg/Kg-dry	10	8/15/2017
Copper	17	2.6		mg/Kg-dry	10	8/15/2017
Iron	20000	32		mg/Kg-dry	10	8/15/2017
Lead	12	0.53		mg/Kg-dry	10	8/15/2017
Magnesium	120000	32		mg/Kg-dry	10	8/15/2017
Manganese	550	1.1		mg/Kg-dry	10	8/15/2017
Nickel	19	1.1		mg/Kg-dry	10	8/15/2017
Potassium	1200	32		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/15/2017
Silver	ND	1.1		mg/Kg-dry	10	8/15/2017
Sodium	600	63		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/15/2017
Vanadium	17	1.1		mg/Kg-dry	10	8/15/2017
Zinc	33	5.3		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.0047	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	2.2	0.10		mg/L	2	8/18/2017
Lead	ND	0.0020		mg/L	2	8/18/2017
Manganese	0.010	0.0040		mg/L	2	8/18/2017
Nickel	ND	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	ND	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.34	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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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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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-13

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 8:55:00 AM

Lab ID: 17080343-032B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	ND	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	1.1	0.010		mg/L	5	8/18/2017
Nickel	0.011	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.022		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.21			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	16.5	0.2	*	wt%	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-12

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 12:00:00 PM

Lab ID: 17080343-033A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: ERP
Acetone	ND	0.071		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0094		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.071		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0094		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0094		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0094		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/16/2017

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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-12

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 12:00:00 PM

Lab ID: 17080343-033B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)	Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/16/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/16/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/16/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/16/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzoic acid	ND	0.95		mg/Kg-dry	1	8/16/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/16/2017
Bis(2-ethylhexyl)phthalate	ND	0.95		mg/Kg-dry	1	8/16/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/16/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/16/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/16/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/16/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/16/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/16/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/16/2017
2,4-Dinitrophenol	ND	0.95		mg/Kg-dry	1	8/16/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/16/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/16/2017

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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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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-12

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 12:00:00 PM

Lab ID: 17080343-033B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
Fluoranthene	0.068	0.038		mg/Kg-dry	1	8/16/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/16/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/16/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/16/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/16/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/16/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/16/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/16/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/16/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/16/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/16/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/16/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/16/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/16/2017
Phenanthrene	0.040	0.038		mg/Kg-dry	1	8/16/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Pyrene	0.056	0.038		mg/Kg-dry	1	8/16/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/16/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	16000	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	9.3	1.0		mg/Kg-dry	10	8/15/2017
Barium	69	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	1.0	0.51		mg/Kg-dry	10	8/15/2017

Qualifiers:

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-12

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 12:00:00 PM

Lab ID: 17080343-033B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/15/2017
Calcium	58000	61		mg/Kg-dry	10	8/15/2017
Chromium	24	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	13	1.0		mg/Kg-dry	10	8/15/2017
Copper	28	2.5		mg/Kg-dry	10	8/15/2017
Iron	28000	30		mg/Kg-dry	10	8/15/2017
Lead	23	0.51		mg/Kg-dry	10	8/15/2017
Magnesium	36000	30		mg/Kg-dry	10	8/15/2017
Manganese	410	1.0		mg/Kg-dry	10	8/15/2017
Nickel	26	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1400	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	5000	61		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	42	1.0		mg/Kg-dry	10	8/15/2017
Zinc	71	5.1		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	0.025	0.0040		mg/L	2	8/18/2017
Barium	0.046	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.016	0.0040		mg/L	2	8/18/2017
Cobalt	0.0063	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	12	0.10		mg/L	2	8/18/2017
Lead	0.010	0.0020		mg/L	2	8/18/2017
Manganese	0.18	0.0040		mg/L	2	8/18/2017
Nickel	0.017	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.041	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.52	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-12

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 12:00:00 PM

Lab ID: 17080343-033B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.045	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	9.7	0.25		mg/L	5	8/18/2017
Lead	0.021	0.0050		mg/L	5	8/18/2017
Manganese	9.8	0.010		mg/L	5	8/18/2017
Nickel	0.046	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	0.061	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.020		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	10.2			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	13.8	0.2	*	wt%	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-11

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 1:00:00 PM

Lab ID: 17080343-034A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: ERP
Acetone	ND	0.077		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0051		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0051		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.077		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.051		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0051		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0051		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0051		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0051		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0051		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0051		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0051		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/16/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-11

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 1:00:00 PM

Lab ID: 17080343-034B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
SW8270C (SW3550B)		Prep Date: 8/14/2017 Analyst: DM				
Acenaphthene	ND	0.039		mg/Kg-dry	1	8/16/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/16/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/16/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/16/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzoic acid	ND	0.98		mg/Kg-dry	1	8/16/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/16/2017
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	8/16/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/16/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/16/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/16/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/16/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/16/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/16/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/16/2017
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	8/16/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/16/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/16/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-11

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 1:00:00 PM

Lab ID: 17080343-034B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/16/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/16/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/16/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/16/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/16/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/16/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/16/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/16/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/16/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/16/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/16/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/16/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/16/2017
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	8/16/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/16/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/16/2017
Pyridine	ND	0.79		mg/Kg-dry	1	8/16/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	18000	21		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/15/2017
Arsenic	12	1.0		mg/Kg-dry	10	8/15/2017
Barium	110	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	1.2	0.52		mg/Kg-dry	10	8/15/2017

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

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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-11

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 1:00:00 PM

Lab ID: 17080343-034B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/15/2017
Calcium	70000	62		mg/Kg-dry	10	8/15/2017
Chromium	29	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	17	1.0		mg/Kg-dry	10	8/15/2017
Copper	33	2.6		mg/Kg-dry	10	8/15/2017
Iron	35000	31		mg/Kg-dry	10	8/15/2017
Lead	33	0.52		mg/Kg-dry	10	8/15/2017
Magnesium	37000	31		mg/Kg-dry	10	8/15/2017
Manganese	800	1.0		mg/Kg-dry	10	8/15/2017
Nickel	40	1.0		mg/Kg-dry	10	8/15/2017
Potassium	2500	31		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	590	62		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	38	1.0		mg/Kg-dry	10	8/15/2017
Zinc	85	5.2		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	0.0061	0.0040		mg/L	2	8/18/2017
Barium	0.045	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.015	0.0040		mg/L	2	8/18/2017
Cobalt	0.0051	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	12	0.10		mg/L	2	8/18/2017
Lead	0.0077	0.0020		mg/L	2	8/18/2017
Manganese	0.098	0.0040		mg/L	2	8/18/2017
Nickel	0.015	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.047	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.66	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-11

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 1:00:00 PM

Lab ID: 17080343-034B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.028	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	9.8	0.010		mg/L	5	8/18/2017
Nickel	0.021	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.038	0.018		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.18			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	16.6	0.2	*	wt%	1	8/15/2017

Qualifiers:

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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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: Trip Blank

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date:

Lab ID: 17080343-035A

Matrix: Trip Blank

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW8260B (SW5030B)		Prep Date:		Analyst: ERP
Acetone	ND	0.020		mg/L	1	8/15/2017
Benzene	ND	0.0050		mg/L	1	8/15/2017
Bromodichloromethane	ND	0.0050		mg/L	1	8/15/2017
Bromoform	ND	0.0050		mg/L	1	8/15/2017
Bromomethane	ND	0.010		mg/L	1	8/15/2017
2-Butanone	ND	0.020		mg/L	1	8/15/2017
Carbon disulfide	ND	0.010		mg/L	1	8/15/2017
Carbon tetrachloride	ND	0.0050		mg/L	1	8/15/2017
Chlorobenzene	ND	0.0050		mg/L	1	8/15/2017
Chloroethane	ND	0.010		mg/L	1	8/15/2017
Chloroform	ND	0.0050		mg/L	1	8/15/2017
Chloromethane	ND	0.010		mg/L	1	8/15/2017
Dibromochloromethane	ND	0.0050		mg/L	1	8/15/2017
1,1-Dichloroethane	ND	0.0050		mg/L	1	8/15/2017
1,2-Dichloroethane	ND	0.0050		mg/L	1	8/15/2017
1,1-Dichloroethene	ND	0.0050		mg/L	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/L	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/L	1	8/15/2017
1,2-Dichloropropane	ND	0.0050		mg/L	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0010		mg/L	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0010		mg/L	1	8/15/2017
Ethylbenzene	ND	0.0050		mg/L	1	8/15/2017
2-Hexanone	ND	0.020		mg/L	1	8/15/2017
4-Methyl-2-pentanone	ND	0.020		mg/L	1	8/15/2017
Methylene chloride	ND	0.0050		mg/L	1	8/15/2017
Methyl tert-butyl ether	ND	0.0050		mg/L	1	8/15/2017
Styrene	ND	0.0050		mg/L	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/L	1	8/15/2017
Tetrachloroethene	ND	0.0050		mg/L	1	8/15/2017
Toluene	ND	0.0050		mg/L	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0050		mg/L	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0050		mg/L	1	8/15/2017
Trichloroethene	ND	0.0050		mg/L	1	8/15/2017
Vinyl chloride	ND	0.0020		mg/L	1	8/15/2017
Xylenes, Total	ND	0.015		mg/L	1	8/15/2017

Qualifiers:

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E - Value above quantitation range

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CHAIN OF CUSTODY RECORD

N^o: 906979

Page: 1 of 2

Company: <u>Huck and Huck</u>		Client Tracking No.: <u>810220509.04</u>	
Project Number: <u>810220509.04</u>		Project Name: <u>2531V-IL59 at US 20</u>	
Project Location: <u>Berth 104, IL</u>		Sampler(s): <u>Arnaldo Hammillo Adam K. Huck</u>	
Report To: <u>Dill Connolly</u>		Phone: <u>630-684-4400</u>	
Fax: <u></u>		e-mail: <u>dill.connolly@929.com</u>	
QC Level: 1	2	3	4
Client Sample Number/Description:	Date Taken	Time Taken	Matrix
2531V-18-08 (0-1)	8/9/17	0908	S
2531V-43-01 (0-1)		1055	
2531V-43-02 (0-1)		0919	
2531V-43-03 (0-1)		0925	
2531V-43-08 (0-1)		0916	
2531V-43-04 (0-1)		0930	
2531V-55-01 (0-1)		1137	
2531V-55-02 (0-1)		1124	
2531V-56-01 (0-0)		1123	
2531V-56-02 (0-1)		1126	
2531V-56-04 (12-18)		1129	
2531V-56-02 (0-0)		1055	
2531V-56-02 (0-1)		1102	
2531V-56-02 (12-18)		1105	
2531V-56-03 (0-0)		1059	
2531V-56-03 (0-1)		1043	
2531V-56-03 (12-18)		1046	
2531V-56-04 (0-0)		1025	
2531V-56-04 (0-1)		1018	
2531V-56-04 (12-18)		1034	
Relinquished by: (Signature) <u>[Signature]</u>		Date/Time: <u>8/9/17 14:11</u>	
Received by: (Signature) <u>[Signature]</u>		Date/Time: <u>8/9/17 14:11</u>	
Relinquished by: (Signature) <u>[Signature]</u>		Date/Time: <u></u>	
Received by: (Signature) <u>[Signature]</u>		Date/Time: <u></u>	
Relinquished by: (Signature) <u>[Signature]</u>		Date/Time: <u></u>	
Received by: (Signature) <u>[Signature]</u>		Date/Time: <u></u>	

Comments: <u>All corrections made on PMT on 8/9/17</u>	
Laboratory Work Order No.: <u>170807073</u>	
Received on Ice: Yes ☒ No ☐	Temperature: <u>39</u> °C

Preservation Code: A = None B = HNO ₃ C = NaOH D = H ₂ SO ₄ E = HCl F = 5035/EnCore G = Other	

[illegible]

Sample Receipt Checklist

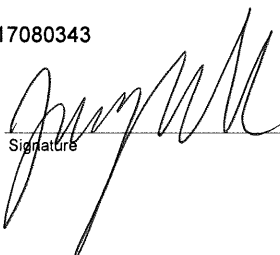
Client Name HUFF & HUFF

Date and Time Received: 8/9/2017 4:11:00 PM

Work Order Number 17080343

Received by: JNW

Checklist completed by:



8/9/17

Signature

Date

Reviewed by:



8/10/17

Initials

Date

Matrix:

Carrier name Client Delivered

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels/containers?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container or Temp Blank temperature in compliance?	Yes ☒	No ☐	Temperature 3.9 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☒	No ☐
Water - Samples pH checked?	Yes ☒	No ☐	Checked by: _____
Water - Samples properly preserved?	Yes ☒	No ☐	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments:

Client / Person

contacted:

Date contacted:

Contacted by:

Response:

STAT Analysis Corporation

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW5035/8260B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VBLK081517A-2	112	96.7	102	100				
VLCS081517A-2	117	98.5	97.7	100				
VLCSD081517A-2	119	96.0	98.4	97.4				
17080343-011A	117	96.2	97.2	113				
17080343-012A	117	94.9	95.2	110				
17080343-013A	116	94.5	94.0	109				
17080343-014A	115	95.5	95.2	110				
17080343-015A	116	97.2	96.2	111				
17080343-016A	119	96.7	98.4	105				
17080343-017A	119	95.3	96.7	107				
17080343-018A	113	98.2	96.4	113				
17080343-019A	118	94.5	101	112				
VBLK081617-2	119	95.8	99.5	102				
VLCSD081617-2	117	96.9	96.9	101				
VLCS081617R-2	117	96.5	99.8	100				
17080343-020A	119	97.5	96.5	113				
17080343-021A	122	96.7	95.9	108				
17080343-032A	114	97.3	94.2	116				
17080343-033A	121	98.7	95.6	118				
17080343-034A	119	96.1	99.5	111				
17080343-003A	116	95.8	98.3	109				
17080343-009A	116	95.1	97.3	107				
VBLK081517AB-3	98.7	97.5	105	108				
VLCS081517B-3	100	100	110	105				
VLCSD081517B-3	99.2	98.0	109	102				
17080343-001A	100	97.8	120	132				
17080343-002A	103	100	124	127				

Acronym

Surrogate

QC Limits

BR4FBZ	=	4-Bromofluorobenzene	58-122
BZMED8	=	Toluene-d8	73-122
DBFM	=	Dibromofluoromethane	65-131
DCA12D4	=	1,2-Dichloroethane-d4	71-143

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW5035/8260B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
17080343-004A	99.3	99.3	127	128				
17080343-005A	102	98.1	128	130				
17080343-006A	102	95.9	119	123				
17080343-007A	96.3	98.0	124	124				
17080343-008A	103	96.5	129	110				
17080343-010A	102	98.8	119	118				
VBLK081617-7	93.7	102	103	99.5				
VLCS081617-7	102	106	100	105				
VLCS081617-7	98.1	104	101	109				
17080343-022A	93.5	101	113	122				
17080343-023A	92.9	102	105	112				
17080343-024A	97.5	101	117	116				
17080343-025A	90.4	103	105	118				
17080343-026A	92.7	98.7	108	130				
17080343-027A	95.8	102	111	115				
17080343-028A	95.5	101	116	125				
17080343-029A	97.6	103	111	111				
17080343-030A	96.1	102	109	122				
17080343-031A	96.6	103	113	134				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	58-122
BZMED8	= Toluene-d8	73-122
DBFM	= Dibromofluoromethane	65-131
DCA12D4	= 1,2-Dichloroethane-d4	71-143

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134979

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3743348	BFB081517B-3	TUNE	BFB	R134979	1	08/15/2017 19:16
3743349	VSTD050R	CCV	VOC_ENCORE+	R134979	1	08/15/2017 20:14
3743350	VLK081517AB-3	MBLK	VOC_ENCORE+	R134979	1	08/15/2017 20:51
3743351	VLCS081517B-3	LCS	VOC_ENCORE+	R134979	1	08/15/2017 21:28
3743352	VLCS081517B-3	LCSD	VOC_ENCORE+	R134979	1	08/15/2017 22:05
3743353	17080286-039A	SAMP	VOC_5035	102378	1	08/15/2017 22:42
3743354	17080286-040A	SAMP	VOC_5035	102378	1	08/15/2017 23:19
3743369	17080286-041A	SAMP	VOC_5035	102378	1	08/15/2017 23:55
3743356	17080286-042A	SAMP	VOC_5035	102378	1	08/16/2017 00:31
3743357	17080286-043A	SAMP	VOC_5035	102378	1	08/16/2017 01:07
3743370	17080343-001A	SAMP	VOC_5035	102502	1	08/16/2017 01:42
3743359	17080343-002A	SAMP	VOC_5035	102502	1	08/16/2017 02:18
3743371	17080343-003A	SAMP	VOC_5035	102502	1	08/16/2017 02:54
3743372	17080343-004A	SAMP	VOC_5035	102502	1	08/16/2017 03:29
3743362	17080343-005A	SAMP	VOC_5035	102502	1	08/16/2017 04:05
3743373	17080343-006A	SAMP	VOC_5035	102502	1	08/16/2017 04:41
3743364	17080343-007A	SAMP	VOC_5035	102502	1	08/16/2017 05:16
3743365	17080343-008A	SAMP	VOC_5035	102502	1	08/16/2017 05:52
3743366	17080343-009A	SAMP	VOC_5035	102502	1	08/16/2017 06:28
3743367	17080343-010A	SAMP	VOC_5035	102502	1	08/16/2017 07:04

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
VBLK081517AB-3	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/15/2017			VOA-3_170815B		3743350	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
1,1-Dichloroethane	ND	0.0050									
1,1-Dichloroethene	ND	0.0050									
1,2-Dichloroethane	ND	0.0050									
1,2-Dichloropropane	ND	0.0050									
2-Butanone	ND	0.075									
2-Hexanone	ND	0.020									
4-Methyl-2-pentanone	ND	0.020									
Acetone	ND	0.075									
Benzene	ND	0.0050									
Bromodichloromethane	ND	0.0050									
Bromoform	ND	0.0050									
Bromomethane	ND	0.010									
Carbon disulfide	ND	0.050									
Carbon tetrachloride	ND	0.0050									
Chlorobenzene	ND	0.0050									
Chloroethane	ND	0.010									
Chloroform	ND	0.0050									
Chloromethane	ND	0.010									
cis-1,2-Dichloroethene	ND	0.0050									
cis-1,3-Dichloropropene	ND	0.0020									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134979

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLBK081517AB-3	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/15/2017	VOA-3_170815B			3743350		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Dibromochloromethane	ND	0.0050									
Ethylbenzene	ND	0.0050									
Methyl tert-butyl ether	ND	0.0050									
Methylene chloride	ND	0.010									
Styrene	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	0.00036	0.0050									J
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0020									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLCS081517B-3	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/15/2017	VOA-3_170815B			3743351		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05562	0.0050	0.05	0	111	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.05089	0.0050	0.05	0	102	70	130	0	0		
1,1,2-Trichloroethane	0.04973	0.0050	0.05	0	99.5	70	130	0	0		
1,1-Dichloroethane	0.05365	0.0050	0.05	0	107	70	130	0	0		
1,1-Dichloroethene	0.05227	0.0050	0.05	0	105	70	130	0	0		
1,2-Dichloroethane	0.05257	0.0050	0.05	0	105	70	130	0	0		
1,2-Dichloropropane	0.05015	0.0050	0.05	0	100	70	130	0	0		
2-Butanone	0.1017	0.075	0.1	0	102	50	150	0	0		
2-Hexanone	0.09801	0.020	0.1	0	98	50	150	0	0		
4-Methyl-2-pentanone	0.1	0.020	0.1	0	100	50	150	0	0		
Acetone	0.1104	0.075	0.1	0	110	50	150	0	0		
Benzene	0.05065	0.0050	0.05	0	101	70	130	0	0		
Bromodichloromethane	0.0509	0.0050	0.05	0	102	70	130	0	0		
Bromoform	0.05251	0.0050	0.05	0	105	70	130	0	0		
Bromomethane	0.05014	0.010	0.05	0	100	50	150	0	0		
Carbon disulfide	0.1091	0.050	0.1	0	109	70	130	0	0		
Carbon tetrachloride	0.05807	0.0050	0.05	0	116	70	130	0	0		
Chlorobenzene	0.05252	0.0050	0.05	0	105	70	130	0	0		
Chloroethane	0.05111	0.010	0.05	0	102	70	130	0	0		
Chloroform	0.05352	0.0050	0.05	0	107	70	130	0	0		
Chloromethane	0.0542	0.010	0.05	0	108	70	130	0	0		
cis-1,2-Dichloroethene	0.05267	0.0050	0.05	0	105	70	130	0	0		
cis-1,3-Dichloropropene	0.04889	0.0020	0.05	0	97.8	70	130	0	0		
Dibromochloromethane	0.05501	0.0050	0.05	0	110	70	130	0	0		
Ethylbenzene	0.05402	0.0050	0.05	0	108	70	130	0	0		
Methyl tert-butyl ether	0.05578	0.0050	0.05	0	112	70	130	0	0		
Methylene chloride	0.05223	0.010	0.05	0	104	70	130	0	0		
Styrene	0.05442	0.0050	0.05	0	109	70	130	0	0		
Tetrachloroethene	0.0583	0.0050	0.05	0	117	70	130	0	0		
Toluene	0.04827	0.0050	0.05	0.00036	95.8	70	130	0	0		
trans-1,2-Dichloroethene	0.05591	0.0050	0.05	0	112	70	130	0	0		
trans-1,3-Dichloropropene	0.05026	0.0020	0.05	0	101	70	130	0	0		
Trichloroethene	0.05294	0.0050	0.05	0	106	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134979

Sample ID: VLCS081517B-3	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/15/2017	Run ID: VOA-3_170815B			SeqNo: 3743351		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Vinyl chloride	0.05242	0.0050	0.05	0	105	70	130	0	0		
Xylenes, Total	0.1618	0.015	0.15	0	108	70	130	0	0		

Sample ID: VLCS081517B-3	Customer ID: ZZZZZ	SampType: LCSD	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/15/2017	Run ID: VOA-3_170815B			SeqNo: 3743352		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05677	0.0050	0.05	0	114	70	130	0.05562	2.05	20	
1,1,2,2-Tetrachloroethane	0.05121	0.0050	0.05	0	102	70	130	0.05089	0.627	20	
1,1,2-Trichloroethane	0.05244	0.0050	0.05	0	105	70	130	0.04973	5.30	20	
1,1-Dichloroethane	0.05571	0.0050	0.05	0	111	70	130	0.05365	3.77	20	
1,1-Dichloroethene	0.05287	0.0050	0.05	0	106	70	130	0.05227	1.14	20	
1,2-Dichloroethane	0.05403	0.0050	0.05	0	108	70	130	0.05257	2.74	20	
1,2-Dichloropropane	0.05243	0.0050	0.05	0	105	70	130	0.05015	4.45	20	
2-Butanone	0.1081	0.075	0.1	0	108	50	150	0.1017	6.07	20	
2-Hexanone	0.1001	0.020	0.1	0	100	50	150	0.09801	2.13	20	
4-Methyl-2-pentanone	0.1023	0.020	0.1	0	102	50	150	0.1	2.19	20	
Acetone	0.1132	0.075	0.1	0	113	50	150	0.1104	2.46	20	
Benzene	0.05186	0.0050	0.05	0	104	70	130	0.05065	2.36	20	
Bromodichloromethane	0.05266	0.0050	0.05	0	105	70	130	0.0509	3.40	20	
Bromoform	0.0537	0.0050	0.05	0	107	70	130	0.05251	2.24	20	
Bromomethane	0.05112	0.010	0.05	0	102	50	150	0.05014	1.94	20	
Carbon disulfide	0.1093	0.050	0.1	0	109	70	130	0.1091	0.201	20	
Carbon tetrachloride	0.05747	0.0050	0.05	0	115	70	130	0.05807	1.04	20	
Chlorobenzene	0.05364	0.0050	0.05	0	107	70	130	0.05252	2.11	20	
Chloroethane	0.05033	0.010	0.05	0	101	70	130	0.05111	1.54	20	
Chloroform	0.05309	0.0050	0.05	0	106	70	130	0.05352	0.807	20	
Chloromethane	0.05343	0.010	0.05	0	107	70	130	0.0542	1.43	20	
cis-1,2-Dichloroethene	0.05102	0.0050	0.05	0	102	70	130	0.05267	3.18	20	
cis-1,3-Dichloropropene	0.04912	0.0020	0.05	0	98.2	70	130	0.04889	0.469	20	
Dibromochloromethane	0.05721	0.0050	0.05	0	114	70	130	0.05501	3.92	20	
Ethylbenzene	0.05485	0.0050	0.05	0	110	70	130	0.05402	1.52	20	
Methyl tert-butyl ether	0.05697	0.0050	0.05	0	114	70	130	0.05578	2.11	20	
Methylene chloride	0.05499	0.010	0.05	0	110	70	130	0.05223	5.15	20	
Styrene	0.05424	0.0050	0.05	0	108	70	130	0.05442	0.331	20	
Tetrachloroethene	0.05851	0.0050	0.05	0	117	70	130	0.0583	0.360	20	
Toluene	0.04924	0.0050	0.05	0.00036	97.8	70	130	0.04827	1.99	20	
trans-1,2-Dichloroethene	0.05537	0.0050	0.05	0	111	70	130	0.05591	0.971	20	
trans-1,3-Dichloropropene	0.05196	0.0020	0.05	0	104	70	130	0.05026	3.33	20	
Trichloroethene	0.05351	0.0050	0.05	0	107	70	130	0.05294	1.07	20	
Vinyl chloride	0.05194	0.0050	0.05	0	104	70	130	0.05242	0.920	20	
Xylenes, Total	0.164	0.015	0.15	0	109	70	130	0.1618	1.34	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134981

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3743438	BFB081617-7	TUNE	BFB	R134981	1	08/16/2017 08:00
3743440	VSTD050	CCV	VOC_ENCORE+	R134981	1	08/16/2017 08:24
3743441	VLK081617-7	MBLK	VOC_ENCORE+	R134981	1	08/16/2017 08:58
3743442	VLCS081617-7	LCS	VOC_ENCORE+	R134981	1	08/16/2017 09:32
3743443	VLCS081617-7	LCSD	VOC_ENCORE+	R134981	1	08/16/2017 10:07
3743444	17080343-022A	SAMP	VOC_5035	102502	1	08/16/2017 10:42
3744346	17080343-023A	SAMP	VOC_5035	102502	1	08/16/2017 11:17
3744356	17080343-024A	SAMP	VOC_5035	102502	1	08/16/2017 11:52
3744436	17080343-025A	SAMP	VOC_5035	102502	1	08/16/2017 12:27
3744471	17080343-026A	SAMP	VOC_5035	102502	1	08/16/2017 13:02
3744472	17080343-027A	SAMP	VOC_5035	102502	1	08/16/2017 13:38
3744661	17080343-028A	SAMP	VOC_5035	102502	1	08/16/2017 14:14
3744662	17080343-029A	SAMP	VOC_5035	102502	1	08/16/2017 14:49
3744720	17080343-030A	SAMP	VOC_5035	102502	1	08/16/2017 15:25
3744749	17080343-031A	SAMP	VOC_5035	102502	1	08/16/2017 16:01
3744825	17080538-001A	SAMP	F-LIST_VOC	102533	1	08/16/2017 16:37
3745093	17080265-001A	SAMP	VOC_5035	102412	1	08/16/2017 17:13
3745095	17080265-011A	SAMP	VOC_5035	102412	1	08/16/2017 17:48
3745098	17080321-011A	RA	VOC_5035	102412	1	08/16/2017 18:24

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
VBLK081617-7	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/16/2017	VOA-7_170816A				3743441	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.075									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone		ND	0.075									
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide		ND	0.050									
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0020									
Dibromochloromethane		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134981

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLK081617-7	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/16/2017	VOA-7_170816A			3743441		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Ethylbenzene	ND	0.0050									
Methyl tert-butyl ether	ND	0.0050									
Methylene chloride	ND	0.010									
Styrene	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	ND	0.0050									
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0020									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLCS081617-7	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/16/2017	VOA-7_170816A			3743442		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05118	0.0050	0.05	0	102	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.05615	0.0050	0.05	0	112	70	130	0	0		
1,1,2-Trichloroethane	0.05397	0.0050	0.05	0	108	70	130	0	0		
1,1-Dichloroethane	0.05346	0.0050	0.05	0	107	70	130	0	0		
1,1-Dichloroethene	0.04992	0.0050	0.05	0	99.8	70	130	0	0		
1,2-Dichloroethane	0.0566	0.0050	0.05	0	113	70	130	0	0		
1,2-Dichloropropane	0.05653	0.0050	0.05	0	113	70	130	0	0		
2-Butanone	0.09599	0.075	0.1	0	96	50	150	0	0		
2-Hexanone	0.1003	0.020	0.1	0	100	50	150	0	0		
4-Methyl-2-pentanone	0.1116	0.020	0.1	0	112	50	150	0	0		
Acetone	0.09952	0.075	0.1	0	99.5	50	150	0	0		
Benzene	0.05492	0.0050	0.05	0	110	70	130	0	0		
Bromodichloromethane	0.05541	0.0050	0.05	0	111	70	130	0	0		
Bromoform	0.05356	0.0050	0.05	0	107	70	130	0	0		
Bromomethane	0.0567	0.010	0.05	0	113	50	150	0	0		
Carbon disulfide	0.1053	0.050	0.1	0	105	70	130	0	0		
Carbon tetrachloride	0.05437	0.0050	0.05	0	109	70	130	0	0		
Chlorobenzene	0.05298	0.0050	0.05	0	106	70	130	0	0		
Chloroethane	0.05786	0.010	0.05	0	116	70	130	0	0		
Chloroform	0.05307	0.0050	0.05	0	106	70	130	0	0		
Chloromethane	0.05758	0.010	0.05	0	115	70	130	0	0		
cis-1,2-Dichloroethene	0.0526	0.0050	0.05	0	105	70	130	0	0		
cis-1,3-Dichloropropene	0.05301	0.0020	0.05	0	106	70	130	0	0		
Dibromochloromethane	0.05372	0.0050	0.05	0	107	70	130	0	0		
Ethylbenzene	0.05204	0.0050	0.05	0	104	70	130	0	0		
Methyl tert-butyl ether	0.05548	0.0050	0.05	0	111	70	130	0	0		
Methylene chloride	0.05013	0.010	0.05	0	100	70	130	0	0		
Styrene	0.05413	0.0050	0.05	0	108	70	130	0	0		
Tetrachloroethene	0.05098	0.0050	0.05	0	102	70	130	0	0		
Toluene	0.0545	0.0050	0.05	0	109	70	130	0	0		
trans-1,2-Dichloroethene	0.05203	0.0050	0.05	0	104	70	130	0	0		
trans-1,3-Dichloropropene	0.05395	0.0020	0.05	0	108	70	130	0	0		
Trichloroethene	0.04942	0.0050	0.05	0	98.8	70	130	0	0		
Vinyl chloride	0.05729	0.0050	0.05	0	115	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134981

Sample ID: VLCS081617-7	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/16/2017	Run ID: VOA-7_170816A			SeqNo: 3743442		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Xylenes, Total 0.1581 0.015 0.15 0 105 70 130 0 0

Sample ID: VLCS081617-7	Customer ID: ZZZZZ	SampType: LCSD	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/16/2017	Run ID: VOA-7_170816A			SeqNo: 3743443		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.04904	0.0050	0.05	0	98.1	70	130	0.05118	4.27	20
1,1,1,2,2-Tetrachloroethane	0.05462	0.0050	0.05	0	109	70	130	0.05615	2.76	20
1,1,2-Trichloroethane	0.05107	0.0050	0.05	0	102	70	130	0.05397	5.52	20
1,1-Dichloroethane	0.05253	0.0050	0.05	0	105	70	130	0.05346	1.75	20
1,1-Dichloroethene	0.04844	0.0050	0.05	0	96.9	70	130	0.04992	3.01	20
1,2-Dichloroethane	0.05266	0.0050	0.05	0	105	70	130	0.0566	7.21	20
1,2-Dichloropropane	0.05114	0.0050	0.05	0	102	70	130	0.05653	10.0	20
2-Butanone	0.09756	0.075	0.1	0	97.6	50	150	0.09599	1.62	20
2-Hexanone	0.09954	0.020	0.1	0	99.5	50	150	0.1003	0.791	20
4-Methyl-2-pentanone	0.1044	0.020	0.1	0	104	50	150	0.1116	6.69	20
Acetone	0.09924	0.075	0.1	0	99.2	50	150	0.09952	0.282	20
Benzene	0.05065	0.0050	0.05	0	101	70	130	0.05492	8.09	20
Bromodichloromethane	0.05154	0.0050	0.05	0	103	70	130	0.05541	7.24	20
Bromoform	0.05226	0.0050	0.05	0	105	70	130	0.05356	2.46	20
Bromomethane	0.05522	0.010	0.05	0	110	50	150	0.0567	2.64	20
Carbon disulfide	0.1011	0.050	0.1	0	101	70	130	0.1053	4.11	20
Carbon tetrachloride	0.05029	0.0050	0.05	0	101	70	130	0.05437	7.80	20
Chlorobenzene	0.04952	0.0050	0.05	0	99	70	130	0.05298	6.75	20
Chloroethane	0.05365	0.010	0.05	0	107	70	130	0.05786	7.55	20
Chloroform	0.05124	0.0050	0.05	0	102	70	130	0.05307	3.51	20
Chloromethane	0.0573	0.010	0.05	0	115	70	130	0.05758	0.487	20
cis-1,2-Dichloroethene	0.04887	0.0050	0.05	0	97.7	70	130	0.0526	7.35	20
cis-1,3-Dichloropropene	0.05048	0.0020	0.05	0	101	70	130	0.05301	4.89	20
Dibromochloromethane	0.05455	0.0050	0.05	0	109	70	130	0.05372	1.53	20
Ethylbenzene	0.05034	0.0050	0.05	0	101	70	130	0.05204	3.32	20
Methyl tert-butyl ether	0.05552	0.0050	0.05	0	111	70	130	0.05548	0.0721	20
Methylene chloride	0.04976	0.010	0.05	0	99.5	70	130	0.05013	0.741	20
Styrene	0.05115	0.0050	0.05	0	102	70	130	0.05413	5.66	20
Tetrachloroethene	0.04637	0.0050	0.05	0	92.7	70	130	0.05098	9.47	20
Toluene	0.05037	0.0050	0.05	0	101	70	130	0.0545	7.88	20
trans-1,2-Dichloroethene	0.0517	0.0050	0.05	0	103	70	130	0.05203	0.636	20
trans-1,3-Dichloropropene	0.05136	0.0020	0.05	0	103	70	130	0.05395	4.92	20
Trichloroethene	0.04539	0.0050	0.05	0	90.8	70	130	0.04942	8.50	20
Vinyl chloride	0.05317	0.0050	0.05	0	106	70	130	0.05729	7.46	20
Xylenes, Total	0.1492	0.015	0.15	0	99.5	70	130	0.1581	5.77	20

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134982

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3743445	BFB081517A-2	TUNE	BFB	R134982	1	08/15/2017 20:54
3743447	VSTD050R	CCV	VOC_ENCORE+	R134982	1	08/15/2017 22:01
3743448	VLK081517A-2	MBLK	VOC_ENCORE+	R134982	1	08/15/2017 22:38
3743449	VLCS081517A-2	LCS	VOC_ENCORE+	R134982	1	08/15/2017 23:16
3743450	VLCS081517A-2	LCSD	VOC_ENCORE+	R134982	1	08/15/2017 23:53
3743452	17080286-017A	SAMP	VOC_5035	102533	1	08/16/2017 00:30
3743455	17080509-001A	SAMP	F-LIST_VOC	102533	1	08/16/2017 01:07
3744161	17080509-001A	SAMP	BTEX_5035	102533	1	08/16/2017 01:07
3743458	17080343-011A	SAMP	VOC_5035	102502	1	08/16/2017 01:44
3743459	17080343-012A	SAMP	VOC_5035	102502	1	08/16/2017 02:20
3743577	17080343-013A	SAMP	VOC_5035	102502	1	08/16/2017 02:57
3743603	17080343-014A	SAMP	VOC_5035	102502	1	08/16/2017 03:34
3743641	17080343-015A	SAMP	VOC_5035	102502	1	08/16/2017 04:10
3743669	17080343-016A	SAMP	VOC_5035	102502	1	08/16/2017 04:47
3743670	17080343-017A	SAMP	VOC_5035	102502	1	08/16/2017 05:24
3743674	17080343-018A	SAMP	VOC_5035	102502	1	08/16/2017 06:00
3743697	17080343-019A	SAMP	VOC_5035	102502	1	08/16/2017 06:37

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:			SeqNo:
VBLK081517A-2	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/15/2017			VOA-2_170815B			3743448
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.075									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone	0.00627		0.075									J
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide		ND	0.050									
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0020									
Dibromochloromethane		ND	0.0050									
Ethylbenzene		ND	0.0050									
Methyl tert-butyl ether		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134982

Sample ID: VLBK081517A-2	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/15/2017	Run ID: VOA-2_170815B			SeqNo: 3743448		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Methylene chloride	ND	0.010
Styrene	ND	0.0050
Tetrachloroethene	ND	0.0050
Toluene	ND	0.0050
trans-1,2-Dichloroethene	ND	0.0050
trans-1,3-Dichloropropene	ND	0.0020
Trichloroethene	ND	0.0050
Vinyl chloride	ND	0.0050
Xylenes, Total	ND	0.015

Sample ID: VLCS081517A-2	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/15/2017	Run ID: VOA-2_170815B			SeqNo: 3743449			
Analyte		Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.04945	0.0050	0.05	0	98.9	70	130	0	0	
1,1,2,2-Tetrachloroethane	0.05375	0.0050	0.05	0	108	70	130	0	0	
1,1,2-Trichloroethane	0.05102	0.0050	0.05	0	102	70	130	0	0	
1,1-Dichloroethane	0.03968	0.0050	0.05	0	79.4	70	130	0	0	
1,1-Dichloroethene	0.0403	0.0050	0.05	0	80.6	70	130	0	0	
1,2-Dichloroethane	0.05422	0.0050	0.05	0	108	70	130	0	0	
1,2-Dichloropropane	0.04116	0.0050	0.05	0	82.3	70	130	0	0	
2-Butanone	0.08359	0.075	0.1	0	83.6	50	150	0	0	
2-Hexanone	0.07702	0.020	0.1	0	77	50	150	0	0	
4-Methyl-2-pentanone	0.07251	0.020	0.1	0	72.5	50	150	0	0	
Acetone	0.07569	0.075	0.1	0.00627	69.4	50	150	0	0	
Benzene	0.04299	0.0050	0.05	0	86	70	130	0	0	
Bromodichloromethane	0.05023	0.0050	0.05	0	100	70	130	0	0	
Bromoform	0.06242	0.0050	0.05	0	125	70	130	0	0	
Bromomethane	0.02891	0.010	0.05	0	57.8	50	150	0	0	
Carbon disulfide	0.07548	0.050	0.1	0	75.5	70	130	0	0	
Carbon tetrachloride	0.05095	0.0050	0.05	0	102	70	130	0	0	
Chlorobenzene	0.05324	0.0050	0.05	0	106	70	130	0	0	
Chloroethane	0.0364	0.010	0.05	0	72.8	70	130	0	0	
Chloroform	0.04408	0.0050	0.05	0	88.2	70	130	0	0	
Chloromethane	0.03329	0.010	0.05	0	66.6	70	130	0	0	S
cis-1,2-Dichloroethene	0.04475	0.0050	0.05	0	89.5	70	130	0	0	
cis-1,3-Dichloropropene	0.04729	0.0020	0.05	0	94.6	70	130	0	0	
Dibromochloromethane	0.06064	0.0050	0.05	0	121	70	130	0	0	
Ethylbenzene	0.04836	0.0050	0.05	0	96.7	70	130	0	0	
Methyl tert-butyl ether	0.04701	0.0050	0.05	0	94	70	130	0	0	
Methylene chloride	0.03187	0.010	0.05	0	63.7	70	130	0	0	S
Styrene	0.05432	0.0050	0.05	0	109	70	130	0	0	
Tetrachloroethene	0.0534	0.0050	0.05	0	107	70	130	0	0	
Toluene	0.04782	0.0050	0.05	0	95.6	70	130	0	0	
trans-1,2-Dichloroethene	0.04231	0.0050	0.05	0	84.6	70	130	0	0	
trans-1,3-Dichloropropene	0.05377	0.0020	0.05	0	108	70	130	0	0	
Trichloroethene	0.04545	0.0050	0.05	0	90.9	70	130	0	0	
Vinyl chloride	0.0341	0.0050	0.05	0	68.2	70	130	0	0	S
Xylenes, Total	0.1591	0.015	0.15	0	106	70	130	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134982

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:	
VLCS081517A-2	ZZZZZ	LCSD	mg/Kg	SW5035/8260B		8/15/2017	VOA-2_170815B			3743450	
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.04687	0.0050	0.05	0	93.7	70	130	0.04945	5.36	20	
1,1,2,2-Tetrachloroethane	0.05453	0.0050	0.05	0	109	70	130	0.05375	1.44	20	
1,1,2-Trichloroethane	0.05104	0.0050	0.05	0	102	70	130	0.05102	0.0392	20	
1,1-Dichloroethane	0.03778	0.0050	0.05	0	75.6	70	130	0.03968	4.91	20	
1,1-Dichloroethene	0.03984	0.0050	0.05	0	79.7	70	130	0.0403	1.15	20	
1,2-Dichloroethane	0.05313	0.0050	0.05	0	106	70	130	0.05422	2.03	20	
1,2-Dichloropropane	0.04019	0.0050	0.05	0	80.4	70	130	0.04116	2.38	20	
2-Butanone	0.07939	0.075	0.1	0	79.4	50	150	0.08359	5.15	20	
2-Hexanone	0.07808	0.020	0.1	0	78.1	50	150	0.07702	1.37	20	
4-Methyl-2-pentanone	0.0708	0.020	0.1	0	70.8	50	150	0.07251	2.39	20	
Acetone	0.07358	0.075	0.1	0.00627	67.3	50	150	0.07569	0	20	J
Benzene	0.04159	0.0050	0.05	0	83.2	70	130	0.04299	3.31	20	
Bromodichloromethane	0.04854	0.0050	0.05	0	97.1	70	130	0.05023	3.42	20	
Bromoform	0.06304	0.0050	0.05	0	126	70	130	0.06242	0.988	20	
Bromomethane	0.03333	0.010	0.05	0	66.7	50	150	0.02891	14.2	20	
Carbon disulfide	0.07408	0.050	0.1	0	74.1	70	130	0.07548	1.87	20	
Carbon tetrachloride	0.04792	0.0050	0.05	0	95.8	70	130	0.05095	6.13	20	
Chlorobenzene	0.05314	0.0050	0.05	0	106	70	130	0.05324	0.188	20	
Chloroethane	0.03479	0.010	0.05	0	69.6	70	130	0.0364	4.52	20	S
Chloroform	0.04369	0.0050	0.05	0	87.4	70	130	0.04408	0.889	20	
Chloromethane	0.03655	0.010	0.05	0	73.1	70	130	0.03329	9.34	20	
cis-1,2-Dichloroethene	0.0427	0.0050	0.05	0	85.4	70	130	0.04475	4.69	20	
cis-1,3-Dichloropropene	0.04481	0.0020	0.05	0	89.6	70	130	0.04729	5.39	20	
Dibromochloromethane	0.06162	0.0050	0.05	0	123	70	130	0.06064	1.60	20	
Ethylbenzene	0.0475	0.0050	0.05	0	95	70	130	0.04836	1.79	20	
Methyl tert-butyl ether	0.04677	0.0050	0.05	0	93.5	70	130	0.04701	0.512	20	
Methylene chloride	0.03066	0.010	0.05	0	61.3	70	130	0.03187	3.87	20	S
Styrene	0.05405	0.0050	0.05	0	108	70	130	0.05432	0.498	20	
Tetrachloroethene	0.0515	0.0050	0.05	0	103	70	130	0.0534	3.62	20	
Toluene	0.04647	0.0050	0.05	0	92.9	70	130	0.04782	2.86	20	
trans-1,2-Dichloroethene	0.04236	0.0050	0.05	0	84.7	70	130	0.04231	0.118	20	
trans-1,3-Dichloropropene	0.05443	0.0020	0.05	0	109	70	130	0.05377	1.22	20	
Trichloroethene	0.04288	0.0050	0.05	0	85.8	70	130	0.04545	5.82	20	
Vinyl chloride	0.03659	0.0050	0.05	0	73.2	70	130	0.0341	7.04	20	
Xylenes, Total	0.1567	0.015	0.15	0	104	70	130	0.1591	1.54	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134991

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3744438	BFB081617-2	TUNE	BFB	R134991	1	08/16/2017 07:25
3744439	VSTD050	CCV	VOC_ENCORE+	R134991	1	08/16/2017 07:55
3744440	VLK081617-2	MBLK	VOC_ENCORE+	R134991	1	08/16/2017 08:33
3744441	VLCS081617-2	LCSD	VOC_ENCORE+	R134991	1	08/16/2017 09:50
3744442	VLCS081617R-2	LCS	VOC_ENCORE+	R134991	1	08/16/2017 10:30
3744443	17080286-037A	SAMP	VOC_5035	102378	1	08/16/2017 11:10
3744444	17080286-038A	SAMP	VOC_5035	102378	1	08/16/2017 11:48
3744445	17080343-020A	SAMP	VOC_5035	102502	1	08/16/2017 12:25
3744446	17080343-021A	SAMP	VOC_5035	102502	1	08/16/2017 13:02
3744476	17080343-032A	SAMP	VOC_5035	102502	1	08/16/2017 13:38
3744493	17080343-033A	SAMP	VOC_5035	102502	1	08/16/2017 14:14
3744614	17080343-034A	SAMP	VOC_5035	102502	1	08/16/2017 14:51
3744706	17080343-003A	SAMP	VOC_5035	102556	1	08/16/2017 15:28
3744750	17080343-009A	SAMP	VOC_5035	102556	1	08/16/2017 16:05
3744826	17080541-001A	SAMP	VOC_5035	102606	1	08/16/2017 17:10
3744829	17080323-002A	SAMP	BTEX_5035	102473	1	08/16/2017 17:48
3744900	17080323-001A	SAMP	BTEX_5035	102473	1	08/16/2017 18:27

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:			SeqNo:
VBLK081617-2	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/16/2017			VOA-2_170816A			3744440
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.075									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone	0.00372		0.075									J
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide		ND	0.050									
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0020									
Dibromochloromethane		ND	0.0050									
Ethylbenzene		ND	0.0050									
Methyl tert-butyl ether		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134991

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLBK081617-2	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/16/2017	VOA-2_170816A			3744440		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Methylene chloride	ND	0.010
Styrene	ND	0.0050
Tetrachloroethene	ND	0.0050
Toluene	ND	0.0050
trans-1,2-Dichloroethene	ND	0.0050
trans-1,3-Dichloropropene	ND	0.0020
Trichloroethene	ND	0.0050
Vinyl chloride	ND	0.0050
Xylenes, Total	ND	0.015

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
VLCS081617R-2	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/16/2017			VOA-2_170816A		3744442	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05793	0.0050	0.05	0	116	70	130	0	0
1,1,2,2-Tetrachloroethane	0.05518	0.0050	0.05	0	110	70	130	0	0
1,1,2-Trichloroethane	0.05325	0.0050	0.05	0	106	70	130	0	0
1,1-Dichloroethane	0.04352	0.0050	0.05	0	87	70	130	0	0
1,1-Dichloroethene	0.04838	0.0050	0.05	0	96.8	70	130	0	0
1,2-Dichloroethane	0.05579	0.0050	0.05	0	112	70	130	0	0
1,2-Dichloropropane	0.0422	0.0050	0.05	0	84.4	70	130	0	0
2-Butanone	0.08617	0.075	0.1	0	86.2	50	150	0	0
2-Hexanone	0.07606	0.020	0.1	0	76.1	50	150	0	0
4-Methyl-2-pentanone	0.07155	0.020	0.1	0	71.6	50	150	0	0
Acetone	0.07712	0.075	0.1	0.00372	73.4	50	150	0	0
Benzene	0.04735	0.0050	0.05	0	94.7	70	130	0	0
Bromodichloromethane	0.05223	0.0050	0.05	0	104	70	130	0	0
Bromoform	0.06272	0.0050	0.05	0	125	70	130	0	0
Bromomethane	0.04022	0.010	0.05	0	80.4	50	150	0	0
Carbon disulfide	0.09129	0.050	0.1	0	91.3	70	130	0	0
Carbon tetrachloride	0.05931	0.0050	0.05	0	119	70	130	0	0
Chlorobenzene	0.05819	0.0050	0.05	0	116	70	130	0	0
Chloroethane	0.04602	0.010	0.05	0	92	70	130	0	0
Chloroform	0.05056	0.0050	0.05	0	101	70	130	0	0
Chloromethane	0.04245	0.010	0.05	0	84.9	70	130	0	0
cis-1,2-Dichloroethene	0.04902	0.0050	0.05	0	98	70	130	0	0
cis-1,3-Dichloropropene	0.04813	0.0020	0.05	0	96.3	70	130	0	0
Dibromochloromethane	0.06439	0.0050	0.05	0	129	70	130	0	0
Ethylbenzene	0.05542	0.0050	0.05	0	111	70	130	0	0
Methyl tert-butyl ether	0.04924	0.0050	0.05	0	98.5	70	130	0	0
Methylene chloride	0.03654	0.010	0.05	0	73.1	70	130	0	0
Styrene	0.05895	0.0050	0.05	0	118	70	130	0	0
Tetrachloroethene	0.06358	0.0050	0.05	0	127	70	130	0	0
Toluene	0.0525	0.0050	0.05	0	105	70	130	0	0
trans-1,2-Dichloroethene	0.04892	0.0050	0.05	0	97.8	70	130	0	0
trans-1,3-Dichloropropene	0.05679	0.0020	0.05	0	114	70	130	0	0
Trichloroethene	0.05163	0.0050	0.05	0	103	70	130	0	0
Vinyl chloride	0.04844	0.0050	0.05	0	96.9	70	130	0	0
Xylenes, Total	0.1793	0.015	0.15	0	120	70	130	0	0

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134991

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:	
VLCS081617-2	ZZZZZ	LCS0	mg/Kg	SW5035/8260B		8/16/2017	VOA-2_170816A			3744441	
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.05592	0.0050	0.05	0	112	70	130	0.05793	3.53	20	
1,1,2,2-Tetrachloroethane	0.05717	0.0050	0.05	0	114	70	130	0.05518	3.54	20	
1,1,2-Trichloroethane	0.05491	0.0050	0.05	0	110	70	130	0.05325	3.07	20	
1,1-Dichloroethane	0.04295	0.0050	0.05	0	85.9	70	130	0.04352	1.32	20	
1,1-Dichloroethene	0.04733	0.0050	0.05	0	94.7	70	130	0.04838	2.19	20	
1,2-Dichloroethane	0.05677	0.0050	0.05	0	114	70	130	0.05579	1.74	20	
1,2-Dichloropropane	0.04186	0.0050	0.05	0	83.7	70	130	0.0422	0.809	20	
2-Butanone	0.07979	0.075	0.1	0	79.8	50	150	0.08617	7.69	20	
2-Hexanone	0.07766	0.020	0.1	0	77.7	50	150	0.07606	2.08	20	
4-Methyl-2-pentanone	0.0711	0.020	0.1	0	71.1	50	150	0.07155	0.631	20	
Acetone	0.07299	0.075	0.1	0.00372	69.3	50	150	0.07712	0	20	J
Benzene	0.04657	0.0050	0.05	0	93.1	70	130	0.04735	1.66	20	
Bromodichloromethane	0.05217	0.0050	0.05	0	104	70	130	0.05223	0.115	20	
Bromoform	0.06787	0.0050	0.05	0	136	70	130	0.06272	7.89	20	S
Bromomethane	0.03738	0.010	0.05	0	74.8	50	150	0.04022	7.32	20	
Carbon disulfide	0.0872	0.050	0.1	0	87.2	70	130	0.09129	4.58	20	
Carbon tetrachloride	0.05825	0.0050	0.05	0	116	70	130	0.05931	1.80	20	
Chlorobenzene	0.05905	0.0050	0.05	0	118	70	130	0.05819	1.47	20	
Chloroethane	0.04332	0.010	0.05	0	86.6	70	130	0.04602	6.04	20	
Chloroform	0.04791	0.0050	0.05	0	95.8	70	130	0.05056	5.38	20	
Chloromethane	0.03967	0.010	0.05	0	79.3	70	130	0.04245	6.77	20	
cis-1,2-Dichloroethene	0.04855	0.0050	0.05	0	97.1	70	130	0.04902	0.963	20	
cis-1,3-Dichloropropene	0.04744	0.0020	0.05	0	94.9	70	130	0.04813	1.44	20	
Dibromochloromethane	0.06583	0.0050	0.05	0	132	70	130	0.06439	2.21	20	S
Ethylbenzene	0.05477	0.0050	0.05	0	110	70	130	0.05542	1.18	20	
Methyl tert-butyl ether	0.04912	0.0050	0.05	0	98.2	70	130	0.04924	0.244	20	
Methylene chloride	0.03387	0.010	0.05	0	67.7	70	130	0.03654	7.58	20	S
Styrene	0.05942	0.0050	0.05	0	119	70	130	0.05895	0.794	20	
Tetrachloroethene	0.0627	0.0050	0.05	0	125	70	130	0.06358	1.39	20	
Toluene	0.05091	0.0050	0.05	0	102	70	130	0.0525	3.08	20	
trans-1,2-Dichloroethene	0.04786	0.0050	0.05	0	95.7	70	130	0.04892	2.19	20	
trans-1,3-Dichloropropene	0.05794	0.0020	0.05	0	116	70	130	0.05679	2.00	20	
Trichloroethene	0.05051	0.0050	0.05	0	101	70	130	0.05163	2.19	20	
Vinyl chloride	0.04482	0.0050	0.05	0	89.6	70	130	0.04844	7.76	20	
Xylenes, Total	0.1779	0.015	0.15	0	119	70	130	0.1793	0.778	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW8260B **Matrix:** W

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VBLK081517-4	97.2	102	109	107				
VLCS081517-4	102	103	109	108				
VLCS081417A-4	98.1	104	110	102				
17080343-035A	99.2	102	111	104				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	79-114
BZMED8	= Toluene-d8	91-109
DBFM	= Dibromofluoromethane	85-123
DCA12D4	= 1,2-Dichloroethane-d4	86-119

* Surrogate recovery outside acceptance limits

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134950

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3742256	BFB081517-4	TUNE	BFB	R134950	1	08/15/2017 07:40
3742257	VSTD020R	CCV	VOC_W+	R134950	1	08/15/2017 08:39
3742258	VLK081517-4	MBLK	VOC_W+	R134950	1	08/15/2017 09:18
3742259	VLCS081517-4	LCS	VOC_W+	R134950	1	08/15/2017 09:56
3742260	VLCS081417A-4	LCSD	VOC_W+	R134950	1	08/15/2017 10:35
3742261	17080281-011A	SAMP	VOC_W	R134950	1	08/15/2017 11:14
3742275	17080281-012A	SAMP	VOC_W	R134950	1	08/15/2017 11:52
3742276	17080281-013A	SAMP	VOC_W	R134950	1	08/15/2017 12:30
3742277	17080281-018A	SAMP	VOC_W	R134950	1	08/15/2017 13:07
3742300	17080281-018A	SAMP	VOC_W	R134950	10	08/15/2017 13:44
3742343	ZBLK081417	MBLK	VOC_TCLP+	R134950	10	08/15/2017 14:22
3742522	17080442-001A	SAMP	VOC_TCLP	R134950	10	08/15/2017 14:59
3742524	17080444-001A	SAMP	VOC_TCLP	R134950	10	08/15/2017 15:36
3742663	17080434-001A	SAMP	VOC_TCLP	R134950	10	08/15/2017 16:13
3742664	17080343-035A	SAMP	VOC_W	R134950	1	08/15/2017 16:55
3743055	17080281-010A	SAMP	VOC_W	R134950	50	08/15/2017 17:32
3743056	17080281-010A	SAMP	VOC_W	R134950	5	08/15/2017 18:07

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
VBLK081517-4	ZZZZZ	MBLK	mg/L	SW8260B		8/15/2017		VOA-4_170815A			3742258	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.020									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone	0.00814		0.020									J
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide		ND	0.010									
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0010									
Dibromochloromethane		ND	0.0050									
Ethylbenzene		ND	0.0050									
Methyl tert-butyl ether		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134950

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLBK081517-4	ZZZZZ	MBLK	mg/L	SW8260B		8/15/2017	VOA-4_170815A			3742258		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Methylene chloride	ND	0.0050									
Styrene	ND	0.0050									
Tetrachloroethene	0.00128	0.0050									J
Toluene	ND	0.0050									
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0010									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0020									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
VLCS081517-4	ZZZZZ	LCS	mg/L	SW8260B		8/15/2017			VOA-4_170815A		3742259	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.02062	0.0050	0.02	0	103	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.02428	0.0050	0.02	0	121	70	130	0	0		
1,1,2-Trichloroethane	0.0238	0.0050	0.02	0	119	70	130	0	0		
1,1-Dichloroethane	0.02225	0.0050	0.02	0	111	70	130	0	0		
1,1-Dichloroethene	0.02176	0.0050	0.02	0	109	70	130	0	0		
1,2-Dichloroethane	0.02173	0.0050	0.02	0	109	70	130	0	0		
1,2-Dichloropropane	0.0217	0.0050	0.02	0	108	70	130	0	0		
2-Butanone	0.05369	0.020	0.04	0	134	50	150	0	0		
2-Hexanone	0.05016	0.020	0.04	0	125	50	150	0	0		
4-Methyl-2-pentanone	0.04787	0.020	0.04	0	120	50	150	0	0		
Acetone	0.06304	0.020	0.04	0.00814	137	50	150	0	0		
Benzene	0.02132	0.0050	0.02	0	107	70	130	0	0		
Bromodichloromethane	0.02051	0.0050	0.02	0	103	70	130	0	0		
Bromoform	0.02193	0.0050	0.02	0	110	70	130	0	0		
Bromomethane	0.02192	0.010	0.02	0	110	50	150	0	0		
Carbon disulfide	0.04475	0.010	0.04	0	112	70	130	0	0		
Carbon tetrachloride	0.02079	0.0050	0.02	0	104	70	130	0	0		
Chlorobenzene	0.02201	0.0050	0.02	0	110	70	130	0	0		
Chloroethane	0.02438	0.010	0.02	0	122	70	130	0	0		
Chloroform	0.02184	0.0050	0.02	0	109	70	130	0	0		
Chloromethane	0.02448	0.010	0.02	0	122	70	130	0	0		
cis-1,2-Dichloroethene	0.02144	0.0050	0.02	0	107	70	130	0	0		
cis-1,3-Dichloropropene	0.02111	0.0010	0.02	0	106	70	130	0	0		
Dibromochloromethane	0.02328	0.0050	0.02	0	116	70	130	0	0		
Ethylbenzene	0.02087	0.0050	0.02	0	104	70	130	0	0		
Methyl tert-butyl ether	0.02308	0.0050	0.02	0	115	70	130	0	0		
Methylene chloride	0.0226	0.0050	0.02	0	113	70	130	0	0		
Styrene	0.02105	0.0050	0.02	0	105	70	130	0	0		
Tetrachloroethene	0.02184	0.0050	0.02	0.00128	103	70	130	0	0		
Toluene	0.02118	0.0050	0.02	0	106	70	130	0	0		
trans-1,2-Dichloroethene	0.02178	0.0050	0.02	0	109	70	130	0	0		
trans-1,3-Dichloropropene	0.0226	0.0010	0.02	0	113	70	130	0	0		
Trichloroethene	0.02116	0.0050	0.02	0	106	70	130	0	0		
Vinyl chloride	0.02377	0.0020	0.02	0	119	70	130	0	0		
Xylenes, Total	0.06171	0.015	0.06	0	103	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134950

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:	
VLCS081417A-4	ZZZZZ	LCSD	mg/L	SW8260B		8/15/2017	VOA-4_170815A			3742260	
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.02119	0.0050	0.02	0	106	70	130	0.02062	2.73	20	
1,1,2,2-Tetrachloroethane	0.02483	0.0050	0.02	0	124	70	130	0.02428	2.24	20	
1,1,2-Trichloroethane	0.02264	0.0050	0.02	0	113	70	130	0.0238	5.00	20	
1,1-Dichloroethane	0.02378	0.0050	0.02	0	119	70	130	0.02225	6.65	20	
1,1-Dichloroethene	0.02318	0.0050	0.02	0	116	70	130	0.02176	6.32	20	
1,2-Dichloroethane	0.02176	0.0050	0.02	0	109	70	130	0.02173	0.138	20	
1,2-Dichloropropane	0.02237	0.0050	0.02	0	112	70	130	0.0217	3.04	20	
2-Butanone	0.05593	0.020	0.04	0	140	50	150	0.05369	4.09	20	
2-Hexanone	0.04999	0.020	0.04	0	125	50	150	0.05016	0.339	20	
4-Methyl-2-pentanone	0.04927	0.020	0.04	0	123	50	150	0.04787	2.88	20	
Acetone	0.06702	0.020	0.04	0.00814	147	50	150	0.06304	6.12	20	
Benzene	0.02172	0.0050	0.02	0	109	70	130	0.02132	1.86	20	
Bromodichloromethane	0.02099	0.0050	0.02	0	105	70	130	0.02051	2.31	20	
Bromoform	0.02171	0.0050	0.02	0	109	70	130	0.02193	1.01	20	
Bromomethane	0.02331	0.010	0.02	0	117	50	150	0.02192	6.15	20	
Carbon disulfide	0.04764	0.010	0.04	0	119	70	130	0.04475	6.26	20	
Carbon tetrachloride	0.02186	0.0050	0.02	0	109	70	130	0.02079	5.02	20	
Chlorobenzene	0.02217	0.0050	0.02	0	111	70	130	0.02201	0.724	20	
Chloroethane	0.02571	0.010	0.02	0	129	70	130	0.02438	5.31	20	
Chloroform	0.02218	0.0050	0.02	0	111	70	130	0.02184	1.54	20	
Chloromethane	0.02652	0.010	0.02	0	133	70	130	0.02448	8.00	20	S
cis-1,2-Dichloroethene	0.02216	0.0050	0.02	0	111	70	130	0.02144	3.30	20	
cis-1,3-Dichloropropene	0.02161	0.0010	0.02	0	108	70	130	0.02111	2.34	20	
Dibromochloromethane	0.02308	0.0050	0.02	0	115	70	130	0.02328	0.863	20	
Ethylbenzene	0.02144	0.0050	0.02	0	107	70	130	0.02087	2.69	20	
Methyl tert-butyl ether	0.02274	0.0050	0.02	0	114	70	130	0.02308	1.48	20	
Methylene chloride	0.02341	0.0050	0.02	0	117	70	130	0.0226	3.52	20	
Styrene	0.02096	0.0050	0.02	0	105	70	130	0.02105	0.428	20	
Tetrachloroethene	0.02259	0.0050	0.02	0.00128	107	70	130	0.02184	3.38	20	
Toluene	0.02161	0.0050	0.02	0	108	70	130	0.02118	2.01	20	
trans-1,2-Dichloroethene	0.02268	0.0050	0.02	0	113	70	130	0.02178	4.05	20	
trans-1,3-Dichloropropene	0.022	0.0010	0.02	0	110	70	130	0.0226	2.69	20	
Trichloroethene	0.02112	0.0050	0.02	0	106	70	130	0.02116	0.189	20	
Vinyl chloride	0.02526	0.0020	0.02	0	126	70	130	0.02377	6.08	20	
Xylenes, Total	0.06198	0.015	0.06	0	103	70	130	0.06171	0.437	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

STAT Analysis Corporation

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW8270C **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
17080343-031B	63.8	67.4	63.2	95.1	54.4	66.9	80.2	86.2
17080343-032B	62.5	68.1	65.3	96.7	52.5	63.9	77.9	90.3
17080343-033B	43.4	43.5	43.2	65.0	38.1	44.2	51.9	60.7
17080343-034B	60.9	57.8	60.8	87.4	51.6	61.5	69.2	81.2
17080375-006BMS	55.7	62.5	58.7	95.8	46.8	55.6	75.2	77.4
17080375-006BMSD	51.2	56.3	53.6	83.5	43.2	51.0	66.5	68.8
MB-102496-SVOC	76.2	77.9	77.3	94.9	73.7	75.9	81.4	72.0
MB-102512-SVOC	87.8	90.9	89.6	113	87.8	87.6	93.2	88.5
MB-102514-SVOC	88.2	91.1	90.9	116	88.7	89.6	99.4	87.7
LCS-102496-SVOC	83.1	82.5	84.6	104	78.3	84.6	90.5	78.8
LCS-102512-SVOC	84.4	86.0	84.8	111	83.2	86.6	89.7	83.9
LCS-102514-SVOC	71.2	72.3	73.1	98.1	71.0	74.1	81.2	75.3
17080343-016B	72.0	72.1	73.4	102	67.9	74.5	82.6	80.5
17080343-017B	80.7	80.4	82.8	118	77.4	83.0	93.1	91.2
17080343-018B	70.7	70.4	72.9	96.3	67.8	74.6	72.1	74.6
17080343-019B	72.4	71.4	71.3	101	72.4	73.9	77.5	83.4
17080343-020B	79.4	79.7	79.6	110	79.0	82.7	85.1	85.3
17080343-021B	75.6	77.9	75.8	103	72.5	78.1	83.6	83.1
17080343-022B	69.5	68.7	68.5	97.2	65.7	71.6	78.4	78.4
17080343-023B	74.5	76.7	75.9	111	73.1	77.0	83.3	78.4
17080343-024B	64.7	66.9	68.1	91.0	66.6	69.7	74.0	69.7
17080343-025B	66.2	64.6	68.4	97.0	61.6	69.0	72.1	80.3
17080343-026B	72.9	72.8	73.9	99.9	69.1	73.9	79.7	75.7
17080343-027B	63.3	63.9	65.6	95.4	62.4	66.3	68.5	74.8
17080343-028B	73.7	72.6	73.2	108	71.9	77.9	83.6	79.9
17080343-029B	66.3	65.2	68.3	98.8	63.1	70.0	79.8	78.9
17080343-029BMS	72.4	70.1	74.7	105	70.0	75.3	82.1	86.6

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW8270C **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
17080343-029BMSD	85.2	82.2	86.5	110	80.8	85.1	90.9	88.2
17080343-030B	97.3	96.2	95.8	109	94.9	98.3	110	95.2
17080444-001AMS	74.1	72.8	84.6	94.6	60.8	79.1	76.1	89.9
17080444-001AMSD	56.5	57.9	66.9	69.5	46.6	60.0	66.4	66.8
17080343-001B	66.0	67.0	76.4	71.2	61.9	71.6	71.9	91.1
17080343-002B	75.8	73.9	85.4	98.7	75.2	78.1	68.3	65.9
17080343-003B	66.7	69.7	80.6	74.3	71.1	72.6	72.1	94.2
17080343-004B	53.7	53.1	62.4	65.5	54.4	56.6	58.7	50.4
17080343-005B	69.1	67.2	78.7	86.5	67.9	73.2	62.0	79.9
17080343-006B	72.0	72.8	84.6	89.1	72.0	77.2	72.2	73.4
17080343-007B	61.0	62.5	71.0	69.2	58.7	63.6	64.8	63.8
17080343-008B	76.2	72.4	84.1	95.7	75.3	76.9	76.9	74.5
17080343-009B	57.7	60.6	69.5	73.1	61.4	61.2	65.4	68.5
17080343-010B	73.6	74.6	84.0	83.5	69.4	75.9	76.1	71.0
17080343-011B	59.1	61.9	70.8	80.6	60.4	64.5	63.2	76.5
17080343-012B	70.7	72.2	80.5	87.0	68.7	75.3	74.6	72.0
17080343-013B	64.4	64.6	73.8	87.3	64.0	69.5	74.8	80.5
17080343-014B	69.8	68.0	78.3	85.1	68.0	75.1	74.4	95.9
17080343-015B	65.1	63.1	74.5	71.8	64.8	70.7	69.8	84.5

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT
GCMS Semivolatiles
BatchID: 102496

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-102496-SVOC			0.03	0	0	1	33.333	8/12/2017	8/12/2017
LCS-102496-SVOC			0.03	0	0	1	33.333	8/12/2017	8/12/2017
17080328-006B	Soil		0.03016	0	0	1	33.156	8/12/2017	8/12/2017
17080343-001B	Soil		0.03021	0	0	1	33.102	8/12/2017	8/12/2017
17080343-002B	Soil		0.03012	0	0	1	33.201	8/12/2017	8/12/2017
17080343-003B	Soil		0.03029	0	0	1	33.014	8/12/2017	8/12/2017
17080343-004B	Soil		0.03034	0	0	1	32.960	8/12/2017	8/12/2017
17080343-005B	Soil		0.03025	0	0	1	33.058	8/12/2017	8/12/2017
17080343-006B	Soil		0.03022	0	0	1	33.091	8/12/2017	8/12/2017
17080343-007B	Soil		0.03018	0	0	1	33.135	8/12/2017	8/12/2017
17080343-008B	Soil		0.03014	0	0	1	33.179	8/12/2017	8/12/2017
17080343-009B	Soil		0.00233	0	0	1	429.185	8/12/2017	8/12/2017
17080343-010B	Soil		0.03027	0	0	1	33.036	8/12/2017	8/12/2017
17080343-011B	Soil		0.03036	0	0	1	32.938	8/12/2017	8/12/2017
17080343-012B	Soil		0.03029	0	0	1	33.014	8/12/2017	8/12/2017
17080409-001A	Soil		0.03058	0	0	1	32.701	8/12/2017	8/12/2017
17080413-002A	Soil		0.03065	0	0	1	32.626	8/12/2017	8/12/2017
17080442-001A	Aqueous		0.01009	0	0	1	99.108	8/12/2017	8/12/2017
17080444-001A	Soil		0.03042	0	0	1	32.873	8/12/2017	8/12/2017
17080435-001B	Soil		0.03028	0	0	1	33.025	8/12/2017	8/12/2017
17080435-002B	Soil		0.03032	0	0	1	32.982	8/12/2017	8/12/2017
17080435-003B	Soil		0.03024	0	0	1	33.069	8/12/2017	8/12/2017
17080444-001AMS	Soil		0.03042	0	0	1	32.873	8/12/2017	8/12/2017
17080444-001AMSD	Soil		0.03043	0	0	1	32.862	8/12/2017	8/12/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102496-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/12/2017	8/15/2017	SVOC-7_170815A				3743377	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene		ND	0.033									
Acenaphthylene		ND	0.033									
Aniline		ND	0.33									
Anthracene		ND	0.033									
Benz(a)anthracene		ND	0.033									
Benzidine		ND	0.33									
Benzo(a)pyrene		ND	0.033									
Benzo(b)fluoranthene		ND	0.033									
Benzo(g,h,i)perylene		ND	0.033									
Benzo(k)fluoranthene		ND	0.033									
Benzoic acid		ND	0.83									
Benzyl alcohol		ND	0.17									
Bis(2-chloroethoxy)methane		ND	0.17									
Bis(2-chloroethyl)ether		ND	0.17									
Bis(2-ethylhexyl)phthalate		ND	0.83									
4-Bromophenyl phenyl ether		ND	0.17									
Butyl benzyl phthalate		ND	0.17									
Carbazole		ND	0.17									
4-Chloroaniline		ND	0.17									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102496

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
MB-102496-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/12/2017	8/15/2017	SVOC-7_170815A			3743377		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33
2-Chloronaphthalene	ND	0.17
2-Chlorophenol	ND	0.17
4-Chlorophenyl phenyl ether	ND	0.17
Chrysene	ND	0.033
Dibenz(a,h)anthracene	ND	0.033
Dibenzofuran	ND	0.17
1,2-Dichlorobenzene	ND	0.17
1,3-Dichlorobenzene	ND	0.17
1,4-Dichlorobenzene	ND	0.17
3,3'-Dichlorobenzidine	ND	0.17
2,4-Dichlorophenol	ND	0.17
Diethyl phthalate	ND	0.17
2,4-Dimethylphenol	ND	0.17
Dimethyl phthalate	ND	0.17
4,6-Dinitro-2-methylphenol	ND	0.33
2,4-Dinitrophenol	ND	0.83
2,4-Dinitrotoluene	ND	0.033
2,6-Dinitrotoluene	ND	0.033
Di-n-butyl phthalate	ND	0.17
Di-n-octyl phthalate	ND	0.17
Fluoranthene	ND	0.033
Fluorene	ND	0.033
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.17
Hexachloroethane	ND	0.17
Indeno(1,2,3-cd)pyrene	ND	0.033
Isophorone	ND	0.17
2-Methylnaphthalene	ND	0.17
2-Methylphenol	ND	0.17
4-Methylphenol	ND	0.17
Naphthalene	ND	0.033
2-Nitroaniline	ND	0.17
3-Nitroaniline	ND	0.17
4-Nitroaniline	ND	0.17
2-Nitrophenol	ND	0.17
4-Nitrophenol	ND	0.33
Nitrobenzene	ND	0.033
N-Nitrosodi-n-propylamine	ND	0.033
N-Nitrosodimethylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
2, 2'-oxybis(1-Chloropropane)	ND	0.17
Pentachlorophenol	ND	0.067
Phenanthrene	ND	0.033
Phenol	ND	0.17
Pyrene	ND	0.033
Pyridine	ND	0.67
1,2,4-Trichlorobenzene	ND	0.17

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102496

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
MB-102496-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/12/2017	8/15/2017	SVOC-7_170815A			3743377		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-Trichlorophenol

ND

0.17

2,4,6-Trichlorophenol

ND

0.17

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
LCS-102496-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	8/12/2017	8/15/2017		SVOC-7_170815A		3743387		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.303

0.033

1.667

0

78.1

37

134

0

0

4-Chloro-3-methylphenol

2.767

0.33

3.333

0

83

29

134

0

0

2-Chlorophenol

2.662

0.17

3.333

0

79.9

29

105

0

0

1,4-Dichlorobenzene

1.272

0.17

1.667

0

76.3

26

111

0

0

2,4-Dinitrotoluene

1.348

0.033

1.667

0

80.9

46

125

0

0

4-Nitrophenol

2.944

0.33

3.333

0

88.3

12

146

0

0

N-Nitrosodi-n-propylamine

1.265

0.033

1.667

0

75.9

29

109

0

0

Pentachlorophenol

3.314

0.067

3.333

0

99.4

10

192

0

0

Phenol

2.605

0.17

3.333

0

78.2

27

104

0

0

Pyrene

1.204

0.033

1.667

0

72.2

42

148

0

0

1,2,4-Trichlorobenzene

1.329

0.17

1.667

0

79.7

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080444-001AMS	ZZZZZ	MS	mg/Kg	SW8270C	8/12/2017	8/15/2017		SVOC-8_170815A		3742351		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.243

0.033

1.644

0

75.6

24

139

0

0

4-Chloro-3-methylphenol

2.579

0.33

3.287

0

78.5

28

121

0

0

2-Chlorophenol

2.314

0.17

3.287

0

70.4

21

102

0

0

1,4-Dichlorobenzene

1.08

0.17

1.644

0

65.7

27

95

0

0

2,4-Dinitrotoluene

1.312

0.033

1.644

0

79.8

32

127

0

0

4-Nitrophenol

3.039

0.33

3.287

0

92.5

10

156

0

0

N-Nitrosodi-n-propylamine

1.224

0.033

1.644

0

74.4

16

122

0

0

Pentachlorophenol

2.518

0.066

3.287

0

76.6

10

204

0

0

Phenol

2.422

0.17

3.287

0

73.7

20

103

0

0

Pyrene

1.372

0.033

1.644

0.03978

81

10

184

0

0

1,2,4-Trichlorobenzene

1.145

0.17

1.644

0

69.7

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080444-001AMSD	ZZZZZ	MSD	mg/Kg	SW8270C	8/12/2017	8/15/2017		SVOC-8_170815A		3742352		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

0.9938

0.033

1.643

0

60.5

24

139

1.243

22.3

57

4-Chloro-3-methylphenol

2.141

0.33

3.286

0

65.2

28

121

2.579

18.6

88

2-Chlorophenol

1.794

0.17

3.286

0

54.6

21

102

2.314

25.3

49

1,4-Dichlorobenzene

0.8426

0.17

1.643

0

51.3

27

95

1.08

24.7

43

2,4-Dinitrotoluene

1.076

0.033

1.643

0

65.4

32

127

1.312

19.8

37

4-Nitrophenol

2.473

0.33

3.286

0

75.2

10

156

3.039

20.6

56

N-Nitrosodi-n-propylamine

0.9993

0.033

1.643

0

60.8

16

122

1.224

20.2

47

Pentachlorophenol

2.034

0.066

3.286

0

61.9

10

204

2.518

21.3

47

Phenol

1.893

0.17

3.286

0

57.6

20

103

2.422

24.5

66

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT
GCMS Semivolatiles
BatchID: 102512

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-102512-SVOC			0.03	0	0	1	33.333	8/14/2017	8/14/2017
LCS-102512-SVOC			0.03	0	0	1	33.333	8/14/2017	8/14/2017
17080343-013B	Soil		0.03022	0	0	1	33.091	8/14/2017	8/14/2017
17080343-014B	Soil		0.0303	0	0	1	33.003	8/14/2017	8/14/2017
17080343-015B	Soil		0.03014	0	0	1	33.179	8/14/2017	8/14/2017
17080343-016B	Soil		0.03003	0	0	1	33.300	8/14/2017	8/14/2017
17080343-017B	Soil		0.0301	0	0	1	33.223	8/14/2017	8/14/2017
17080343-018B	Soil		0.03029	0	0	1	33.014	8/14/2017	8/14/2017
17080343-019B	Soil		0.03007	0	0	1	33.256	8/14/2017	8/14/2017
17080343-020B	Soil		0.03006	0	0	1	33.267	8/14/2017	8/14/2017
17080343-021B	Soil		0.0303	0	0	1	33.003	8/14/2017	8/14/2017
17080343-022B	Soil		0.03011	0	0	1	33.212	8/14/2017	8/14/2017
17080343-023B	Soil		0.03007	0	0	1	33.256	8/14/2017	8/14/2017
17080343-024B	Soil		0.03047	0	0	1	32.819	8/14/2017	8/14/2017
17080343-025B	Soil		0.03001	0	0	1	33.322	8/14/2017	8/14/2017
17080343-026B	Soil		0.03016	0	0	1	33.156	8/14/2017	8/14/2017
17080343-027B	Soil		0.03041	0	0	1	32.884	8/14/2017	8/14/2017
17080343-028B	Soil		0.03026	0	0	1	33.047	8/14/2017	8/14/2017
17080343-029B	Soil		0.03026	0	0	1	33.047	8/14/2017	8/14/2017
17080343-030B	Soil		0.03009	0	0	10	332.336	8/14/2017	8/14/2017
17080343-031B	Soil		0.03025	0	0	1	33.058	8/14/2017	8/14/2017
17080343-032B	Soil		0.03032	0	0	1	32.982	8/14/2017	8/14/2017
17080343-029BMS	Soil		0.03026	0	0	1	33.047	8/14/2017	8/14/2017
17080343-029BMSD	Soil		0.03026	0	0	1	33.047	8/14/2017	8/14/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102512-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/14/2017	8/15/2017	SVOC-7_170815A				3743379	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene		ND	0.033									
Acenaphthylene		ND	0.033									
Aniline		ND	0.33									
Anthracene		ND	0.033									
Benz(a)anthracene		ND	0.033									
Benzidine		ND	0.33									
Benzo(a)pyrene		ND	0.033									
Benzo(b)fluoranthene		ND	0.033									
Benzo(g,h,i)perylene		ND	0.033									
Benzo(k)fluoranthene		ND	0.033									
Benzoic acid		ND	0.83									
Benzyl alcohol		ND	0.17									
Bis(2-chloroethoxy)methane		ND	0.17									
Bis(2-chloroethyl)ether		ND	0.17									
Bis(2-ethylhexyl)phthalate		ND	0.83									
4-Bromophenyl phenyl ether		ND	0.17									
Butyl benzyl phthalate		ND	0.17									
Carbazole		ND	0.17									
4-Chloroaniline		ND	0.17									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102512

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102512-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/14/2017	8/15/2017	SVOC-7_170815A				3743379	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4-Chloro-3-methylphenol		ND	0.33									
2-Chloronaphthalene		ND	0.17									
2-Chlorophenol		ND	0.17									
4-Chlorophenyl phenyl ether		ND	0.17									
Chrysene		ND	0.033									
Dibenz(a,h)anthracene		ND	0.033									
Dibenzofuran		ND	0.17									
1,2-Dichlorobenzene		ND	0.17									
1,3-Dichlorobenzene		ND	0.17									
1,4-Dichlorobenzene		ND	0.17									
3,3´-Dichlorobenzidine		ND	0.17									
2,4-Dichlorophenol		ND	0.17									
Diethyl phthalate		ND	0.17									
2,4-Dimethylphenol		ND	0.17									
Dimethyl phthalate		ND	0.17									
4,6-Dinitro-2-methylphenol		ND	0.33									
2,4-Dinitrophenol		ND	0.83									
2,4-Dinitrotoluene		ND	0.033									
2,6-Dinitrotoluene		ND	0.033									
Di-n-butyl phthalate		ND	0.17									
Di-n-octyl phthalate		ND	0.17									
Fluoranthene		ND	0.033									
Fluorene		ND	0.033									
Hexachlorobenzene		ND	0.17									
Hexachlorobutadiene		ND	0.17									
Hexachlorocyclopentadiene		ND	0.17									
Hexachloroethane		ND	0.17									
Indeno(1,2,3-cd)pyrene		ND	0.033									
Isophorone		ND	0.17									
2-Methylnaphthalene		ND	0.17									
2-Methylphenol		ND	0.17									
4-Methylphenol		ND	0.17									
Naphthalene		ND	0.033									
2-Nitroaniline		ND	0.17									
3-Nitroaniline		ND	0.17									
4-Nitroaniline		ND	0.17									
2-Nitrophenol		ND	0.17									
4-Nitrophenol		ND	0.33									
Nitrobenzene		ND	0.033									
N-Nitrosodi-n-propylamine		ND	0.033									
N-Nitrosodimethylamine		ND	0.17									
N-Nitrosodiphenylamine		ND	0.17									
2, 2'-oxybis(1-Chloropropane)		ND	0.17									
Pentachlorophenol		ND	0.067									
Phenanthrene		ND	0.033									
Phenol		ND	0.17									
Pyrene		ND	0.033									
Pyridine		ND	0.67									
1,2,4-Trichlorobenzene		ND	0.17									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102512

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
MB-102512-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/14/2017	8/15/2017	SVOC-7_170815A			3743379		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-Trichlorophenol

ND

0.17

2,4,6-Trichlorophenol

ND

0.17

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
LCS-102512-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	8/14/2017	8/15/2017		SVOC-7_170815A		3743389		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.392

0.033

1.667

0

83.5

37

134

0

0

4-Chloro-3-methylphenol

2.873

0.33

3.333

0

86.2

29

134

0

0

2-Chlorophenol

2.782

0.17

3.333

0

83.5

29

105

0

0

1,4-Dichlorobenzene

1.297

0.17

1.667

0

77.8

26

111

0

0

2,4-Dinitrotoluene

1.528

0.033

1.667

0

91.7

46

125

0

0

4-Nitrophenol

3.119

0.33

3.333

0

93.6

12

146

0

0

N-Nitrosodi-n-propylamine

1.357

0.033

1.667

0

81.4

29

109

0

0

Pentachlorophenol

3.63

0.067

3.333

0

109

10

192

0

0

Phenol

2.746

0.17

3.333

0

82.4

27

104

0

0

Pyrene

1.352

0.033

1.667

0

81.1

42

148

0

0

1,2,4-Trichlorobenzene

1.399

0.17

1.667

0

83.9

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080343-029BMS	2531V-56-07 (12-1	MS	mg/Kg-dry	SW8270C	8/14/2017	8/16/2017		SVOC-7_170815A		3743424		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.395

0.037

1.853

0

75.3

24

139

0

0

4-Chloro-3-methylphenol

3.155

0.37

3.704

0

85.2

28

121

0

0

2-Chlorophenol

2.58

0.19

3.704

0

69.6

21

102

0

0

1,4-Dichlorobenzene

1.201

0.19

1.853

0

64.8

27

95

0

0

2,4-Dinitrotoluene

1.58

0.037

1.853

0

85.3

32

127

0

0

4-Nitrophenol

3.367

0.37

3.704

0

90.9

10

156

0

0

N-Nitrosodi-n-propylamine

1.216

0.037

1.853

0

65.6

16

122

0

0

Pentachlorophenol

3.738

0.074

3.704

0

101

10

204

0

0

Phenol

2.624

0.19

3.704

0

70.8

20

103

0

0

Pyrene

1.507

0.037

1.853

0

81.3

10

184

0

0

1,2,4-Trichlorobenzene

1.266

0.19

1.853

0

68.3

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-029BMSD	2531V-56-07 (12-1	MSD	mg/Kg-dry	SW8270C	8/14/2017	8/16/2017	SVOC-7_170815A				3743425	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.557

0.037

1.853

0

84

24

139

1.395

11.0

57

4-Chloro-3-methylphenol

3.355

0.37

3.704

0

90.6

28

121

3.155

6.13

88

2-Chlorophenol

3.141

0.19

3.704

0

84.8

21

102

2.58

19.6

49

1,4-Dichlorobenzene

1.455

0.19

1.853

0

78.5

27

95

1.201

19.2

43

2,4-Dinitrotoluene

1.635

0.037

1.853

0

88.3

32

127

1.58

3.43

37

4-Nitrophenol

3.622

0.37

3.704

0

97.8

10

156

3.367

7.29

56

N-Nitrosodi-n-propylamine

1.452

0.037

1.853

0

78.3

16

122

1.216

17.7

47

Pentachlorophenol

4.047

0.074

3.704

0

109

10

204

3.738

7.94

47

Phenol

3.043

0.19

3.704

0

82.1

20

103

2.624

14.8

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT
GCMS Semivolatiles
BatchID: 102514

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-102514-SVOC			0.03	0	0	1	33.333	8/14/2017	8/14/2017
LCS-102514-SVOC			0.03	0	0	1	33.333	8/14/2017	8/14/2017
17080343-033B	Soil		0.03042	0	0	1	32.873	8/14/2017	8/14/2017
17080343-034B	Soil		0.03032	0	0	1	32.982	8/14/2017	8/14/2017
17080375-001B	Soil		0.03035	0	0	1	32.949	8/14/2017	8/14/2017
17080375-002B	Soil		0.03	0	0	1	33.333	8/14/2017	8/14/2017
17080375-003B	Soil		0.03068	0	0	1	32.595	8/14/2017	8/14/2017
17080375-004B	Soil		0.03015	0	0	1	33.167	8/14/2017	8/14/2017
17080375-005B	Soil		0.03039	0	0	1	32.906	8/14/2017	8/14/2017
17080375-006B	Soil		0.03056	0	0	1	32.723	8/14/2017	8/14/2017
17080375-007B	Soil		0.03014	0	0	1	33.179	8/14/2017	8/14/2017
17080375-008B	Soil		0.03022	0	0	1	33.091	8/14/2017	8/14/2017
17080384-001A	Soil		0.03032	0	0	1	32.982	8/14/2017	8/14/2017
17080384-002A	Soil		0.03005	0	0	1	33.278	8/14/2017	8/14/2017
17080384-003A	Soil		0.03052	0	0	1	32.765	8/14/2017	8/14/2017
17080384-004A	Soil		0.03002	0	0	1	33.311	8/14/2017	8/14/2017
17080384-005A	Soil		0.03011	0	0	1	33.212	8/14/2017	8/14/2017
17080384-006A	Soil		0.03037	0	0	1	32.927	8/14/2017	8/14/2017
17080384-007A	Soil		0.03006	0	0	1	33.267	8/14/2017	8/14/2017
17080384-008A	Soil		0.03068	0	0	1	32.595	8/14/2017	8/14/2017
17080384-009A	Soil		0.03005	0	0	1	33.278	8/14/2017	8/14/2017
17080384-010A	Soil		0.03052	0	0	1	32.765	8/14/2017	8/14/2017
17080375-006BMS	Soil		0.03053	0	0	1	32.755	8/14/2017	8/14/2017
17080375-006BMSD	Soil		0.03055	0	0	1	32.733	8/14/2017	8/14/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102514-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/14/2017	8/15/2017	SVOC-7_170815A				3743381	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene		ND	0.033									
Acenaphthylene		ND	0.033									
Aniline		ND	0.33									
Anthracene		ND	0.033									
Benz(a)anthracene		ND	0.033									
Benzidine		ND	0.33									
Benzo(a)pyrene		ND	0.033									
Benzo(b)fluoranthene		ND	0.033									
Benzo(g,h,i)perylene		ND	0.033									
Benzo(k)fluoranthene		ND	0.033									
Benzoic acid		ND	0.83									
Benzyl alcohol		ND	0.17									
Bis(2-chloroethoxy)methane		ND	0.17									
Bis(2-chloroethyl)ether		ND	0.17									
Bis(2-ethylhexyl)phthalate		ND	0.83									
4-Bromophenyl phenyl ether		ND	0.17									
Butyl benzyl phthalate		ND	0.17									
Carbazole		ND	0.17									
4-Chloroaniline		ND	0.17									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102514

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
MB-102514-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/14/2017	8/15/2017		SVOC-7_170815A		3743381		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33
2-Chloronaphthalene	ND	0.17
2-Chlorophenol	ND	0.17
4-Chlorophenyl phenyl ether	ND	0.17
Chrysene	ND	0.033
Dibenz(a,h)anthracene	ND	0.033
Dibenzofuran	ND	0.17
1,2-Dichlorobenzene	ND	0.17
1,3-Dichlorobenzene	ND	0.17
1,4-Dichlorobenzene	ND	0.17
3,3'-Dichlorobenzidine	ND	0.17
2,4-Dichlorophenol	ND	0.17
Diethyl phthalate	ND	0.17
2,4-Dimethylphenol	ND	0.17
Dimethyl phthalate	ND	0.17
4,6-Dinitro-2-methylphenol	ND	0.33
2,4-Dinitrophenol	ND	0.83
2,4-Dinitrotoluene	ND	0.033
2,6-Dinitrotoluene	ND	0.033
Di-n-butyl phthalate	ND	0.17
Di-n-octyl phthalate	ND	0.17
Fluoranthene	ND	0.033
Fluorene	ND	0.033
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.17
Hexachloroethane	ND	0.17
Indeno(1,2,3-cd)pyrene	ND	0.033
Isophorone	ND	0.17
2-Methylnaphthalene	ND	0.17
2-Methylphenol	ND	0.17
4-Methylphenol	ND	0.17
Naphthalene	ND	0.033
2-Nitroaniline	ND	0.17
3-Nitroaniline	ND	0.17
4-Nitroaniline	ND	0.17
2-Nitrophenol	ND	0.17
4-Nitrophenol	ND	0.33
Nitrobenzene	ND	0.033
N-Nitrosodi-n-propylamine	ND	0.033
N-Nitrosodimethylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
2, 2'-oxybis(1-Chloropropane)	ND	0.17
Pentachlorophenol	ND	0.067
Phenanthrene	ND	0.033
Phenol	ND	0.17
Pyrene	ND	0.033
Pyridine	ND	0.67
1,2,4-Trichlorobenzene	ND	0.17

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102514

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102514-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/14/2017	8/15/2017	SVOC-7_170815A				3743381	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-Trichlorophenol

ND

0.17

2,4,6-Trichlorophenol

ND

0.17

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
LCS-102514-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	8/14/2017	8/15/2017		SVOC-7_170815A		3743391		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.274

0.033

1.667

0

76.4

37

134

0

0

4-Chloro-3-methylphenol

2.675

0.33

3.333

0

80.2

29

134

0

0

2-Chlorophenol

2.365

0.17

3.333

0

71

29

105

0

0

1,4-Dichlorobenzene

1.178

0.17

1.667

0

70.7

26

111

0

0

2,4-Dinitrotoluene

1.368

0.033

1.667

0

82

46

125

0

0

4-Nitrophenol

2.875

0.33

3.333

0

86.3

12

146

0

0

N-Nitrosodi-n-propylamine

1.206

0.033

1.667

0

72.3

29

109

0

0

Pentachlorophenol

3.336

0.067

3.333

0

100

10

192

0

0

Phenol

2.436

0.17

3.333

0

73.1

27

104

0

0

Pyrene

1.203

0.033

1.667

0

72.2

42

148

0

0

1,2,4-Trichlorobenzene

1.235

0.17

1.667

0

74.1

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080375-006BMS	ZZZZZ	MS	mg/Kg-dry	SW8270C	8/14/2017	8/16/2017		SVOC-5_170816A		3746028		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.402

0.039

1.969

0

71.2

24

139

0

0

4-Chloro-3-methylphenol

2.542

0.39

3.936

0

64.6

28

121

0

0

2-Chlorophenol

2.126

0.20

3.936

0

54

21

102

0

0

1,4-Dichlorobenzene

1.14

0.20

1.969

0

57.9

27

95

0

0

2,4-Dinitrotoluene

1.258

0.039

1.969

0

63.9

32

127

0

0

4-Nitrophenol

2.294

0.39

3.936

0

58.3

10

156

0

0

N-Nitrosodi-n-propylamine

1.095

0.039

1.969

0

55.6

16

122

0

0

Pentachlorophenol

2.791

0.079

3.936

0

70.9

10

204

0

0

Phenol

2.057

0.20

3.936

0

52.2

20

103

0

0

Pyrene

1.329

0.039

1.969

0

67.5

10

184

0

0

1,2,4-Trichlorobenzene

1.246

0.20

1.969

0

63.3

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080375-006BMSD	ZZZZZ	MSD	mg/Kg-dry	SW8270C	8/14/2017	8/16/2017	SVOC-5_170816A				3746029	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.339

0.039

1.968

0

68.1

24

139

1.402

4.60

57

4-Chloro-3-methylphenol

2.36

0.39

3.934

0

60

28

121

2.542

7.42

88

2-Chlorophenol

2.04

0.20

3.934

0

51.9

21

102

2.126

4.09

49

1,4-Dichlorobenzene

1.072

0.20

1.968

0

54.5

27

95

1.14

6.15

43

2,4-Dinitrotoluene

1.179

0.039

1.968

0

59.9

32

127

1.258

6.49

37

4-Nitrophenol

2.202

0.39

3.934

0

56

10

156

2.294

4.13

56

N-Nitrosodi-n-propylamine

1.031

0.039

1.968

0

52.4

16

122

1.095

6.03

47

Pentachlorophenol

2.527

0.079

3.934

0

64.2

10

204

2.791

9.95

47

Phenol

1.947

0.20

3.934

0

49.5

20

103

2.057

5.45

66

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102471

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS2 8/11/17			1.2	0	0	50	41.667	8/11/2017	8/11/2017
ILCSS2 8/11/17			1.2	0	0	50	41.667	8/11/2017	8/11/2017
17080343-001B	Soil		1.136	0	0	50	44.014	8/11/2017	8/11/2017
17080343-002B	Soil		1.128	0	0	50	44.326	8/11/2017	8/11/2017
17080343-003B	Soil		1.121	0	0	50	44.603	8/11/2017	8/11/2017
17080343-004B	Soil		1.135	0	0	50	44.053	8/11/2017	8/11/2017
17080343-005B	Soil		1.103	0	0	50	45.331	8/11/2017	8/11/2017
17080343-006B	Soil		1.146	0	0	50	43.630	8/11/2017	8/11/2017
17080343-007B	Soil		1.122	0	0	50	44.563	8/11/2017	8/11/2017
17080343-008B	Soil		1.103	0	0	50	45.331	8/11/2017	8/11/2017
17080343-009B	Soil		1.141	0	0	50	43.821	8/11/2017	8/11/2017
17080343-010B	Soil		1.154	0	0	50	43.328	8/11/2017	8/11/2017
17080343-011B	Soil		1.174	0	0	50	42.589	8/11/2017	8/11/2017
17080343-012B	Soil		1.109	0	0	50	45.086	8/11/2017	8/11/2017
17080343-013B	Soil		1.14	0	0	50	43.860	8/11/2017	8/11/2017
17080343-014B	Soil		1.124	0	0	50	44.484	8/11/2017	8/11/2017
17080343-015B	Soil		1.161	0	0	50	43.066	8/11/2017	8/11/2017
17080343-016B	Soil		1.178	0	0	50	42.445	8/11/2017	8/11/2017
17080343-017B	Soil		1.107	0	0	50	45.167	8/11/2017	8/11/2017
17080343-018B	Soil		1.135	0	0	50	44.053	8/11/2017	8/11/2017
17080343-019B	Soil		1.102	0	0	50	45.372	8/11/2017	8/11/2017
17080343-020B	Soil		1.163	0	0	50	42.992	8/11/2017	8/11/2017
17080343-001BMS	Soil		1.133	0	0	50	44.131	8/11/2017	8/11/2017
17080343-001BMSD	Soil		1.139	0	0	50	43.898	8/11/2017	8/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBS2 8/11/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/11/2017	8/15/2017	ICPMS-3_170814C				3742100	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		ND	8.3									
Antimony		ND	0.83									
Arsenic		ND	0.42									
Barium		ND	0.42									
Beryllium		ND	0.21									
Cadmium		ND	0.21									
Calcium		6.464	25									J
Chromium		ND	0.42									
Cobalt		ND	0.42									
Copper		ND	1.0									
Iron		ND	12									
Lead		ND	0.21									
Magnesium		ND	12									
Manganese		ND	0.42									
Nickel		ND	0.42									
Potassium		ND	12									
Selenium		ND	0.42									
Silver		ND	0.42									
Sodium		ND	25									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102471

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
IMBS2 8/11/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/11/2017	8/15/2017	ICPMS-3_170814C			3742100		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Thallium ND 0.42

Vanadium ND 0.42

Zinc ND 2.1

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
ILCSS2 8/11/17	ZZZZZ	LCS	mg/Kg	SW6020	8/11/2017	8/15/2017			ICPMS-3_170814C		3742101	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum 21.28 8.3 20.83 0 102 80 120 0 0

Antimony 10.45 0.83 10.42 0 100 80 120 0 0

Arsenic 21.57 0.42 20.83 0 104 80 120 0 0

Barium 20.65 0.42 20.83 0 99.1 80 120 0 0

Beryllium 23.75 0.21 20.83 0 114 80 120 0 0

Cadmium 22.61 0.21 20.83 0 109 80 120 0 0

Calcium 94.87 25 83.33 6.464 106 80 120 0 0

Chromium 22.9 0.42 20.83 0 110 80 120 0 0

Cobalt 23.23 0.42 20.83 0 111 80 120 0 0

Copper 23.38 1.0 20.83 0 112 80 120 0 0

Iron 94.55 12 83.33 0 113 80 120 0 0

Lead 21.72 0.21 20.83 0 104 80 120 0 0

Magnesium 94.34 12 83.33 0 113 80 120 0 0

Manganese 22.09 0.42 20.83 0 106 80 120 0 0

Nickel 23.58 0.42 20.83 0 113 80 120 0 0

Potassium 91.17 12 83.33 0 109 80 120 0 0

Selenium 21.06 0.42 20.83 0 101 80 120 0 0

Silver 8.757 0.42 8.333 0 105 80 120 0 0

Sodium 94.51 25 83.33 0 113 80 120 0 0

Thallium 20.99 0.42 20.83 0 101 80 120 0 0

Vanadium 22.21 0.42 20.83 0 107 80 120 0 0

Zinc 21.83 2.1 20.83 0 105 80 120 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-001BMS	2531V-18-08 (0-1)	MS	mg/Kg-dry	SW6020	8/11/2017	8/15/2017	ICPMS-3_170814C				3742107	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum 11690 21 25.66 11820 -502 75 125 0 0 S

Antimony 1.272 2.1 12.83 0 9.92 75 125 0 0 JS

Arsenic 34.5 1.0 25.66 11.54 89.5 75 125 0 0

Barium 91.78 1.0 25.66 72.2 76.3 75 125 0 0

Beryllium 30 0.51 25.66 0.8697 114 75 125 0 0

Cadmium 25.64 0.51 25.66 0.1965 99.2 75 125 0 0

Calcium 53760 62 102.6 65050 -11000 75 125 0 0 S

Chromium 46.6 1.0 25.66 22.49 94 75 125 0 0

Cobalt 38.67 1.0 25.66 15.1 91.8 75 125 0 0

Copper 52.94 2.6 25.66 30.35 88 75 125 0 0

Iron 28190 31 102.6 30410 -2160 75 125 0 0 S

Lead 46.33 0.51 25.66 23.01 90.9 75 125 0 0

Magnesium 31400 31 102.6 38670 -7080 75 125 0 0 S

Manganese 527.7 1.0 25.66 553.3 -99.7 75 125 0 0 S

Nickel 59 1.0 25.66 36.34 88.3 75 125 0 0

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

* - Non Accredited Parameter

H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102471

Sample ID: 17080343-001BMS	Customer ID: 2531V-18-08 (0-1)	SampType: MS	Units: mg/Kg-dry	TestNo: SW6020	Prep Date: 8/11/2017	Analysis Date: 8/15/2017	Run ID: ICPMS-3_170814C			SeqNo: 3742107		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Potassium		2026	31	102.6	1968	57.1	75	125	0	0		S
Selenium		23.36	1.0	25.66	0	91	75	125	0	0		
Silver		9.853	1.0	10.26	0.04031	95.6	75	125	0	0		
Sodium		1360	62	102.6	1355	5.61	75	125	0	0		S
Thallium		25.14	1.0	25.66	0.6467	95.4	75	125	0	0		
Vanadium		50.14	1.0	25.66	27.14	89.7	75	125	0	0		
Zinc		95.96	5.1	25.66	75.22	80.9	75	125	0	0		

Sample ID: 17080343-001BMSD	Customer ID: 2531V-18-08 (0-1)	SampType: MSD	Units: mg/Kg-dry	TestNo: SW6020	Prep Date: 8/11/2017	Analysis Date: 8/15/2017	Run ID: ICPMS-3_170814C			SeqNo: 3742108		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum		12370	20	25.52	11820	2140	75	125	11690	5.61	20	S
Antimony		1.348	2.0	12.76	0	10.6	75	125	1.272	0	20	JS
Arsenic		33.33	1.0	25.52	11.54	85.4	75	125	34.5	3.45	20	
Barium		100.1	1.0	25.52	72.2	109	75	125	91.78	8.69	20	
Beryllium		30.46	0.51	25.52	0.8697	116	75	125	30	1.52	20	
Cadmium		25.26	0.51	25.52	0.1965	98.2	75	125	25.64	1.50	20	
Calcium		43210	61	102.1	65050	-21400	75	125	53760	21.8	20	SR
Chromium		47.77	1.0	25.52	22.49	99.1	75	125	46.6	2.49	20	
Cobalt		38.82	1.0	25.52	15.1	92.9	75	125	38.67	0.400	20	
Copper		50.15	2.6	25.52	30.35	77.6	75	125	52.94	5.41	20	
Iron		27920	31	102.1	30410	-2440	75	125	28190	0.977	20	S
Lead		46.33	0.51	25.52	23.01	91.3	75	125	46.33	0.0104	20	
Magnesium		26910	31	102.1	38670	-11500	75	125	31400	15.4	20	S
Manganese		449.3	1.0	25.52	553.3	-408	75	125	527.7	16.1	20	S
Nickel		58.33	1.0	25.52	36.34	86.2	75	125	59	1.14	20	
Potassium		1949	31	102.1	1968	-18.6	75	125	2026	3.90	20	S
Selenium		23.99	1.0	25.52	0	94	75	125	23.36	2.67	20	
Silver		10.05	1.0	10.21	0.04031	98.1	75	125	9.853	2.02	20	
Sodium		1450	61	102.1	1355	93.5	75	125	1360	6.38	20	
Thallium		25.54	1.0	25.52	0.6467	97.5	75	125	25.14	1.60	20	
Vanadium		48.78	1.0	25.52	27.14	84.8	75	125	50.14	2.76	20	
Zinc		93.7	5.1	25.52	75.22	72.4	75	125	95.96	2.39	20	S

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS3 8/11/17			1.2	0	0	50	41.667	8/11/2017	8/11/2017
ILCSS3 8/11/17			1.2	0	0	50	41.667	8/11/2017	8/11/2017
17080343-021B	Soil		1.104	0	0	50	45.290	8/11/2017	8/11/2017
17080343-022B	Soil		1.195	0	0	50	41.841	8/11/2017	8/11/2017
17080343-023B	Soil		1.113	0	0	50	44.924	8/11/2017	8/11/2017
17080343-024B	Soil		1.105	0	0	50	45.249	8/11/2017	8/11/2017
17080343-025B	Soil		1.13	0	0	50	44.248	8/11/2017	8/11/2017
17080343-026B	Soil		1.154	0	0	50	43.328	8/11/2017	8/11/2017
17080343-027B	Soil		1.171	0	0	50	42.699	8/11/2017	8/11/2017
17080343-028B	Soil		1.115	0	0	50	44.843	8/11/2017	8/11/2017
17080343-029B	Soil		1.139	0	0	50	43.898	8/11/2017	8/11/2017
17080343-030B	Soil		1.128	0	0	50	44.326	8/11/2017	8/11/2017
17080343-031B	Soil		1.107	0	0	50	45.167	8/11/2017	8/11/2017
17080343-032B	Soil		1.132	0	0	50	44.170	8/11/2017	8/11/2017
17080343-033B	Soil		1.143	0	0	50	43.745	8/11/2017	8/11/2017
17080343-034B	Soil		1.161	0	0	50	43.066	8/11/2017	8/11/2017
17080343-028BMS	Soil		1.114	0	0	50	44.883	8/11/2017	8/11/2017
17080343-028BMSD	Soil		1.118	0	0	50	44.723	8/11/2017	8/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBS3 8/11/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/11/2017	8/15/2017	ICPMS-3_170814C				3742146	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		0.4969	8.3									J
Antimony		ND	0.83									
Arsenic		ND	0.42									
Barium		ND	0.42									
Beryllium		ND	0.21									
Cadmium		ND	0.21									
Calcium		4.019	25									J
Chromium		ND	0.42									
Cobalt		ND	0.42									
Copper		ND	1.0									
Iron		ND	12									
Lead		ND	0.21									
Magnesium		ND	12									
Manganese		ND	0.42									
Nickel		ND	0.42									
Potassium		5.446	12									J
Selenium		ND	0.42									
Silver		ND	0.42									
Sodium		ND	25									
Thallium		ND	0.42									
Vanadium		ND	0.42									
Zinc		ND	2.1									

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102474

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
ILCSS3 8/11/17	ZZZZZ	LCS	mg/Kg	SW6020	8/11/2017	8/15/2017	ICPMS-3_170814C				3742147	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		21.89	8.3	20.83	0.4969	103	80	120	0	0		
Antimony		10.48	0.83	10.42	0	101	80	120	0	0		
Arsenic		21.72	0.42	20.83	0	104	80	120	0	0		
Barium		21.05	0.42	20.83	0	101	80	120	0	0		
Beryllium		24.97	0.21	20.83	0	120	80	120	0	0		
Cadmium		22.4	0.21	20.83	0	108	80	120	0	0		
Calcium		96.17	25	83.33	4.019	111	80	120	0	0		
Chromium		22.51	0.42	20.83	0	108	80	120	0	0		
Cobalt		22.92	0.42	20.83	0	110	80	120	0	0		
Copper		22.93	1.0	20.83	0	110	80	120	0	0		
Iron		95.35	12	83.33	0	114	80	120	0	0		
Lead		21.87	0.21	20.83	0	105	80	120	0	0		
Magnesium		94.17	12	83.33	0	113	80	120	0	0		
Manganese		22.09	0.42	20.83	0	106	80	120	0	0		
Nickel		23.25	0.42	20.83	0	112	80	120	0	0		
Potassium		95.33	12	83.33	5.446	108	80	120	0	0		
Selenium		21.39	0.42	20.83	0	103	80	120	0	0		
Silver		8.873	0.42	8.333	0	106	80	120	0	0		
Sodium		95.7	25	83.33	0	115	80	120	0	0		
Thallium		21.06	0.42	20.83	0	101	80	120	0	0		
Vanadium		22.31	0.42	20.83	0	107	80	120	0	0		
Zinc		21.61	2.1	20.83	0	104	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080343-028BMS	2531V-56-07 (6-12)	MS	mg/Kg-dry	SW6020	8/11/2017	8/15/2017	ICPMS-3_170815A			3742736		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		5972	20	24.86	7169	-4810	75	125	0	0		S
Antimony		1.736	2.0	12.43	0	14	75	125	0	0		JS
Arsenic		26.49	0.99	24.86	3.166	93.8	75	125	0	0		
Barium		53.94	0.99	24.86	33.4	82.6	75	125	0	0		
Beryllium		24.67	0.50	24.86	0.4919	97.2	75	125	0	0		
Cadmium		23.32	0.50	24.86	0.1049	93.4	75	125	0	0		
Calcium	110300	60	99.44	106000	4320	75	125	0	0	0		S
Chromium		37.49	0.99	24.86	15.09	90.1	75	125	0	0		
Cobalt		29.89	0.99	24.86	7.572	89.8	75	125	0	0		
Copper		37.62	2.5	24.86	16.15	86.4	75	125	0	0		
Iron		14090	30	99.44	18280	-4210	75	125	0	0		S
Lead		31.36	0.50	24.86	8.563	91.7	75	125	0	0		
Magnesium		60780	30	99.44	54510	6300	75	125	0	0		S
Manganese		406	0.99	24.86	405.3	3.17	75	125	0	0		S
Nickel		37.67	0.99	24.86	18.73	76.2	75	125	0	0		
Potassium		1383	30	99.44	1570	-188	75	125	0	0		S
Selenium		22.77	0.99	24.86	0	91.6	75	125	0	0		
Silver		9.022	0.99	9.944	0.03048	90.4	75	125	0	0		
Sodium		476.6	60	99.44	384.7	92.4	75	125	0	0		
Thallium		24.1	0.99	24.86	0.309	95.7	75	125	0	0		
Vanadium		39.95	0.99	24.86	18.43	86.6	75	125	0	0		
Zinc		53.82	5.0	24.86	36.1	71.3	75	125	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102474

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-028BMSD	2531V-56-07 (6-12)	MSD	mg/Kg-dry	SW6020	8/11/2017	8/15/2017	ICPMS-3_170815A				3742737	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		6241	20	24.77	7169	-3740	75	125	5972	4.40	20	S
Antimony		2.017	2.0	12.39	0	16.3	75	125	1.736	15.0	20	S
Arsenic		28.18	0.99	24.77	3.166	101	75	125	26.49	6.18	20	
Barium		58.53	0.99	24.77	33.4	101	75	125	53.94	8.17	20	
Beryllium		27.36	0.50	24.77	0.4919	108	75	125	24.67	10.4	20	
Cadmium		24.99	0.50	24.77	0.1049	100	75	125	23.32	6.91	20	
Calcium	117600		59	99.09	106000	11700	75	125	110300	6.44	20	S
Chromium		39.75	0.99	24.77	15.09	99.5	75	125	37.49	5.85	20	
Cobalt		32.65	0.99	24.77	7.572	101	75	125	29.89	8.81	20	
Copper		39.8	2.5	24.77	16.15	95.5	75	125	37.62	5.64	20	
Iron		14510	30	99.09	18280	-3800	75	125	14090	2.95	20	S
Lead		34.46	0.50	24.77	8.563	105	75	125	31.36	9.42	20	
Magnesium		64610	30	99.09	54510	10200	75	125	60780	6.10	20	S
Manganese		455.8	0.99	24.77	405.3	204	75	125	406	11.6	20	S
Nickel		40.46	0.99	24.77	18.73	87.7	75	125	37.67	7.13	20	
Potassium		1516	30	99.09	1570	-54.4	75	125	1383	9.16	20	S
Selenium		24.63	0.99	24.77	0	99.4	75	125	22.77	7.87	20	
Silver		9.684	0.99	9.909	0.03048	97.4	75	125	9.022	7.07	20	
Sodium		487.7	59	99.09	384.7	104	75	125	476.6	2.31	20	
Thallium		26.37	0.99	24.77	0.309	105	75	125	24.1	9.02	20	
Vanadium		41.92	0.99	24.77	18.43	94.9	75	125	39.95	4.81	20	
Zinc		56.05	5.0	24.77	36.1	80.5	75	125	53.82	4.06	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102613

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW3 8/16/17			50	0	0	50	1.000	8/16/2017	8/16/2017
ILCSW3 8/16/17			50	0	0	50	1.000	8/16/2017	8/16/2017
IMBSPLP 8/15/17			50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-001B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-002B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-002BMS	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-002BMSD	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-003B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-004B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-005B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-006B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-007B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-008B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-009B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-010B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-011B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-012B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-013B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-014B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-015B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-016B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-017B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-018B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-019B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBSPLP 8/15/17	ZZZZZ	MBLK	mg/L	SW1312/6020	8/16/2017	8/18/2017	ICPMS_170817C				3747084	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		ND	0.0040									
Barium		ND	0.020									
Beryllium		ND	0.0020									
Cadmium		ND	0.0020									
Chromium		0.00116	0.0040									J
Cobalt		ND	0.0040									
Copper		ND	0.020									
Iron		ND	0.10									
Lead		ND	0.0020									
Manganese		0.00036	0.0040									J
Nickel		0.00052	0.0080									J
Selenium		ND	0.0040									
Silver		ND	0.0040									
Zinc		0.01882	0.020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-002BMS	2531V-43-01 (0-1)	MS	mg/L	SW1312/6020	8/16/2017	8/18/2017	ICPMS_170817C				3747087	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		0.4903	0.0040	0.5	0.00205	97.6	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102613

Sample ID: 17080343-002BMS	Customer ID: 2531V-43-01 (0-1)	SampType: MS	Units: mg/L	TestNo: SW1312/6020	Prep Date: 8/16/2017	Analysis Date: 8/18/2017	Run ID: ICPMS_170817C			SeqNo: 3747087		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Barium	0.5268	0.020	0.5	0.00891	104	75	125	0	0		
Beryllium	0.5011	0.0020	0.5	0	100	75	125	0	0		
Cadmium	0.5005	0.0020	0.5	0	100	75	125	0	0		
Chromium	0.5469	0.0040	0.5	0.00454	108	75	125	0	0		
Cobalt	0.5296	0.0040	0.5	0.00117	106	75	125	0	0		
Copper	0.5029	0.020	0.5	0.00856	98.9	75	125	0	0		
Iron	4.962	0.10	2	2.754	110	75	125	0	0		
Lead	0.5283	0.0020	0.5	0.00349	105	75	125	0	0		
Manganese	0.5563	0.0040	0.5	0.01984	107	75	125	0	0		
Nickel	0.5294	0.0080	0.5	0.00437	105	75	125	0	0		
Selenium	0.4588	0.0040	0.5	0	91.8	75	125	0	0		
Silver	0.2107	0.0040	0.2	0	105	75	125	0	0		
Zinc	0.5031	0.020	0.5	0.02755	95.1	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
17080343-002BMSD	2531V-43-01 (0-1)	MSD	mg/L	SW1312/6020	8/16/2017	8/18/2017			ICPMS_170817C		3747088	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4834	0.0040	0.5	0.00205	96.3	75	125	0.4903	1.42	20	
Barium	0.5162	0.020	0.5	0.00891	101	75	125	0.5268	2.03	20	
Beryllium	0.4791	0.0020	0.5	0	95.8	75	125	0.5011	4.49	20	
Cadmium	0.4867	0.0020	0.5	0	97.3	75	125	0.5005	2.80	20	
Chromium	0.5457	0.0040	0.5	0.00454	108	75	125	0.5469	0.220	20	
Cobalt	0.5271	0.0040	0.5	0.00117	105	75	125	0.5296	0.473	20	
Copper	0.4936	0.020	0.5	0.00856	97	75	125	0.5029	1.87	20	
Iron	4.956	0.10	2	2.754	110	75	125	4.962	0.121	20	
Lead	0.5167	0.0020	0.5	0.00349	103	75	125	0.5283	2.22	20	
Manganese	0.5502	0.0040	0.5	0.01984	106	75	125	0.5563	1.10	20	
Nickel	0.5215	0.0080	0.5	0.00437	103	75	125	0.5294	1.50	20	
Selenium	0.4562	0.0040	0.5	0	91.2	75	125	0.4588	0.568	20	
Silver	0.205	0.0040	0.2	0	103	75	125	0.2107	2.74	20	
Zinc	0.4954	0.020	0.5	0.02755	93.6	75	125	0.5031	1.54	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
IMBW3 8/16/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/16/2017	8/18/2017		ICPMS_170817C		3747082		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040									
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	ND	0.0040									
Cobalt	ND	0.0040									
Copper	ND	0.010									
Iron	ND	0.10									
Lead	ND	0.0020									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Selenium	ND	0.0040									
Silver	ND	0.0040									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102613

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
IMBW3 8/16/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/16/2017	8/18/2017	ICPMS_170817C			3747082		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Zinc 0.02259 0.020

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
ILCSW3 8/16/17	ZZZZZ	LCS	mg/Kg	SW6020	8/16/2017	8/18/2017			ICPMS_170817C		3747083	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4808	0.0040	0.5	0	96.2	80	120	0	0
Barium	0.4892	0.0040	0.5	0	97.8	80	120	0	0
Beryllium	0.498	0.0020	0.5	0	99.6	80	120	0	0
Cadmium	0.4872	0.0020	0.5	0	97.4	80	120	0	0
Chromium	0.518	0.0040	0.5	0	104	80	120	0	0
Cobalt	0.506	0.0040	0.5	0	101	80	120	0	0
Copper	0.476	0.010	0.5	0	95.2	80	120	0	0
Iron	2.097	0.10	2	0	105	80	120	0	0
Lead	0.486	0.0020	0.5	0	97.2	80	120	0	0
Manganese	0.514	0.0040	0.5	0	103	80	120	0	0
Nickel	0.504	0.0040	0.5	0	101	80	120	0	0
Selenium	0.4712	0.0040	0.5	0	94.2	80	120	0	0
Silver	0.2008	0.0040	0.2	0	100	80	120	0	0
Zinc	0.4952	0.040	0.5	0.02259	94.5	80	120	0	0

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102644

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW3 8/17/17			50	0	0	50	1.000	8/17/2017	8/17/2017
ILCSW3 8/17/17			50	0	0	50	1.000	8/17/2017	8/17/2017
IMBSPLP 8/16/17			50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-029B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-029BMS	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-029BMSD	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-020B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-021B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-022B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-023B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-024B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-025B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-026B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-027B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-028B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-030B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-031B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-032B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-033B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-034B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBW3 8/17/17	ZZZZZ	MBLK	mg/L	SW1312/6020	8/17/2017	8/18/2017	ICPMS_170817C				3747113	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040										
Barium	ND	0.020										
Beryllium	ND	0.0020										
Cadmium	ND	0.0020										
Chromium	0.0007	0.0040										J
Cobalt	ND	0.0040										
Copper	ND	0.020										
Iron	0.01619	0.10										J
Lead	ND	0.0020										
Manganese	ND	0.0040										
Nickel	ND	0.0080										
Selenium	ND	0.0040										
Silver	ND	0.0040										
Zinc	0.01278	0.020										J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBSPLP 8/16/17	ZZZZZ	MBLK	mg/L	SW1312/6020	8/17/2017	8/18/2017	ICPMS_170817C				3747115	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040										
Barium	ND	0.020										
Beryllium	ND	0.0020										
Cadmium	ND	0.0020										
Chromium	0.00213	0.0040										J

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102644

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
IMBSPLP 8/16/17	ZZZZZ	MBLK	mg/L	SW1312/6020	8/17/2017	8/18/2017	ICPMS_170817C			3747115		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cobalt	ND	0.0040									
Copper	ND	0.020									
Iron	0.01567	0.10									J
Lead	ND	0.0020									
Manganese	ND	0.0040									
Nickel	0.00034	0.0080									J
Selenium	ND	0.0040									
Silver	ND	0.0040									
Zinc	0.01402	0.020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
ILCSW3 8/17/17	ZZZZZ	LCS	mg/L	SW1312/6020	8/17/2017	8/18/2017		ICPMS_170817C		3747114		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5294	0.0040	0.5	0	106	80	120	0	0		
Barium	0.5379	0.020	0.5	0	108	80	120	0	0		
Beryllium	0.5404	0.0020	0.5	0	108	80	120	0	0		
Cadmium	0.5372	0.0020	0.5	0	107	80	120	0	0		
Chromium	0.5779	0.0040	0.5	0.0007	115	80	120	0	0		
Cobalt	0.5605	0.0040	0.5	0	112	80	120	0	0		
Copper	0.5246	0.020	0.5	0	105	80	120	0	0		
Iron	2.321	0.10	2	0.01619	115	80	120	0	0		
Lead	0.5408	0.0020	0.5	0	108	80	120	0	0		
Manganese	0.5715	0.0040	0.5	0	114	80	120	0	0		
Nickel	0.5563	0.0080	0.5	0	111	80	120	0	0		
Selenium	0.5168	0.0040	0.5	0	103	80	120	0	0		
Silver	0.2206	0.0040	0.2	0	110	80	120	0	0		
Zinc	0.5387	0.020	0.5	0.01278	105	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-029BMS	2531V-56-07 (12-1	MS	mg/L	SW1312/6020	8/17/2017	8/18/2017	ICPMS_170817C				3747118	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.559	0.0040	0.5	0	112	75	125	0	0		
Barium	0.5846	0.020	0.5	0.00481	116	75	125	0	0		
Beryllium	0.549	0.0020	0.5	0	110	75	125	0	0		
Cadmium	0.557	0.0020	0.5	0	111	75	125	0	0		
Chromium	0.6204	0.0040	0.5	0	124	75	125	0	0		
Cobalt	0.6065	0.0040	0.5	0	121	75	125	0	0		
Copper	0.5554	0.020	0.5	0	111	75	125	0	0		
Iron	2.603	0.10	2	0.1111	125	75	125	0	0		
Lead	0.5853	0.0020	0.5	0	117	75	125	0	0		
Manganese	0.6877	0.0040	0.5	0.07107	123	75	125	0	0		
Nickel	0.598	0.0080	0.5	0.00136	119	75	125	0	0		
Selenium	0.5248	0.0040	0.5	0	105	75	125	0	0		
Silver	0.2295	0.0040	0.2	0	115	75	125	0	0		
Zinc	0.5522	0.020	0.5	0.01233	108	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.**Work Order:** 17080343**Project:** 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL**ANALYTICAL QC SUMMARY REPORT****Metals****BatchID: 102644**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-029BMSD	2531V-56-07 (12-1	MSD	mg/L	SW1312/6020	8/17/2017	8/18/2017	ICPMS_170817C				3747121	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		0.5903	0.0040	0.5	0	118	75	125	0.559	5.45	20	
Barium		0.6139	0.020	0.5	0.00481	122	75	125	0.5846	4.89	20	
Beryllium		0.5786	0.0020	0.5	0	116	75	125	0.549	5.25	20	
Cadmium		0.5825	0.0020	0.5	0	116	75	125	0.557	4.48	20	
Chromium		0.6487	0.0040	0.5	0	130	75	125	0.6204	4.46	20	S
Cobalt		0.6291	0.0040	0.5	0	126	75	125	0.6065	3.66	20	S
Copper		0.5827	0.020	0.5	0	117	75	125	0.5554	4.80	20	
Iron		2.735	0.10	2	0.1111	131	75	125	2.603	4.95	20	S
Lead		0.6144	0.0020	0.5	0	123	75	125	0.5853	4.85	20	
Manganese		0.7208	0.0040	0.5	0.07107	130	75	125	0.6877	4.70	20	S
Nickel		0.6213	0.0080	0.5	0.00136	124	75	125	0.598	3.82	20	
Selenium		0.5476	0.0040	0.5	0	110	75	125	0.5248	4.25	20	
Silver		0.2428	0.0040	0.2	0	121	75	125	0.2295	5.63	20	
Zinc		0.5703	0.020	0.5	0.01233	112	75	125	0.5522	3.22	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 8/18/17			50	0	0	50	1.000	8/18/2017	8/18/2017
ILCSW1 8/18/17			50	0	0	50	1.000	8/18/2017	8/18/2017
IMBTB 8/17/17			50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-015B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-015BMS	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-015BMSD	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-003B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-005B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-006B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-013B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-008B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-012B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-020B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-021B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-024B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-028B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-033B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBTB 8/17/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/18/2017	8/18/2017	ICPMS-3_170818A				3747741	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.010										
Barium	0.003021	0.050										J
Beryllium	ND	0.0050										
Cadmium	ND	0.0050										
Chromium	0.001802	0.010										J
Cobalt	ND	0.010										
Copper	0.002364	0.10										J
Iron	ND	0.25										
Lead	ND	0.0050										
Manganese	ND	0.010										
Nickel	ND	0.020										
Selenium	ND	0.010										
Silver	ND	0.010										
Zinc	0.01931	0.050										J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-015BMS	2531V-56-03 (0-6)	MS	mg/L	SW1311/6020	8/18/2017	8/18/2017	ICPMS-3_170818A				3747744	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5582	0.010	0.5	0	112	75	125	0	0		
Barium	0.7574	0.050	0.5	0.2036	111	75	125	0	0		
Beryllium	0.5158	0.0050	0.5	0	103	75	125	0	0		
Cadmium	0.5208	0.0050	0.5	0.001735	104	75	125	0	0		
Chromium	0.565	0.010	0.5	0	113	75	125	0	0		
Cobalt	0.6041	0.010	0.5	0.04848	111	75	125	0	0		
Copper	0.531	0.10	0.5	0	106	75	125	0	0		
Iron	2.284	0.25	2	0	114	75	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
* - Non Accredited Parameter
H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102676

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-015BMS	2531V-56-03 (0-6)	MS	mg/L	SW1311/6020	8/18/2017	8/18/2017	ICPMS-3_170818A				3747744	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead	0.5523	0.0050	0.5	0	110	75	125	0	0		
Manganese	5.31	0.010	0.5	4.484	165	75	125	0	0		S
Nickel	0.5714	0.020	0.5	0.04744	105	75	125	0	0		
Selenium	0.5702	0.010	0.5	0	114	75	125	0	0		
Silver	0.2077	0.010	0.2	0	104	75	125	0	0		
Zinc	0.5399	0.050	0.5	0.02329	103	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-015BMSD	2531V-56-03 (0-6)	MSD	mg/L	SW1311/6020	8/18/2017	8/18/2017	ICPMS-3_170818A				3747745	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5276	0.010	0.5	0	106	75	125	0.5582	5.63	20	
Barium	0.721	0.050	0.5	0.2036	103	75	125	0.7574	4.92	20	
Beryllium	0.4806	0.0050	0.5	0	96.1	75	125	0.5158	7.06	20	
Cadmium	0.4988	0.0050	0.5	0.001735	99.4	75	125	0.5208	4.31	20	
Chromium	0.546	0.010	0.5	0	109	75	125	0.565	3.42	20	
Cobalt	0.5725	0.010	0.5	0.04848	105	75	125	0.6041	5.37	20	
Copper	0.5104	0.10	0.5	0	102	75	125	0.531	3.98	20	
Iron	2.166	0.25	2	0	108	75	125	2.284	5.30	20	
Lead	0.5226	0.0050	0.5	0	105	75	125	0.5523	5.54	20	
Manganese	5.054	0.010	0.5	4.484	114	75	125	5.31	4.96	20	
Nickel	0.5415	0.020	0.5	0.04744	98.8	75	125	0.5714	5.37	20	
Selenium	0.5236	0.010	0.5	0	105	75	125	0.5702	8.51	20	
Silver	0.1942	0.010	0.2	0	97.1	75	125	0.2077	6.74	20	
Zinc	0.5204	0.050	0.5	0.02329	99.4	75	125	0.5399	3.68	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
IMBW1 8/18/17	ZZZZZ	MBLK	mg/L	SW6020	8/18/2017	8/18/2017		ICPMS-3_170818A			3747739	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.0003636	0.0040									J
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	0.0007939	0.0040									J
Cobalt	ND	0.0040									
Copper	0.002486	0.010									J
Iron	ND	0.10									
Lead	ND	0.0020									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Selenium	ND	0.0040									
Silver	ND	0.0040									
Zinc	0.005283	0.020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
ILCSW1 8/18/17	ZZZZZ	LCS	mg/L	SW6020	8/18/2017	8/18/2017	ICPMS-3_170818A				3747740	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4836	0.0040	0.5	0.0003636	96.7	80	120	0	0		
Barium	0.4612	0.0040	0.5	0	92.2	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102676

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
ILCSW1 8/18/17	ZZZZZ	LCS	mg/L	SW6020	8/18/2017	8/18/2017	ICPMS-3_170818A				3747740	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Beryllium		0.5003	0.0020	0.5	0	100	80	120	0	0		
Cadmium		0.4832	0.0020	0.5	0	96.6	80	120	0	0		
Chromium		0.5052	0.0040	0.5	0.0007939	101	80	120	0	0		
Cobalt		0.5131	0.0040	0.5	0	103	80	120	0	0		
Copper		0.5111	0.010	0.5	0.002486	102	80	120	0	0		
Iron		2.074	0.10	2	0	104	80	120	0	0		
Lead		0.4893	0.0020	0.5	0	97.9	80	120	0	0		
Manganese		0.4916	0.0040	0.5	0	98.3	80	120	0	0		
Nickel		0.5249	0.0040	0.5	0	105	80	120	0	0		
Selenium		0.4768	0.0040	0.5	0	95.4	80	120	0	0		
Silver		0.1921	0.0040	0.2	0	96.1	80	120	0	0		
Zinc		0.4938	0.020	0.5	0.005283	97.7	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080343	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102678

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW2 8/18/17			50	0	0	50	1.000	8/18/2017	8/18/2017
ILCSW2 8/18/17			50	0	0	50	1.000	8/18/2017	8/18/2017
IMBTA1 8/17/17			50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-007B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-007BMS	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-007BMSD	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-001B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-002B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-004B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-009B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-010B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-011B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-014B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-016B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-017B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-018B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-019B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080604-001B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080604-007B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080415-001B	Aqueous		50	0	0	50	1.000	8/18/2017	8/18/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
IMBTA1 8/17/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/18/2017	8/18/2017		ICPMS_170818A		3748179		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.010										
Barium	0.0053	0.050										J
Beryllium	ND	0.0050										
Cadmium	ND	0.0050										
Chromium	0.00353	0.010										J
Cobalt	ND	0.010										
Copper	0.01058	0.10										J
Iron	0.0696	0.25										J
Lead	ND	0.0050										
Manganese	ND	0.010										
Nickel	0.00249	0.020										J
Selenium	ND	0.010										
Silver	ND	0.010										
Zinc	0.02045	0.10										J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-007BMS	2531V-55-01 (0-1)	MS	mg/L	SW1311/6020	8/18/2017	8/18/2017	ICPMS_170818A				3748186	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5256	0.010	0.5	0	105	75	125	0	0		
Barium	1.16	0.050	0.5	0.5873	115	75	125	0	0		
Beryllium	0.4869	0.0050	0.5	0	97.4	75	125	0	0		
Cadmium	0.466	0.0050	0.5	0	93.2	75	125	0	0		
Chromium	0.547	0.010	0.5	0.00421	109	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102678

Sample ID: 17080343-007BMS	Customer ID: 2531V-55-01 (0-1)	SampType: MS	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/18/2017	Analysis Date: 8/18/2017	Run ID: ICPMS_170818A			SeqNo: 3748186		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cobalt	0.5258	0.010	0.5	0	105	75	125	0	0		
Copper	0.522	0.10	0.5	0.01221	102	75	125	0	0		
Iron	2.829	0.25	2	0.6775	108	75	125	0	0		
Lead	0.5726	0.0050	0.5	0	115	75	125	0	0		
Manganese	0.7026	0.010	0.5	0.188	103	75	125	0	0		
Nickel	0.5067	0.020	0.5	0.00555	100	75	125	0	0		
Selenium	0.486	0.010	0.5	0	97.2	75	125	0	0		
Silver	0.1966	0.010	0.2	0	98.3	75	125	0	0		
Zinc	0.5552	0.10	0.5	0.1262	85.8	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
17080343-007BMSD	2531V-55-01 (0-1)	MSD	mg/L	SW1311/6020	8/18/2017	8/18/2017			ICPMS_170818A		3748187	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5319	0.010	0.5	0	106	75	125	0.5256	1.19	20	
Barium	1.184	0.050	0.5	0.5873	119	75	125	1.16	2.05	20	
Beryllium	0.4886	0.0050	0.5	0	97.7	75	125	0.4869	0.349	20	
Cadmium	0.4653	0.0050	0.5	0	93.1	75	125	0.466	0.150	20	
Chromium	0.5479	0.010	0.5	0.00421	109	75	125	0.547	0.164	20	
Cobalt	0.5271	0.010	0.5	0	105	75	125	0.5258	0.247	20	
Copper	0.539	0.10	0.5	0.01221	105	75	125	0.522	3.20	20	
Iron	2.847	0.25	2	0.6775	108	75	125	2.829	0.634	20	
Lead	0.5751	0.0050	0.5	0	115	75	125	0.5726	0.436	20	
Manganese	0.7126	0.010	0.5	0.188	105	75	125	0.7026	1.41	20	
Nickel	0.5087	0.020	0.5	0.00555	101	75	125	0.5067	0.394	20	
Selenium	0.4916	0.010	0.5	0	98.3	75	125	0.486	1.15	20	
Silver	0.1962	0.010	0.2	0	98.1	75	125	0.1966	0.204	20	
Zinc	0.5586	0.10	0.5	0.1262	86.5	75	125	0.5552	0.611	20	

Sample ID: IMBW2 8/18/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW6020	Prep Date: 8/18/2017	Analysis Date: 8/18/2017		Run ID: ICPMS_170818A		SeqNo: 3748177		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040									
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	ND	0.0040									
Cobalt	ND	0.0040									
Copper	ND	0.010									
Iron	0.0654	0.10									J
Lead	ND	0.0020									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Selenium	ND	0.0040									
Silver	ND	0.0040									
Zinc	0.02592	0.040									J

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102678

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
ILCSW2 8/18/17	ZZZZZ	LCS	mg/L	SW6020	8/18/2017	8/18/2017	ICPMS_170818A				3748178	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		0.4997	0.0040	0.5	0	99.9	80	120	0	0		
Barium		0.5018	0.0040	0.5	0	100	80	120	0	0		
Beryllium		0.5138	0.0020	0.5	0	103	80	120	0	0		
Cadmium		0.5131	0.0020	0.5	0	103	80	120	0	0		
Chromium		0.5124	0.0040	0.5	0	102	80	120	0	0		
Cobalt		0.5116	0.0040	0.5	0	102	80	120	0	0		
Copper		0.5013	0.010	0.5	0	100	80	120	0	0		
Iron		2.243	0.10	2	0.0654	109	80	120	0	0		
Lead		0.4967	0.0020	0.5	0	99.3	80	120	0	0		
Manganese		0.5109	0.0040	0.5	0	102	80	120	0	0		
Nickel		0.4883	0.0040	0.5	0	97.7	80	120	0	0		
Selenium		0.5041	0.0040	0.5	0	101	80	120	0	0		
Silver		0.2113	0.0040	0.2	0	106	80	120	0	0		
Zinc		0.5192	0.040	0.5	0.02592	98.7	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080343	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102681

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW4 8/18/17			50	0	0	50	1.000	8/18/2017	8/18/2017
ILCSW4 8/18/17			50	0	0	50	1.000	8/18/2017	8/18/2017
IMBTA2 8/17/17			50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-022B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-023B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-025B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-026B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-026BMS	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-026BMSD	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-027B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-029B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-030B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-031B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-032B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-034B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080321-001C	Aqueous		50	0	0	50	1.000	8/18/2017	8/18/2017
17080321-002B	Aqueous		50	0	0	50	1.000	8/18/2017	8/18/2017
17080328-007C	Aqueous		50	0	0	50	1.000	8/18/2017	8/18/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080343-026BMS	2531V-56-06 (12-1	MS	mg/L	SW1311/6020	8/18/2017	8/18/2017	ICPMS-3_170818A			3748156		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5302	0.010	0.5	0	106	75	125	0	0		
Barium	0.8507	0.050	0.5	0.3291	104	75	125	0	0		
Beryllium	0.4929	0.0050	0.5	0	98.6	75	125	0	0		
Cadmium	0.4781	0.0050	0.5	0	95.6	75	125	0	0		
Chromium	0.537	0.010	0.5	0	107	75	125	0	0		
Cobalt	0.5333	0.010	0.5	0.01215	104	75	125	0	0		
Copper	0.5003	0.10	0.5	0	100	75	125	0	0		
Iron	2.179	0.25	2	0.05498	106	75	125	0	0		
Lead	0.5211	0.0050	0.5	0	104	75	125	0	0		
Manganese	3.304	0.010	0.5	2.819	96.9	75	125	0	0		
Nickel	0.4927	0.020	0.5	0.01517	95.5	75	125	0	0		
Selenium	0.5334	0.010	0.5	0	107	75	125	0	0		
Silver	0.1924	0.010	0.2	0	96.2	75	125	0	0		
Zinc	0.5276	0.050	0.5	0.04541	96.4	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080343-026BMSD	2531V-56-06 (12-1	MSD	mg/L	SW1311/6020	8/18/2017	8/18/2017	ICPMS-3_170818A			3748157		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5377	0.010	0.5	0	108	75	125	0.5302	1.39	20	
Barium	0.8592	0.050	0.5	0.3291	106	75	125	0.8507	0.994	20	
Beryllium	0.508	0.0050	0.5	0	102	75	125	0.4929	3.02	20	
Cadmium	0.488	0.0050	0.5	0	97.6	75	125	0.4781	2.06	20	
Chromium	0.5479	0.010	0.5	0	110	75	125	0.537	2.01	20	
Cobalt	0.5378	0.010	0.5	0.01215	105	75	125	0.5333	0.835	20	
Copper	0.5075	0.10	0.5	0	101	75	125	0.5003	1.43	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102681

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080343-026BMSD	2531V-56-06 (12-1	MSD	mg/L	SW1311/6020	8/18/2017	8/18/2017	ICPMS-3_170818A			3748157		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Iron	2.219	0.25	2	0.05498	108	75	125	2.179	1.85	20	
Lead	0.5266	0.0050	0.5	0	105	75	125	0.5211	1.04	20	
Manganese	3.329	0.010	0.5	2.819	102	75	125	3.304	0.776	20	
Nickel	0.5009	0.020	0.5	0.01517	97.1	75	125	0.4927	1.64	20	
Selenium	0.5342	0.010	0.5	0	107	75	125	0.5334	0.144	20	
Silver	0.1968	0.010	0.2	0	98.4	75	125	0.1924	2.25	20	
Zinc	0.5415	0.050	0.5	0.04541	99.2	75	125	0.5276	2.61	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
IMBW4 8/18/17	ZZZZZ	MBLK	mg/L	SW6020	8/18/2017	8/18/2017		ICPMS-3_170818A			3748150	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.0008175	0.0040									J
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	0.0009917	0.0040									J
Cobalt	ND	0.0040									
Copper	ND	0.010									
Iron	ND	0.10									
Lead	ND	0.0020									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Selenium	ND	0.0040									
Silver	ND	0.0040									
Zinc	0.003748	0.020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
ILCSW4 8/18/17	ZZZZZ	LCS	mg/L	SW6020	8/18/2017	8/18/2017		ICPMS-3_170818A			3748152	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5045	0.0040	0.5	0.0008175	101	80	120	0	0		
Barium	0.491	0.0040	0.5	0	98.2	80	120	0	0		
Beryllium	0.4914	0.0020	0.5	0	98.3	80	120	0	0		
Cadmium	0.4895	0.0020	0.5	0	97.9	80	120	0	0		
Chromium	0.5371	0.0040	0.5	0.0009917	107	80	120	0	0		
Cobalt	0.541	0.0040	0.5	0	108	80	120	0	0		
Copper	0.5351	0.010	0.5	0	107	80	120	0	0		
Iron	2.214	0.10	2	0	111	80	120	0	0		
Lead	0.5113	0.0020	0.5	0	102	80	120	0	0		
Manganese	0.5307	0.0040	0.5	0	106	80	120	0	0		
Nickel	0.5465	0.0040	0.5	0	109	80	120	0	0		
Selenium	0.5104	0.0040	0.5	0	102	80	120	0	0		
Silver	0.2002	0.0040	0.2	0	100	80	120	0	0		
Zinc	0.5144	0.020	0.5	0.003748	102	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080343	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102470

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW3 8/17/17			30	0	0	30	1.000	8/17/2017	8/17/2017
HGLCSW3 8/17/17			30	0	0	30	1.000	8/17/2017	8/17/2017
HGMBSP16 8/16/17			30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-020B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-021B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-022B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-023B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-024B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-025B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-026B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-027B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-028B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-029B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-030B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-031B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-032B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-033B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-034B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-022BMS	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-022BMSD	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMBSP16 8/16/17	ZZZZZ	MBLK	mg/L	SW1312/7470A	8/17/2017	8/17/2017	CETAC 2_170817D			3746790		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury		0.00008	0.00025									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-022BMS	2531V-56-05 (6-12)	MS	mg/L	SW1312/7470A	8/17/2017	8/17/2017	CETAC 2_170817D				3746794	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury		0.0027	0.00025	0.0025	0.00011	104	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-022BMSD	2531V-56-05 (6-12)	MSD	mg/L	SW1312/7470A	8/17/2017	8/17/2017	CETAC 2_170817D				3746795	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury		0.0026	0.00025	0.0025	0.00011	99.6	75	125	0.0027	3.77	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMBW3 8/17/17	ZZZZZ	MBLK	mg/L	SW7470A	8/17/2017	8/17/2017		CETAC 2_170817D			3746788	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury		0.00011	0.00020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGLCSW3 8/17/17	ZZZZZ	LCS	mg/L	SW7470A	8/17/2017	8/17/2017		CETAC 2_170817D		3746789		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury		0.0027	0.00020	0.0025	0.00011	104	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102579

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS1 8/15/17			0.3	0	0	30	100.000	8/15/2017	8/15/2017
HGLCSS1 8/15/17			0.3	0	0	30	100.000	8/15/2017	8/15/2017
17080343-001B	Soil		0.376	0	0	30	79.787	8/15/2017	8/15/2017
17080343-002B	Soil		0.344	0	0	30	87.209	8/15/2017	8/15/2017
17080343-003B	Soil		0.351	0	0	30	85.470	8/15/2017	8/15/2017
17080343-004B	Soil		0.31	0	0	30	96.774	8/15/2017	8/15/2017
17080343-005B	Soil		0.303	0	0	30	99.010	8/15/2017	8/15/2017
17080343-006B	Soil		0.324	0	0	30	92.593	8/15/2017	8/15/2017
17080343-007B	Soil		0.363	0	0	30	82.645	8/15/2017	8/15/2017
17080343-008B	Soil		0.305	0	0	30	98.361	8/15/2017	8/15/2017
17080343-009B	Soil		0.353	0	0	30	84.986	8/15/2017	8/15/2017
17080343-010B	Soil		0.301	0	0	30	99.668	8/15/2017	8/15/2017
17080343-010BMS	Soil		0.301	0	0	30	99.668	8/15/2017	8/15/2017
17080343-010BMSD	Soil		0.301	0	0	30	99.668	8/15/2017	8/15/2017
17080343-011B	Soil		0.338	0	0	30	88.757	8/15/2017	8/15/2017
17080343-012B	Soil		0.347	0	0	30	86.455	8/15/2017	8/15/2017
17080343-013B	Soil		0.364	0	0	30	82.418	8/15/2017	8/15/2017
17080343-014B	Soil		0.356	0	0	30	84.270	8/15/2017	8/15/2017
17080343-015B	Soil		0.347	0	0	30	86.455	8/15/2017	8/15/2017
17080343-016B	Soil		0.32	0	0	30	93.750	8/15/2017	8/15/2017
17080343-017B	Soil		0.351	0	0	30	85.470	8/15/2017	8/15/2017
17080343-018B	Soil		0.372	0	0	30	80.645	8/15/2017	8/15/2017
17080343-019B	Soil		0.394	0	0	30	76.142	8/15/2017	8/15/2017
17080343-020B	Soil		0.306	0	0	30	98.039	8/15/2017	8/15/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMBS1 8/15/17	ZZZZZ	MBLK	mg/Kg	SW7471A	8/15/2017	8/15/2017		CETAC 2_170815D			3742896	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGLCSS1 8/15/17	ZZZZZ	LCS	mg/Kg	SW7471A	8/15/2017	8/15/2017		CETAC 2_170815D		3747514		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080343-010BMS	2531V-56-01 (6-12)	MS	mg/Kg-dry	SW7471A	8/15/2017	8/15/2017		CETAC 2_170815D		3742910		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-010BMSD	2531V-56-01 (6-12)	MSD	mg/Kg-dry	SW7471A	8/15/2017	8/15/2017	CETAC 2_170815D				3742911	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102580

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMB2 8/15/17			0.3	0	0	30	100.000	8/15/2017	8/15/2017
HGLCSS2 8/15/17			0.3	0	0	30	100.000	8/15/2017	8/15/2017
17080343-021B	Soil		0.39	0	0	30	76.923	8/15/2017	8/15/2017
17080343-022B	Soil		0.37	0	0	30	81.081	8/15/2017	8/15/2017
17080343-023B	Soil		0.321	0	0	30	93.458	8/15/2017	8/15/2017
17080343-024B	Soil		0.376	0	0	30	79.787	8/15/2017	8/15/2017
17080343-025B	Soil		0.372	0	0	30	80.645	8/15/2017	8/15/2017
17080343-026B	Soil		0.348	0	0	30	86.207	8/15/2017	8/15/2017
17080343-027B	Soil		0.318	0	0	30	94.340	8/15/2017	8/15/2017
17080343-027BMS	Soil		0.315	0	0	30	95.238	8/15/2017	8/15/2017
17080343-027BMSD	Soil		0.316	0	0	30	94.937	8/15/2017	8/15/2017
17080343-028B	Soil		0.328	0	0	30	91.463	8/15/2017	8/15/2017
17080343-029B	Soil		0.369	0	0	30	81.301	8/15/2017	8/15/2017
17080343-030B	Soil		0.357	0	0	30	84.034	8/15/2017	8/15/2017
17080343-031B	Soil		0.315	0	0	30	95.238	8/15/2017	8/15/2017
17080343-032B	Soil		0.333	0	0	30	90.090	8/15/2017	8/15/2017
17080343-033B	Soil		0.343	0	0	30	87.464	8/15/2017	8/15/2017
17080343-034B	Soil		0.39	0	0	30	76.923	8/15/2017	8/15/2017
17080472-002A	Solid		0.399	0	0	30	75.188	8/15/2017	8/15/2017
17080472-003A	Solid		0.362	0	0	30	82.873	8/15/2017	8/15/2017
17080472-004A	Solid		0.31	0	0	30	96.774	8/15/2017	8/15/2017
17080472-006A	Solid		0.369	0	0	30	81.301	8/15/2017	8/15/2017
17080472-007A	Solid		0.316	0	0	30	94.937	8/15/2017	8/15/2017
17080472-008A	Solid		0.322	0	0	30	93.168	8/15/2017	8/15/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMB2 8/15/17	ZZZZZ	MBLK	mg/Kg	SW7471A	8/15/2017	8/15/2017		CETAC 2_170815D			3742924	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGLCSS2 8/15/17	ZZZZZ	LCS	mg/Kg	SW7471A	8/15/2017	8/15/2017	CETAC 2_170815D				3742982	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.27	0.020	0.25	0	108	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080343-027BMS	2531V-56-07 (0-6)	MS	mg/Kg-dry	SW7471A	8/15/2017	8/15/2017	CETAC 2_170815D			3742935		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.313	0.020	0.2524	0.03301	111	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080343-027BMSD	2531V-56-07 (0-6)	MSD	mg/Kg-dry	SW7471A	8/15/2017	8/15/2017		CETAC 2_170815D		3742936		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.312	0.020	0.2516	0.03301	111	75	125	0.313	0.317	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102615

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW2 8/16/17			30	0	0	30	1.000	8/16/2017	8/16/2017
HGLCSW2 8/16/17			30	0	0	30	1.000	8/16/2017	8/16/2017
HGMB SPL 8/15/17			30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-001B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-002B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-003B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-004B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-005B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-006B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-007B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-008B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-009B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-010B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-011B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-012B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-013B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-014B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-015B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-016B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-017B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-018B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-019B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-001BMS	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-001BMSD	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMB SPL 8/15/17	ZZZZZ	MBLK	mg/L	SW1312/7470A	8/16/2017	8/16/2017	CETAC 2_170816F				3744916	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.00006 0.00025 J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080343-001BMS	2531V-18-08 (0-1)	MS	mg/L	SW1312/7470A	8/16/2017	8/16/2017	CETAC 2_170816F			3744918		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0026 0.00025 0.0025 0.00006 102 75 125 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-001BMSD	2531V-18-08 (0-1)	MSD	mg/L	SW1312/7470A	8/16/2017	8/16/2017	CETAC 2_170816F				3744919	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0026 0.00025 0.0025 0.00006 102 75 125 0.0026 0 20

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMBW2 8/16/17	ZZZZZ	MBLK	mg/L	SW7470A	8/16/2017	8/16/2017		CETAC 2_170816F			3744914	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.00006 0.00020 J

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102615

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
HGLCSW2 8/16/17	ZZZZZ	LCS	mg/L	SW7470A	8/16/2017	8/16/2017	CETAC 2_170816F			3744942		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0027	0.00020	0.0025	0.00006	106	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102674

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 8/18/17			30	0	0	30	1.000	8/18/2017	8/18/2017
HGLCSW1 8/18/17			30	0	0	30	1.000	8/18/2017	8/18/2017
HGMBTA1 8/17/17			30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-001B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-002B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-004B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-007B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-009B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-009BMS	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-009BMSD	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-010B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-011B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-014B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-016B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-017B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-019B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
HGMB SPL 8/17/17			30	0	0	30	1.000	8/18/2017	8/18/2017
17080604-002B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080604-003B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080604-005B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080604-006B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080604-008B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080604-003BMS	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
HGMBTA1 8/17/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/18/2017	8/18/2017	CETAC 2_170818B			3747931		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00004	0.00020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080343-009BMS	2531V-56-01 (0-6)	MS	mg/L	SW1311/7470A	8/18/2017	8/18/2017	CETAC 2_170818B			3747937		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0028	0.00020	0.0025	0.00004	110	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080343-009BMSD	2531V-56-01 (0-6)	MSD	mg/L	SW1311/7470A	8/18/2017	8/18/2017	CETAC 2_170818B			3747938		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0029	0.00020	0.0025	0.00004	114	75	125	0.0028	3.51	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
HGMBW1 8/18/17	ZZZZZ	MBLK	mg/L	SW7470A	8/18/2017	8/18/2017	CETAC 2_170818B			3747929		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.00020									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102674

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGLCSW1 8/18/17	ZZZZZ	LCS	mg/L	SW7470A	8/18/2017	8/18/2017	CETAC 2_170818B				3747930	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0029	0.00020	0.0025	0.00004	114	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080343	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102677

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW2 8/18/17			30	0	0	30	1.000	8/18/2017	8/18/2017
HGLCSW2 8/18/17			30	0	0	30	1.000	8/18/2017	8/18/2017
HGMBTB 8/17/17			30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-003B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-003BMS	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-003BMSD	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-006B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-008B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-012B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-013B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-015B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-005B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-018B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080432-001B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080432-002B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080432-003B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-020B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-021B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-024B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-028B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-033B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBTB 8/17/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/18/2017	8/18/2017	CETAC 2_170818B				3747949	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00004	0.00020									J
Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-003BMS	2531V-43-02 (0-1)	MS	mg/L	SW1311/7470A	8/18/2017	8/18/2017	CETAC 2_170818B				3747953	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0029	0.00020	0.0025	0.00004	114	75	125	0	0		
Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-003BMSD	2531V-43-02 (0-1)	MSD	mg/L	SW1311/7470A	8/18/2017	8/18/2017	CETAC 2_170818B				3747966	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0026	0.00020	0.0025	0.00004	102	75	125	0.0029	10.9	20	
Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBW2 8/18/17	ZZZZZ	MBLK	mg/L	SW7470A	8/18/2017	8/18/2017	CETAC 2_170818B				3747947	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.00020									
Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGLCSW2 8/18/17	ZZZZZ	LCS	mg/L	SW7470A	8/18/2017	8/18/2017	CETAC 2_170818B				3747948	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0025	0.00020	0.0025	0	100	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102679

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW3 8/18/17			30	0	0	30	1.000	8/18/2017	8/18/2017
HGLCSW3 8/18/17			30	0	0	30	1.000	8/18/2017	8/18/2017
HGMBTA2 8/17/17			30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-022B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-022BMS	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-022BMSD	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-023B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-025B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-026B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-027B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-029B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-030B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-031B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-032B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-034B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGMBTA2 8/17/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/18/2017	8/18/2017		CETAC 2_170818B		3747974		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.00007 0.00020 J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080343-022BMS	2531V-56-05 (6-12)	MS	mg/L	SW1311/7470A	8/18/2017	8/18/2017	CETAC 2_170818B			3747991		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0025 0.00020 0.0025 0.00007 97.2 75 125 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-022BMSD	2531V-56-05 (6-12)	MSD	mg/L	SW1311/7470A	8/18/2017	8/18/2017	CETAC 2_170818B				3747992	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0026 0.00020 0.0025 0.00007 101 75 125 0.0025 3.92 20

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMBW3 8/18/17	ZZZZZ	MBLK	mg/L	SW7470A	8/18/2017	8/18/2017		CETAC 2_170818B			3747972	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.00007 0.00020 J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGLCSW3 8/18/17	ZZZZZ	LCS	mg/L	SW7470A	8/18/2017	8/18/2017		CETAC 2_170818B		3747973		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0025 0.00020 0.0025 0.00007 97.2 85 115 0 0

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134973

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3743020	17080294-010A	SAMP	PH_S	R134973	1	08/15/2017
3743021	17080294-010ADUP	DUP	PH_S	R134973	1	08/15/2017
3743022	17080294-011A	SAMP	PH_S	R134973	1	08/15/2017
3743023	17080319-001B	SAMP	PH_S	R134973	1	08/15/2017
3743024	17080319-002B	SAMP	PH_S	R134973	1	08/15/2017
3743025	17080321-003A	SAMP	PH_S	R134973	1	08/15/2017
3743026	17080321-005A	SAMP	PH_S	R134973	1	08/15/2017
3743027	17080321-008A	SAMP	PH_S	R134973	1	08/15/2017
3743028	17080321-011B	SAMP	PH_S	R134973	1	08/15/2017
3743029	17080328-001B	SAMP	PH_S	R134973	1	08/15/2017
3743030	17080328-002B	SAMP	PH_S	R134973	1	08/15/2017
3743031	17080328-003B	SAMP	PH_S	R134973	1	08/15/2017
3743032	17080328-004B	SAMP	PH_S	R134973	1	08/15/2017
3743033	17080328-005B	SAMP	PH_S	R134973	1	08/15/2017
3743034	17080328-006B	SAMP	PH_S	R134973	1	08/15/2017
3743035	17080338-001B	SAMP	PH_S	R134973	1	08/15/2017
3743036	17080338-003B	SAMP	PH_S	R134973	1	08/15/2017
3743037	17080338-005B	SAMP	PH_S	R134973	1	08/15/2017
3743038	17080343-001B	SAMP	PH_S	R134973	1	08/15/2017
3743039	17080343-002B	SAMP	PH_S	R134973	1	08/15/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
17080294-010ADUP	ZZZZZ	DUP	pH Units	SW9045C	8/15/2017	8/15/2017			PH_170815B		3743021	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH		7.18	0	0	0	0	0	0	7.12	0.839	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R135016

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3744988	17080343-003B	SAMP	PH_S	R135016	1	08/16/2017
3744989	17080343-003BDUP	DUP	PH_S	R135016	1	08/16/2017
3744990	17080343-004B	SAMP	PH_S	R135016	1	08/16/2017
3744991	17080343-005B	SAMP	PH_S	R135016	1	08/16/2017
3744992	17080343-006B	SAMP	PH_S	R135016	1	08/16/2017
3744993	17080343-007B	SAMP	PH_S	R135016	1	08/16/2017
3744994	17080343-009B	SAMP	PH_S	R135016	1	08/16/2017
3744995	17080343-010B	SAMP	PH_S	R135016	1	08/16/2017
3744996	17080343-011B	SAMP	PH_S	R135016	1	08/16/2017
3744997	17080343-012B	SAMP	PH_S	R135016	1	08/16/2017
3744998	17080343-013B	SAMP	PH_S	R135016	1	08/16/2017
3744999	17080343-014B	SAMP	PH_S	R135016	1	08/16/2017
3745000	17080343-015B	SAMP	PH_S	R135016	1	08/16/2017
3745001	17080343-016B	SAMP	PH_S	R135016	1	08/16/2017
3745002	17080343-017B	SAMP	PH_S	R135016	1	08/16/2017
3745003	17080343-018B	SAMP	PH_S	R135016	1	08/16/2017
3745004	17080343-019B	SAMP	PH_S	R135016	1	08/16/2017
3745005	17080343-020B	SAMP	PH_S	R135016	1	08/16/2017
3745006	17080343-021B	SAMP	PH_S	R135016	1	08/16/2017
3746225	17080343-008B	SAMP	PH_S	R135016	1	08/16/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080343-003BDUP	2531V-43-02 (0-1)	DUP	pH Units	SW9045C	8/16/2017	8/16/2017	PH_170816A			3744989		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH	8.76		0	0	0	0	0	0	8.82	0.683	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R135018

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3745009	17080343-022B	SAMP	PH_S	R135018	1	08/16/2017
3745010	17080343-022BDUP	DUP	PH_S	R135018	1	08/16/2017
3745011	17080343-023B	SAMP	PH_S	R135018	1	08/16/2017
3745012	17080343-024B	SAMP	PH_S	R135018	1	08/16/2017
3745013	17080343-025B	SAMP	PH_S	R135018	1	08/16/2017
3745014	17080343-026B	SAMP	PH_S	R135018	1	08/16/2017
3745015	17080343-027B	SAMP	PH_S	R135018	1	08/16/2017
3745016	17080343-028B	SAMP	PH_S	R135018	1	08/16/2017
3745017	17080343-029B	SAMP	PH_S	R135018	1	08/16/2017
3745018	17080343-030B	SAMP	PH_S	R135018	1	08/16/2017
3745019	17080343-031B	SAMP	PH_S	R135018	1	08/16/2017
3745020	17080343-032B	SAMP	PH_S	R135018	1	08/16/2017
3745021	17080343-033B	SAMP	PH_S	R135018	1	08/16/2017
3745022	17080343-034B	SAMP	PH_S	R135018	1	08/16/2017
3745023	17080375-004B	SAMP	PH_S	R135018	1	08/16/2017
3745024	17080375-006B	SAMP	PH_S	R135018	1	08/16/2017
3745025	17080375-007B	SAMP	PH_S	R135018	1	08/16/2017
3745026	17080375-008B	SAMP	PH_S	R135018	1	08/16/2017
3745027	17080384-001A	SAMP	PH_S	R135018	1	08/16/2017
3745028	17080384-002A	SAMP	PH_S	R135018	1	08/16/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080343-022BDUP	2531V-56-05 (6-12)	DUP	pH Units	SW9045C	8/16/2017	8/16/2017	PH_170816C			3745010		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH		7.41	0	0	0	0	0	0	7.48	0.940	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134940

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3741683	PMBLK2 8/14/17	MBLK	PMOIST	R134940	1	08/15/2017
3741684	PMLCS-S2 8/14/17	LCS	PMOIST	R134940	1	08/15/2017
3741685	PMLCS-W2 8/14/17	LCS	PMOIST	R134940	1	08/15/2017
3741686	17080343-004B	SAMP	PMOIST	R134940	1	08/15/2017
3741687	17080343-004B DUP	DUP	PMOIST	R134940	1	08/15/2017
3741688	17080343-001B	SAMP	PMOIST	R134940	1	08/15/2017
3741689	17080343-002B	SAMP	PMOIST	R134940	1	08/15/2017
3741690	17080343-003B	SAMP	PMOIST	R134940	1	08/15/2017
3741691	17080343-005B	SAMP	PMOIST	R134940	1	08/15/2017
3741692	17080343-006B	SAMP	PMOIST	R134940	1	08/15/2017
3741693	17080343-007B	SAMP	PMOIST	R134940	1	08/15/2017
3741694	17080343-008B	SAMP	PMOIST	R134940	1	08/15/2017
3741695	17080343-009B	SAMP	PMOIST	R134940	1	08/15/2017
3741696	17080343-010B	SAMP	PMOIST	R134940	1	08/15/2017
3741697	17080343-011B	SAMP	PMOIST	R134940	1	08/15/2017
3741698	17080343-012B	SAMP	PMOIST	R134940	1	08/15/2017
3741699	17080343-013B	SAMP	PMOIST	R134940	1	08/15/2017
3741700	17080343-014B	SAMP	PMOIST	R134940	1	08/15/2017
3741701	17080343-015B	SAMP	PMOIST	R134940	1	08/15/2017
3741702	17080343-016B	SAMP	PMOIST	R134940	1	08/15/2017
3741703	17080343-017B	SAMP	PMOIST	R134940	1	08/15/2017
3741704	17080343-018B	SAMP	PMOIST	R134940	1	08/15/2017
3741705	17080343-019B	SAMP	PMOIST	R134940	1	08/15/2017
3741706	17080343-020B	SAMP	PMOIST	R134940	1	08/15/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMBLK2 8/14/17	ZZZZZ	MBLK	wt%	D2974	8/14/2017	8/15/2017	BALANCE_170814B				3741683	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		ND	0.200									*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-S2 8/14/17	ZZZZZ	LCS	wt%	D2974	8/14/2017	8/15/2017	BALANCE_170814B				3741684	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		4.86	0.200	5	0	97.2	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-W2 8/14/17	ZZZZZ	LCS	wt%	D2974	8/14/2017	8/15/2017	BALANCE_170814B				3741685	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		99.82	0.200	99.8	0	100	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-004B DUP	2531V-43-03 (0-1)	DUP	wt%	D2974	8/14/2017	8/15/2017	BALANCE_170814B				3741687	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		16.7	0.200	0	0	0	0	0	18.29	9.09	20	*

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134941

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3741721	PMBLK3 8/14/17	MBLK	PMOIST	R134941	1	08/15/2017
3741722	PMLCS-S3 8/14/17	LCS	PMOIST	R134941	1	08/15/2017
3741723	PMLCS-W3 8/14/17	LCS	PMOIST	R134941	1	08/15/2017
3741724	17080328-001B	SAMP	PMOIST	R134941	1	08/15/2017
3741725	17080328-001B DUP	DUP	PMOIST	R134941	1	08/15/2017
3741726	17080328-002B	SAMP	PMOIST	R134941	1	08/15/2017
3741727	17080328-003B	SAMP	PMOIST	R134941	1	08/15/2017
3741728	17080328-004B	SAMP	PMOIST	R134941	1	08/15/2017
3741729	17080328-005B	SAMP	PMOIST	R134941	1	08/15/2017
3741730	17080328-006B	SAMP	PMOIST	R134941	1	08/15/2017
3741731	17080343-021B	SAMP	PMOIST	R134941	1	08/15/2017
3741732	17080343-022B	SAMP	PMOIST	R134941	1	08/15/2017
3741733	17080343-023B	SAMP	PMOIST	R134941	1	08/15/2017
3741734	17080343-024B	SAMP	PMOIST	R134941	1	08/15/2017
3741735	17080343-025B	SAMP	PMOIST	R134941	1	08/15/2017
3741736	17080343-026B	SAMP	PMOIST	R134941	1	08/15/2017
3741737	17080343-027B	SAMP	PMOIST	R134941	1	08/15/2017
3741738	17080343-028B	SAMP	PMOIST	R134941	1	08/15/2017
3741739	17080343-029B	SAMP	PMOIST	R134941	1	08/15/2017
3741740	17080343-030B	SAMP	PMOIST	R134941	1	08/15/2017
3741741	17080343-031B	SAMP	PMOIST	R134941	1	08/15/2017
3741742	17080343-032B	SAMP	PMOIST	R134941	1	08/15/2017
3741743	17080343-033B	SAMP	PMOIST	R134941	1	08/15/2017
3741744	17080343-034B	SAMP	PMOIST	R134941	1	08/15/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMBLK3 8/14/17	ZZZZZ	MBLK	wt%	D2974	8/14/2017	8/15/2017	BALANCE_170814C				3741721	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		ND	0.200									*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-S3 8/14/17	ZZZZZ	LCS	wt%	D2974	8/14/2017	8/15/2017	BALANCE_170814C				3741722	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		4.68	0.200	5	0	93.6	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-W3 8/14/17	ZZZZZ	LCS	wt%	D2974	8/14/2017	8/15/2017	BALANCE_170814C				3741723	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		99.84	0.200	99.8	0	100	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080328-001B DUP	ZZZZZ	DUP	wt%	D2974	8/14/2017	8/15/2017	BALANCE_170814C				3741725	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		20.72	0.200	0	0	0	0	0	20.26	2.24	20	*

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - 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

August 19, 2017

Huff & Huff, Inc.
915 Harger Road
Oak Brook, IL 60523-1486

Telephone: (630) 684-9100
Fax: (630) 684-9120

Analytical Report for STAT Work Order: 17080343 Revision 0

RE: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Dear Jill Connolly:

STAT Analysis received 35 samples for the referenced project on 8/9/2017 4:11:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Craig Chawla
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

Client: Huff & Huff, Inc.**Project:** 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL**Work Order Sample Summary****Work Order:** 17080343 Revision 0

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
17080343-001A	2531V-18-08 (0-1)		8/9/2017 9:08:00 AM	8/9/2017
17080343-001B	2531V-18-08 (0-1)		8/9/2017 9:08:00 AM	8/9/2017
17080343-002A	2531V-43-01 (0-1)		8/9/2017 10:35:00 AM	8/9/2017
17080343-002B	2531V-43-01 (0-1)		8/9/2017 10:35:00 AM	8/9/2017
17080343-003A	2531V-43-02 (0-1)		8/9/2017 9:19:00 AM	8/9/2017
17080343-003B	2531V-43-02 (0-1)		8/9/2017 9:19:00 AM	8/9/2017
17080343-004A	2531V-43-03 (0-1)		8/9/2017 9:25:00 AM	8/9/2017
17080343-004B	2531V-43-03 (0-1)		8/9/2017 9:25:00 AM	8/9/2017
17080343-005A	2531V-43-08 (0-1)		8/9/2017 9:16:00 AM	8/9/2017
17080343-005B	2531V-43-08 (0-1)		8/9/2017 9:16:00 AM	8/9/2017
17080343-006A	2531V-43-04 (0-1)		8/9/2017 9:30:00 AM	8/9/2017
17080343-006B	2531V-43-04 (0-1)		8/9/2017 9:30:00 AM	8/9/2017
17080343-007A	2531V-55-01 (0-1)		8/9/2017 11:37:00 AM	8/9/2017
17080343-007B	2531V-55-01 (0-1)		8/9/2017 11:37:00 AM	8/9/2017
17080343-008A	2531V-55-02 (0-1)		8/9/2017 11:34:00 AM	8/9/2017
17080343-008B	2531V-55-02 (0-1)		8/9/2017 11:34:00 AM	8/9/2017
17080343-009A	2531V-56-01 (0-6)		8/9/2017 11:23:00 AM	8/9/2017
17080343-009B	2531V-56-01 (0-6)		8/9/2017 11:23:00 AM	8/9/2017
17080343-010A	2531V-56-01 (6-12)		8/9/2017 11:26:00 AM	8/9/2017
17080343-010B	2531V-56-01 (6-12)		8/9/2017 11:26:00 AM	8/9/2017
17080343-011A	2531V-56-01 (12-18)		8/9/2017 11:29:00 AM	8/9/2017
17080343-011B	2531V-56-01 (12-18)		8/9/2017 11:29:00 AM	8/9/2017
17080343-012A	2531V-56-02 (0-6)		8/9/2017 10:59:00 AM	8/9/2017
17080343-012B	2531V-56-02 (0-6)		8/9/2017 10:59:00 AM	8/9/2017
17080343-013A	2531V-56-02 (6-12)		8/9/2017 11:02:00 AM	8/9/2017
17080343-013B	2531V-56-02 (6-12)		8/9/2017 11:02:00 AM	8/9/2017
17080343-014A	2531V-56-02 (12-18)		8/9/2017 11:08:00 AM	8/9/2017
17080343-014B	2531V-56-02 (12-18)		8/9/2017 11:08:00 AM	8/9/2017
17080343-015A	2531V-56-03 (0-6)		8/9/2017 11:39:00 AM	8/9/2017
17080343-015B	2531V-56-03 (0-6)		8/9/2017 11:39:00 AM	8/9/2017
17080343-016A	2531V-56-03 (6-12)		8/9/2017 11:43:00 AM	8/9/2017
17080343-016B	2531V-56-03 (6-12)		8/9/2017 11:43:00 AM	8/9/2017
17080343-017A	2531V-56-03 (12-18)		8/9/2017 11:46:00 AM	8/9/2017
17080343-017B	2531V-56-03 (12-18)		8/9/2017 11:46:00 AM	8/9/2017
17080343-018A	2531V-56-04 (0-6)		8/9/2017 10:25:00 AM	8/9/2017
17080343-018B	2531V-56-04 (0-6)		8/9/2017 10:25:00 AM	8/9/2017
17080343-019A	2531V-56-04 (6-12)		8/9/2017 10:28:00 AM	8/9/2017
17080343-019B	2531V-56-04 (6-12)		8/9/2017 10:28:00 AM	8/9/2017

Client: Huff & Huff, Inc.

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Work Order: 17080343 Revision 0

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
17080343-020A	2531V-56-04 (12-18)		8/9/2017 10:34:00 AM	8/9/2017
17080343-020B	2531V-56-04 (12-18)		8/9/2017 10:34:00 AM	8/9/2017
17080343-021A	2531V-56-05 (0-6)		8/9/2017 10:03:00 AM	8/9/2017
17080343-021B	2531V-56-05 (0-6)		8/9/2017 10:03:00 AM	8/9/2017
17080343-022A	2531V-56-05 (6-12)		8/9/2017 10:06:00 AM	8/9/2017
17080343-022B	2531V-56-05 (6-12)		8/9/2017 10:06:00 AM	8/9/2017
17080343-023A	2531V-56-05 (12-18)		8/9/2017 10:09:00 AM	8/9/2017
17080343-023B	2531V-56-05 (12-18)		8/9/2017 10:09:00 AM	8/9/2017
17080343-024A	2531V-56-06 (0-6)		8/9/2017 9:43:00 AM	8/9/2017
17080343-024B	2531V-56-06 (0-6)		8/9/2017 9:43:00 AM	8/9/2017
17080343-025A	2531V-56-06 (6-12)		8/9/2017 9:47:00 AM	8/9/2017
17080343-025B	2531V-56-06 (6-12)		8/9/2017 9:47:00 AM	8/9/2017
17080343-026A	2531V-56-06 (12-18)		8/9/2017 9:50:00 AM	8/9/2017
17080343-026B	2531V-56-06 (12-18)		8/9/2017 9:50:00 AM	8/9/2017
17080343-027A	2531V-56-07 (0-6)		8/9/2017 9:34:00 AM	8/9/2017
17080343-027B	2531V-56-07 (0-6)		8/9/2017 9:34:00 AM	8/9/2017
17080343-028A	2531V-56-07 (6-12)		8/9/2017 9:37:00 AM	8/9/2017
17080343-028B	2531V-56-07 (6-12)		8/9/2017 9:37:00 AM	8/9/2017
17080343-029A	2531V-56-07 (12-18)		8/9/2017 9:40:00 AM	8/9/2017
17080343-029B	2531V-56-07 (12-18)		8/9/2017 9:40:00 AM	8/9/2017
17080343-030A	2531V-DUP-10		8/9/2017 10:30:00 AM	8/9/2017
17080343-030B	2531V-DUP-10		8/9/2017 10:30:00 AM	8/9/2017
17080343-031A	2531V-DUP-14		8/9/2017 11:00:00 AM	8/9/2017
17080343-031B	2531V-DUP-14		8/9/2017 11:00:00 AM	8/9/2017
17080343-032A	2531V-DUP-13		8/9/2017 8:55:00 AM	8/9/2017
17080343-032B	2531V-DUP-13		8/9/2017 8:55:00 AM	8/9/2017
17080343-033A	2531V-DUP-12		8/9/2017 12:00:00 PM	8/9/2017
17080343-033B	2531V-DUP-12		8/9/2017 12:00:00 PM	8/9/2017
17080343-034A	2531V-DUP-11		8/9/2017 1:00:00 PM	8/9/2017
17080343-034B	2531V-DUP-11		8/9/2017 1:00:00 PM	8/9/2017
17080343-035A	Trip Blank			8/9/2017

CLIENT: Huff & Huff, Inc.
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Work Order: 17080343 Revision 0

CASE NARRATIVE

Due to matrix interference, the SVOC results for sample SVOC 2531V-56-01 (0-6) (17080343-009) are reported with elevated reporting limits.

Please refer to Analytical QC Summary Report for QC outliers.

STAT Analysis Corporation

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:08:00 AM

Lab ID: 17080343-001A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: JNM
Acetone	ND	0.067		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0045		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0045		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0089		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.067		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.045		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0045		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0045		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0089		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0045		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0089		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0045		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0045		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0089		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0045		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0045		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0045		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0045		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0045		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/16/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

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R - RPD outside accepted recovery limits

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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:08:00 AM

Lab ID: 17080343-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/12/2017	Analyst: DM

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017

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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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:08:00 AM

Lab ID: 17080343-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	12000	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	12	1.0		mg/Kg-dry	10	8/15/2017
Barium	72	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.87	0.51		mg/Kg-dry	10	8/15/2017

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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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:08:00 AM

Lab ID: 17080343-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/15/2017
Calcium	65000	61		mg/Kg-dry	10	8/15/2017
Chromium	22	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	15	1.0		mg/Kg-dry	10	8/15/2017
Copper	30	2.6		mg/Kg-dry	10	8/15/2017
Iron	30000	31		mg/Kg-dry	10	8/15/2017
Lead	23	0.51		mg/Kg-dry	10	8/15/2017
Magnesium	39000	31		mg/Kg-dry	10	8/15/2017
Manganese	550	1.0		mg/Kg-dry	10	8/15/2017
Nickel	36	1.0		mg/Kg-dry	10	8/15/2017
Potassium	2000	31		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	1400	61		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	27	1.0		mg/Kg-dry	10	8/15/2017
Zinc	75	5.1		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	0.16	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	ND	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	0.62	0.10		mg/L	2	8/18/2017
Lead	ND	0.0020		mg/L	2	8/18/2017
Manganese	1.2	0.0040		mg/L	2	8/18/2017
Nickel	0.0040	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	ND	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.75	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-18-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:08:00 AM

Lab ID: 17080343-001B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/18/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.016	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.67	0.25		mg/L	5	8/18/2017
Lead	0.0057	0.0050		mg/L	5	8/18/2017
Manganese	7.1	0.010		mg/L	5	8/18/2017
Nickel	0.015	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/18/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/16/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/15/2017 Analyst: LB
Mercury	0.025	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C					Prep Date: 8/15/2017 Analyst: PBG
pH	7.91			pH Units	1	8/15/2017
Percent Moisture	D2974					Prep Date: 8/14/2017 Analyst: KKA
Percent Moisture	14.0	0.2	*	wt%	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

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

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:35:00 AM

Lab ID: 17080343-002A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: JNM
Acetone	ND	0.079		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0052		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0052		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.079		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.052		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0052		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/16/2017

Qualifiers:

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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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:35:00 AM

Lab ID: 17080343-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/12/2017		Analyst: DM

Acenaphthene	0.038	0.037		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/15/2017
Anthracene	0.14	0.037		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	0.81	0.037		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	0.96	0.037		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	0.98	0.037		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	1.1	0.037		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	1.2	0.037		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.94		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	1.1	0.037		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	0.41	0.037		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017

Qualifiers:

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:35:00 AM

Lab ID: 17080343-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	2.1	0.037		mg/Kg-dry	1	8/15/2017
Fluorene	0.053	0.037		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	0.86	0.037		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.076		mg/Kg-dry	1	8/15/2017
Phenanthrene	0.95	0.037		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	1.6	0.037		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.76		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	3700	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	4.2	1.0		mg/Kg-dry	10	8/15/2017
Barium	67	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.50		mg/Kg-dry	10	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:35:00 AM

Lab ID: 17080343-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	0.92	0.50		mg/Kg-dry	10	8/15/2017
Calcium	160000	600		mg/Kg-dry	100	8/15/2017
Chromium	75	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	5.7	1.0		mg/Kg-dry	10	8/15/2017
Copper	68	2.5		mg/Kg-dry	10	8/15/2017
Iron	24000	30		mg/Kg-dry	10	8/15/2017
Lead	41	0.50		mg/Kg-dry	10	8/15/2017
Magnesium	91000	30		mg/Kg-dry	10	8/15/2017
Manganese	590	1.0		mg/Kg-dry	10	8/15/2017
Nickel	18	1.0		mg/Kg-dry	10	8/15/2017
Potassium	630	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	580	60		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	17	1.0		mg/Kg-dry	10	8/15/2017
Zinc	230	5.0		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.0045	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	2.8	0.10		mg/L	2	8/18/2017
Lead	0.0035	0.0020		mg/L	2	8/18/2017
Manganese	0.020	0.0040		mg/L	2	8/18/2017
Nickel	0.0044	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.028	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.47	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:35:00 AM

Lab ID: 17080343-002B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.014	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.85	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	4.3	0.010		mg/L	5	8/18/2017
Nickel	0.018	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.020		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/15/2017		Analyst: PBG	
pH	8.21			pH Units	1	8/15/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	11.9	0.2	*	wt%	1	8/15/2017

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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:19:00 AM

Lab ID: 17080343-003A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: ERP
Acetone	ND	0.071		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0094		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.071		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0094		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0094		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0094		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/16/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:19:00 AM

Lab ID: 17080343-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)					Prep Date: 8/12/2017 Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.93		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.93		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.93		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017

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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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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:19:00 AM

Lab ID: 17080343-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.075		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.75		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	10000	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	9.9	1.0		mg/Kg-dry	10	8/15/2017
Barium	56	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.73	0.51		mg/Kg-dry	10	8/15/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:19:00 AM

Lab ID: 17080343-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/15/2017
Calcium	110000	61		mg/Kg-dry	10	8/15/2017
Chromium	20	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	13	1.0		mg/Kg-dry	10	8/15/2017
Copper	28	2.5		mg/Kg-dry	10	8/15/2017
Iron	27000	30		mg/Kg-dry	10	8/15/2017
Lead	20	0.51		mg/Kg-dry	10	8/15/2017
Magnesium	61000	30		mg/Kg-dry	10	8/15/2017
Manganese	600	1.0		mg/Kg-dry	10	8/15/2017
Nickel	31	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1800	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	1800	61		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	25	1.0		mg/Kg-dry	10	8/15/2017
Zinc	65	5.1		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0042	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.0072	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	6.6	0.10		mg/L	2	8/18/2017
Lead	0.0061	0.0020		mg/L	2	8/18/2017
Manganese	0.066	0.0040		mg/L	2	8/18/2017
Nickel	0.0091	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.031	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.46	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:19:00 AM

Lab ID: 17080343-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.046	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	6.4	0.25		mg/L	5	8/18/2017
Lead	0.017	0.0050		mg/L	5	8/18/2017
Manganese	12	0.010		mg/L	5	8/18/2017
Nickel	0.047	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	0.077	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.021	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.82			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	11.7	0.2	*	wt%	1	8/15/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-03 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:25:00 AM

Lab ID: 17080343-004A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: JNM
Acetone	ND	0.080		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0053		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0053		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.080		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.053		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0053		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0053		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0053		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0053		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0053		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0053		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0053		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0053		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/16/2017

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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-03 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:25:00 AM

Lab ID: 17080343-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/12/2017	Analyst: DM

Acenaphthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/15/2017

Qualifiers:

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-03 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:25:00 AM

Lab ID: 17080343-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.81		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	23000	22		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/15/2017
Arsenic	17	1.1		mg/Kg-dry	10	8/15/2017
Barium	150	1.1		mg/Kg-dry	10	8/15/2017
Beryllium	1.6	0.54		mg/Kg-dry	10	8/15/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-03 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:25:00 AM

Lab ID: 17080343-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.54		mg/Kg-dry	10	8/15/2017
Calcium	33000	65		mg/Kg-dry	10	8/15/2017
Chromium	36	1.1		mg/Kg-dry	10	8/15/2017
Cobalt	21	1.1		mg/Kg-dry	10	8/15/2017
Copper	47	2.7		mg/Kg-dry	10	8/15/2017
Iron	46000	32		mg/Kg-dry	10	8/15/2017
Lead	31	0.54		mg/Kg-dry	10	8/15/2017
Magnesium	23000	32		mg/Kg-dry	10	8/15/2017
Manganese	390	1.1		mg/Kg-dry	10	8/15/2017
Nickel	56	1.1		mg/Kg-dry	10	8/15/2017
Potassium	2600	32		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/15/2017
Silver	ND	1.1		mg/Kg-dry	10	8/15/2017
Sodium	3700	65		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/15/2017
Vanadium	45	1.1		mg/Kg-dry	10	8/15/2017
Zinc	100	5.4		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0061	0.0040		mg/L	2	8/18/2017
Barium	0.037	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.015	0.0040		mg/L	2	8/18/2017
Cobalt	0.0056	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	13	0.10		mg/L	2	8/18/2017
Lead	0.0088	0.0020		mg/L	2	8/18/2017
Manganese	0.14	0.0040		mg/L	2	8/18/2017
Nickel	0.015	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.044	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.70	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-03 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:25:00 AM

Lab ID: 17080343-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.019	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.58	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	5.5	0.010		mg/L	5	8/18/2017
Nickel	0.024	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.028	0.024		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.10			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	18.3	0.2	*	wt%	1	8/15/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:16:00 AM

Lab ID: 17080343-005A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: JNM
Acetone	ND	0.085		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0057		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0057		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0057		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.085		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.057		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0057		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0057		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0057		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0057		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0057		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0057		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0057		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0057		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0057		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0057		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0057		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.023		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.023		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0057		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0057		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0057		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0057		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0057		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0057		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0057		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0057		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0057		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.017		mg/Kg-dry	1	8/16/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:16:00 AM

Lab ID: 17080343-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/12/2017	Analyst: DM

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.95		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.95		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.95		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:16:00 AM

Lab ID: 17080343-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/12/2017	Analyst: DM	

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/15/2017
Phenanthrene	0.069	0.038		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 8/11/2017	Analyst: JG	

Aluminum	8400	21		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/15/2017
Arsenic	12	1.0		mg/Kg-dry	10	8/15/2017
Barium	42	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.58	0.52		mg/Kg-dry	10	8/15/2017

Qualifiers:

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R - RPD outside accepted recovery limits

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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:16:00 AM

Lab ID: 17080343-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/15/2017
Calcium	110000	63		mg/Kg-dry	10	8/15/2017
Chromium	20	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	11	1.0		mg/Kg-dry	10	8/15/2017
Copper	29	2.6		mg/Kg-dry	10	8/15/2017
Iron	29000	31		mg/Kg-dry	10	8/15/2017
Lead	18	0.52		mg/Kg-dry	10	8/15/2017
Magnesium	64000	31		mg/Kg-dry	10	8/15/2017
Manganese	530	1.0		mg/Kg-dry	10	8/15/2017
Nickel	28	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1700	31		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	2200	63		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	22	1.0		mg/Kg-dry	10	8/15/2017
Zinc	60	5.2		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.017	0.0040		mg/L	2	8/18/2017
Barium	0.092	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.034	0.0040		mg/L	2	8/18/2017
Cobalt	0.019	0.0040		mg/L	2	8/18/2017
Copper	0.048	0.040		mg/L	2	8/18/2017
Iron	38	0.10		mg/L	2	8/18/2017
Lead	0.022	0.0020		mg/L	2	8/18/2017
Manganese	0.41	0.0040		mg/L	2	8/18/2017
Nickel	0.050	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.11	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	ND	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-08 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:16:00 AM

Lab ID: 17080343-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/18/2017 Analyst: JG
Chromium	0.016	0.010		mg/L	5	8/18/2017
Cobalt	ND	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	14	0.25		mg/L	5	8/18/2017
Lead	0.0077	0.0050		mg/L	5	8/18/2017
Manganese	0.14	0.010		mg/L	5	8/18/2017
Nickel	0.018	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/18/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/16/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.023		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C					Prep Date: 8/16/2017 Analyst: RW
pH	8.52			pH Units	1	8/16/2017
Percent Moisture	D2974					Prep Date: 8/14/2017 Analyst: KKA
Percent Moisture	13.6	0.2	*	wt%	1	8/15/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-04 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:30:00 AM

Lab ID: 17080343-006A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: JNM
Acetone	ND	0.071		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0094		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.071		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0094		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0094		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0094		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/16/2017

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Report Date: August 19, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-04 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:30:00 AM

Lab ID: 17080343-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/12/2017		Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.94		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-04 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:30:00 AM

Lab ID: 17080343-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.076		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.76		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	7900	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	7.6	0.99		mg/Kg-dry	10	8/15/2017
Barium	44	0.99		mg/Kg-dry	10	8/15/2017
Beryllium	0.53	0.50		mg/Kg-dry	10	8/15/2017

Qualifiers:

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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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-04 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:30:00 AM

Lab ID: 17080343-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/15/2017
Calcium	120000	60		mg/Kg-dry	10	8/15/2017
Chromium	16	0.99		mg/Kg-dry	10	8/15/2017
Cobalt	10	0.99		mg/Kg-dry	10	8/15/2017
Copper	20	2.5		mg/Kg-dry	10	8/15/2017
Iron	20000	30		mg/Kg-dry	10	8/15/2017
Lead	17	0.50		mg/Kg-dry	10	8/15/2017
Magnesium	55000	30		mg/Kg-dry	10	8/15/2017
Manganese	460	0.99		mg/Kg-dry	10	8/15/2017
Nickel	24	0.99		mg/Kg-dry	10	8/15/2017
Potassium	1500	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/15/2017
Silver	ND	0.99		mg/Kg-dry	10	8/15/2017
Sodium	2100	60		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/15/2017
Vanadium	20	0.99		mg/Kg-dry	10	8/15/2017
Zinc	51	5.0		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.019	0.0040		mg/L	2	8/18/2017
Barium	0.092	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.033	0.0040		mg/L	2	8/18/2017
Cobalt	0.020	0.0040		mg/L	2	8/18/2017
Copper	0.048	0.040		mg/L	2	8/18/2017
Iron	37	0.10		mg/L	2	8/18/2017
Lead	0.025	0.0020		mg/L	2	8/18/2017
Manganese	0.46	0.0040		mg/L	2	8/18/2017
Nickel	0.049	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.11	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.45	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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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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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-43-04 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:30:00 AM

Lab ID: 17080343-006B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.11	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	2.2	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	12	0.010		mg/L	5	8/18/2017
Nickel	0.084	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.026	0.021		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	9.04			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	12.3	0.2	*	wt%	1	8/15/2017

Qualifiers:

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J - Analyte detected below quantitation limits

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S - Spike Recovery outside accepted recovery limits

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:37:00 AM

Lab ID: 17080343-007A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: JNM
Acetone	ND	0.094		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0062		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0062		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0062		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.012		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.094		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.062		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0062		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0062		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.012		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0062		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.012		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0062		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0062		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0062		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0062		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0062		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0062		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0062		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0025		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0025		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0062		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.025		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.025		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.012		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0062		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0062		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0062		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0062		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0062		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0062		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0062		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0062		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0062		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.019		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:37:00 AM

Lab ID: 17080343-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)	Prep Date: 8/12/2017	Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	0.092	0.037		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	0.12	0.037		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.94		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	0.13	0.037		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:37:00 AM

Lab ID: 17080343-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	0.21	0.037		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	0.089	0.037		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.076		mg/Kg-dry	1	8/15/2017
Phenanthrene	0.094	0.037		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	0.18	0.037		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.76		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	11000	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	7.5	1.0		mg/Kg-dry	10	8/15/2017
Barium	130	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.84	0.51		mg/Kg-dry	10	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:37:00 AM

Lab ID: 17080343-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/15/2017
Calcium	11000	61		mg/Kg-dry	10	8/15/2017
Chromium	20	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	14	1.0		mg/Kg-dry	10	8/15/2017
Copper	24	2.5		mg/Kg-dry	10	8/15/2017
Iron	21000	31		mg/Kg-dry	10	8/15/2017
Lead	34	0.51		mg/Kg-dry	10	8/15/2017
Magnesium	7500	31		mg/Kg-dry	10	8/15/2017
Manganese	1200	1.0		mg/Kg-dry	10	8/15/2017
Nickel	21	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1400	31		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	1000	61		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	30	1.0		mg/Kg-dry	10	8/15/2017
Zinc	85	5.1		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0091	0.0040		mg/L	2	8/18/2017
Barium	0.072	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.023	0.0040		mg/L	2	8/18/2017
Cobalt	0.0062	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	19	0.10		mg/L	2	8/18/2017
Lead	0.015	0.0020		mg/L	2	8/18/2017
Manganese	0.17	0.0040		mg/L	2	8/18/2017
Nickel	0.017	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.077	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.59	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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

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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-01 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:37:00 AM

Lab ID: 17080343-007B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/18/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	ND	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.68	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	0.19	0.010		mg/L	5	8/18/2017
Nickel	ND	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	0.13	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/18/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/16/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/15/2017 Analyst: LB
Mercury	0.040	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C					Prep Date: 8/16/2017 Analyst: RW
pH	8.73			pH Units	1	8/16/2017
Percent Moisture	D2974					Prep Date: 8/14/2017 Analyst: KKA
Percent Moisture	12.4	0.2	*	wt%	1	8/15/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:34:00 AM

Lab ID: 17080343-008A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: JNM
Acetone	ND	0.053		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0035		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0035		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0035		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0070		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.053		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.035		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0035		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0035		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0070		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0035		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0070		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0035		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0035		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0035		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0035		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0035		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0035		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0035		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0014		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0014		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0035		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.014		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.014		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0070		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0035		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0035		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0035		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0035		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0035		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0035		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0035		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0035		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0035		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.011		mg/Kg-dry	1	8/16/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:34:00 AM

Lab ID: 17080343-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/12/2017	Analyst: DM

Acenaphthene	ND	0.041		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.041		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.42		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.41		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.041		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/15/2017

Qualifiers:

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:34:00 AM

Lab ID: 17080343-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)					Prep Date: 8/12/2017 Analyst: DM
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Fluoranthene	0.051	0.041		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.041		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.041		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.041		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.084		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.041		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Pyrene	0.045	0.041		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.84		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Metals by ICP/MS						
	SW6020 (SW3050B)					Prep Date: 8/11/2017 Analyst: JG
Aluminum	15000	23		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.3		mg/Kg-dry	10	8/15/2017
Arsenic	13	1.1		mg/Kg-dry	10	8/15/2017
Barium	88	1.1		mg/Kg-dry	10	8/15/2017
Beryllium	0.99	0.57		mg/Kg-dry	10	8/15/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:34:00 AM

Lab ID: 17080343-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.57		mg/Kg-dry	10	8/15/2017
Calcium	68000	68		mg/Kg-dry	10	8/15/2017
Chromium	27	1.1		mg/Kg-dry	10	8/15/2017
Cobalt	16	1.1		mg/Kg-dry	10	8/15/2017
Copper	41	2.8		mg/Kg-dry	10	8/15/2017
Iron	33000	34		mg/Kg-dry	10	8/15/2017
Lead	46	0.57		mg/Kg-dry	10	8/15/2017
Magnesium	41000	34		mg/Kg-dry	10	8/15/2017
Manganese	710	1.1		mg/Kg-dry	10	8/15/2017
Nickel	36	1.1		mg/Kg-dry	10	8/15/2017
Potassium	1900	34		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/15/2017
Silver	ND	1.1		mg/Kg-dry	10	8/15/2017
Sodium	2800	68		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/15/2017
Vanadium	33	1.1		mg/Kg-dry	10	8/15/2017
Zinc	110	5.7		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.018	0.0040		mg/L	2	8/18/2017
Barium	0.099	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.037	0.0040		mg/L	2	8/18/2017
Cobalt	0.011	0.0040		mg/L	2	8/18/2017
Copper	0.049	0.040		mg/L	2	8/18/2017
Iron	37	0.10		mg/L	2	8/18/2017
Lead	0.038	0.0020		mg/L	2	8/18/2017
Manganese	0.21	0.0040		mg/L	2	8/18/2017
Nickel	0.042	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.19	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.42	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-55-02 (0-1)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:34:00 AM

Lab ID: 17080343-008B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.032	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.37	0.25		mg/L	5	8/18/2017
Lead	0.016	0.0050		mg/L	5	8/18/2017
Manganese	9.3	0.010		mg/L	5	8/18/2017
Nickel	0.070	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	23	0.50		mg/L	50	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.046	0.025		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.87			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	20.4	0.2	*	wt%	1	8/15/2017

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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:23:00 AM

Lab ID: 17080343-009A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: ERP
Acetone	ND	0.065		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0087		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.065		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.044		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0087		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0087		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0087		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/16/2017

Qualifiers:

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:23:00 AM

Lab ID: 17080343-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/12/2017	Analyst: DM

Acenaphthene	ND	0.48		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.48		mg/Kg-dry	1	8/15/2017
Aniline	ND	4.9		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.48		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.48		mg/Kg-dry	1	8/15/2017
Benzidine	ND	4.8		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.48		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.48		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.48		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.48		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	12		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	2.5		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	2.5		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	2.5		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	12		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	2.5		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	2.5		mg/Kg-dry	1	8/15/2017
Carbazole	ND	2.5		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	2.5		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	4.8		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	2.5		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	2.5		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	2.5		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.48		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.48		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	2.5		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	2.5		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	2.5		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	2.5		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	2.5		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	2.5		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	2.5		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	2.5		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	2.5		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	4.8		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	12		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.48		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.48		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

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* - Non-accredited parameter

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:23:00 AM

Lab ID: 17080343-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	2.5		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	2.5		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.48		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.48		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	2.5		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	2.5		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	2.5		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	2.5		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.48		mg/Kg-dry	1	8/15/2017
Isophorone	ND	2.5		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	2.5		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	2.5		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	2.5		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.48		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	2.5		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	2.5		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	2.5		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	2.5		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	4.8		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.48		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.48		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	2.5		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	2.5		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	2.5		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.98		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.48		mg/Kg-dry	1	8/15/2017
Phenol	ND	2.5		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.48		mg/Kg-dry	1	8/15/2017
Pyridine	ND	9.8		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	2.5		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	2.5		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	2.5		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	8100	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	10	0.99		mg/Kg-dry	10	8/15/2017
Barium	67	0.99		mg/Kg-dry	10	8/15/2017
Beryllium	0.59	0.50		mg/Kg-dry	10	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:23:00 AM

Lab ID: 17080343-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/15/2017
Calcium	92000	60		mg/Kg-dry	10	8/15/2017
Chromium	15	0.99		mg/Kg-dry	10	8/15/2017
Cobalt	11	0.99		mg/Kg-dry	10	8/15/2017
Copper	26	2.5		mg/Kg-dry	10	8/15/2017
Iron	24000	30		mg/Kg-dry	10	8/15/2017
Lead	24	0.50		mg/Kg-dry	10	8/15/2017
Magnesium	53000	30		mg/Kg-dry	10	8/15/2017
Manganese	690	0.99		mg/Kg-dry	10	8/15/2017
Nickel	25	0.99		mg/Kg-dry	10	8/15/2017
Potassium	1000	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/15/2017
Silver	ND	0.99		mg/Kg-dry	10	8/15/2017
Sodium	1100	60		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/15/2017
Vanadium	21	0.99		mg/Kg-dry	10	8/15/2017
Zinc	81	5.0		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.0071	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	6.8	0.10		mg/L	2	8/18/2017
Lead	0.0034	0.0020		mg/L	2	8/18/2017
Manganese	0.052	0.0040		mg/L	2	8/18/2017
Nickel	0.0087	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.033	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	1.0	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:23:00 AM

Lab ID: 17080343-009B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.022	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.89	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	8.8	0.010		mg/L	5	8/18/2017
Nickel	0.020	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.020	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.05			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	11.9	0.2	*	wt%	1	8/15/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:26:00 AM

Lab ID: 17080343-010A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: JNM
Acetone	ND	0.089		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0060		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0060		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0060		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.012		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.089		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.060		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0060		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0060		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.012		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0060		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.012		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0060		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0060		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0060		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0060		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0060		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0060		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0060		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0060		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.024		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.024		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.012		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0060		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0060		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0060		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0060		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0060		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0060		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0060		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0060		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0060		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.018		mg/Kg-dry	1	8/16/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

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H - Holding time exceeded

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Report Date: August 19, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:26:00 AM

Lab ID: 17080343-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)	Prep Date: 8/12/2017	Analyst: DM

Acenaphthene	ND	0.043	mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.043	mg/Kg-dry	1	8/15/2017
Aniline	ND	0.43	mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.043	mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.043	mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.43	mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.043	mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.043	mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.043	mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.043	mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	1.1	mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.22	mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.22	mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.22	mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	1.1	mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.22	mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.22	mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.22	mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.22	mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.43	mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.22	mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.22	mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.22	mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.043	mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.043	mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.22	mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.22	mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.22	mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.22	mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.22	mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.22	mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.22	mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.22	mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.22	mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.43	mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	1.1	mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.043	mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.043	mg/Kg-dry	1	8/15/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:26:00 AM

Lab ID: 17080343-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.043		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.043		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.22		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.043		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.22		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.22		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.043		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.43		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.043		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.043		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.086		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.043		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.22		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.043		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.86		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	12000	23		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.3		mg/Kg-dry	10	8/15/2017
Arsenic	6.3	1.1		mg/Kg-dry	10	8/15/2017
Barium	130	1.1		mg/Kg-dry	10	8/15/2017
Beryllium	0.81	0.56		mg/Kg-dry	10	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:26:00 AM

Lab ID: 17080343-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.56		mg/Kg-dry	10	8/15/2017
Calcium	5100	68		mg/Kg-dry	10	8/15/2017
Chromium	22	1.1		mg/Kg-dry	10	8/15/2017
Cobalt	9.2	1.1		mg/Kg-dry	10	8/15/2017
Copper	19	2.8		mg/Kg-dry	10	8/15/2017
Iron	21000	34		mg/Kg-dry	10	8/15/2017
Lead	14	0.56		mg/Kg-dry	10	8/15/2017
Magnesium	5500	34		mg/Kg-dry	10	8/15/2017
Manganese	550	1.1		mg/Kg-dry	10	8/15/2017
Nickel	28	1.1		mg/Kg-dry	10	8/15/2017
Potassium	1500	34		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/15/2017
Silver	ND	1.1		mg/Kg-dry	10	8/15/2017
Sodium	570	68		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/15/2017
Vanadium	28	1.1		mg/Kg-dry	10	8/15/2017
Zinc	81	5.6		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0085	0.0040		mg/L	2	8/18/2017
Barium	0.031	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.012	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	12	0.10		mg/L	2	8/18/2017
Lead	0.0041	0.0020		mg/L	2	8/18/2017
Manganese	0.044	0.0040		mg/L	2	8/18/2017
Nickel	0.0088	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.039	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.41	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:26:00 AM

Lab ID: 17080343-010B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	ND	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.54	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	2.5	0.010		mg/L	5	8/18/2017
Nickel	0.061	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.032	0.026		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	7.61			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	23.1	0.2	*	wt%	1	8/15/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:29:00 AM

Lab ID: 17080343-011A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: ERP
Acetone	ND	0.078		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0052		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0052		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.078		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.052		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0052		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0052		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:29:00 AM

Lab ID: 17080343-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/12/2017	Analyst: DM

Acenaphthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.40		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/15/2017

Qualifiers:

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

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:29:00 AM

Lab ID: 17080343-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS

SW8270C (SW3550B)

Prep Date: 8/12/2017

Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.81		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Aluminum	8100	21		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/15/2017
Arsenic	7.5	1.0		mg/Kg-dry	10	8/15/2017
Barium	52	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.64	0.52		mg/Kg-dry	10	8/15/2017

Qualifiers:

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J - Analyte detected below quantitation limits

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HT - Sample received past holding time

* - Non-accredited parameter

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:29:00 AM

Lab ID: 17080343-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/15/2017
Calcium	80000	62		mg/Kg-dry	10	8/15/2017
Chromium	17	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	11	1.0		mg/Kg-dry	10	8/15/2017
Copper	29	2.6		mg/Kg-dry	10	8/15/2017
Iron	28000	31		mg/Kg-dry	10	8/15/2017
Lead	16	0.52		mg/Kg-dry	10	8/15/2017
Magnesium	42000	31		mg/Kg-dry	10	8/15/2017
Manganese	480	1.0		mg/Kg-dry	10	8/15/2017
Nickel	35	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1600	31		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	200	62		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	24	1.0		mg/Kg-dry	10	8/15/2017
Zinc	82	5.2		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.0049	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	3.7	0.10		mg/L	2	8/18/2017
Lead	0.0023	0.0020		mg/L	2	8/18/2017
Manganese	0.020	0.0040		mg/L	2	8/18/2017
Nickel	0.0051	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.024	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.39	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-01 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:29:00 AM

Lab ID: 17080343-011B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/18/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.021	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	3.1	0.010		mg/L	5	8/18/2017
Nickel	0.046	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/18/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/16/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.022		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C					Prep Date: 8/16/2017 Analyst: RW
pH	7.96			pH Units	1	8/16/2017
Percent Moisture	D2974					Prep Date: 8/14/2017 Analyst: KKA
Percent Moisture	17.8	0.2	*	wt%	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:59:00 AM

Lab ID: 17080343-012A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: ERP
Acetone	ND	0.069		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0046		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0092		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.069		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.046		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0092		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0046		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0092		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0092		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/16/2017

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Report Date: August 19, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:59:00 AM

Lab ID: 17080343-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/12/2017	Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.92		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.92		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.92		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017

Qualifiers:

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:59:00 AM

Lab ID: 17080343-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/12/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.075		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.75		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	8800	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	5.0	1.0		mg/Kg-dry	10	8/15/2017
Barium	38	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.60	0.51		mg/Kg-dry	10	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:59:00 AM

Lab ID: 17080343-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/15/2017
Calcium	120000	61		mg/Kg-dry	10	8/15/2017
Chromium	18	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	10	1.0		mg/Kg-dry	10	8/15/2017
Copper	19	2.5		mg/Kg-dry	10	8/15/2017
Iron	18000	30		mg/Kg-dry	10	8/15/2017
Lead	10	0.51		mg/Kg-dry	10	8/15/2017
Magnesium	62000	30		mg/Kg-dry	10	8/15/2017
Manganese	470	1.0		mg/Kg-dry	10	8/15/2017
Nickel	25	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1800	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	1600	61		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	22	1.0		mg/Kg-dry	10	8/15/2017
Zinc	40	5.1		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0081	0.0040		mg/L	2	8/18/2017
Barium	0.052	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.022	0.0040		mg/L	2	8/18/2017
Cobalt	0.0070	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	19	0.10		mg/L	2	8/18/2017
Lead	0.0085	0.0020		mg/L	2	8/18/2017
Manganese	0.14	0.0040		mg/L	2	8/18/2017
Nickel	0.022	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.059	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.20	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:59:00 AM

Lab ID: 17080343-012B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.041	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	4.9	0.010		mg/L	5	8/18/2017
Nickel	0.045	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	0.056	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	9.28			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	11.1	0.2	*	wt%	1	8/15/2017

Qualifiers:

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:02:00 AM

Lab ID: 17080343-013A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: ERP
Acetone	ND	0.060		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0040		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0040		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0079		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.060		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.040		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0040		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0040		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0079		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0040		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0079		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0040		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0040		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0040		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0040		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.016		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.016		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0079		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0040		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0040		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0040		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0040		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0040		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.012		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:02:00 AM

Lab ID: 17080343-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:02:00 AM

Lab ID: 17080343-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.78		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	8200	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	6.0	1.0		mg/Kg-dry	10	8/15/2017
Barium	37	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.55	0.51		mg/Kg-dry	10	8/15/2017

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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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:02:00 AM

Lab ID: 17080343-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/15/2017
Calcium	140000	610		mg/Kg-dry	100	8/15/2017
Chromium	19	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	9.4	1.0		mg/Kg-dry	10	8/15/2017
Copper	18	2.6		mg/Kg-dry	10	8/15/2017
Iron	18000	31		mg/Kg-dry	10	8/15/2017
Lead	9.8	0.51		mg/Kg-dry	10	8/15/2017
Magnesium	68000	31		mg/Kg-dry	10	8/15/2017
Manganese	470	1.0		mg/Kg-dry	10	8/15/2017
Nickel	22	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1800	31		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	1100	61		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	22	1.0		mg/Kg-dry	10	8/15/2017
Zinc	39	5.1		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0042	0.0040		mg/L	2	8/18/2017
Barium	0.031	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.013	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	9.2	0.10		mg/L	2	8/18/2017
Lead	0.0049	0.0020		mg/L	2	8/18/2017
Manganese	0.071	0.0040		mg/L	2	8/18/2017
Nickel	0.0099	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.032	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.39	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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

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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:02:00 AM

Lab ID: 17080343-013B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.044	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	4.7	0.010		mg/L	5	8/18/2017
Nickel	0.025	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.50			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	14.3	0.2	*	wt%	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:08:00 AM

Lab ID: 17080343-014A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: ERP
Acetone	ND	0.074		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0049		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0099		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.074		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.049		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0099		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0049		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0099		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0099		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0049		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:08:00 AM

Lab ID: 17080343-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.035		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.035		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.35		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.035		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.035		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.35		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.035		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.035		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.035		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.035		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.87		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.87		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.35		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.035		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.035		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.35		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.87		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.035		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.035		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:08:00 AM

Lab ID: 17080343-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.035		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.035		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.035		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.035		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.35		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.035		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.035		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.070		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.035		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.035		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.70		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	2900	19		mg/Kg-dry	10	8/15/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/15/2017
Arsenic	4.0	0.94		mg/Kg-dry	10	8/15/2017
Barium	18	0.94		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.47		mg/Kg-dry	10	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:08:00 AM

Lab ID: 17080343-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.47		mg/Kg-dry	10	8/15/2017
Calcium	220000	570		mg/Kg-dry	100	8/15/2017
Chromium	7.2	0.94		mg/Kg-dry	10	8/15/2017
Cobalt	5.1	0.94		mg/Kg-dry	10	8/15/2017
Copper	11	2.4		mg/Kg-dry	10	8/15/2017
Iron	11000	28		mg/Kg-dry	10	8/15/2017
Lead	5.2	0.47		mg/Kg-dry	10	8/15/2017
Magnesium	130000	280		mg/Kg-dry	100	8/15/2017
Manganese	480	0.94		mg/Kg-dry	10	8/15/2017
Nickel	12	0.94		mg/Kg-dry	10	8/15/2017
Potassium	940	28		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.94		mg/Kg-dry	10	8/15/2017
Silver	ND	0.94		mg/Kg-dry	10	8/15/2017
Sodium	410	57		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.94		mg/Kg-dry	10	8/15/2017
Vanadium	9.5	0.94		mg/Kg-dry	10	8/15/2017
Zinc	21	4.7		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	ND	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	0.14	0.10		mg/L	2	8/18/2017
Lead	ND	0.0020		mg/L	2	8/18/2017
Manganese	ND	0.0040		mg/L	2	8/18/2017
Nickel	ND	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	ND	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.21	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-02 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:08:00 AM

Lab ID: 17080343-014B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	ND	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	0.94	0.010		mg/L	5	8/18/2017
Nickel	0.015	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.018		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.38			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	5.6	0.2	*	wt%	1	8/15/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:39:00 AM

Lab ID: 17080343-015A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: ERP
Acetone	ND	0.062		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0041		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0083		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.062		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.041		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0041		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0083		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0041		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0083		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0041		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0041		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0083		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0041		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0041		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.012		mg/Kg-dry	1	8/16/2017

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

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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:39:00 AM

Lab ID: 17080343-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.036		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.036		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.036		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.036		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.36		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.92		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.92		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.036		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.92		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/15/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:39:00 AM

Lab ID: 17080343-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.036		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.036		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.036		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.036		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.074		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.036		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.036		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.74		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	4900	19		mg/Kg-dry	10	8/15/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/15/2017
Arsenic	5.3	0.96		mg/Kg-dry	10	8/15/2017
Barium	29	0.96		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.48		mg/Kg-dry	10	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:39:00 AM

Lab ID: 17080343-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/15/2017
Calcium	170000	570		mg/Kg-dry	100	8/15/2017
Chromium	11	0.96		mg/Kg-dry	10	8/15/2017
Cobalt	6.7	0.96		mg/Kg-dry	10	8/15/2017
Copper	15	2.4		mg/Kg-dry	10	8/15/2017
Iron	14000	29		mg/Kg-dry	10	8/15/2017
Lead	7.9	0.48		mg/Kg-dry	10	8/15/2017
Magnesium	75000	29		mg/Kg-dry	10	8/15/2017
Manganese	440	0.96		mg/Kg-dry	10	8/15/2017
Nickel	14	0.96		mg/Kg-dry	10	8/15/2017
Potassium	1000	29		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.96		mg/Kg-dry	10	8/15/2017
Silver	ND	0.96		mg/Kg-dry	10	8/15/2017
Sodium	1500	57		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.96		mg/Kg-dry	10	8/15/2017
Vanadium	15	0.96		mg/Kg-dry	10	8/15/2017
Zinc	33	4.8		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0081	0.0040		mg/L	2	8/18/2017
Barium	0.048	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.017	0.0040		mg/L	2	8/18/2017
Cobalt	0.0072	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	17	0.10		mg/L	2	8/18/2017
Lead	0.0080	0.0020		mg/L	2	8/18/2017
Manganese	0.19	0.0040		mg/L	2	8/18/2017
Nickel	0.020	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.060	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.20	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

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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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:39:00 AM

Lab ID: 17080343-015B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.048	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	4.5	0.010		mg/L	5	8/18/2017
Nickel	0.047	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.74			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	10	0.2	*	wt%	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:43:00 AM

Lab ID: 17080343-016A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: ERP
Acetone	ND	0.085		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0056		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0056		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.085		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.056		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0056		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0056		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0056		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0056		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0056		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.023		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.023		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0056		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0056		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.017		mg/Kg-dry	1	8/16/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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RL - Reporting / Quantitation Limit for the analysis

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:43:00 AM

Lab ID: 17080343-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.93		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.93		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.93		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017

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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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:43:00 AM

Lab ID: 17080343-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.075		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.75		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	1500	19		mg/Kg-dry	10	8/15/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/15/2017
Arsenic	13	0.95		mg/Kg-dry	10	8/15/2017
Barium	10	0.95		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.47		mg/Kg-dry	10	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:43:00 AM

Lab ID: 17080343-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.47		mg/Kg-dry	10	8/15/2017
Calcium	190000	570		mg/Kg-dry	100	8/15/2017
Chromium	5.6	0.95		mg/Kg-dry	10	8/15/2017
Cobalt	3.9	0.95		mg/Kg-dry	10	8/15/2017
Copper	14	2.4		mg/Kg-dry	10	8/15/2017
Iron	19000	28		mg/Kg-dry	10	8/15/2017
Lead	7.4	0.47		mg/Kg-dry	10	8/15/2017
Magnesium	100000	28		mg/Kg-dry	10	8/15/2017
Manganese	360	0.95		mg/Kg-dry	10	8/15/2017
Nickel	9.3	0.95		mg/Kg-dry	10	8/15/2017
Potassium	400	28		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.95		mg/Kg-dry	10	8/15/2017
Silver	ND	0.95		mg/Kg-dry	10	8/15/2017
Sodium	650	57		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.95		mg/Kg-dry	10	8/15/2017
Vanadium	9.1	0.95		mg/Kg-dry	10	8/15/2017
Zinc	24	4.7		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	ND	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	ND	0.10		mg/L	2	8/18/2017
Lead	ND	0.0020		mg/L	2	8/18/2017
Manganese	ND	0.0040		mg/L	2	8/18/2017
Nickel	ND	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	ND	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.10	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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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RL - Reporting / Quantitation Limit for the analysis

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E - Value above quantitation range

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Report Date: August 19, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:43:00 AM

Lab ID: 17080343-016B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.019	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	2.2	0.010		mg/L	5	8/18/2017
Nickel	0.041	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.021		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.76			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	10.4	0.2	*	wt%	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:46:00 AM

Lab ID: 17080343-017A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: ERP
Acetone	ND	0.083		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0056		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0056		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.083		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.056		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0056		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0056		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0056		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0056		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0056		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.022		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0056		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0056		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0056		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0056		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.017		mg/Kg-dry	1	8/16/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:46:00 AM

Lab ID: 17080343-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.034		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.034		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.35		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.034		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.034		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.34		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.034		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.034		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.034		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.034		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.86		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.86		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.34		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.034		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.034		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.34		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.86		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.034		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.034		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:46:00 AM

Lab ID: 17080343-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.034		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.034		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.034		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.034		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.34		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.034		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.034		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.070		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.034		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.18		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.034		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.70		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	1400	19		mg/Kg-dry	10	8/15/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/15/2017
Arsenic	4.7	0.94		mg/Kg-dry	10	8/15/2017
Barium	8.2	0.94		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.47		mg/Kg-dry	10	8/15/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:46:00 AM

Lab ID: 17080343-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.47		mg/Kg-dry	10	8/15/2017
Calcium	230000	570		mg/Kg-dry	100	8/15/2017
Chromium	6.0	0.94		mg/Kg-dry	10	8/15/2017
Cobalt	3.2	0.94		mg/Kg-dry	10	8/15/2017
Copper	9.3	2.4		mg/Kg-dry	10	8/15/2017
Iron	10000	28		mg/Kg-dry	10	8/15/2017
Lead	4.2	0.47		mg/Kg-dry	10	8/15/2017
Magnesium	120000	28		mg/Kg-dry	10	8/15/2017
Manganese	370	0.94		mg/Kg-dry	10	8/15/2017
Nickel	6.9	0.94		mg/Kg-dry	10	8/15/2017
Potassium	450	28		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.94		mg/Kg-dry	10	8/15/2017
Silver	ND	0.94		mg/Kg-dry	10	8/15/2017
Sodium	580	57		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.94		mg/Kg-dry	10	8/15/2017
Vanadium	7.2	0.94		mg/Kg-dry	10	8/15/2017
Zinc	18	4.7		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	ND	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	ND	0.10		mg/L	2	8/18/2017
Lead	ND	0.0020		mg/L	2	8/18/2017
Manganese	ND	0.0040		mg/L	2	8/18/2017
Nickel	ND	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	ND	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.084	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-03 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:46:00 AM

Lab ID: 17080343-017B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	ND	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	1.7	0.010		mg/L	5	8/18/2017
Nickel	0.025	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.018		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.77			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	4.3	0.2	*	wt%	1	8/15/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:25:00 AM

Lab ID: 17080343-018A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: ERP
Acetone	ND	0.070		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0093		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.070		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0093		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0093		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0093		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:25:00 AM

Lab ID: 17080343-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017		Analyst: DM

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:25:00 AM

Lab ID: 17080343-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	10000	21		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/15/2017
Arsenic	8.3	1.0		mg/Kg-dry	10	8/15/2017
Barium	64	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.78	0.51		mg/Kg-dry	10	8/15/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:25:00 AM

Lab ID: 17080343-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/15/2017
Calcium	97000	62		mg/Kg-dry	10	8/15/2017
Chromium	19	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	11	1.0		mg/Kg-dry	10	8/15/2017
Copper	24	2.6		mg/Kg-dry	10	8/15/2017
Iron	24000	31		mg/Kg-dry	10	8/15/2017
Lead	21	0.51		mg/Kg-dry	10	8/15/2017
Magnesium	56000	31		mg/Kg-dry	10	8/15/2017
Manganese	540	1.0		mg/Kg-dry	10	8/15/2017
Nickel	27	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1400	31		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	1700	62		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	26	1.0		mg/Kg-dry	10	8/15/2017
Zinc	56	5.1		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.0083	0.0040		mg/L	2	8/18/2017
Barium	0.054	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.017	0.0040		mg/L	2	8/18/2017
Cobalt	0.0074	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	17	0.10		mg/L	2	8/18/2017
Lead	0.013	0.0020		mg/L	2	8/18/2017
Manganese	0.21	0.0040		mg/L	2	8/18/2017
Nickel	0.022	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.056	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.32	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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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RL - Reporting / Quantitation Limit for the analysis

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:25:00 AM

Lab ID: 17080343-018B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)			Prep Date: 8/18/2017		Analyst: JG
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.072	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.35	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	7.9	0.010		mg/L	5	8/18/2017
Nickel	0.059	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A			Prep Date: 8/18/2017		Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A			Prep Date: 8/16/2017		Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A			Prep Date: 8/15/2017		Analyst: LB
Mercury	0.020	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C			Prep Date: 8/16/2017		Analyst: RW
pH	8.54			pH Units	1	8/16/2017
Percent Moisture	D2974			Prep Date: 8/14/2017		Analyst: KKA
Percent Moisture	14.2	0.2	*	wt%	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:28:00 AM

Lab ID: 17080343-019A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: ERP
Acetone	ND	0.075		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0050		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.075		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.050		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0050		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:28:00 AM

Lab ID: 17080343-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017		Analyst: DM

Acenaphthene	ND	0.039		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.99		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.99		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.99		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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* - Non-accredited parameter

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:28:00 AM

Lab ID: 17080343-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.080		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.80		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	13000	22		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/15/2017
Arsenic	15	1.1		mg/Kg-dry	10	8/15/2017
Barium	94	1.1		mg/Kg-dry	10	8/15/2017
Beryllium	0.83	0.54		mg/Kg-dry	10	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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Report Date: August 19, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:28:00 AM

Lab ID: 17080343-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.54		mg/Kg-dry	10	8/15/2017
Calcium	60000	65		mg/Kg-dry	10	8/15/2017
Chromium	23	1.1		mg/Kg-dry	10	8/15/2017
Cobalt	19	1.1		mg/Kg-dry	10	8/15/2017
Copper	32	2.7		mg/Kg-dry	10	8/15/2017
Iron	38000	33		mg/Kg-dry	10	8/15/2017
Lead	17	0.54		mg/Kg-dry	10	8/15/2017
Magnesium	37000	33		mg/Kg-dry	10	8/15/2017
Manganese	890	1.1		mg/Kg-dry	10	8/15/2017
Nickel	40	1.1		mg/Kg-dry	10	8/15/2017
Potassium	1700	33		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/15/2017
Silver	ND	1.1		mg/Kg-dry	10	8/15/2017
Sodium	1000	65		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/15/2017
Vanadium	26	1.1		mg/Kg-dry	10	8/15/2017
Zinc	70	5.4		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/16/2017

Analyst: JG

Arsenic	0.017	0.0040		mg/L	2	8/18/2017
Barium	0.078	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.026	0.0040		mg/L	2	8/18/2017
Cobalt	0.016	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	35	0.10		mg/L	2	8/18/2017
Lead	0.016	0.0020		mg/L	2	8/18/2017
Manganese	0.35	0.0040		mg/L	2	8/18/2017
Nickel	0.037	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.077	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.75	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:28:00 AM

Lab ID: 17080343-019B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.020	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	8.1	0.010		mg/L	5	8/18/2017
Nickel	0.022	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.10		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/16/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/16/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.025	0.018		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.07			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	16.5	0.2	*	wt%	1	8/15/2017

Qualifiers:

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:34:00 AM

Lab ID: 17080343-020A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: ERP
Acetone	ND	0.083		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0055		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0055		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.083		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.055		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0055		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0055		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0055		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0055		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0055		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.022		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0055		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0055		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.017		mg/Kg-dry	1	8/16/2017

Qualifiers:

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J - Analyte detected below quantitation limits

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:34:00 AM

Lab ID: 17080343-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017		Analyst: DM

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:34:00 AM

Lab ID: 17080343-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	5400	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	14	1.0		mg/Kg-dry	10	8/15/2017
Barium	27	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.50		mg/Kg-dry	10	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:34:00 AM

Lab ID: 17080343-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/15/2017
Calcium	160000	600		mg/Kg-dry	100	8/15/2017
Chromium	11	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	5.8	1.0		mg/Kg-dry	10	8/15/2017
Copper	12	2.5		mg/Kg-dry	10	8/15/2017
Iron	14000	30		mg/Kg-dry	10	8/15/2017
Lead	6.2	0.50		mg/Kg-dry	10	8/15/2017
Magnesium	85000	30		mg/Kg-dry	10	8/15/2017
Manganese	350	1.0		mg/Kg-dry	10	8/15/2017
Nickel	15	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1100	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	400	60		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	14	1.0		mg/Kg-dry	10	8/15/2017
Zinc	27	5.0		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	0.032	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.011	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	5.2	0.10		mg/L	2	8/18/2017
Lead	0.0034	0.0020		mg/L	2	8/18/2017
Manganese	0.053	0.0040		mg/L	2	8/18/2017
Nickel	0.0084	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.027	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.31	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-04 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:34:00 AM

Lab ID: 17080343-020B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.13	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	7.2	0.010		mg/L	5	8/18/2017
Nickel	0.17	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.023		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.48			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	13.6	0.2	*	wt%	1	8/15/2017

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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R - RPD outside accepted recovery limits

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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:03:00 AM

Lab ID: 17080343-021A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: ERP
Acetone	ND	0.10		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0069		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0069		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0069		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.014		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.10		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.069		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0069		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0069		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.014		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0069		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.014		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0069		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0069		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0069		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0069		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0069		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0069		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0069		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0027		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0027		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0069		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.027		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.027		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.014		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0069		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0069		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0069		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0069		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0069		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0069		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0069		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0069		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0069		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.021		mg/Kg-dry	1	8/16/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:03:00 AM

Lab ID: 17080343-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017		Analyst: DM

Acenaphthene	ND	0.041		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.041		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.41		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.41		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	1.0		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.041		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.21		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:03:00 AM

Lab ID: 17080343-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.041		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.041		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.21		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.041		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.041		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.041		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.21		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.041		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.83		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	14000	23		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.3		mg/Kg-dry	10	8/15/2017
Arsenic	7.5	1.1		mg/Kg-dry	10	8/15/2017
Barium	82	1.1		mg/Kg-dry	10	8/15/2017
Beryllium	0.90	0.57		mg/Kg-dry	10	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:03:00 AM

Lab ID: 17080343-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.57		mg/Kg-dry	10	8/15/2017
Calcium	130000	68		mg/Kg-dry	10	8/15/2017
Chromium	25	1.1		mg/Kg-dry	10	8/15/2017
Cobalt	12	1.1		mg/Kg-dry	10	8/15/2017
Copper	23	2.8		mg/Kg-dry	10	8/15/2017
Iron	26000	34		mg/Kg-dry	10	8/15/2017
Lead	30	0.57		mg/Kg-dry	10	8/15/2017
Magnesium	74000	34		mg/Kg-dry	10	8/15/2017
Manganese	560	1.1		mg/Kg-dry	10	8/15/2017
Nickel	31	1.1		mg/Kg-dry	10	8/15/2017
Potassium	2300	34		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/15/2017
Silver	ND	1.1		mg/Kg-dry	10	8/15/2017
Sodium	1700	68		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/15/2017
Vanadium	28	1.1		mg/Kg-dry	10	8/15/2017
Zinc	62	5.7		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	0.0073	0.0040		mg/L	2	8/18/2017
Barium	0.047	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.015	0.0040		mg/L	2	8/18/2017
Cobalt	0.0048	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	13	0.10		mg/L	2	8/18/2017
Lead	0.0074	0.0020		mg/L	2	8/18/2017
Manganese	0.13	0.0040		mg/L	2	8/18/2017
Nickel	0.015	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.046	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.33	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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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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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:03:00 AM

Lab ID: 17080343-021B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.064	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.28	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	8.3	0.010		mg/L	5	8/18/2017
Nickel	0.058	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.023	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.87			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	20.4	0.2	*	wt%	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:06:00 AM

Lab ID: 17080343-022A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: JNM
Acetone	ND	0.065		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0087		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.065		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.044		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0087		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0087		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0087		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/16/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:06:00 AM

Lab ID: 17080343-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.94		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017

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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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:06:00 AM

Lab ID: 17080343-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.076		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.76		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	9800	19		mg/Kg-dry	10	8/15/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/15/2017
Arsenic	6.3	0.95		mg/Kg-dry	10	8/15/2017
Barium	87	0.95		mg/Kg-dry	10	8/15/2017
Beryllium	0.72	0.48		mg/Kg-dry	10	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:06:00 AM

Lab ID: 17080343-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.48		mg/Kg-dry	10	8/15/2017
Calcium	61000	57		mg/Kg-dry	10	8/15/2017
Chromium	22	0.95		mg/Kg-dry	10	8/15/2017
Cobalt	8.7	0.95		mg/Kg-dry	10	8/15/2017
Copper	24	2.4		mg/Kg-dry	10	8/15/2017
Iron	20000	29		mg/Kg-dry	10	8/15/2017
Lead	36	0.48		mg/Kg-dry	10	8/15/2017
Magnesium	35000	29		mg/Kg-dry	10	8/15/2017
Manganese	440	0.95		mg/Kg-dry	10	8/15/2017
Nickel	21	0.95		mg/Kg-dry	10	8/15/2017
Potassium	1400	29		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.95		mg/Kg-dry	10	8/15/2017
Silver	ND	0.95		mg/Kg-dry	10	8/15/2017
Sodium	310	57		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.95		mg/Kg-dry	10	8/15/2017
Vanadium	26	0.95		mg/Kg-dry	10	8/15/2017
Zinc	77	4.8		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	ND	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	2.1	0.10		mg/L	2	8/18/2017
Lead	ND	0.0020		mg/L	2	8/18/2017
Manganese	0.016	0.0040		mg/L	2	8/18/2017
Nickel	ND	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.021	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.58	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:06:00 AM

Lab ID: 17080343-022B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.012	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	6.4	0.010		mg/L	5	8/18/2017
Nickel	0.023	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.026	0.018		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	7.48			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	12.1	0.2	*	wt%	1	8/15/2017

Qualifiers:

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S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:09:00 AM

Lab ID: 17080343-023A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: JNM
Acetone	ND	0.082		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0055		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0055		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.011		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.082		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.055		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0055		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0055		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0055		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.011		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0055		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0055		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.022		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0055		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0055		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0055		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0055		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/16/2017

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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:09:00 AM

Lab ID: 17080343-023B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017		Analyst: DM

Acenaphthene	ND	0.043		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.043		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.43		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.043		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.043		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.43		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.043		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.043		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.043		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.043		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	1.1		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.43		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.043		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.043		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.22		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.43		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	8/15/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:09:00 AM

Lab ID: 17080343-023B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.043		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.043		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.22		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.043		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.22		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.22		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.043		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.43		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.043		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.043		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.086		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.043		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.22		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.043		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.86		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	17000	23		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.3		mg/Kg-dry	10	8/15/2017
Arsenic	8.3	1.2		mg/Kg-dry	10	8/15/2017
Barium	150	1.2		mg/Kg-dry	10	8/15/2017
Beryllium	1.2	0.58		mg/Kg-dry	10	8/15/2017

Qualifiers:

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:09:00 AM

Lab ID: 17080343-023B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	0.59	0.58		mg/Kg-dry	10	8/15/2017
Calcium	4500	70		mg/Kg-dry	10	8/15/2017
Chromium	31	1.2		mg/Kg-dry	10	8/15/2017
Cobalt	24	1.2		mg/Kg-dry	10	8/15/2017
Copper	43	2.9		mg/Kg-dry	10	8/15/2017
Iron	39000	35		mg/Kg-dry	10	8/15/2017
Lead	23	0.58		mg/Kg-dry	10	8/15/2017
Magnesium	6600	35		mg/Kg-dry	10	8/15/2017
Manganese	1700	1.2		mg/Kg-dry	10	8/15/2017
Nickel	44	1.2		mg/Kg-dry	10	8/15/2017
Potassium	2300	35		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.2		mg/Kg-dry	10	8/15/2017
Silver	ND	1.2		mg/Kg-dry	10	8/15/2017
Sodium	420	70		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.2		mg/Kg-dry	10	8/15/2017
Vanadium	39	1.2		mg/Kg-dry	10	8/15/2017
Zinc	110	5.8		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	0.0042	0.0040		mg/L	2	8/18/2017
Barium	0.065	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.021	0.0040		mg/L	2	8/18/2017
Cobalt	0.0050	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	17	0.10		mg/L	2	8/18/2017
Lead	0.0058	0.0020		mg/L	2	8/18/2017
Manganese	0.22	0.0040		mg/L	2	8/18/2017
Nickel	0.019	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.063	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.53	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-05 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 10:09:00 AM

Lab ID: 17080343-023B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/18/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.025	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	8.7	0.010		mg/L	5	8/18/2017
Nickel	0.075	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	0.080	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/18/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/17/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A					Prep Date: 8/15/2017 Analyst: LB
Mercury	0.042	0.024		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C					Prep Date: 8/16/2017 Analyst: RW
pH	7.80			pH Units	1	8/16/2017
Percent Moisture	D2974					Prep Date: 8/14/2017 Analyst: KKA
Percent Moisture	22.6	0.2	*	wt%	1	8/15/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:43:00 AM

Lab ID: 17080343-024A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: JNM
Acetone	ND	0.062		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0041		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0083		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.062		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.041		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0041		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0083		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0041		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0083		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0041		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0041		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0083		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0041		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0041		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0041		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0041		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.012		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:43:00 AM

Lab ID: 17080343-024B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/14/2017		Analyst: DM
Acenaphthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.040		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benidine	ND	0.40		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.99		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.99		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.040		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.99		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:43:00 AM

Lab ID: 17080343-024B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.040		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.040		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.040		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.040		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.080		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.040		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.80		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	11000	22		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.2		mg/Kg-dry	10	8/15/2017
Arsenic	12	1.1		mg/Kg-dry	10	8/15/2017
Barium	70	1.1		mg/Kg-dry	10	8/15/2017
Beryllium	0.79	0.55		mg/Kg-dry	10	8/15/2017

Qualifiers:

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* - Non-accredited parameter

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S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:43:00 AM

Lab ID: 17080343-024B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.55		mg/Kg-dry	10	8/15/2017
Calcium	140000	660		mg/Kg-dry	100	8/15/2017
Chromium	21	1.1		mg/Kg-dry	10	8/15/2017
Cobalt	12	1.1		mg/Kg-dry	10	8/15/2017
Copper	28	2.8		mg/Kg-dry	10	8/15/2017
Iron	28000	33		mg/Kg-dry	10	8/15/2017
Lead	16	0.55		mg/Kg-dry	10	8/15/2017
Magnesium	88000	33		mg/Kg-dry	10	8/15/2017
Manganese	710	1.1		mg/Kg-dry	10	8/15/2017
Nickel	31	1.1		mg/Kg-dry	10	8/15/2017
Potassium	1600	33		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/15/2017
Silver	ND	1.1		mg/Kg-dry	10	8/15/2017
Sodium	980	66		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/15/2017
Vanadium	29	1.1		mg/Kg-dry	10	8/15/2017
Zinc	63	5.5		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	0.040	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.014	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	9.2	0.10		mg/L	2	8/18/2017
Lead	0.0041	0.0020		mg/L	2	8/18/2017
Manganese	0.084	0.0040		mg/L	2	8/18/2017
Nickel	0.011	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.038	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.34	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:43:00 AM

Lab ID: 17080343-024B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.052	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	7.2	0.010		mg/L	5	8/18/2017
Nickel	0.052	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.019		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.36			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	17.8	0.2	*	wt%	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:47:00 AM

Lab ID: 17080343-025A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: JNM
Acetone	ND	0.069		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0046		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0092		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.069		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.046		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0092		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0046		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0092		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0092		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0046		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/16/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:47:00 AM

Lab ID: 17080343-025B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017		Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.93		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.93		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.93		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/15/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:47:00 AM

Lab ID: 17080343-025B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.075		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.75		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	15000	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	12	1.0		mg/Kg-dry	10	8/15/2017
Barium	230	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	1.2	0.50		mg/Kg-dry	10	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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Report Date: August 19, 2017

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:47:00 AM

Lab ID: 17080343-025B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/15/2017
Calcium	10000	60		mg/Kg-dry	10	8/15/2017
Chromium	23	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	14	1.0		mg/Kg-dry	10	8/15/2017
Copper	28	2.5		mg/Kg-dry	10	8/15/2017
Iron	30000	30		mg/Kg-dry	10	8/15/2017
Lead	18	0.50		mg/Kg-dry	10	8/15/2017
Magnesium	8700	30		mg/Kg-dry	10	8/15/2017
Manganese	1100	1.0		mg/Kg-dry	10	8/15/2017
Nickel	36	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1200	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	630	60		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	42	1.0		mg/Kg-dry	10	8/15/2017
Zinc	70	5.0		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	0.0045	0.0040		mg/L	2	8/18/2017
Barium	0.054	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.013	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	12	0.10		mg/L	2	8/18/2017
Lead	0.0042	0.0020		mg/L	2	8/18/2017
Manganese	0.16	0.0040		mg/L	2	8/18/2017
Nickel	0.012	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.040	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	1.5	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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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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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:47:00 AM

Lab ID: 17080343-025B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.039	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	8.7	0.010		mg/L	5	8/18/2017
Nickel	0.045	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.028	0.018		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	7.81			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	11.2	0.2	*	wt%	1	8/15/2017

Qualifiers:

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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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:50:00 AM

Lab ID: 17080343-026A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: JNM
Acetone	ND	0.066		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0087		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.066		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.044		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0087		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0087		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0087		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:50:00 AM

Lab ID: 17080343-026B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017		Analyst: DM

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/15/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/15/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Benzoic acid	ND	0.97		mg/Kg-dry	1	8/15/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Bis(2-ethylhexyl)phthalate	ND	0.97		mg/Kg-dry	1	8/15/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/15/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/15/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/15/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/15/2017
2,4-Dinitrophenol	ND	0.97		mg/Kg-dry	1	8/15/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/15/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:50:00 AM

Lab ID: 17080343-026B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/15/2017
Fluoranthene	ND	0.038		mg/Kg-dry	1	8/15/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/15/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/15/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/15/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/15/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/15/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/15/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/15/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/15/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/15/2017
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	8/15/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/15/2017
Pyrene	ND	0.038		mg/Kg-dry	1	8/15/2017
Pyridine	ND	0.78		mg/Kg-dry	1	8/15/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/15/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	14000	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	4.0	1.0		mg/Kg-dry	10	8/15/2017
Barium	120	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	0.90	0.51		mg/Kg-dry	10	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:50:00 AM

Lab ID: 17080343-026B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/15/2017
Calcium	86000	61		mg/Kg-dry	10	8/15/2017
Chromium	31	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	26	1.0		mg/Kg-dry	10	8/15/2017
Copper	28	2.5		mg/Kg-dry	10	8/15/2017
Iron	27000	30		mg/Kg-dry	10	8/15/2017
Lead	19	0.51		mg/Kg-dry	10	8/15/2017
Magnesium	53000	30		mg/Kg-dry	10	8/15/2017
Manganese	1300	1.0		mg/Kg-dry	10	8/15/2017
Nickel	43	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1900	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	520	61		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	31	1.0		mg/Kg-dry	10	8/15/2017
Zinc	72	5.1		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	0.042	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.015	0.0040		mg/L	2	8/18/2017
Cobalt	0.0050	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	11	0.10		mg/L	2	8/18/2017
Lead	0.0058	0.0020		mg/L	2	8/18/2017
Manganese	0.13	0.0040		mg/L	2	8/18/2017
Nickel	0.015	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.041	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.33	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-06 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:50:00 AM

Lab ID: 17080343-026B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)			Prep Date: 8/18/2017	Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.012	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	2.8	0.010		mg/L	5	8/18/2017
Nickel	0.015	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A			Prep Date: 8/18/2017	Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A			Prep Date: 8/17/2017	Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A			Prep Date: 8/15/2017	Analyst: LB	
Mercury	ND	0.020		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C			Prep Date: 8/16/2017	Analyst: RW	
pH	8.17			pH Units	1	8/16/2017
Percent Moisture	D2974			Prep Date: 8/14/2017	Analyst: KKA	
Percent Moisture	14.6	0.2	*	wt%	1	8/15/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

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* - Non-accredited parameter

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:34:00 AM

Lab ID: 17080343-027A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: JNM
Acetone	ND	0.066		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0088		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.066		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.044		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0088		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0088		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0088		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Toluene	0.0045	0.0044		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/16/2017

Qualifiers:

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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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:34:00 AM

Lab ID: 17080343-027B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.035		mg/Kg-dry	1	8/16/2017
Acenaphthylene	ND	0.035		mg/Kg-dry	1	8/16/2017
Aniline	ND	0.35		mg/Kg-dry	1	8/16/2017
Anthracene	ND	0.035		mg/Kg-dry	1	8/16/2017
Benz(a)anthracene	ND	0.035		mg/Kg-dry	1	8/16/2017
Benzidine	ND	0.35		mg/Kg-dry	1	8/16/2017
Benzo(a)pyrene	ND	0.035		mg/Kg-dry	1	8/16/2017
Benzo(b)fluoranthene	ND	0.035		mg/Kg-dry	1	8/16/2017
Benzo(g,h,i)perylene	ND	0.035		mg/Kg-dry	1	8/16/2017
Benzo(k)fluoranthene	ND	0.035		mg/Kg-dry	1	8/16/2017
Benzoic acid	ND	0.87		mg/Kg-dry	1	8/16/2017
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/16/2017
Bis(2-ethylhexyl)phthalate	ND	0.87		mg/Kg-dry	1	8/16/2017
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/16/2017
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/16/2017
Carbazole	ND	0.18		mg/Kg-dry	1	8/16/2017
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/16/2017
4-Chloro-3-methylphenol	ND	0.35		mg/Kg-dry	1	8/16/2017
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/16/2017
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/16/2017
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/16/2017
Chrysene	ND	0.035		mg/Kg-dry	1	8/16/2017
Dibenz(a,h)anthracene	ND	0.035		mg/Kg-dry	1	8/16/2017
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/16/2017
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/16/2017
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/16/2017
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/16/2017
3,3'-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	8/16/2017
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/16/2017
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/16/2017
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/16/2017
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/16/2017
4,6-Dinitro-2-methylphenol	ND	0.35		mg/Kg-dry	1	8/16/2017
2,4-Dinitrophenol	ND	0.87		mg/Kg-dry	1	8/16/2017
2,4-Dinitrotoluene	ND	0.035		mg/Kg-dry	1	8/16/2017
2,6-Dinitrotoluene	ND	0.035		mg/Kg-dry	1	8/16/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:34:00 AM

Lab ID: 17080343-027B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017	Analyst: DM	

Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/16/2017
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/16/2017
Fluoranthene	ND	0.035		mg/Kg-dry	1	8/16/2017
Fluorene	ND	0.035		mg/Kg-dry	1	8/16/2017
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/16/2017
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/16/2017
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/16/2017
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/16/2017
Indeno(1,2,3-cd)pyrene	ND	0.035		mg/Kg-dry	1	8/16/2017
Isophorone	ND	0.18		mg/Kg-dry	1	8/16/2017
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/16/2017
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/16/2017
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/16/2017
Naphthalene	ND	0.035		mg/Kg-dry	1	8/16/2017
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/16/2017
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/16/2017
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	8/16/2017
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/16/2017
4-Nitrophenol	ND	0.35		mg/Kg-dry	1	8/16/2017
Nitrobenzene	ND	0.035		mg/Kg-dry	1	8/16/2017
N-Nitrosodi-n-propylamine	ND	0.035		mg/Kg-dry	1	8/16/2017
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/16/2017
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/16/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/16/2017
Pentachlorophenol	ND	0.070		mg/Kg-dry	1	8/16/2017
Phenanthrene	ND	0.035		mg/Kg-dry	1	8/16/2017
Phenol	ND	0.18		mg/Kg-dry	1	8/16/2017
Pyrene	ND	0.035		mg/Kg-dry	1	8/16/2017
Pyridine	ND	0.70		mg/Kg-dry	1	8/16/2017
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/16/2017
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/16/2017
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/16/2017

Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 8/11/2017	Analyst: JG	

Aluminum	19000	18		mg/Kg-dry	10	8/15/2017
Antimony	ND	1.8		mg/Kg-dry	10	8/15/2017
Arsenic	16	0.91		mg/Kg-dry	10	8/15/2017
Barium	130	0.91		mg/Kg-dry	10	8/15/2017
Beryllium	1.4	0.45		mg/Kg-dry	10	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:34:00 AM

Lab ID: 17080343-027B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.45		mg/Kg-dry	10	8/15/2017
Calcium	9400	54		mg/Kg-dry	10	8/15/2017
Chromium	31	0.91		mg/Kg-dry	10	8/15/2017
Cobalt	18	0.91		mg/Kg-dry	10	8/15/2017
Copper	42	2.3		mg/Kg-dry	10	8/15/2017
Iron	43000	27		mg/Kg-dry	10	8/15/2017
Lead	24	0.45		mg/Kg-dry	10	8/15/2017
Magnesium	9000	27		mg/Kg-dry	10	8/15/2017
Manganese	380	0.91		mg/Kg-dry	10	8/15/2017
Nickel	54	0.91		mg/Kg-dry	10	8/15/2017
Potassium	2100	27		mg/Kg-dry	10	8/15/2017
Selenium	0.98	0.91		mg/Kg-dry	10	8/15/2017
Silver	ND	0.91		mg/Kg-dry	10	8/15/2017
Sodium	1900	54		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.91		mg/Kg-dry	10	8/15/2017
Vanadium	37	0.91		mg/Kg-dry	10	8/15/2017
Zinc	86	4.5		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	0.0068	0.0040		mg/L	2	8/18/2017
Barium	0.055	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.017	0.0040		mg/L	2	8/18/2017
Cobalt	0.0060	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	14	0.10		mg/L	2	8/18/2017
Lead	0.0070	0.0020		mg/L	2	8/18/2017
Manganese	0.14	0.0040		mg/L	2	8/18/2017
Nickel	0.018	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.041	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.60	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

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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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (0-6)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:34:00 AM

Lab ID: 17080343-027B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.032	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.33	0.25		mg/L	5	8/18/2017
Lead	0.0052	0.0050		mg/L	5	8/18/2017
Manganese	5.7	0.010		mg/L	5	8/18/2017
Nickel	0.035	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.033	0.020		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	7.96			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	5.7	0.2	*	wt%	1	8/15/2017

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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:37:00 AM

Lab ID: 17080343-028A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: JNM
Acetone	ND	0.051		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0034		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0034		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0034		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0068		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.051		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.034		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0034		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0034		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0068		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0034		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0068		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0034		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0034		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0034		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0034		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0034		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0034		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0034		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0014		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0014		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0034		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.014		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.014		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0068		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0034		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0034		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0034		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0034		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0034		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0034		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0034		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0034		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0034		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.010		mg/Kg-dry	1	8/16/2017

Qualifiers:

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:37:00 AM

Lab ID: 17080343-028B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.036		mg/Kg-dry	1	8/16/2017
Acenaphthylene	ND	0.036		mg/Kg-dry	1	8/16/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/16/2017
Anthracene	ND	0.036		mg/Kg-dry	1	8/16/2017
Benz(a)anthracene	ND	0.036		mg/Kg-dry	1	8/16/2017
Benzidine	ND	0.36		mg/Kg-dry	1	8/16/2017
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	1	8/16/2017
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	1	8/16/2017
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	1	8/16/2017
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	1	8/16/2017
Benzoic acid	ND	0.91		mg/Kg-dry	1	8/16/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/16/2017
Bis(2-ethylhexyl)phthalate	ND	0.91		mg/Kg-dry	1	8/16/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/16/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	8/16/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/16/2017
Chrysene	ND	0.036		mg/Kg-dry	1	8/16/2017
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1	8/16/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/16/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	8/16/2017
2,4-Dinitrophenol	ND	0.91		mg/Kg-dry	1	8/16/2017
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/16/2017
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	8/16/2017

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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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: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:37:00 AM

Lab ID: 17080343-028B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
Fluoranthene	ND	0.036		mg/Kg-dry	1	8/16/2017
Fluorene	ND	0.036		mg/Kg-dry	1	8/16/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/16/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/16/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/16/2017
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	1	8/16/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Naphthalene	ND	0.036		mg/Kg-dry	1	8/16/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	8/16/2017
Nitrobenzene	ND	0.036		mg/Kg-dry	1	8/16/2017
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	8/16/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/16/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/16/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/16/2017
Pentachlorophenol	ND	0.074		mg/Kg-dry	1	8/16/2017
Phenanthrene	ND	0.036		mg/Kg-dry	1	8/16/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Pyrene	ND	0.036		mg/Kg-dry	1	8/16/2017
Pyridine	ND	0.74		mg/Kg-dry	1	8/16/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	7200	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	3.2	0.99		mg/Kg-dry	10	8/15/2017
Barium	33	0.99		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.50		mg/Kg-dry	10	8/15/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:37:00 AM

Lab ID: 17080343-028B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.50		mg/Kg-dry	10	8/15/2017
Calcium	110000	60		mg/Kg-dry	10	8/15/2017
Chromium	15	0.99		mg/Kg-dry	10	8/15/2017
Cobalt	7.6	0.99		mg/Kg-dry	10	8/15/2017
Copper	16	2.5		mg/Kg-dry	10	8/15/2017
Iron	18000	30		mg/Kg-dry	10	8/15/2017
Lead	8.6	0.50		mg/Kg-dry	10	8/15/2017
Magnesium	55000	30		mg/Kg-dry	10	8/15/2017
Manganese	410	0.99		mg/Kg-dry	10	8/15/2017
Nickel	19	0.99		mg/Kg-dry	10	8/15/2017
Potassium	1600	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.99		mg/Kg-dry	10	8/15/2017
Silver	ND	0.99		mg/Kg-dry	10	8/15/2017
Sodium	380	60		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.99		mg/Kg-dry	10	8/15/2017
Vanadium	18	0.99		mg/Kg-dry	10	8/15/2017
Zinc	36	5.0		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	0.032	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.012	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	8.2	0.10		mg/L	2	8/18/2017
Lead	0.0048	0.0020		mg/L	2	8/18/2017
Manganese	0.052	0.0040		mg/L	2	8/18/2017
Nickel	0.0080	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.031	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.22	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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R - RPD outside accepted recovery limits

E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (6-12)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:37:00 AM

Lab ID: 17080343-028B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.050	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	4.7	0.010		mg/L	5	8/18/2017
Nickel	0.054	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.020		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.66			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	9.7	0.2	*	wt%	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:40:00 AM

Lab ID: 17080343-029A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: JNM
Acetone	ND	0.066		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0088		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.066		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.044		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0088		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0044		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0088		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0088		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0044		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/16/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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* - Non-accredited parameter

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:40:00 AM

Lab ID: 17080343-029B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.037		mg/Kg-dry	1	8/16/2017
Acenaphthylene	ND	0.037		mg/Kg-dry	1	8/16/2017
Aniline	ND	0.37		mg/Kg-dry	1	8/16/2017
Anthracene	ND	0.037		mg/Kg-dry	1	8/16/2017
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	8/16/2017
Benzidine	ND	0.37		mg/Kg-dry	1	8/16/2017
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	8/16/2017
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	8/16/2017
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	8/16/2017
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	8/16/2017
Benzoic acid	ND	0.92		mg/Kg-dry	1	8/16/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/16/2017
Bis(2-ethylhexyl)phthalate	ND	0.92		mg/Kg-dry	1	8/16/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/16/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	8/16/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/16/2017
Chrysene	ND	0.037		mg/Kg-dry	1	8/16/2017
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	8/16/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/16/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	8/16/2017
2,4-Dinitrophenol	ND	0.92		mg/Kg-dry	1	8/16/2017
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/16/2017
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	8/16/2017

Qualifiers:

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 9:40:00 AM

Lab ID: 17080343-029B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
Fluoranthene	ND	0.037		mg/Kg-dry	1	8/16/2017
Fluorene	ND	0.037		mg/Kg-dry	1	8/16/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/16/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/16/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/16/2017
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	8/16/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Naphthalene	ND	0.037		mg/Kg-dry	1	8/16/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	8/16/2017
Nitrobenzene	ND	0.037		mg/Kg-dry	1	8/16/2017
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	8/16/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/16/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/16/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/16/2017
Pentachlorophenol	ND	0.074		mg/Kg-dry	1	8/16/2017
Phenanthrene	ND	0.037		mg/Kg-dry	1	8/16/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Pyrene	ND	0.037		mg/Kg-dry	1	8/16/2017
Pyridine	ND	0.74		mg/Kg-dry	1	8/16/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	4100	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	2.0	0.98		mg/Kg-dry	10	8/15/2017
Barium	19	0.98		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.49		mg/Kg-dry	10	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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* - Non-accredited parameter

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:40:00 AM

Lab ID: 17080343-029B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.49		mg/Kg-dry	10	8/15/2017
Calcium	160000	590		mg/Kg-dry	100	8/15/2017
Chromium	11	0.98		mg/Kg-dry	10	8/15/2017
Cobalt	6.4	0.98		mg/Kg-dry	10	8/15/2017
Copper	15	2.5		mg/Kg-dry	10	8/15/2017
Iron	14000	30		mg/Kg-dry	10	8/15/2017
Lead	8.5	0.49		mg/Kg-dry	10	8/15/2017
Magnesium	83000	30		mg/Kg-dry	10	8/15/2017
Manganese	490	0.98		mg/Kg-dry	10	8/15/2017
Nickel	15	0.98		mg/Kg-dry	10	8/15/2017
Potassium	1000	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.98		mg/Kg-dry	10	8/15/2017
Silver	ND	0.98		mg/Kg-dry	10	8/15/2017
Sodium	370	59		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.98		mg/Kg-dry	10	8/15/2017
Vanadium	17	0.98		mg/Kg-dry	10	8/15/2017
Zinc	38	4.9		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	ND	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	0.11	0.10		mg/L	2	8/18/2017
Lead	ND	0.0020		mg/L	2	8/18/2017
Manganese	0.071	0.0040		mg/L	2	8/18/2017
Nickel	ND	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	ND	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.19	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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E - Value above quantitation range

H - Holding time exceeded

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-56-07 (12-18)

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 9:40:00 AM

Lab ID: 17080343-029B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.026	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	3.1	0.010		mg/L	5	8/18/2017
Nickel	0.035	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	0.061	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.018		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	7.42			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	10.8	0.2	*	wt%	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-10

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:30:00 AM

Lab ID: 17080343-030A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: JNM
Acetone	ND	0.077		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0051		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0051		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.077		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.051		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0051		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0051		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0051		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0051		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0051		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0051		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0051		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-10

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:30:00 AM

Lab ID: 17080343-030B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)	Prep Date: 8/14/2017		Analyst: DM	
Acenaphthene	ND	0.34		mg/Kg-dry	1	8/16/2017
Acenaphthylene	ND	0.34		mg/Kg-dry	1	8/16/2017
Aniline	ND	3.5		mg/Kg-dry	1	8/16/2017
Anthracene	ND	0.34		mg/Kg-dry	1	8/16/2017
Benz(a)anthracene	ND	0.34		mg/Kg-dry	1	8/16/2017
Benzidine	ND	3.4		mg/Kg-dry	1	8/16/2017
Benzo(a)pyrene	ND	0.34		mg/Kg-dry	1	8/16/2017
Benzo(b)fluoranthene	ND	0.34		mg/Kg-dry	1	8/16/2017
Benzo(g,h,i)perylene	ND	0.34		mg/Kg-dry	1	8/16/2017
Benzo(k)fluoranthene	ND	0.34		mg/Kg-dry	1	8/16/2017
Benzoic acid	ND	8.6		mg/Kg-dry	1	8/16/2017
Benzyl alcohol	ND	1.8		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethoxy)methane	ND	1.8		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethyl)ether	ND	1.8		mg/Kg-dry	1	8/16/2017
Bis(2-ethylhexyl)phthalate	ND	8.6		mg/Kg-dry	1	8/16/2017
4-Bromophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	8/16/2017
Butyl benzyl phthalate	ND	1.8		mg/Kg-dry	1	8/16/2017
Carbazole	ND	1.8		mg/Kg-dry	1	8/16/2017
4-Chloroaniline	ND	1.8		mg/Kg-dry	1	8/16/2017
4-Chloro-3-methylphenol	ND	3.4		mg/Kg-dry	1	8/16/2017
2-Chloronaphthalene	ND	1.8		mg/Kg-dry	1	8/16/2017
2-Chlorophenol	ND	1.8		mg/Kg-dry	1	8/16/2017
4-Chlorophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	8/16/2017
Chrysene	ND	0.34		mg/Kg-dry	1	8/16/2017
Dibenz(a,h)anthracene	ND	0.34		mg/Kg-dry	1	8/16/2017
Dibenzofuran	ND	1.8		mg/Kg-dry	1	8/16/2017
1,2-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	8/16/2017
1,3-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	8/16/2017
1,4-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	8/16/2017
3,3'-Dichlorobenzidine	ND	1.8		mg/Kg-dry	1	8/16/2017
2,4-Dichlorophenol	ND	1.8		mg/Kg-dry	1	8/16/2017
Diethyl phthalate	ND	1.8		mg/Kg-dry	1	8/16/2017
2,4-Dimethylphenol	ND	1.8		mg/Kg-dry	1	8/16/2017
Dimethyl phthalate	ND	1.8		mg/Kg-dry	1	8/16/2017
4,6-Dinitro-2-methylphenol	ND	3.4		mg/Kg-dry	1	8/16/2017
2,4-Dinitrophenol	ND	8.6		mg/Kg-dry	1	8/16/2017
2,4-Dinitrotoluene	ND	0.34		mg/Kg-dry	1	8/16/2017
2,6-Dinitrotoluene	ND	0.34		mg/Kg-dry	1	8/16/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-10

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:30:00 AM

Lab ID: 17080343-030B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM
Di-n-butyl phthalate	ND	1.8		mg/Kg-dry	1	8/16/2017
Di-n-octyl phthalate	ND	1.8		mg/Kg-dry	1	8/16/2017
Fluoranthene	ND	0.34		mg/Kg-dry	1	8/16/2017
Fluorene	ND	0.34		mg/Kg-dry	1	8/16/2017
Hexachlorobenzene	ND	1.8		mg/Kg-dry	1	8/16/2017
Hexachlorobutadiene	ND	1.8		mg/Kg-dry	1	8/16/2017
Hexachlorocyclopentadiene	ND	1.8		mg/Kg-dry	1	8/16/2017
Hexachloroethane	ND	1.8		mg/Kg-dry	1	8/16/2017
Indeno(1,2,3-cd)pyrene	ND	0.34		mg/Kg-dry	1	8/16/2017
Isophorone	ND	1.8		mg/Kg-dry	1	8/16/2017
2-Methylnaphthalene	ND	1.8		mg/Kg-dry	1	8/16/2017
2-Methylphenol	ND	1.8		mg/Kg-dry	1	8/16/2017
4-Methylphenol	ND	1.8		mg/Kg-dry	1	8/16/2017
Naphthalene	ND	0.34		mg/Kg-dry	1	8/16/2017
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	8/16/2017
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	8/16/2017
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	8/16/2017
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	8/16/2017
4-Nitrophenol	ND	3.4		mg/Kg-dry	1	8/16/2017
Nitrobenzene	ND	0.34		mg/Kg-dry	1	8/16/2017
N-Nitrosodi-n-propylamine	ND	0.34		mg/Kg-dry	1	8/16/2017
N-Nitrosodimethylamine	ND	1.8		mg/Kg-dry	1	8/16/2017
N-Nitrosodiphenylamine	ND	1.8		mg/Kg-dry	1	8/16/2017
2, 2'-oxybis(1-Chloropropane)	ND	1.8		mg/Kg-dry	1	8/16/2017
Pentachlorophenol	ND	0.70		mg/Kg-dry	1	8/16/2017
Phenanthrene	ND	0.34		mg/Kg-dry	1	8/16/2017
Phenol	ND	1.8		mg/Kg-dry	1	8/16/2017
Pyrene	ND	0.34		mg/Kg-dry	1	8/16/2017
Pyridine	ND	7.0		mg/Kg-dry	1	8/16/2017
1,2,4-Trichlorobenzene	ND	1.8		mg/Kg-dry	1	8/16/2017
2,4,5-Trichlorophenol	ND	1.8		mg/Kg-dry	1	8/16/2017
2,4,6-Trichlorophenol	ND	1.8		mg/Kg-dry	1	8/16/2017
Metals by ICP/MS						
	SW6020 (SW3050B)				Prep Date: 8/11/2017	Analyst: JG
Aluminum	8800	19		mg/Kg-dry	10	8/15/2017
Antimony	ND	1.9		mg/Kg-dry	10	8/15/2017
Arsenic	7.3	0.93		mg/Kg-dry	10	8/15/2017
Barium	30	0.93		mg/Kg-dry	10	8/15/2017
Beryllium	0.62	0.46		mg/Kg-dry	10	8/15/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-10

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:30:00 AM

Lab ID: 17080343-030B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.46		mg/Kg-dry	10	8/15/2017
Calcium	120000	560		mg/Kg-dry	100	8/15/2017
Chromium	17	0.93		mg/Kg-dry	10	8/15/2017
Cobalt	9.9	0.93		mg/Kg-dry	10	8/15/2017
Copper	21	2.3		mg/Kg-dry	10	8/15/2017
Iron	21000	28		mg/Kg-dry	10	8/15/2017
Lead	20	0.46		mg/Kg-dry	10	8/15/2017
Magnesium	83000	28		mg/Kg-dry	10	8/15/2017
Manganese	480	0.93		mg/Kg-dry	10	8/15/2017
Nickel	25	0.93		mg/Kg-dry	10	8/15/2017
Potassium	1600	28		mg/Kg-dry	10	8/15/2017
Selenium	ND	0.93		mg/Kg-dry	10	8/15/2017
Silver	ND	0.93		mg/Kg-dry	10	8/15/2017
Sodium	1600	56		mg/Kg-dry	10	8/15/2017
Thallium	ND	0.93		mg/Kg-dry	10	8/15/2017
Vanadium	29	0.93		mg/Kg-dry	10	8/15/2017
Zinc	48	4.6		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	0.020	0.0040		mg/L	2	8/18/2017
Barium	0.10	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.048	0.0040		mg/L	2	8/18/2017
Cobalt	0.025	0.0040		mg/L	2	8/18/2017
Copper	0.060	0.040		mg/L	2	8/18/2017
Iron	48	0.10		mg/L	2	8/18/2017
Lead	0.039	0.0020		mg/L	2	8/18/2017
Manganese	0.50	0.0040		mg/L	2	8/18/2017
Nickel	0.062	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.13	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.22	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-10

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 10:30:00 AM

Lab ID: 17080343-030B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.023	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	5.2	0.010		mg/L	5	8/18/2017
Nickel	0.031	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.018		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	9.30			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	4.3	0.2	*	wt%	1	8/15/2017

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-14

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:00:00 AM

Lab ID: 17080343-031A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: JNM
Acetone	ND	0.076		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0050		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.076		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.050		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0050		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-14

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:00:00 AM

Lab ID: 17080343-031B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/16/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/16/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/16/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/16/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzoic acid	ND	0.96		mg/Kg-dry	1	8/16/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/16/2017
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	8/16/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/16/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/16/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/16/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/16/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/16/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/16/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/16/2017
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	8/16/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/16/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/16/2017

Qualifiers:

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B - Analyte detected in the associated Method Blank

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-14

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:00:00 AM

Lab ID: 17080343-031B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
Fluoranthene	0.061	0.038		mg/Kg-dry	1	8/16/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/16/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/16/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/16/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/16/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/16/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/16/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/16/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/16/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/16/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/16/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/16/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/16/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/16/2017
Phenanthrene	ND	0.038		mg/Kg-dry	1	8/16/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Pyrene	0.054	0.038		mg/Kg-dry	1	8/16/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/16/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	15000	21		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/15/2017
Arsenic	14	1.1		mg/Kg-dry	10	8/15/2017
Barium	120	1.1		mg/Kg-dry	10	8/15/2017
Beryllium	1.4	0.53		mg/Kg-dry	10	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-14

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 11:00:00 AM

Lab ID: 17080343-031B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	0.99	0.53		mg/Kg-dry	10	8/15/2017
Calcium	67000	63		mg/Kg-dry	10	8/15/2017
Chromium	30	1.1		mg/Kg-dry	10	8/15/2017
Cobalt	19	1.1		mg/Kg-dry	10	8/15/2017
Copper	46	2.6		mg/Kg-dry	10	8/15/2017
Iron	36000	32		mg/Kg-dry	10	8/15/2017
Lead	210	0.53		mg/Kg-dry	10	8/15/2017
Magnesium	39000	32		mg/Kg-dry	10	8/15/2017
Manganese	830	1.1		mg/Kg-dry	10	8/15/2017
Nickel	42	1.1		mg/Kg-dry	10	8/15/2017
Potassium	2000	32		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/15/2017
Silver	ND	1.1		mg/Kg-dry	10	8/15/2017
Sodium	2800	63		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/15/2017
Vanadium	36	1.1		mg/Kg-dry	10	8/15/2017
Zinc	170	5.3		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	0.011	0.0040		mg/L	2	8/18/2017
Barium	0.045	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.016	0.0040		mg/L	2	8/18/2017
Cobalt	0.0057	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	13	0.10		mg/L	2	8/18/2017
Lead	0.045	0.0020		mg/L	2	8/18/2017
Manganese	0.11	0.0040		mg/L	2	8/18/2017
Nickel	0.016	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.051	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.55	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-14

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date: 8/9/2017 11:00:00 AM

Lab ID: 17080343-031B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/18/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.023	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	0.32	0.25		mg/L	5	8/18/2017
Lead	0.017	0.0050		mg/L	5	8/18/2017
Manganese	6.9	0.010		mg/L	5	8/18/2017
Nickel	0.027	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	0.058	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/18/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/17/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A					Prep Date: 8/15/2017 Analyst: LB
Mercury	0.031	0.022		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C					Prep Date: 8/16/2017 Analyst: RW
pH	8.22			pH Units	1	8/16/2017
Percent Moisture	D2974					Prep Date: 8/14/2017 Analyst: KKA
Percent Moisture	14.2	0.2	*	wt%	1	8/15/2017

Qualifiers:

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-13

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 8:55:00 AM

Lab ID: 17080343-032A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: ERP
Acetone	ND	0.075		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0050		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.075		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.050		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0050		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.020		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0050		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/16/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-13

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 8:55:00 AM

Lab ID: 17080343-032B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017		Analyst: DM

Acenaphthene	ND	0.039		mg/Kg-dry	1	8/16/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/16/2017
Aniline	ND	0.39		mg/Kg-dry	1	8/16/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/16/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzoic acid	ND	0.98		mg/Kg-dry	1	8/16/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/16/2017
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	8/16/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/16/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/16/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/16/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/16/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/16/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/16/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/16/2017
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	8/16/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/16/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/16/2017

Qualifiers:

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-13

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 8:55:00 AM

Lab ID: 17080343-032B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/16/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/16/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/16/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/16/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/16/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/16/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/16/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/16/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/16/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/16/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/16/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/16/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/16/2017
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	8/16/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/16/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/16/2017
Pyridine	ND	0.79		mg/Kg-dry	1	8/16/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	5000	21		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/15/2017
Arsenic	9.4	1.1		mg/Kg-dry	10	8/15/2017
Barium	30	1.1		mg/Kg-dry	10	8/15/2017
Beryllium	ND	0.53		mg/Kg-dry	10	8/15/2017

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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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-13

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 8:55:00 AM

Lab ID: 17080343-032B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.53		mg/Kg-dry	10	8/15/2017
Calcium	61000	630		mg/Kg-dry	100	8/15/2017
Chromium	14	1.1		mg/Kg-dry	10	8/15/2017
Cobalt	7.8	1.1		mg/Kg-dry	10	8/15/2017
Copper	17	2.6		mg/Kg-dry	10	8/15/2017
Iron	20000	32		mg/Kg-dry	10	8/15/2017
Lead	12	0.53		mg/Kg-dry	10	8/15/2017
Magnesium	120000	32		mg/Kg-dry	10	8/15/2017
Manganese	550	1.1		mg/Kg-dry	10	8/15/2017
Nickel	19	1.1		mg/Kg-dry	10	8/15/2017
Potassium	1200	32		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.1		mg/Kg-dry	10	8/15/2017
Silver	ND	1.1		mg/Kg-dry	10	8/15/2017
Sodium	600	63		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.1		mg/Kg-dry	10	8/15/2017
Vanadium	17	1.1		mg/Kg-dry	10	8/15/2017
Zinc	33	5.3		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	8/18/2017
Barium	ND	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.0047	0.0040		mg/L	2	8/18/2017
Cobalt	ND	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	2.2	0.10		mg/L	2	8/18/2017
Lead	ND	0.0020		mg/L	2	8/18/2017
Manganese	0.010	0.0040		mg/L	2	8/18/2017
Nickel	ND	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	ND	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.34	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-13

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 8:55:00 AM

Lab ID: 17080343-032B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 8/18/2017 Analyst: JG
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	ND	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	1.1	0.010		mg/L	5	8/18/2017
Nickel	0.011	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A					Prep Date: 8/18/2017 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A					Prep Date: 8/17/2017 Analyst: LB
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A					Prep Date: 8/15/2017 Analyst: LB
Mercury	ND	0.022		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C					Prep Date: 8/16/2017 Analyst: RW
pH	8.21			pH Units	1	8/16/2017
Percent Moisture	D2974					Prep Date: 8/14/2017 Analyst: KKA
Percent Moisture	16.5	0.2	*	wt%	1	8/15/2017

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

E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-12

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 12:00:00 PM

Lab ID: 17080343-033A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/11/2017		Analyst: ERP
Acetone	ND	0.071		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0047		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.0094		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.071		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.0094		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0047		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.0094		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.0094		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/16/2017

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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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-12

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 12:00:00 PM

Lab ID: 17080343-033B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)	Prep Date: 8/14/2017	Analyst: DM

Acenaphthene	ND	0.038		mg/Kg-dry	1	8/16/2017
Acenaphthylene	ND	0.038		mg/Kg-dry	1	8/16/2017
Aniline	ND	0.38		mg/Kg-dry	1	8/16/2017
Anthracene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzidine	ND	0.38		mg/Kg-dry	1	8/16/2017
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	8/16/2017
Benzoic acid	ND	0.95		mg/Kg-dry	1	8/16/2017
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/16/2017
Bis(2-ethylhexyl)phthalate	ND	0.95		mg/Kg-dry	1	8/16/2017
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/16/2017
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
Carbazole	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	8/16/2017
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/16/2017
Chrysene	ND	0.038		mg/Kg-dry	1	8/16/2017
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	8/16/2017
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/16/2017
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	8/16/2017
2,4-Dinitrophenol	ND	0.95		mg/Kg-dry	1	8/16/2017
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/16/2017
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	8/16/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-12

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 12:00:00 PM

Lab ID: 17080343-033B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/16/2017
Fluoranthene	0.068	0.038		mg/Kg-dry	1	8/16/2017
Fluorene	ND	0.038		mg/Kg-dry	1	8/16/2017
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/16/2017
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/16/2017
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/16/2017
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	8/16/2017
Isophorone	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Naphthalene	ND	0.038		mg/Kg-dry	1	8/16/2017
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	8/16/2017
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	8/16/2017
Nitrobenzene	ND	0.038		mg/Kg-dry	1	8/16/2017
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	8/16/2017
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/16/2017
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/16/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/16/2017
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	8/16/2017
Phenanthrene	0.040	0.038		mg/Kg-dry	1	8/16/2017
Phenol	ND	0.19		mg/Kg-dry	1	8/16/2017
Pyrene	0.056	0.038		mg/Kg-dry	1	8/16/2017
Pyridine	ND	0.77		mg/Kg-dry	1	8/16/2017
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/16/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	16000	20		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.0		mg/Kg-dry	10	8/15/2017
Arsenic	9.3	1.0		mg/Kg-dry	10	8/15/2017
Barium	69	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	1.0	0.51		mg/Kg-dry	10	8/15/2017

Qualifiers:

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E - Value above quantitation range

H - Holding time exceeded

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-12

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 12:00:00 PM

Lab ID: 17080343-033B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.51		mg/Kg-dry	10	8/15/2017
Calcium	58000	61		mg/Kg-dry	10	8/15/2017
Chromium	24	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	13	1.0		mg/Kg-dry	10	8/15/2017
Copper	28	2.5		mg/Kg-dry	10	8/15/2017
Iron	28000	30		mg/Kg-dry	10	8/15/2017
Lead	23	0.51		mg/Kg-dry	10	8/15/2017
Magnesium	36000	30		mg/Kg-dry	10	8/15/2017
Manganese	410	1.0		mg/Kg-dry	10	8/15/2017
Nickel	26	1.0		mg/Kg-dry	10	8/15/2017
Potassium	1400	30		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	5000	61		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	42	1.0		mg/Kg-dry	10	8/15/2017
Zinc	71	5.1		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	0.025	0.0040		mg/L	2	8/18/2017
Barium	0.046	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.016	0.0040		mg/L	2	8/18/2017
Cobalt	0.0063	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	12	0.10		mg/L	2	8/18/2017
Lead	0.010	0.0020		mg/L	2	8/18/2017
Manganese	0.18	0.0040		mg/L	2	8/18/2017
Nickel	0.017	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.041	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.52	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-12

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 12:00:00 PM

Lab ID: 17080343-033B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.045	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	9.7	0.25		mg/L	5	8/18/2017
Lead	0.021	0.0050		mg/L	5	8/18/2017
Manganese	9.8	0.010		mg/L	5	8/18/2017
Nickel	0.046	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	0.061	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	ND	0.020		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	10.2			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	13.8	0.2	*	wt%	1	8/15/2017

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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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-11

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 1:00:00 PM

Lab ID: 17080343-034A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/11/2017	Analyst: ERP
Acetone	ND	0.077		mg/Kg-dry	1	8/16/2017
Benzene	ND	0.0051		mg/Kg-dry	1	8/16/2017
Bromodichloromethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
Bromoform	ND	0.0051		mg/Kg-dry	1	8/16/2017
Bromomethane	ND	0.010		mg/Kg-dry	1	8/16/2017
2-Butanone	ND	0.077		mg/Kg-dry	1	8/16/2017
Carbon disulfide	ND	0.051		mg/Kg-dry	1	8/16/2017
Carbon tetrachloride	ND	0.0051		mg/Kg-dry	1	8/16/2017
Chlorobenzene	ND	0.0051		mg/Kg-dry	1	8/16/2017
Chloroethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Chloroform	ND	0.0051		mg/Kg-dry	1	8/16/2017
Chloromethane	ND	0.010		mg/Kg-dry	1	8/16/2017
Dibromochloromethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,2-Dichloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1-Dichloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
cis-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
trans-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,2-Dichloropropane	ND	0.0051		mg/Kg-dry	1	8/16/2017
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/16/2017
Ethylbenzene	ND	0.0051		mg/Kg-dry	1	8/16/2017
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/16/2017
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/16/2017
Methylene chloride	ND	0.010		mg/Kg-dry	1	8/16/2017
Methyl tert-butyl ether	ND	0.0051		mg/Kg-dry	1	8/16/2017
Styrene	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1,2,2-Tetrachloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
Tetrachloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
Toluene	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1,1-Trichloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
1,1,2-Trichloroethane	ND	0.0051		mg/Kg-dry	1	8/16/2017
Trichloroethene	ND	0.0051		mg/Kg-dry	1	8/16/2017
Vinyl chloride	ND	0.0051		mg/Kg-dry	1	8/16/2017
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/16/2017

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-11

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 1:00:00 PM

Lab ID: 17080343-034B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 8/14/2017		Analyst: DM

Acenaphthene	ND	0.039		mg/Kg-dry	1	8/16/2017
Acenaphthylene	ND	0.039		mg/Kg-dry	1	8/16/2017
Aniline	ND	0.40		mg/Kg-dry	1	8/16/2017
Anthracene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzidine	ND	0.39		mg/Kg-dry	1	8/16/2017
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	8/16/2017
Benzoic acid	ND	0.98		mg/Kg-dry	1	8/16/2017
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	8/16/2017
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	8/16/2017
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	8/16/2017
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/16/2017
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
Carbazole	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	8/16/2017
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	8/16/2017
Chrysene	ND	0.039		mg/Kg-dry	1	8/16/2017
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	8/16/2017
Dibenzofuran	ND	0.20		mg/Kg-dry	1	8/16/2017
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	8/16/2017
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	8/16/2017
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/16/2017
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	8/16/2017

Qualifiers:

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J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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

Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-11

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 1:00:00 PM

Lab ID: 17080343-034B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 8/14/2017 Analyst: DM

Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	8/16/2017
Fluoranthene	ND	0.039		mg/Kg-dry	1	8/16/2017
Fluorene	ND	0.039		mg/Kg-dry	1	8/16/2017
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	8/16/2017
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	8/16/2017
Hexachloroethane	ND	0.20		mg/Kg-dry	1	8/16/2017
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	8/16/2017
Isophorone	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Methylphenol	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Methylphenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Naphthalene	ND	0.039		mg/Kg-dry	1	8/16/2017
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	8/16/2017
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	8/16/2017
Nitrobenzene	ND	0.039		mg/Kg-dry	1	8/16/2017
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	8/16/2017
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	8/16/2017
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	8/16/2017
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	8/16/2017
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	8/16/2017
Phenanthrene	ND	0.039		mg/Kg-dry	1	8/16/2017
Phenol	ND	0.20		mg/Kg-dry	1	8/16/2017
Pyrene	ND	0.039		mg/Kg-dry	1	8/16/2017
Pyridine	ND	0.79		mg/Kg-dry	1	8/16/2017
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	8/16/2017

Metals by ICP/MS SW6020 (SW3050B) Prep Date: 8/11/2017 Analyst: JG

Aluminum	18000	21		mg/Kg-dry	10	8/15/2017
Antimony	ND	2.1		mg/Kg-dry	10	8/15/2017
Arsenic	12	1.0		mg/Kg-dry	10	8/15/2017
Barium	110	1.0		mg/Kg-dry	10	8/15/2017
Beryllium	1.2	0.52		mg/Kg-dry	10	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-11

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 1:00:00 PM

Lab ID: 17080343-034B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed

Metals by ICP/MS

SW6020 (SW3050B)

Prep Date: 8/11/2017

Analyst: JG

Cadmium	ND	0.52		mg/Kg-dry	10	8/15/2017
Calcium	70000	62		mg/Kg-dry	10	8/15/2017
Chromium	29	1.0		mg/Kg-dry	10	8/15/2017
Cobalt	17	1.0		mg/Kg-dry	10	8/15/2017
Copper	33	2.6		mg/Kg-dry	10	8/15/2017
Iron	35000	31		mg/Kg-dry	10	8/15/2017
Lead	33	0.52		mg/Kg-dry	10	8/15/2017
Magnesium	37000	31		mg/Kg-dry	10	8/15/2017
Manganese	800	1.0		mg/Kg-dry	10	8/15/2017
Nickel	40	1.0		mg/Kg-dry	10	8/15/2017
Potassium	2500	31		mg/Kg-dry	10	8/15/2017
Selenium	ND	1.0		mg/Kg-dry	10	8/15/2017
Silver	ND	1.0		mg/Kg-dry	10	8/15/2017
Sodium	590	62		mg/Kg-dry	10	8/15/2017
Thallium	ND	1.0		mg/Kg-dry	10	8/15/2017
Vanadium	38	1.0		mg/Kg-dry	10	8/15/2017
Zinc	85	5.2		mg/Kg-dry	10	8/15/2017

SPLP Metals by ICP/MS

SW1312/6020 (SW3005A)

Prep Date: 8/17/2017

Analyst: JG

Arsenic	0.0061	0.0040		mg/L	2	8/18/2017
Barium	0.045	0.020		mg/L	2	8/18/2017
Beryllium	ND	0.0020		mg/L	2	8/18/2017
Cadmium	ND	0.0020		mg/L	2	8/18/2017
Chromium	0.015	0.0040		mg/L	2	8/18/2017
Cobalt	0.0051	0.0040		mg/L	2	8/18/2017
Copper	ND	0.040		mg/L	2	8/18/2017
Iron	12	0.10		mg/L	2	8/18/2017
Lead	0.0077	0.0020		mg/L	2	8/18/2017
Manganese	0.098	0.0040		mg/L	2	8/18/2017
Nickel	0.015	0.0040		mg/L	2	8/18/2017
Selenium	ND	0.0040		mg/L	2	8/18/2017
Silver	ND	0.0040		mg/L	2	8/18/2017
Zinc	0.047	0.020		mg/L	2	8/18/2017

TCLP Metals by ICP/MS

SW1311/6020 (SW3005A)

Prep Date: 8/18/2017

Analyst: JG

Arsenic	ND	0.010		mg/L	5	8/18/2017
Barium	0.66	0.050		mg/L	5	8/18/2017
Beryllium	ND	0.0050		mg/L	5	8/18/2017
Cadmium	ND	0.0050		mg/L	5	8/18/2017

Qualifiers:

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E - Value above quantitation range

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 2531V-DUP-11

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL Collection Date: 8/9/2017 1:00:00 PM

Lab ID: 17080343-034B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)		Prep Date: 8/18/2017		Analyst: JG	
Chromium	ND	0.010		mg/L	5	8/18/2017
Cobalt	0.028	0.010		mg/L	5	8/18/2017
Copper	ND	0.10		mg/L	5	8/18/2017
Iron	ND	0.25		mg/L	5	8/18/2017
Lead	ND	0.0050		mg/L	5	8/18/2017
Manganese	9.8	0.010		mg/L	5	8/18/2017
Nickel	0.021	0.010		mg/L	5	8/18/2017
Selenium	ND	0.010		mg/L	5	8/18/2017
Silver	ND	0.010		mg/L	5	8/18/2017
Zinc	ND	0.050		mg/L	5	8/18/2017
TCLP Mercury	SW1311/7470A		Prep Date: 8/18/2017		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	8/18/2017
SPLP Mercury	SW1312/7470A		Prep Date: 8/17/2017		Analyst: LB	
Mercury	ND	0.00025		mg/L	1	8/17/2017
Mercury	SW7471A		Prep Date: 8/15/2017		Analyst: LB	
Mercury	0.038	0.018		mg/Kg-dry	1	8/15/2017
pH (25 °C)	SW9045C		Prep Date: 8/16/2017		Analyst: RW	
pH	8.18			pH Units	1	8/16/2017
Percent Moisture	D2974		Prep Date: 8/14/2017		Analyst: KKA	
Percent Moisture	16.6	0.2	*	wt%	1	8/15/2017

Qualifiers:

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Report Date: August 19, 2017

Print Date: August 19, 2017

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: Trip Blank

Work Order: 17080343 Revision 0

Tag Number:

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

Collection Date:

Lab ID: 17080343-035A

Matrix: Trip Blank

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW8260B (SW5030B)		Prep Date:		Analyst: ERP
Acetone	ND	0.020		mg/L	1	8/15/2017
Benzene	ND	0.0050		mg/L	1	8/15/2017
Bromodichloromethane	ND	0.0050		mg/L	1	8/15/2017
Bromoform	ND	0.0050		mg/L	1	8/15/2017
Bromomethane	ND	0.010		mg/L	1	8/15/2017
2-Butanone	ND	0.020		mg/L	1	8/15/2017
Carbon disulfide	ND	0.010		mg/L	1	8/15/2017
Carbon tetrachloride	ND	0.0050		mg/L	1	8/15/2017
Chlorobenzene	ND	0.0050		mg/L	1	8/15/2017
Chloroethane	ND	0.010		mg/L	1	8/15/2017
Chloroform	ND	0.0050		mg/L	1	8/15/2017
Chloromethane	ND	0.010		mg/L	1	8/15/2017
Dibromochloromethane	ND	0.0050		mg/L	1	8/15/2017
1,1-Dichloroethane	ND	0.0050		mg/L	1	8/15/2017
1,2-Dichloroethane	ND	0.0050		mg/L	1	8/15/2017
1,1-Dichloroethene	ND	0.0050		mg/L	1	8/15/2017
cis-1,2-Dichloroethene	ND	0.0050		mg/L	1	8/15/2017
trans-1,2-Dichloroethene	ND	0.0050		mg/L	1	8/15/2017
1,2-Dichloropropane	ND	0.0050		mg/L	1	8/15/2017
cis-1,3-Dichloropropene	ND	0.0010		mg/L	1	8/15/2017
trans-1,3-Dichloropropene	ND	0.0010		mg/L	1	8/15/2017
Ethylbenzene	ND	0.0050		mg/L	1	8/15/2017
2-Hexanone	ND	0.020		mg/L	1	8/15/2017
4-Methyl-2-pentanone	ND	0.020		mg/L	1	8/15/2017
Methylene chloride	ND	0.0050		mg/L	1	8/15/2017
Methyl tert-butyl ether	ND	0.0050		mg/L	1	8/15/2017
Styrene	ND	0.0050		mg/L	1	8/15/2017
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/L	1	8/15/2017
Tetrachloroethene	ND	0.0050		mg/L	1	8/15/2017
Toluene	ND	0.0050		mg/L	1	8/15/2017
1,1,1-Trichloroethane	ND	0.0050		mg/L	1	8/15/2017
1,1,2-Trichloroethane	ND	0.0050		mg/L	1	8/15/2017
Trichloroethene	ND	0.0050		mg/L	1	8/15/2017
Vinyl chloride	ND	0.0020		mg/L	1	8/15/2017
Xylenes, Total	ND	0.015		mg/L	1	8/15/2017

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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CHAIN OF CUSTODY RECORD

N^o: 906979

Page: 1 of 2

Company: <u>Huck and Huck</u>		Client Tracking No.: <u> </u>	
Project Number: <u>81.0220509.04</u>		Project Name: <u>2531V-IL59 at US 20</u>	
Project Location: <u>Berthlet, IL</u>		Sampler(s): <u>Amendable Harrisville Adam K. Huck</u>	
Report To: <u>Dill Connolly</u>		Phone: <u>630-684-4400</u>	
Fax: <u> </u>		e-mail: <u>dill.connolly@929.com</u>	
QC Level: 1	2	3	4
Client Sample Number/Description:	Date Taken	Time Taken	Matrix
2531V-18-08 (0-1)	8/9/17	0908	S
2531V-43-01 (0-1)		1055	
2531V-43-02 (0-1)		0919	
2531V-43-03 (0-1)		0925	
2531V-43-08 (0-1)		0916	
2531V-43-04 (0-1)		0930	
2531V-55-01 (0-1)		1137	
2531V-55-02 (0-1)		1124	
2531V-56-01 (0-0)		1123	
2531V-56-02 (0-12)		1126	
2531V-56-04 (12-18)		1129	
2531V-56-02 (0-0)		1055	
2531V-56-02 (0-12)		1102	
2531V-56-02 (12-18)		1105	
2531V-56-03 (0-0)		1059	
2531V-56-03 (0-12)		1043	
2531V-56-03 (12-18)		1046	
2531V-56-04 (0-0)		1025	
2531V-56-04 (0-12)		1018	
2531V-56-04 (12-18)		1034	
Relinquished by: (Signature) <u>[Signature]</u>		Date/Time: <u>8/9/17 14:11</u>	
Received by: (Signature) <u>[Signature]</u>		Date/Time: <u>8/9/17 14:11</u>	
Relinquished by: (Signature) <u>[Signature]</u>		Date/Time: <u> </u>	
Received by: (Signature) <u>[Signature]</u>		Date/Time: <u> </u>	
Relinquished by: (Signature) <u>[Signature]</u>		Date/Time: <u> </u>	
Received by: (Signature) <u>[Signature]</u>		Date/Time: <u> </u>	

Quote No.:	
P.O. No.:	
Turn Around Time (Days):	1 2 3 4 5 7 10
Results Needed:	/ /
Additional Information:	Lab No.:
	001
	002
	003
	004
	005
	006
	007
	008
	009
	010
	011
	012
	013
	014
	015
	016
	017
	018
	019
	020

Laboratory Work Order No.: <u>170807073</u>	
Received on Ice: Yes ☒ No ☐	Temperature: <u>39</u> °C

Comments: <u>All corrections made on PMT on 8/9/17</u>	
Preservation Code: A = None B = HNO ₃ C = NaOH D = H ₂ SO ₄ E = HCl F = 5035/EnCore G = Other	

CHAIN OF CUSTODY RECORD

Company: Huff and Huff
Project Number: 81-022059.04 Client Tracking No.:
Project Name: 2531V-FL 59 at US20
Project Location: Bartlett, IL
Sampler(s): Armando Hermosillo, Adam Kittle
Report To: Jill Connolly Phone: 630-684-4410
Fax:

OC Level: 1 ____ 2 ____ 3 ____ 4 ____

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers
2531V-56-05 (0-6)	8/9/17	1003	S		X		0
2531V-56-05 (6-12)		1006					
2531V-56-05 (12-18)		1006					
2531V-56-06 (0-6)		0943					
2531V-56-06 (6-12)		0947					
2531V-56-06 (12-18)		0950					
2531V-56-07 (0-6)		0939					
2531V-56-07 (6-12)		0957					
2531V-56-07 (12-18)		0940					
2531V-DUP-10		1030					
2531V-DUP-14		1100					
2531V-DUP-13		0655					
2531V-DUP-12		1200					
2531V-DUP-11		1300					
trip blank							
time blank							

[illegible]

Relinquished by: (Signature)	Date/Time:
Received by: (Signature)	Date/Time: 3/19/17 16:11
Relinquished by: (Signature)	Date/Time:
Received by: (Signature)	Date/Time:
Relinquished by: (Signature)	Date/Time:
Received by: (Signature)	Date/Time:

Comments: All corrections made by PMT on 8/9/12	Laboratory Work Order No.: 17080343	Received on Ice: Yes ☒ No ☐	Temperature: 3.9 °C
	Preservation Code: A = None B = HNO ₃ C = NaOH D = H ₂ SO ₄ E = HCl F = 5035/EnCore G = Other		

Sample Receipt Checklist

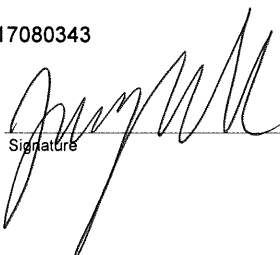
Client Name HUFF & HUFF

Date and Time Received: 8/9/2017 4:11:00 PM

Work Order Number 17080343

Received by: JNW

Checklist completed by:


Signature

8/9/17
Date

Reviewed by:

JNW
Initials

8/10/17
Date

Matrix:

Carrier name Client Delivered

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels/containers?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container or Temp Blank temperature in compliance?	Yes ☒	No ☐	Temperature 3.9 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☒	No ☐
Water - Samples pH checked?	Yes ☒	No ☐	Checked by: _____
Water - Samples properly preserved?	Yes ☒	No ☐	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments:

Client / Person

contacted: _____

Date contacted: _____

Contacted by: _____

Response: _____

STAT Analysis Corporation

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW5035/8260B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VBLK081517A-2	112	96.7	102	100				
VLCS081517A-2	117	98.5	97.7	100				
VLCSD081517A-2	119	96.0	98.4	97.4				
17080343-011A	117	96.2	97.2	113				
17080343-012A	117	94.9	95.2	110				
17080343-013A	116	94.5	94.0	109				
17080343-014A	115	95.5	95.2	110				
17080343-015A	116	97.2	96.2	111				
17080343-016A	119	96.7	98.4	105				
17080343-017A	119	95.3	96.7	107				
17080343-018A	113	98.2	96.4	113				
17080343-019A	118	94.5	101	112				
VBLK081617-2	119	95.8	99.5	102				
VLCSD081617-2	117	96.9	96.9	101				
VLCS081617R-2	117	96.5	99.8	100				
17080343-020A	119	97.5	96.5	113				
17080343-021A	122	96.7	95.9	108				
17080343-032A	114	97.3	94.2	116				
17080343-033A	121	98.7	95.6	118				
17080343-034A	119	96.1	99.5	111				
17080343-003A	116	95.8	98.3	109				
17080343-009A	116	95.1	97.3	107				
VBLK081517AB-3	98.7	97.5	105	108				
VLCS081517B-3	100	100	110	105				
VLCSD081517B-3	99.2	98.0	109	102				
17080343-001A	100	97.8	120	132				
17080343-002A	103	100	124	127				

Acronym

Surrogate

QC Limits

BR4FBZ	=	4-Bromofluorobenzene	58-122
BZMED8	=	Toluene-d8	73-122
DBFM	=	Dibromofluoromethane	65-131
DCA12D4	=	1,2-Dichloroethane-d4	71-143

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW5035/8260B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
17080343-004A	99.3	99.3	127	128				
17080343-005A	102	98.1	128	130				
17080343-006A	102	95.9	119	123				
17080343-007A	96.3	98.0	124	124				
17080343-008A	103	96.5	129	110				
17080343-010A	102	98.8	119	118				
VBLK081617-7	93.7	102	103	99.5				
VLCS081617-7	102	106	100	105				
VLCS081617-7	98.1	104	101	109				
17080343-022A	93.5	101	113	122				
17080343-023A	92.9	102	105	112				
17080343-024A	97.5	101	117	116				
17080343-025A	90.4	103	105	118				
17080343-026A	92.7	98.7	108	130				
17080343-027A	95.8	102	111	115				
17080343-028A	95.5	101	116	125				
17080343-029A	97.6	103	111	111				
17080343-030A	96.1	102	109	122				
17080343-031A	96.6	103	113	134				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	58-122
BZMED8	= Toluene-d8	73-122
DBFM	= Dibromofluoromethane	65-131
DCA12D4	= 1,2-Dichloroethane-d4	71-143

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134979

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3743348	BFB081517B-3	TUNE	BFB	R134979	1	08/15/2017 19:16
3743349	VSTD050R	CCV	VOC_ENCORE+	R134979	1	08/15/2017 20:14
3743350	VLK081517AB-3	MBLK	VOC_ENCORE+	R134979	1	08/15/2017 20:51
3743351	VLCS081517B-3	LCS	VOC_ENCORE+	R134979	1	08/15/2017 21:28
3743352	VLCS081517B-3	LCSD	VOC_ENCORE+	R134979	1	08/15/2017 22:05
3743353	17080286-039A	SAMP	VOC_5035	102378	1	08/15/2017 22:42
3743354	17080286-040A	SAMP	VOC_5035	102378	1	08/15/2017 23:19
3743369	17080286-041A	SAMP	VOC_5035	102378	1	08/15/2017 23:55
3743356	17080286-042A	SAMP	VOC_5035	102378	1	08/16/2017 00:31
3743357	17080286-043A	SAMP	VOC_5035	102378	1	08/16/2017 01:07
3743370	17080343-001A	SAMP	VOC_5035	102502	1	08/16/2017 01:42
3743359	17080343-002A	SAMP	VOC_5035	102502	1	08/16/2017 02:18
3743371	17080343-003A	SAMP	VOC_5035	102502	1	08/16/2017 02:54
3743372	17080343-004A	SAMP	VOC_5035	102502	1	08/16/2017 03:29
3743362	17080343-005A	SAMP	VOC_5035	102502	1	08/16/2017 04:05
3743373	17080343-006A	SAMP	VOC_5035	102502	1	08/16/2017 04:41
3743364	17080343-007A	SAMP	VOC_5035	102502	1	08/16/2017 05:16
3743365	17080343-008A	SAMP	VOC_5035	102502	1	08/16/2017 05:52
3743366	17080343-009A	SAMP	VOC_5035	102502	1	08/16/2017 06:28
3743367	17080343-010A	SAMP	VOC_5035	102502	1	08/16/2017 07:04

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
VBLK081517AB-3	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/15/2017			VOA-3_170815B		3743350	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
1,1-Dichloroethane	ND	0.0050									
1,1-Dichloroethene	ND	0.0050									
1,2-Dichloroethane	ND	0.0050									
1,2-Dichloropropane	ND	0.0050									
2-Butanone	ND	0.075									
2-Hexanone	ND	0.020									
4-Methyl-2-pentanone	ND	0.020									
Acetone	ND	0.075									
Benzene	ND	0.0050									
Bromodichloromethane	ND	0.0050									
Bromoform	ND	0.0050									
Bromomethane	ND	0.010									
Carbon disulfide	ND	0.050									
Carbon tetrachloride	ND	0.0050									
Chlorobenzene	ND	0.0050									
Chloroethane	ND	0.010									
Chloroform	ND	0.0050									
Chloromethane	ND	0.010									
cis-1,2-Dichloroethene	ND	0.0050									
cis-1,3-Dichloropropene	ND	0.0020									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134979

Sample ID: VLBK081517AB-3	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/15/2017	Run ID: VOA-3_170815B			SeqNo: 3743350		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Dibromochloromethane	ND	0.0050									
Ethylbenzene	ND	0.0050									
Methyl tert-butyl ether	ND	0.0050									
Methylene chloride	ND	0.010									
Styrene	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	0.00036	0.0050									J
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0020									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									
Xylenes, Total	ND	0.015									

Sample ID: VLCS081517B-3	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/15/2017	Run ID: VOA-3_170815B				SeqNo: 3743351		
Analyte		Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05562	0.0050	0.05	0	111	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.05089	0.0050	0.05	0	102	70	130	0	0		
1,1,2-Trichloroethane	0.04973	0.0050	0.05	0	99.5	70	130	0	0		
1,1-Dichloroethane	0.05365	0.0050	0.05	0	107	70	130	0	0		
1,1-Dichloroethene	0.05227	0.0050	0.05	0	105	70	130	0	0		
1,2-Dichloroethane	0.05257	0.0050	0.05	0	105	70	130	0	0		
1,2-Dichloropropane	0.05015	0.0050	0.05	0	100	70	130	0	0		
2-Butanone	0.1017	0.075	0.1	0	102	50	150	0	0		
2-Hexanone	0.09801	0.020	0.1	0	98	50	150	0	0		
4-Methyl-2-pentanone	0.1	0.020	0.1	0	100	50	150	0	0		
Acetone	0.1104	0.075	0.1	0	110	50	150	0	0		
Benzene	0.05065	0.0050	0.05	0	101	70	130	0	0		
Bromodichloromethane	0.0509	0.0050	0.05	0	102	70	130	0	0		
Bromoform	0.05251	0.0050	0.05	0	105	70	130	0	0		
Bromomethane	0.05014	0.010	0.05	0	100	50	150	0	0		
Carbon disulfide	0.1091	0.050	0.1	0	109	70	130	0	0		
Carbon tetrachloride	0.05807	0.0050	0.05	0	116	70	130	0	0		
Chlorobenzene	0.05252	0.0050	0.05	0	105	70	130	0	0		
Chloroethane	0.05111	0.010	0.05	0	102	70	130	0	0		
Chloroform	0.05352	0.0050	0.05	0	107	70	130	0	0		
Chloromethane	0.0542	0.010	0.05	0	108	70	130	0	0		
cis-1,2-Dichloroethene	0.05267	0.0050	0.05	0	105	70	130	0	0		
cis-1,3-Dichloropropene	0.04889	0.0020	0.05	0	97.8	70	130	0	0		
Dibromochloromethane	0.05501	0.0050	0.05	0	110	70	130	0	0		
Ethylbenzene	0.05402	0.0050	0.05	0	108	70	130	0	0		
Methyl tert-butyl ether	0.05578	0.0050	0.05	0	112	70	130	0	0		
Methylene chloride	0.05223	0.010	0.05	0	104	70	130	0	0		
Styrene	0.05442	0.0050	0.05	0	109	70	130	0	0		
Tetrachloroethene	0.0583	0.0050	0.05	0	117	70	130	0	0		
Toluene	0.04827	0.0050	0.05	0.00036	95.8	70	130	0	0		
trans-1,2-Dichloroethene	0.05591	0.0050	0.05	0	112	70	130	0	0		
trans-1,3-Dichloropropene	0.05026	0.0020	0.05	0	101	70	130	0	0		
Trichloroethene	0.05294	0.0050	0.05	0	106	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134979

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLCS081517B-3	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/15/2017	VOA-3_170815B			3743351		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Vinyl chloride	0.05242	0.0050	0.05	0	105	70	130	0	0		
Xylenes, Total	0.1618	0.015	0.15	0	108	70	130	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
VLCS081517B-3	ZZZZZ	LCSD	mg/Kg	SW5035/8260B		8/15/2017		VOA-3_170815B		3743352		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05677	0.0050	0.05	0	114	70	130	0.05562	2.05	20	
1,1,2,2-Tetrachloroethane	0.05121	0.0050	0.05	0	102	70	130	0.05089	0.627	20	
1,1,2-Trichloroethane	0.05244	0.0050	0.05	0	105	70	130	0.04973	5.30	20	
1,1-Dichloroethane	0.05571	0.0050	0.05	0	111	70	130	0.05365	3.77	20	
1,1-Dichloroethene	0.05287	0.0050	0.05	0	106	70	130	0.05227	1.14	20	
1,2-Dichloroethane	0.05403	0.0050	0.05	0	108	70	130	0.05257	2.74	20	
1,2-Dichloropropane	0.05243	0.0050	0.05	0	105	70	130	0.05015	4.45	20	
2-Butanone	0.1081	0.075	0.1	0	108	50	150	0.1017	6.07	20	
2-Hexanone	0.1001	0.020	0.1	0	100	50	150	0.09801	2.13	20	
4-Methyl-2-pentanone	0.1023	0.020	0.1	0	102	50	150	0.1	2.19	20	
Acetone	0.1132	0.075	0.1	0	113	50	150	0.1104	2.46	20	
Benzene	0.05186	0.0050	0.05	0	104	70	130	0.05065	2.36	20	
Bromodichloromethane	0.05266	0.0050	0.05	0	105	70	130	0.0509	3.40	20	
Bromoform	0.0537	0.0050	0.05	0	107	70	130	0.05251	2.24	20	
Bromomethane	0.05112	0.010	0.05	0	102	50	150	0.05014	1.94	20	
Carbon disulfide	0.1093	0.050	0.1	0	109	70	130	0.1091	0.201	20	
Carbon tetrachloride	0.05747	0.0050	0.05	0	115	70	130	0.05807	1.04	20	
Chlorobenzene	0.05364	0.0050	0.05	0	107	70	130	0.05252	2.11	20	
Chloroethane	0.05033	0.010	0.05	0	101	70	130	0.05111	1.54	20	
Chloroform	0.05309	0.0050	0.05	0	106	70	130	0.05352	0.807	20	
Chloromethane	0.05343	0.010	0.05	0	107	70	130	0.0542	1.43	20	
cis-1,2-Dichloroethene	0.05102	0.0050	0.05	0	102	70	130	0.05267	3.18	20	
cis-1,3-Dichloropropene	0.04912	0.0020	0.05	0	98.2	70	130	0.04889	0.469	20	
Dibromochloromethane	0.05721	0.0050	0.05	0	114	70	130	0.05501	3.92	20	
Ethylbenzene	0.05485	0.0050	0.05	0	110	70	130	0.05402	1.52	20	
Methyl tert-butyl ether	0.05697	0.0050	0.05	0	114	70	130	0.05578	2.11	20	
Methylene chloride	0.05499	0.010	0.05	0	110	70	130	0.05223	5.15	20	
Styrene	0.05424	0.0050	0.05	0	108	70	130	0.05442	0.331	20	
Tetrachloroethene	0.05851	0.0050	0.05	0	117	70	130	0.0583	0.360	20	
Toluene	0.04924	0.0050	0.05	0.00036	97.8	70	130	0.04827	1.99	20	
trans-1,2-Dichloroethene	0.05537	0.0050	0.05	0	111	70	130	0.05591	0.971	20	
trans-1,3-Dichloropropene	0.05196	0.0020	0.05	0	104	70	130	0.05026	3.33	20	
Trichloroethene	0.05351	0.0050	0.05	0	107	70	130	0.05294	1.07	20	
Vinyl chloride	0.05194	0.0050	0.05	0	104	70	130	0.05242	0.920	20	
Xylenes, Total	0.164	0.015	0.15	0	109	70	130	0.1618	1.34	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134981

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3743438	BFB081617-7	TUNE	BFB	R134981	1	08/16/2017 08:00
3743440	VSTD050	CCV	VOC_ENCORE+	R134981	1	08/16/2017 08:24
3743441	VLK081617-7	MBLK	VOC_ENCORE+	R134981	1	08/16/2017 08:58
3743442	VLCS081617-7	LCS	VOC_ENCORE+	R134981	1	08/16/2017 09:32
3743443	VLCS081617-7	LCSD	VOC_ENCORE+	R134981	1	08/16/2017 10:07
3743444	17080343-022A	SAMP	VOC_5035	102502	1	08/16/2017 10:42
3744346	17080343-023A	SAMP	VOC_5035	102502	1	08/16/2017 11:17
3744356	17080343-024A	SAMP	VOC_5035	102502	1	08/16/2017 11:52
3744436	17080343-025A	SAMP	VOC_5035	102502	1	08/16/2017 12:27
3744471	17080343-026A	SAMP	VOC_5035	102502	1	08/16/2017 13:02
3744472	17080343-027A	SAMP	VOC_5035	102502	1	08/16/2017 13:38
3744661	17080343-028A	SAMP	VOC_5035	102502	1	08/16/2017 14:14
3744662	17080343-029A	SAMP	VOC_5035	102502	1	08/16/2017 14:49
3744720	17080343-030A	SAMP	VOC_5035	102502	1	08/16/2017 15:25
3744749	17080343-031A	SAMP	VOC_5035	102502	1	08/16/2017 16:01
3744825	17080538-001A	SAMP	F-LIST_VOC	102533	1	08/16/2017 16:37
3745093	17080265-001A	SAMP	VOC_5035	102412	1	08/16/2017 17:13
3745095	17080265-011A	SAMP	VOC_5035	102412	1	08/16/2017 17:48
3745098	17080321-011A	RA	VOC_5035	102412	1	08/16/2017 18:24

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
VBLK081617-7	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/16/2017	VOA-7_170816A				3743441	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.075									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone		ND	0.075									
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide		ND	0.050									
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0020									
Dibromochloromethane		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134981

Sample ID: VBLK081617-7	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/16/2017	Run ID: VOA-7_170816A			SeqNo: 3743441		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Ethylbenzene	ND	0.0050
Methyl tert-butyl ether	ND	0.0050
Methylene chloride	ND	0.010
Styrene	ND	0.0050
Tetrachloroethene	ND	0.0050
Toluene	ND	0.0050
trans-1,2-Dichloroethene	ND	0.0050
trans-1,3-Dichloropropene	ND	0.0020
Trichloroethene	ND	0.0050
Vinyl chloride	ND	0.0050
Xylenes, Total	ND	0.015

Sample ID: VLCS081617-7	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/16/2017	Run ID: VOA-7_170816A	SeqNo: 3743442			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05118	0.0050	0.05	0	102	70	130	0	0
1,1,2,2-Tetrachloroethane	0.05615	0.0050	0.05	0	112	70	130	0	0
1,1,2-Trichloroethane	0.05397	0.0050	0.05	0	108	70	130	0	0
1,1-Dichloroethane	0.05346	0.0050	0.05	0	107	70	130	0	0
1,1-Dichloroethene	0.04992	0.0050	0.05	0	99.8	70	130	0	0
1,2-Dichloroethane	0.0566	0.0050	0.05	0	113	70	130	0	0
1,2-Dichloropropane	0.05653	0.0050	0.05	0	113	70	130	0	0
2-Butanone	0.09599	0.075	0.1	0	96	50	150	0	0
2-Hexanone	0.1003	0.020	0.1	0	100	50	150	0	0
4-Methyl-2-pentanone	0.1116	0.020	0.1	0	112	50	150	0	0
Acetone	0.09952	0.075	0.1	0	99.5	50	150	0	0
Benzene	0.05492	0.0050	0.05	0	110	70	130	0	0
Bromodichloromethane	0.05541	0.0050	0.05	0	111	70	130	0	0
Bromoform	0.05356	0.0050	0.05	0	107	70	130	0	0
Bromomethane	0.0567	0.010	0.05	0	113	50	150	0	0
Carbon disulfide	0.1053	0.050	0.1	0	105	70	130	0	0
Carbon tetrachloride	0.05437	0.0050	0.05	0	109	70	130	0	0
Chlorobenzene	0.05298	0.0050	0.05	0	106	70	130	0	0
Chloroethane	0.05786	0.010	0.05	0	116	70	130	0	0
Chloroform	0.05307	0.0050	0.05	0	106	70	130	0	0
Chloromethane	0.05758	0.010	0.05	0	115	70	130	0	0
cis-1,2-Dichloroethene	0.0526	0.0050	0.05	0	105	70	130	0	0
cis-1,3-Dichloropropene	0.05301	0.0020	0.05	0	106	70	130	0	0
Dibromochloromethane	0.05372	0.0050	0.05	0	107	70	130	0	0
Ethylbenzene	0.05204	0.0050	0.05	0	104	70	130	0	0
Methyl tert-butyl ether	0.05548	0.0050	0.05	0	111	70	130	0	0
Methylene chloride	0.05013	0.010	0.05	0	100	70	130	0	0
Styrene	0.05413	0.0050	0.05	0	108	70	130	0	0
Tetrachloroethene	0.05098	0.0050	0.05	0	102	70	130	0	0
Toluene	0.0545	0.0050	0.05	0	109	70	130	0	0
trans-1,2-Dichloroethene	0.05203	0.0050	0.05	0	104	70	130	0	0
trans-1,3-Dichloropropene	0.05395	0.0020	0.05	0	108	70	130	0	0
Trichloroethene	0.04942	0.0050	0.05	0	98.8	70	130	0	0
Vinyl chloride	0.05729	0.0050	0.05	0	115	70	130	0	0

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134981

Sample ID: VLCS081617-7	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/16/2017	Run ID: VOA-7_170816A			SeqNo: 3743442		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Xylenes, Total	0.1581	0.015	0.15	0	105	70	130	0	0			

Sample ID: VLCS081617-7	Customer ID: ZZZZZ	SampType: LCSD	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/16/2017	Run ID: VOA-7_170816A			SeqNo: 3743443		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.04904	0.0050	0.05	0	98.1	70	130	0.05118	4.27	20
1,1,1,2,2-Tetrachloroethane	0.05462	0.0050	0.05	0	109	70	130	0.05615	2.76	20
1,1,2-Trichloroethane	0.05107	0.0050	0.05	0	102	70	130	0.05397	5.52	20
1,1-Dichloroethane	0.05253	0.0050	0.05	0	105	70	130	0.05346	1.75	20
1,1-Dichloroethene	0.04844	0.0050	0.05	0	96.9	70	130	0.04992	3.01	20
1,2-Dichloroethane	0.05266	0.0050	0.05	0	105	70	130	0.0566	7.21	20
1,2-Dichloropropane	0.05114	0.0050	0.05	0	102	70	130	0.05653	10.0	20
2-Butanone	0.09756	0.075	0.1	0	97.6	50	150	0.09599	1.62	20
2-Hexanone	0.09954	0.020	0.1	0	99.5	50	150	0.1003	0.791	20
4-Methyl-2-pentanone	0.1044	0.020	0.1	0	104	50	150	0.1116	6.69	20
Acetone	0.09924	0.075	0.1	0	99.2	50	150	0.09952	0.282	20
Benzene	0.05065	0.0050	0.05	0	101	70	130	0.05492	8.09	20
Bromodichloromethane	0.05154	0.0050	0.05	0	103	70	130	0.05541	7.24	20
Bromoform	0.05226	0.0050	0.05	0	105	70	130	0.05356	2.46	20
Bromomethane	0.05522	0.010	0.05	0	110	50	150	0.0567	2.64	20
Carbon disulfide	0.1011	0.050	0.1	0	101	70	130	0.1053	4.11	20
Carbon tetrachloride	0.05029	0.0050	0.05	0	101	70	130	0.05437	7.80	20
Chlorobenzene	0.04952	0.0050	0.05	0	99	70	130	0.05298	6.75	20
Chloroethane	0.05365	0.010	0.05	0	107	70	130	0.05786	7.55	20
Chloroform	0.05124	0.0050	0.05	0	102	70	130	0.05307	3.51	20
Chloromethane	0.0573	0.010	0.05	0	115	70	130	0.05758	0.487	20
cis-1,2-Dichloroethene	0.04887	0.0050	0.05	0	97.7	70	130	0.0526	7.35	20
cis-1,3-Dichloropropene	0.05048	0.0020	0.05	0	101	70	130	0.05301	4.89	20
Dibromochloromethane	0.05455	0.0050	0.05	0	109	70	130	0.05372	1.53	20
Ethylbenzene	0.05034	0.0050	0.05	0	101	70	130	0.05204	3.32	20
Methyl tert-butyl ether	0.05552	0.0050	0.05	0	111	70	130	0.05548	0.0721	20
Methylene chloride	0.04976	0.010	0.05	0	99.5	70	130	0.05013	0.741	20
Styrene	0.05115	0.0050	0.05	0	102	70	130	0.05413	5.66	20
Tetrachloroethene	0.04637	0.0050	0.05	0	92.7	70	130	0.05098	9.47	20
Toluene	0.05037	0.0050	0.05	0	101	70	130	0.0545	7.88	20
trans-1,2-Dichloroethene	0.0517	0.0050	0.05	0	103	70	130	0.05203	0.636	20
trans-1,3-Dichloropropene	0.05136	0.0020	0.05	0	103	70	130	0.05395	4.92	20
Trichloroethene	0.04539	0.0050	0.05	0	90.8	70	130	0.04942	8.50	20
Vinyl chloride	0.05317	0.0050	0.05	0	106	70	130	0.05729	7.46	20
Xylenes, Total	0.1492	0.015	0.15	0	99.5	70	130	0.1581	5.77	20

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134982

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3743445	BFB081517A-2	TUNE	BFB	R134982	1	08/15/2017 20:54
3743447	VSTD050R	CCV	VOC_ENCORE+	R134982	1	08/15/2017 22:01
3743448	VLK081517A-2	MBLK	VOC_ENCORE+	R134982	1	08/15/2017 22:38
3743449	VLCS081517A-2	LCS	VOC_ENCORE+	R134982	1	08/15/2017 23:16
3743450	VLCS081517A-2	LCSD	VOC_ENCORE+	R134982	1	08/15/2017 23:53
3743452	17080286-017A	SAMP	VOC_5035	102533	1	08/16/2017 00:30
3743455	17080509-001A	SAMP	F-LIST_VOC	102533	1	08/16/2017 01:07
3744161	17080509-001A	SAMP	BTEX_5035	102533	1	08/16/2017 01:07
3743458	17080343-011A	SAMP	VOC_5035	102502	1	08/16/2017 01:44
3743459	17080343-012A	SAMP	VOC_5035	102502	1	08/16/2017 02:20
3743577	17080343-013A	SAMP	VOC_5035	102502	1	08/16/2017 02:57
3743603	17080343-014A	SAMP	VOC_5035	102502	1	08/16/2017 03:34
3743641	17080343-015A	SAMP	VOC_5035	102502	1	08/16/2017 04:10
3743669	17080343-016A	SAMP	VOC_5035	102502	1	08/16/2017 04:47
3743670	17080343-017A	SAMP	VOC_5035	102502	1	08/16/2017 05:24
3743674	17080343-018A	SAMP	VOC_5035	102502	1	08/16/2017 06:00
3743697	17080343-019A	SAMP	VOC_5035	102502	1	08/16/2017 06:37

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:			SeqNo:
VBLK081517A-2	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/15/2017			VOA-2_170815B			3743448
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.075									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone	0.00627		0.075									J
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide		ND	0.050									
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0020									
Dibromochloromethane		ND	0.0050									
Ethylbenzene		ND	0.0050									
Methyl tert-butyl ether		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134982

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLBK081517A-2	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/15/2017	VOA-2_170815B			3743448		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Methylene chloride	ND	0.010
Styrene	ND	0.0050
Tetrachloroethene	ND	0.0050
Toluene	ND	0.0050
trans-1,2-Dichloroethene	ND	0.0050
trans-1,3-Dichloropropene	ND	0.0020
Trichloroethene	ND	0.0050
Vinyl chloride	ND	0.0050
Xylenes, Total	ND	0.015

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLCS081517A-2	ZZZZZ	LCS	mg/Kg	SW5035/8260B		8/15/2017	VOA-2_170815B			3743449		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.04945	0.0050	0.05	0	98.9	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.05375	0.0050	0.05	0	108	70	130	0	0		
1,1,2-Trichloroethane	0.05102	0.0050	0.05	0	102	70	130	0	0		
1,1-Dichloroethane	0.03968	0.0050	0.05	0	79.4	70	130	0	0		
1,1-Dichloroethene	0.0403	0.0050	0.05	0	80.6	70	130	0	0		
1,2-Dichloroethane	0.05422	0.0050	0.05	0	108	70	130	0	0		
1,2-Dichloropropane	0.04116	0.0050	0.05	0	82.3	70	130	0	0		
2-Butanone	0.08359	0.075	0.1	0	83.6	50	150	0	0		
2-Hexanone	0.07702	0.020	0.1	0	77	50	150	0	0		
4-Methyl-2-pentanone	0.07251	0.020	0.1	0	72.5	50	150	0	0		
Acetone	0.07569	0.075	0.1	0.00627	69.4	50	150	0	0		
Benzene	0.04299	0.0050	0.05	0	86	70	130	0	0		
Bromodichloromethane	0.05023	0.0050	0.05	0	100	70	130	0	0		
Bromoform	0.06242	0.0050	0.05	0	125	70	130	0	0		
Bromomethane	0.02891	0.010	0.05	0	57.8	50	150	0	0		
Carbon disulfide	0.07548	0.050	0.1	0	75.5	70	130	0	0		
Carbon tetrachloride	0.05095	0.0050	0.05	0	102	70	130	0	0		
Chlorobenzene	0.05324	0.0050	0.05	0	106	70	130	0	0		
Chloroethane	0.0364	0.010	0.05	0	72.8	70	130	0	0		
Chloroform	0.04408	0.0050	0.05	0	88.2	70	130	0	0		
Chloromethane	0.03329	0.010	0.05	0	66.6	70	130	0	0		S
cis-1,2-Dichloroethene	0.04475	0.0050	0.05	0	89.5	70	130	0	0		
cis-1,3-Dichloropropene	0.04729	0.0020	0.05	0	94.6	70	130	0	0		
Dibromochloromethane	0.06064	0.0050	0.05	0	121	70	130	0	0		
Ethylbenzene	0.04836	0.0050	0.05	0	96.7	70	130	0	0		
Methyl tert-butyl ether	0.04701	0.0050	0.05	0	94	70	130	0	0		
Methylene chloride	0.03187	0.010	0.05	0	63.7	70	130	0	0		S
Styrene	0.05432	0.0050	0.05	0	109	70	130	0	0		
Tetrachloroethene	0.0534	0.0050	0.05	0	107	70	130	0	0		
Toluene	0.04782	0.0050	0.05	0	95.6	70	130	0	0		
trans-1,2-Dichloroethene	0.04231	0.0050	0.05	0	84.6	70	130	0	0		
trans-1,3-Dichloropropene	0.05377	0.0020	0.05	0	108	70	130	0	0		
Trichloroethene	0.04545	0.0050	0.05	0	90.9	70	130	0	0		
Vinyl chloride	0.0341	0.0050	0.05	0	68.2	70	130	0	0		S
Xylenes, Total	0.1591	0.015	0.15	0	106	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134982

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:	
VLCS081517A-2	ZZZZZ	LCSD	mg/Kg	SW5035/8260B		8/15/2017	VOA-2_170815B			3743450	
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.04687	0.0050	0.05	0	93.7	70	130	0.04945	5.36	20	
1,1,2,2-Tetrachloroethane	0.05453	0.0050	0.05	0	109	70	130	0.05375	1.44	20	
1,1,2-Trichloroethane	0.05104	0.0050	0.05	0	102	70	130	0.05102	0.0392	20	
1,1-Dichloroethane	0.03778	0.0050	0.05	0	75.6	70	130	0.03968	4.91	20	
1,1-Dichloroethene	0.03984	0.0050	0.05	0	79.7	70	130	0.0403	1.15	20	
1,2-Dichloroethane	0.05313	0.0050	0.05	0	106	70	130	0.05422	2.03	20	
1,2-Dichloropropane	0.04019	0.0050	0.05	0	80.4	70	130	0.04116	2.38	20	
2-Butanone	0.07939	0.075	0.1	0	79.4	50	150	0.08359	5.15	20	
2-Hexanone	0.07808	0.020	0.1	0	78.1	50	150	0.07702	1.37	20	
4-Methyl-2-pentanone	0.0708	0.020	0.1	0	70.8	50	150	0.07251	2.39	20	
Acetone	0.07358	0.075	0.1	0.00627	67.3	50	150	0.07569	0	20	J
Benzene	0.04159	0.0050	0.05	0	83.2	70	130	0.04299	3.31	20	
Bromodichloromethane	0.04854	0.0050	0.05	0	97.1	70	130	0.05023	3.42	20	
Bromoform	0.06304	0.0050	0.05	0	126	70	130	0.06242	0.988	20	
Bromomethane	0.03333	0.010	0.05	0	66.7	50	150	0.02891	14.2	20	
Carbon disulfide	0.07408	0.050	0.1	0	74.1	70	130	0.07548	1.87	20	
Carbon tetrachloride	0.04792	0.0050	0.05	0	95.8	70	130	0.05095	6.13	20	
Chlorobenzene	0.05314	0.0050	0.05	0	106	70	130	0.05324	0.188	20	
Chloroethane	0.03479	0.010	0.05	0	69.6	70	130	0.0364	4.52	20	S
Chloroform	0.04369	0.0050	0.05	0	87.4	70	130	0.04408	0.889	20	
Chloromethane	0.03655	0.010	0.05	0	73.1	70	130	0.03329	9.34	20	
cis-1,2-Dichloroethene	0.0427	0.0050	0.05	0	85.4	70	130	0.04475	4.69	20	
cis-1,3-Dichloropropene	0.04481	0.0020	0.05	0	89.6	70	130	0.04729	5.39	20	
Dibromochloromethane	0.06162	0.0050	0.05	0	123	70	130	0.06064	1.60	20	
Ethylbenzene	0.0475	0.0050	0.05	0	95	70	130	0.04836	1.79	20	
Methyl tert-butyl ether	0.04677	0.0050	0.05	0	93.5	70	130	0.04701	0.512	20	
Methylene chloride	0.03066	0.010	0.05	0	61.3	70	130	0.03187	3.87	20	S
Styrene	0.05405	0.0050	0.05	0	108	70	130	0.05432	0.498	20	
Tetrachloroethene	0.0515	0.0050	0.05	0	103	70	130	0.0534	3.62	20	
Toluene	0.04647	0.0050	0.05	0	92.9	70	130	0.04782	2.86	20	
trans-1,2-Dichloroethene	0.04236	0.0050	0.05	0	84.7	70	130	0.04231	0.118	20	
trans-1,3-Dichloropropene	0.05443	0.0020	0.05	0	109	70	130	0.05377	1.22	20	
Trichloroethene	0.04288	0.0050	0.05	0	85.8	70	130	0.04545	5.82	20	
Vinyl chloride	0.03659	0.0050	0.05	0	73.2	70	130	0.0341	7.04	20	
Xylenes, Total	0.1567	0.015	0.15	0	104	70	130	0.1591	1.54	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134991

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3744438	BFB081617-2	TUNE	BFB	R134991	1	08/16/2017 07:25
3744439	VSTD050	CCV	VOC_ENCORE+	R134991	1	08/16/2017 07:55
3744440	VLK081617-2	MBLK	VOC_ENCORE+	R134991	1	08/16/2017 08:33
3744441	VLCS081617-2	LCSD	VOC_ENCORE+	R134991	1	08/16/2017 09:50
3744442	VLCS081617R-2	LCS	VOC_ENCORE+	R134991	1	08/16/2017 10:30
3744443	17080286-037A	SAMP	VOC_5035	102378	1	08/16/2017 11:10
3744444	17080286-038A	SAMP	VOC_5035	102378	1	08/16/2017 11:48
3744445	17080343-020A	SAMP	VOC_5035	102502	1	08/16/2017 12:25
3744446	17080343-021A	SAMP	VOC_5035	102502	1	08/16/2017 13:02
3744476	17080343-032A	SAMP	VOC_5035	102502	1	08/16/2017 13:38
3744493	17080343-033A	SAMP	VOC_5035	102502	1	08/16/2017 14:14
3744614	17080343-034A	SAMP	VOC_5035	102502	1	08/16/2017 14:51
3744706	17080343-003A	SAMP	VOC_5035	102556	1	08/16/2017 15:28
3744750	17080343-009A	SAMP	VOC_5035	102556	1	08/16/2017 16:05
3744826	17080541-001A	SAMP	VOC_5035	102606	1	08/16/2017 17:10
3744829	17080323-002A	SAMP	BTEX_5035	102473	1	08/16/2017 17:48
3744900	17080323-001A	SAMP	BTEX_5035	102473	1	08/16/2017 18:27

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:			SeqNo:
VBLK081617-2	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		8/16/2017			VOA-2_170816A			3744440
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.075									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone	0.00372		0.075									J
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide		ND	0.050									
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0020									
Dibromochloromethane		ND	0.0050									
Ethylbenzene		ND	0.0050									
Methyl tert-butyl ether		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134991

Sample ID: VLBK081617-2	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/16/2017	Run ID: VOA-2_170816A			SeqNo: 3744440		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Methylene chloride	ND	0.010
Styrene	ND	0.0050
Tetrachloroethene	ND	0.0050
Toluene	ND	0.0050
trans-1,2-Dichloroethene	ND	0.0050
trans-1,3-Dichloropropene	ND	0.0020
Trichloroethene	ND	0.0050
Vinyl chloride	ND	0.0050
Xylenes, Total	ND	0.015

Sample ID: VLCS081617R-2	Customer ID: ZZZZZ	SampType: LCS	Units: mg/Kg	TestNo: SW5035/8260B	Prep Date:	Analysis Date: 8/16/2017	Run ID: VOA-2_170816A			SeqNo: 3744442		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.05793	0.0050	0.05	0	116	70	130	0	0
1,1,2,2-Tetrachloroethane	0.05518	0.0050	0.05	0	110	70	130	0	0
1,1,2-Trichloroethane	0.05325	0.0050	0.05	0	106	70	130	0	0
1,1-Dichloroethane	0.04352	0.0050	0.05	0	87	70	130	0	0
1,1-Dichloroethene	0.04838	0.0050	0.05	0	96.8	70	130	0	0
1,2-Dichloroethane	0.05579	0.0050	0.05	0	112	70	130	0	0
1,2-Dichloropropane	0.0422	0.0050	0.05	0	84.4	70	130	0	0
2-Butanone	0.08617	0.075	0.1	0	86.2	50	150	0	0
2-Hexanone	0.07606	0.020	0.1	0	76.1	50	150	0	0
4-Methyl-2-pentanone	0.07155	0.020	0.1	0	71.6	50	150	0	0
Acetone	0.07712	0.075	0.1	0.00372	73.4	50	150	0	0
Benzene	0.04735	0.0050	0.05	0	94.7	70	130	0	0
Bromodichloromethane	0.05223	0.0050	0.05	0	104	70	130	0	0
Bromoform	0.06272	0.0050	0.05	0	125	70	130	0	0
Bromomethane	0.04022	0.010	0.05	0	80.4	50	150	0	0
Carbon disulfide	0.09129	0.050	0.1	0	91.3	70	130	0	0
Carbon tetrachloride	0.05931	0.0050	0.05	0	119	70	130	0	0
Chlorobenzene	0.05819	0.0050	0.05	0	116	70	130	0	0
Chloroethane	0.04602	0.010	0.05	0	92	70	130	0	0
Chloroform	0.05056	0.0050	0.05	0	101	70	130	0	0
Chloromethane	0.04245	0.010	0.05	0	84.9	70	130	0	0
cis-1,2-Dichloroethene	0.04902	0.0050	0.05	0	98	70	130	0	0
cis-1,3-Dichloropropene	0.04813	0.0020	0.05	0	96.3	70	130	0	0
Dibromochloromethane	0.06439	0.0050	0.05	0	129	70	130	0	0
Ethylbenzene	0.05542	0.0050	0.05	0	111	70	130	0	0
Methyl tert-butyl ether	0.04924	0.0050	0.05	0	98.5	70	130	0	0
Methylene chloride	0.03654	0.010	0.05	0	73.1	70	130	0	0
Styrene	0.05895	0.0050	0.05	0	118	70	130	0	0
Tetrachloroethene	0.06358	0.0050	0.05	0	127	70	130	0	0
Toluene	0.0525	0.0050	0.05	0	105	70	130	0	0
trans-1,2-Dichloroethene	0.04892	0.0050	0.05	0	97.8	70	130	0	0
trans-1,3-Dichloropropene	0.05679	0.0020	0.05	0	114	70	130	0	0
Trichloroethene	0.05163	0.0050	0.05	0	103	70	130	0	0
Vinyl chloride	0.04844	0.0050	0.05	0	96.9	70	130	0	0
Xylenes, Total	0.1793	0.015	0.15	0	120	70	130	0	0

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134991

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:	
VLCS081617-2	ZZZZZ	LCS0	mg/Kg	SW5035/8260B		8/16/2017	VOA-2_170816A			3744441	
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.05592	0.0050	0.05	0	112	70	130	0.05793	3.53	20	
1,1,2,2-Tetrachloroethane	0.05717	0.0050	0.05	0	114	70	130	0.05518	3.54	20	
1,1,2-Trichloroethane	0.05491	0.0050	0.05	0	110	70	130	0.05325	3.07	20	
1,1-Dichloroethane	0.04295	0.0050	0.05	0	85.9	70	130	0.04352	1.32	20	
1,1-Dichloroethene	0.04733	0.0050	0.05	0	94.7	70	130	0.04838	2.19	20	
1,2-Dichloroethane	0.05677	0.0050	0.05	0	114	70	130	0.05579	1.74	20	
1,2-Dichloropropane	0.04186	0.0050	0.05	0	83.7	70	130	0.0422	0.809	20	
2-Butanone	0.07979	0.075	0.1	0	79.8	50	150	0.08617	7.69	20	
2-Hexanone	0.07766	0.020	0.1	0	77.7	50	150	0.07606	2.08	20	
4-Methyl-2-pentanone	0.0711	0.020	0.1	0	71.1	50	150	0.07155	0.631	20	
Acetone	0.07299	0.075	0.1	0.00372	69.3	50	150	0.07712	0	20	J
Benzene	0.04657	0.0050	0.05	0	93.1	70	130	0.04735	1.66	20	
Bromodichloromethane	0.05217	0.0050	0.05	0	104	70	130	0.05223	0.115	20	
Bromoform	0.06787	0.0050	0.05	0	136	70	130	0.06272	7.89	20	S
Bromomethane	0.03738	0.010	0.05	0	74.8	50	150	0.04022	7.32	20	
Carbon disulfide	0.0872	0.050	0.1	0	87.2	70	130	0.09129	4.58	20	
Carbon tetrachloride	0.05825	0.0050	0.05	0	116	70	130	0.05931	1.80	20	
Chlorobenzene	0.05905	0.0050	0.05	0	118	70	130	0.05819	1.47	20	
Chloroethane	0.04332	0.010	0.05	0	86.6	70	130	0.04602	6.04	20	
Chloroform	0.04791	0.0050	0.05	0	95.8	70	130	0.05056	5.38	20	
Chloromethane	0.03967	0.010	0.05	0	79.3	70	130	0.04245	6.77	20	
cis-1,2-Dichloroethene	0.04855	0.0050	0.05	0	97.1	70	130	0.04902	0.963	20	
cis-1,3-Dichloropropene	0.04744	0.0020	0.05	0	94.9	70	130	0.04813	1.44	20	
Dibromochloromethane	0.06583	0.0050	0.05	0	132	70	130	0.06439	2.21	20	S
Ethylbenzene	0.05477	0.0050	0.05	0	110	70	130	0.05542	1.18	20	
Methyl tert-butyl ether	0.04912	0.0050	0.05	0	98.2	70	130	0.04924	0.244	20	
Methylene chloride	0.03387	0.010	0.05	0	67.7	70	130	0.03654	7.58	20	S
Styrene	0.05942	0.0050	0.05	0	119	70	130	0.05895	0.794	20	
Tetrachloroethene	0.0627	0.0050	0.05	0	125	70	130	0.06358	1.39	20	
Toluene	0.05091	0.0050	0.05	0	102	70	130	0.0525	3.08	20	
trans-1,2-Dichloroethene	0.04786	0.0050	0.05	0	95.7	70	130	0.04892	2.19	20	
trans-1,3-Dichloropropene	0.05794	0.0020	0.05	0	116	70	130	0.05679	2.00	20	
Trichloroethene	0.05051	0.0050	0.05	0	101	70	130	0.05163	2.19	20	
Vinyl chloride	0.04482	0.0050	0.05	0	89.6	70	130	0.04844	7.76	20	
Xylenes, Total	0.1779	0.015	0.15	0	119	70	130	0.1793	0.778	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW8260B **Matrix:** W

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VBLK081517-4	97.2	102	109	107				
VLCS081517-4	102	103	109	108				
VLCS081417A-4	98.1	104	110	102				
17080343-035A	99.2	102	111	104				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	79-114
BZMED8	= Toluene-d8	91-109
DBFM	= Dibromofluoromethane	85-123
DCA12D4	= 1,2-Dichloroethane-d4	86-119

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134950

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3742256	BFB081517-4	TUNE	BFB	R134950	1	08/15/2017 07:40
3742257	VSTD020R	CCV	VOC_W+	R134950	1	08/15/2017 08:39
3742258	VLK081517-4	MBLK	VOC_W+	R134950	1	08/15/2017 09:18
3742259	VLCS081517-4	LCS	VOC_W+	R134950	1	08/15/2017 09:56
3742260	VLCS081417A-4	LCSD	VOC_W+	R134950	1	08/15/2017 10:35
3742261	17080281-011A	SAMP	VOC_W	R134950	1	08/15/2017 11:14
3742275	17080281-012A	SAMP	VOC_W	R134950	1	08/15/2017 11:52
3742276	17080281-013A	SAMP	VOC_W	R134950	1	08/15/2017 12:30
3742277	17080281-018A	SAMP	VOC_W	R134950	1	08/15/2017 13:07
3742300	17080281-018A	SAMP	VOC_W	R134950	10	08/15/2017 13:44
3742343	ZBLK081417	MBLK	VOC_TCLP+	R134950	10	08/15/2017 14:22
3742522	17080442-001A	SAMP	VOC_TCLP	R134950	10	08/15/2017 14:59
3742524	17080444-001A	SAMP	VOC_TCLP	R134950	10	08/15/2017 15:36
3742663	17080434-001A	SAMP	VOC_TCLP	R134950	10	08/15/2017 16:13
3742664	17080343-035A	SAMP	VOC_W	R134950	1	08/15/2017 16:55
3743055	17080281-010A	SAMP	VOC_W	R134950	50	08/15/2017 17:32
3743056	17080281-010A	SAMP	VOC_W	R134950	5	08/15/2017 18:07

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
VBLK081517-4	ZZZZZ	MBLK	mg/L	SW8260B		8/15/2017		VOA-4_170815A			3742258	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.0050									
1,1,2,2-Tetrachloroethane		ND	0.0050									
1,1,2-Trichloroethane		ND	0.0050									
1,1-Dichloroethane		ND	0.0050									
1,1-Dichloroethene		ND	0.0050									
1,2-Dichloroethane		ND	0.0050									
1,2-Dichloropropane		ND	0.0050									
2-Butanone		ND	0.020									
2-Hexanone		ND	0.020									
4-Methyl-2-pentanone		ND	0.020									
Acetone	0.00814		0.020									J
Benzene		ND	0.0050									
Bromodichloromethane		ND	0.0050									
Bromoform		ND	0.0050									
Bromomethane		ND	0.010									
Carbon disulfide		ND	0.010									
Carbon tetrachloride		ND	0.0050									
Chlorobenzene		ND	0.0050									
Chloroethane		ND	0.010									
Chloroform		ND	0.0050									
Chloromethane		ND	0.010									
cis-1,2-Dichloroethene		ND	0.0050									
cis-1,3-Dichloropropene		ND	0.0010									
Dibromochloromethane		ND	0.0050									
Ethylbenzene		ND	0.0050									
Methyl tert-butyl ether		ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134950

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
VLBK081517-4	ZZZZZ	MBLK	mg/L	SW8260B		8/15/2017	VOA-4_170815A			3742258		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Methylene chloride	ND	0.0050									
Styrene	ND	0.0050									
Tetrachloroethene	0.00128	0.0050									J
Toluene	ND	0.0050									
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0010									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0020									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
VLCS081517-4	ZZZZZ	LCS	mg/L	SW8260B		8/15/2017			VOA-4_170815A		3742259	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	0.02062	0.0050	0.02	0	103	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.02428	0.0050	0.02	0	121	70	130	0	0		
1,1,2-Trichloroethane	0.0238	0.0050	0.02	0	119	70	130	0	0		
1,1-Dichloroethane	0.02225	0.0050	0.02	0	111	70	130	0	0		
1,1-Dichloroethene	0.02176	0.0050	0.02	0	109	70	130	0	0		
1,2-Dichloroethane	0.02173	0.0050	0.02	0	109	70	130	0	0		
1,2-Dichloropropane	0.0217	0.0050	0.02	0	108	70	130	0	0		
2-Butanone	0.05369	0.020	0.04	0	134	50	150	0	0		
2-Hexanone	0.05016	0.020	0.04	0	125	50	150	0	0		
4-Methyl-2-pentanone	0.04787	0.020	0.04	0	120	50	150	0	0		
Acetone	0.06304	0.020	0.04	0.00814	137	50	150	0	0		
Benzene	0.02132	0.0050	0.02	0	107	70	130	0	0		
Bromodichloromethane	0.02051	0.0050	0.02	0	103	70	130	0	0		
Bromoform	0.02193	0.0050	0.02	0	110	70	130	0	0		
Bromomethane	0.02192	0.010	0.02	0	110	50	150	0	0		
Carbon disulfide	0.04475	0.010	0.04	0	112	70	130	0	0		
Carbon tetrachloride	0.02079	0.0050	0.02	0	104	70	130	0	0		
Chlorobenzene	0.02201	0.0050	0.02	0	110	70	130	0	0		
Chloroethane	0.02438	0.010	0.02	0	122	70	130	0	0		
Chloroform	0.02184	0.0050	0.02	0	109	70	130	0	0		
Chloromethane	0.02448	0.010	0.02	0	122	70	130	0	0		
cis-1,2-Dichloroethene	0.02144	0.0050	0.02	0	107	70	130	0	0		
cis-1,3-Dichloropropene	0.02111	0.0010	0.02	0	106	70	130	0	0		
Dibromochloromethane	0.02328	0.0050	0.02	0	116	70	130	0	0		
Ethylbenzene	0.02087	0.0050	0.02	0	104	70	130	0	0		
Methyl tert-butyl ether	0.02308	0.0050	0.02	0	115	70	130	0	0		
Methylene chloride	0.0226	0.0050	0.02	0	113	70	130	0	0		
Styrene	0.02105	0.0050	0.02	0	105	70	130	0	0		
Tetrachloroethene	0.02184	0.0050	0.02	0.00128	103	70	130	0	0		
Toluene	0.02118	0.0050	0.02	0	106	70	130	0	0		
trans-1,2-Dichloroethene	0.02178	0.0050	0.02	0	109	70	130	0	0		
trans-1,3-Dichloropropene	0.0226	0.0010	0.02	0	113	70	130	0	0		
Trichloroethene	0.02116	0.0050	0.02	0	106	70	130	0	0		
Vinyl chloride	0.02377	0.0020	0.02	0	119	70	130	0	0		
Xylenes, Total	0.06171	0.015	0.06	0	103	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Volatiles

BatchID: R134950

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:	
VLCS081417A-4	ZZZZZ	LCSD	mg/L	SW8260B		8/15/2017	VOA-4_170815A			3742260	
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.02119	0.0050	0.02	0	106	70	130	0.02062	2.73	20	
1,1,2,2-Tetrachloroethane	0.02483	0.0050	0.02	0	124	70	130	0.02428	2.24	20	
1,1,2-Trichloroethane	0.02264	0.0050	0.02	0	113	70	130	0.0238	5.00	20	
1,1-Dichloroethane	0.02378	0.0050	0.02	0	119	70	130	0.02225	6.65	20	
1,1-Dichloroethene	0.02318	0.0050	0.02	0	116	70	130	0.02176	6.32	20	
1,2-Dichloroethane	0.02176	0.0050	0.02	0	109	70	130	0.02173	0.138	20	
1,2-Dichloropropane	0.02237	0.0050	0.02	0	112	70	130	0.0217	3.04	20	
2-Butanone	0.05593	0.020	0.04	0	140	50	150	0.05369	4.09	20	
2-Hexanone	0.04999	0.020	0.04	0	125	50	150	0.05016	0.339	20	
4-Methyl-2-pentanone	0.04927	0.020	0.04	0	123	50	150	0.04787	2.88	20	
Acetone	0.06702	0.020	0.04	0.00814	147	50	150	0.06304	6.12	20	
Benzene	0.02172	0.0050	0.02	0	109	70	130	0.02132	1.86	20	
Bromodichloromethane	0.02099	0.0050	0.02	0	105	70	130	0.02051	2.31	20	
Bromoform	0.02171	0.0050	0.02	0	109	70	130	0.02193	1.01	20	
Bromomethane	0.02331	0.010	0.02	0	117	50	150	0.02192	6.15	20	
Carbon disulfide	0.04764	0.010	0.04	0	119	70	130	0.04475	6.26	20	
Carbon tetrachloride	0.02186	0.0050	0.02	0	109	70	130	0.02079	5.02	20	
Chlorobenzene	0.02217	0.0050	0.02	0	111	70	130	0.02201	0.724	20	
Chloroethane	0.02571	0.010	0.02	0	129	70	130	0.02438	5.31	20	
Chloroform	0.02218	0.0050	0.02	0	111	70	130	0.02184	1.54	20	
Chloromethane	0.02652	0.010	0.02	0	133	70	130	0.02448	8.00	20	S
cis-1,2-Dichloroethene	0.02216	0.0050	0.02	0	111	70	130	0.02144	3.30	20	
cis-1,3-Dichloropropene	0.02161	0.0010	0.02	0	108	70	130	0.02111	2.34	20	
Dibromochloromethane	0.02308	0.0050	0.02	0	115	70	130	0.02328	0.863	20	
Ethylbenzene	0.02144	0.0050	0.02	0	107	70	130	0.02087	2.69	20	
Methyl tert-butyl ether	0.02274	0.0050	0.02	0	114	70	130	0.02308	1.48	20	
Methylene chloride	0.02341	0.0050	0.02	0	117	70	130	0.0226	3.52	20	
Styrene	0.02096	0.0050	0.02	0	105	70	130	0.02105	0.428	20	
Tetrachloroethene	0.02259	0.0050	0.02	0.00128	107	70	130	0.02184	3.38	20	
Toluene	0.02161	0.0050	0.02	0	108	70	130	0.02118	2.01	20	
trans-1,2-Dichloroethene	0.02268	0.0050	0.02	0	113	70	130	0.02178	4.05	20	
trans-1,3-Dichloropropene	0.022	0.0010	0.02	0	110	70	130	0.0226	2.69	20	
Trichloroethene	0.02112	0.0050	0.02	0	106	70	130	0.02116	0.189	20	
Vinyl chloride	0.02526	0.0020	0.02	0	126	70	130	0.02377	6.08	20	
Xylenes, Total	0.06198	0.015	0.06	0	103	70	130	0.06171	0.437	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

STAT Analysis Corporation

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW8270C **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
17080343-031B	63.8	67.4	63.2	95.1	54.4	66.9	80.2	86.2
17080343-032B	62.5	68.1	65.3	96.7	52.5	63.9	77.9	90.3
17080343-033B	43.4	43.5	43.2	65.0	38.1	44.2	51.9	60.7
17080343-034B	60.9	57.8	60.8	87.4	51.6	61.5	69.2	81.2
17080375-006BMS	55.7	62.5	58.7	95.8	46.8	55.6	75.2	77.4
17080375-006BMSD	51.2	56.3	53.6	83.5	43.2	51.0	66.5	68.8
MB-102496-SVOC	76.2	77.9	77.3	94.9	73.7	75.9	81.4	72.0
MB-102512-SVOC	87.8	90.9	89.6	113	87.8	87.6	93.2	88.5
MB-102514-SVOC	88.2	91.1	90.9	116	88.7	89.6	99.4	87.7
LCS-102496-SVOC	83.1	82.5	84.6	104	78.3	84.6	90.5	78.8
LCS-102512-SVOC	84.4	86.0	84.8	111	83.2	86.6	89.7	83.9
LCS-102514-SVOC	71.2	72.3	73.1	98.1	71.0	74.1	81.2	75.3
17080343-016B	72.0	72.1	73.4	102	67.9	74.5	82.6	80.5
17080343-017B	80.7	80.4	82.8	118	77.4	83.0	93.1	91.2
17080343-018B	70.7	70.4	72.9	96.3	67.8	74.6	72.1	74.6
17080343-019B	72.4	71.4	71.3	101	72.4	73.9	77.5	83.4
17080343-020B	79.4	79.7	79.6	110	79.0	82.7	85.1	85.3
17080343-021B	75.6	77.9	75.8	103	72.5	78.1	83.6	83.1
17080343-022B	69.5	68.7	68.5	97.2	65.7	71.6	78.4	78.4
17080343-023B	74.5	76.7	75.9	111	73.1	77.0	83.3	78.4
17080343-024B	64.7	66.9	68.1	91.0	66.6	69.7	74.0	69.7
17080343-025B	66.2	64.6	68.4	97.0	61.6	69.0	72.1	80.3
17080343-026B	72.9	72.8	73.9	99.9	69.1	73.9	79.7	75.7
17080343-027B	63.3	63.9	65.6	95.4	62.4	66.3	68.5	74.8
17080343-028B	73.7	72.6	73.2	108	71.9	77.9	83.6	79.9
17080343-029B	66.3	65.2	68.3	98.8	63.1	70.0	79.8	78.9
17080343-029BMS	72.4	70.1	74.7	105	70.0	75.3	82.1	86.6

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL
Test No: SW8270C **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
17080343-029BMSD	85.2	82.2	86.5	110	80.8	85.1	90.9	88.2
17080343-030B	97.3	96.2	95.8	109	94.9	98.3	110	95.2
17080444-001AMS	74.1	72.8	84.6	94.6	60.8	79.1	76.1	89.9
17080444-001AMSD	56.5	57.9	66.9	69.5	46.6	60.0	66.4	66.8
17080343-001B	66.0	67.0	76.4	71.2	61.9	71.6	71.9	91.1
17080343-002B	75.8	73.9	85.4	98.7	75.2	78.1	68.3	65.9
17080343-003B	66.7	69.7	80.6	74.3	71.1	72.6	72.1	94.2
17080343-004B	53.7	53.1	62.4	65.5	54.4	56.6	58.7	50.4
17080343-005B	69.1	67.2	78.7	86.5	67.9	73.2	62.0	79.9
17080343-006B	72.0	72.8	84.6	89.1	72.0	77.2	72.2	73.4
17080343-007B	61.0	62.5	71.0	69.2	58.7	63.6	64.8	63.8
17080343-008B	76.2	72.4	84.1	95.7	75.3	76.9	76.9	74.5
17080343-009B	57.7	60.6	69.5	73.1	61.4	61.2	65.4	68.5
17080343-010B	73.6	74.6	84.0	83.5	69.4	75.9	76.1	71.0
17080343-011B	59.1	61.9	70.8	80.6	60.4	64.5	63.2	76.5
17080343-012B	70.7	72.2	80.5	87.0	68.7	75.3	74.6	72.0
17080343-013B	64.4	64.6	73.8	87.3	64.0	69.5	74.8	80.5
17080343-014B	69.8	68.0	78.3	85.1	68.0	75.1	74.4	95.9
17080343-015B	65.1	63.1	74.5	71.8	64.8	70.7	69.8	84.5

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

*** Surrogate recovery outside acceptance limits**

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT
GCMS Semivolatiles
BatchID: 102496

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-102496-SVOC			0.03	0	0	1	33.333	8/12/2017	8/12/2017
LCS-102496-SVOC			0.03	0	0	1	33.333	8/12/2017	8/12/2017
17080328-006B	Soil		0.03016	0	0	1	33.156	8/12/2017	8/12/2017
17080343-001B	Soil		0.03021	0	0	1	33.102	8/12/2017	8/12/2017
17080343-002B	Soil		0.03012	0	0	1	33.201	8/12/2017	8/12/2017
17080343-003B	Soil		0.03029	0	0	1	33.014	8/12/2017	8/12/2017
17080343-004B	Soil		0.03034	0	0	1	32.960	8/12/2017	8/12/2017
17080343-005B	Soil		0.03025	0	0	1	33.058	8/12/2017	8/12/2017
17080343-006B	Soil		0.03022	0	0	1	33.091	8/12/2017	8/12/2017
17080343-007B	Soil		0.03018	0	0	1	33.135	8/12/2017	8/12/2017
17080343-008B	Soil		0.03014	0	0	1	33.179	8/12/2017	8/12/2017
17080343-009B	Soil		0.00233	0	0	1	429.185	8/12/2017	8/12/2017
17080343-010B	Soil		0.03027	0	0	1	33.036	8/12/2017	8/12/2017
17080343-011B	Soil		0.03036	0	0	1	32.938	8/12/2017	8/12/2017
17080343-012B	Soil		0.03029	0	0	1	33.014	8/12/2017	8/12/2017
17080409-001A	Soil		0.03058	0	0	1	32.701	8/12/2017	8/12/2017
17080413-002A	Soil		0.03065	0	0	1	32.626	8/12/2017	8/12/2017
17080442-001A	Aqueous		0.01009	0	0	1	99.108	8/12/2017	8/12/2017
17080444-001A	Soil		0.03042	0	0	1	32.873	8/12/2017	8/12/2017
17080435-001B	Soil		0.03028	0	0	1	33.025	8/12/2017	8/12/2017
17080435-002B	Soil		0.03032	0	0	1	32.982	8/12/2017	8/12/2017
17080435-003B	Soil		0.03024	0	0	1	33.069	8/12/2017	8/12/2017
17080444-001AMS	Soil		0.03042	0	0	1	32.873	8/12/2017	8/12/2017
17080444-001AMSD	Soil		0.03043	0	0	1	32.862	8/12/2017	8/12/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102496-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/12/2017	8/15/2017	SVOC-7_170815A				3743377	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene		ND	0.033									
Acenaphthylene		ND	0.033									
Aniline		ND	0.33									
Anthracene		ND	0.033									
Benz(a)anthracene		ND	0.033									
Benzidine		ND	0.33									
Benzo(a)pyrene		ND	0.033									
Benzo(b)fluoranthene		ND	0.033									
Benzo(g,h,i)perylene		ND	0.033									
Benzo(k)fluoranthene		ND	0.033									
Benzoic acid		ND	0.83									
Benzyl alcohol		ND	0.17									
Bis(2-chloroethoxy)methane		ND	0.17									
Bis(2-chloroethyl)ether		ND	0.17									
Bis(2-ethylhexyl)phthalate		ND	0.83									
4-Bromophenyl phenyl ether		ND	0.17									
Butyl benzyl phthalate		ND	0.17									
Carbazole		ND	0.17									
4-Chloroaniline		ND	0.17									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102496

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102496-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/12/2017	8/15/2017	SVOC-7_170815A				3743377	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33
2-Chloronaphthalene	ND	0.17
2-Chlorophenol	ND	0.17
4-Chlorophenyl phenyl ether	ND	0.17
Chrysene	ND	0.033
Dibenz(a,h)anthracene	ND	0.033
Dibenzofuran	ND	0.17
1,2-Dichlorobenzene	ND	0.17
1,3-Dichlorobenzene	ND	0.17
1,4-Dichlorobenzene	ND	0.17
3,3'-Dichlorobenzidine	ND	0.17
2,4-Dichlorophenol	ND	0.17
Diethyl phthalate	ND	0.17
2,4-Dimethylphenol	ND	0.17
Dimethyl phthalate	ND	0.17
4,6-Dinitro-2-methylphenol	ND	0.33
2,4-Dinitrophenol	ND	0.83
2,4-Dinitrotoluene	ND	0.033
2,6-Dinitrotoluene	ND	0.033
Di-n-butyl phthalate	ND	0.17
Di-n-octyl phthalate	ND	0.17
Fluoranthene	ND	0.033
Fluorene	ND	0.033
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.17
Hexachloroethane	ND	0.17
Indeno(1,2,3-cd)pyrene	ND	0.033
Isophorone	ND	0.17
2-Methylnaphthalene	ND	0.17
2-Methylphenol	ND	0.17
4-Methylphenol	ND	0.17
Naphthalene	ND	0.033
2-Nitroaniline	ND	0.17
3-Nitroaniline	ND	0.17
4-Nitroaniline	ND	0.17
2-Nitrophenol	ND	0.17
4-Nitrophenol	ND	0.33
Nitrobenzene	ND	0.033
N-Nitrosodi-n-propylamine	ND	0.033
N-Nitrosodimethylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
2, 2'-oxybis(1-Chloropropane)	ND	0.17
Pentachlorophenol	ND	0.067
Phenanthrene	ND	0.033
Phenol	ND	0.17
Pyrene	ND	0.033
Pyridine	ND	0.67
1,2,4-Trichlorobenzene	ND	0.17

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102496

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102496-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/12/2017	8/15/2017	SVOC-7_170815A				3743377	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-Trichlorophenol

ND

0.17

2,4,6-Trichlorophenol

ND

0.17

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
LCS-102496-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	8/12/2017	8/15/2017		SVOC-7_170815A		3743387		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.303

0.033

1.667

0

78.1

37

134

0

0

4-Chloro-3-methylphenol

2.767

0.33

3.333

0

83

29

134

0

0

2-Chlorophenol

2.662

0.17

3.333

0

79.9

29

105

0

0

1,4-Dichlorobenzene

1.272

0.17

1.667

0

76.3

26

111

0

0

2,4-Dinitrotoluene

1.348

0.033

1.667

0

80.9

46

125

0

0

4-Nitrophenol

2.944

0.33

3.333

0

88.3

12

146

0

0

N-Nitrosodi-n-propylamine

1.265

0.033

1.667

0

75.9

29

109

0

0

Pentachlorophenol

3.314

0.067

3.333

0

99.4

10

192

0

0

Phenol

2.605

0.17

3.333

0

78.2

27

104

0

0

Pyrene

1.204

0.033

1.667

0

72.2

42

148

0

0

1,2,4-Trichlorobenzene

1.329

0.17

1.667

0

79.7

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080444-001AMS	ZZZZZ	MS	mg/Kg	SW8270C	8/12/2017	8/15/2017		SVOC-8_170815A		3742351		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.243

0.033

1.644

0

75.6

24

139

0

0

4-Chloro-3-methylphenol

2.579

0.33

3.287

0

78.5

28

121

0

0

2-Chlorophenol

2.314

0.17

3.287

0

70.4

21

102

0

0

1,4-Dichlorobenzene

1.08

0.17

1.644

0

65.7

27

95

0

0

2,4-Dinitrotoluene

1.312

0.033

1.644

0

79.8

32

127

0

0

4-Nitrophenol

3.039

0.33

3.287

0

92.5

10

156

0

0

N-Nitrosodi-n-propylamine

1.224

0.033

1.644

0

74.4

16

122

0

0

Pentachlorophenol

2.518

0.066

3.287

0

76.6

10

204

0

0

Phenol

2.422

0.17

3.287

0

73.7

20

103

0

0

Pyrene

1.372

0.033

1.644

0.03978

81

10

184

0

0

1,2,4-Trichlorobenzene

1.145

0.17

1.644

0

69.7

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080444-001AMSD	ZZZZZ	MSD	mg/Kg	SW8270C	8/12/2017	8/15/2017	SVOC-8_170815A				3742352	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

0.9938

0.033

1.643

0

60.5

24

139

1.243

22.3

57

4-Chloro-3-methylphenol

2.141

0.33

3.286

0

65.2

28

121

2.579

18.6

88

2-Chlorophenol

1.794

0.17

3.286

0

54.6

21

102

2.314

25.3

49

1,4-Dichlorobenzene

0.8426

0.17

1.643

0

51.3

27

95

1.08

24.7

43

2,4-Dinitrotoluene

1.076

0.033

1.643

0

65.4

32

127

1.312

19.8

37

4-Nitrophenol

2.473

0.33

3.286

0

75.2

10

156

3.039

20.6

56

N-Nitrosodi-n-propylamine

0.9993

0.033

1.643

0

60.8

16

122

1.224

20.2

47

Pentachlorophenol

2.034

0.066

3.286

0

61.9

10

204

2.518

21.3

47

Phenol

1.893

0.17

3.286

0

57.6

20

103

2.422

24.5

66

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT
GCMS Semivolatiles
BatchID: 102512

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-102512-SVOC			0.03	0	0	1	33.333	8/14/2017	8/14/2017
LCS-102512-SVOC			0.03	0	0	1	33.333	8/14/2017	8/14/2017
17080343-013B	Soil		0.03022	0	0	1	33.091	8/14/2017	8/14/2017
17080343-014B	Soil		0.0303	0	0	1	33.003	8/14/2017	8/14/2017
17080343-015B	Soil		0.03014	0	0	1	33.179	8/14/2017	8/14/2017
17080343-016B	Soil		0.03003	0	0	1	33.300	8/14/2017	8/14/2017
17080343-017B	Soil		0.0301	0	0	1	33.223	8/14/2017	8/14/2017
17080343-018B	Soil		0.03029	0	0	1	33.014	8/14/2017	8/14/2017
17080343-019B	Soil		0.03007	0	0	1	33.256	8/14/2017	8/14/2017
17080343-020B	Soil		0.03006	0	0	1	33.267	8/14/2017	8/14/2017
17080343-021B	Soil		0.0303	0	0	1	33.003	8/14/2017	8/14/2017
17080343-022B	Soil		0.03011	0	0	1	33.212	8/14/2017	8/14/2017
17080343-023B	Soil		0.03007	0	0	1	33.256	8/14/2017	8/14/2017
17080343-024B	Soil		0.03047	0	0	1	32.819	8/14/2017	8/14/2017
17080343-025B	Soil		0.03001	0	0	1	33.322	8/14/2017	8/14/2017
17080343-026B	Soil		0.03016	0	0	1	33.156	8/14/2017	8/14/2017
17080343-027B	Soil		0.03041	0	0	1	32.884	8/14/2017	8/14/2017
17080343-028B	Soil		0.03026	0	0	1	33.047	8/14/2017	8/14/2017
17080343-029B	Soil		0.03026	0	0	1	33.047	8/14/2017	8/14/2017
17080343-030B	Soil		0.03009	0	0	10	332.336	8/14/2017	8/14/2017
17080343-031B	Soil		0.03025	0	0	1	33.058	8/14/2017	8/14/2017
17080343-032B	Soil		0.03032	0	0	1	32.982	8/14/2017	8/14/2017
17080343-029BMS	Soil		0.03026	0	0	1	33.047	8/14/2017	8/14/2017
17080343-029BMSD	Soil		0.03026	0	0	1	33.047	8/14/2017	8/14/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102512-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/14/2017	8/15/2017	SVOC-7_170815A				3743379	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene		ND	0.033									
Acenaphthylene		ND	0.033									
Aniline		ND	0.33									
Anthracene		ND	0.033									
Benz(a)anthracene		ND	0.033									
Benzidine		ND	0.33									
Benzo(a)pyrene		ND	0.033									
Benzo(b)fluoranthene		ND	0.033									
Benzo(g,h,i)perylene		ND	0.033									
Benzo(k)fluoranthene		ND	0.033									
Benzoic acid		ND	0.83									
Benzyl alcohol		ND	0.17									
Bis(2-chloroethoxy)methane		ND	0.17									
Bis(2-chloroethyl)ether		ND	0.17									
Bis(2-ethylhexyl)phthalate		ND	0.83									
4-Bromophenyl phenyl ether		ND	0.17									
Butyl benzyl phthalate		ND	0.17									
Carbazole		ND	0.17									
4-Chloroaniline		ND	0.17									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102512

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
MB-102512-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/14/2017	8/15/2017	SVOC-7_170815A			3743379		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33
2-Chloronaphthalene	ND	0.17
2-Chlorophenol	ND	0.17
4-Chlorophenyl phenyl ether	ND	0.17
Chrysene	ND	0.033
Dibenz(a,h)anthracene	ND	0.033
Dibenzofuran	ND	0.17
1,2-Dichlorobenzene	ND	0.17
1,3-Dichlorobenzene	ND	0.17
1,4-Dichlorobenzene	ND	0.17
3,3'-Dichlorobenzidine	ND	0.17
2,4-Dichlorophenol	ND	0.17
Diethyl phthalate	ND	0.17
2,4-Dimethylphenol	ND	0.17
Dimethyl phthalate	ND	0.17
4,6-Dinitro-2-methylphenol	ND	0.33
2,4-Dinitrophenol	ND	0.83
2,4-Dinitrotoluene	ND	0.033
2,6-Dinitrotoluene	ND	0.033
Di-n-butyl phthalate	ND	0.17
Di-n-octyl phthalate	ND	0.17
Fluoranthene	ND	0.033
Fluorene	ND	0.033
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.17
Hexachloroethane	ND	0.17
Indeno(1,2,3-cd)pyrene	ND	0.033
Isophorone	ND	0.17
2-Methylnaphthalene	ND	0.17
2-Methylphenol	ND	0.17
4-Methylphenol	ND	0.17
Naphthalene	ND	0.033
2-Nitroaniline	ND	0.17
3-Nitroaniline	ND	0.17
4-Nitroaniline	ND	0.17
2-Nitrophenol	ND	0.17
4-Nitrophenol	ND	0.33
Nitrobenzene	ND	0.033
N-Nitrosodi-n-propylamine	ND	0.033
N-Nitrosodimethylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
2, 2'-oxybis(1-Chloropropane)	ND	0.17
Pentachlorophenol	ND	0.067
Phenanthrene	ND	0.033
Phenol	ND	0.17
Pyrene	ND	0.033
Pyridine	ND	0.67
1,2,4-Trichlorobenzene	ND	0.17

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102512

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
MB-102512-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/14/2017	8/15/2017			SVOC-7_170815A		3743379	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-Trichlorophenol

ND

0.17

2,4,6-Trichlorophenol

ND

0.17

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
LCS-102512-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	8/14/2017	8/15/2017		SVOC-7_170815A		3743389		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.392

0.033

1.667

0

83.5

37

134

0

0

4-Chloro-3-methylphenol

2.873

0.33

3.333

0

86.2

29

134

0

0

2-Chlorophenol

2.782

0.17

3.333

0

83.5

29

105

0

0

1,4-Dichlorobenzene

1.297

0.17

1.667

0

77.8

26

111

0

0

2,4-Dinitrotoluene

1.528

0.033

1.667

0

91.7

46

125

0

0

4-Nitrophenol

3.119

0.33

3.333

0

93.6

12

146

0

0

N-Nitrosodi-n-propylamine

1.357

0.033

1.667

0

81.4

29

109

0

0

Pentachlorophenol

3.63

0.067

3.333

0

109

10

192

0

0

Phenol

2.746

0.17

3.333

0

82.4

27

104

0

0

Pyrene

1.352

0.033

1.667

0

81.1

42

148

0

0

1,2,4-Trichlorobenzene

1.399

0.17

1.667

0

83.9

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080343-029BMS	2531V-56-07 (12-1	MS	mg/Kg-dry	SW8270C	8/14/2017	8/16/2017		SVOC-7_170815A		3743424		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.395

0.037

1.853

0

75.3

24

139

0

0

4-Chloro-3-methylphenol

3.155

0.37

3.704

0

85.2

28

121

0

0

2-Chlorophenol

2.58

0.19

3.704

0

69.6

21

102

0

0

1,4-Dichlorobenzene

1.201

0.19

1.853

0

64.8

27

95

0

0

2,4-Dinitrotoluene

1.58

0.037

1.853

0

85.3

32

127

0

0

4-Nitrophenol

3.367

0.37

3.704

0

90.9

10

156

0

0

N-Nitrosodi-n-propylamine

1.216

0.037

1.853

0

65.6

16

122

0

0

Pentachlorophenol

3.738

0.074

3.704

0

101

10

204

0

0

Phenol

2.624

0.19

3.704

0

70.8

20

103

0

0

Pyrene

1.507

0.037

1.853

0

81.3

10

184

0

0

1,2,4-Trichlorobenzene

1.266

0.19

1.853

0

68.3

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080343-029BMSD	2531V-56-07 (12-1	MSD	mg/Kg-dry	SW8270C	8/14/2017	8/16/2017		SVOC-7_170815A		3743425		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.557

0.037

1.853

0

84

24

139

1.395

11.0

57

4-Chloro-3-methylphenol

3.355

0.37

3.704

0

90.6

28

121

3.155

6.13

88

2-Chlorophenol

3.141

0.19

3.704

0

84.8

21

102

2.58

19.6

49

1,4-Dichlorobenzene

1.455

0.19

1.853

0

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT
GCMS Semivolatiles
BatchID: 102514

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-102514-SVOC			0.03	0	0	1	33.333	8/14/2017	8/14/2017
LCS-102514-SVOC			0.03	0	0	1	33.333	8/14/2017	8/14/2017
17080343-033B	Soil		0.03042	0	0	1	32.873	8/14/2017	8/14/2017
17080343-034B	Soil		0.03032	0	0	1	32.982	8/14/2017	8/14/2017
17080375-001B	Soil		0.03035	0	0	1	32.949	8/14/2017	8/14/2017
17080375-002B	Soil		0.03	0	0	1	33.333	8/14/2017	8/14/2017
17080375-003B	Soil		0.03068	0	0	1	32.595	8/14/2017	8/14/2017
17080375-004B	Soil		0.03015	0	0	1	33.167	8/14/2017	8/14/2017
17080375-005B	Soil		0.03039	0	0	1	32.906	8/14/2017	8/14/2017
17080375-006B	Soil		0.03056	0	0	1	32.723	8/14/2017	8/14/2017
17080375-007B	Soil		0.03014	0	0	1	33.179	8/14/2017	8/14/2017
17080375-008B	Soil		0.03022	0	0	1	33.091	8/14/2017	8/14/2017
17080384-001A	Soil		0.03032	0	0	1	32.982	8/14/2017	8/14/2017
17080384-002A	Soil		0.03005	0	0	1	33.278	8/14/2017	8/14/2017
17080384-003A	Soil		0.03052	0	0	1	32.765	8/14/2017	8/14/2017
17080384-004A	Soil		0.03002	0	0	1	33.311	8/14/2017	8/14/2017
17080384-005A	Soil		0.03011	0	0	1	33.212	8/14/2017	8/14/2017
17080384-006A	Soil		0.03037	0	0	1	32.927	8/14/2017	8/14/2017
17080384-007A	Soil		0.03006	0	0	1	33.267	8/14/2017	8/14/2017
17080384-008A	Soil		0.03068	0	0	1	32.595	8/14/2017	8/14/2017
17080384-009A	Soil		0.03005	0	0	1	33.278	8/14/2017	8/14/2017
17080384-010A	Soil		0.03052	0	0	1	32.765	8/14/2017	8/14/2017
17080375-006BMS	Soil		0.03053	0	0	1	32.755	8/14/2017	8/14/2017
17080375-006BMSD	Soil		0.03055	0	0	1	32.733	8/14/2017	8/14/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102514-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/14/2017	8/15/2017	SVOC-7_170815A				3743381	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene		ND	0.033									
Acenaphthylene		ND	0.033									
Aniline		ND	0.33									
Anthracene		ND	0.033									
Benz(a)anthracene		ND	0.033									
Benzidine		ND	0.33									
Benzo(a)pyrene		ND	0.033									
Benzo(b)fluoranthene		ND	0.033									
Benzo(g,h,i)perylene		ND	0.033									
Benzo(k)fluoranthene		ND	0.033									
Benzoic acid		ND	0.83									
Benzyl alcohol		ND	0.17									
Bis(2-chloroethoxy)methane		ND	0.17									
Bis(2-chloroethyl)ether		ND	0.17									
Bis(2-ethylhexyl)phthalate		ND	0.83									
4-Bromophenyl phenyl ether		ND	0.17									
Butyl benzyl phthalate		ND	0.17									
Carbazole		ND	0.17									
4-Chloroaniline		ND	0.17									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102514

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
MB-102514-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/14/2017	8/15/2017	SVOC-7_170815A			3743381		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33
2-Chloronaphthalene	ND	0.17
2-Chlorophenol	ND	0.17
4-Chlorophenyl phenyl ether	ND	0.17
Chrysene	ND	0.033
Dibenz(a,h)anthracene	ND	0.033
Dibenzofuran	ND	0.17
1,2-Dichlorobenzene	ND	0.17
1,3-Dichlorobenzene	ND	0.17
1,4-Dichlorobenzene	ND	0.17
3,3'-Dichlorobenzidine	ND	0.17
2,4-Dichlorophenol	ND	0.17
Diethyl phthalate	ND	0.17
2,4-Dimethylphenol	ND	0.17
Dimethyl phthalate	ND	0.17
4,6-Dinitro-2-methylphenol	ND	0.33
2,4-Dinitrophenol	ND	0.83
2,4-Dinitrotoluene	ND	0.033
2,6-Dinitrotoluene	ND	0.033
Di-n-butyl phthalate	ND	0.17
Di-n-octyl phthalate	ND	0.17
Fluoranthene	ND	0.033
Fluorene	ND	0.033
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.17
Hexachloroethane	ND	0.17
Indeno(1,2,3-cd)pyrene	ND	0.033
Isophorone	ND	0.17
2-Methylnaphthalene	ND	0.17
2-Methylphenol	ND	0.17
4-Methylphenol	ND	0.17
Naphthalene	ND	0.033
2-Nitroaniline	ND	0.17
3-Nitroaniline	ND	0.17
4-Nitroaniline	ND	0.17
2-Nitrophenol	ND	0.17
4-Nitrophenol	ND	0.33
Nitrobenzene	ND	0.033
N-Nitrosodi-n-propylamine	ND	0.033
N-Nitrosodimethylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
2, 2'-oxybis(1-Chloropropane)	ND	0.17
Pentachlorophenol	ND	0.067
Phenanthrene	ND	0.033
Phenol	ND	0.17
Pyrene	ND	0.033
Pyridine	ND	0.67
1,2,4-Trichlorobenzene	ND	0.17

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

GCMS Semivolatiles

BatchID: 102514

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
MB-102514-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	8/14/2017	8/15/2017	SVOC-7_170815A				3743381	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-Trichlorophenol

ND

0.17

2,4,6-Trichlorophenol

ND

0.17

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
LCS-102514-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	8/14/2017	8/15/2017		SVOC-7_170815A		3743391		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.274

0.033

1.667

0

76.4

37

134

0

0

4-Chloro-3-methylphenol

2.675

0.33

3.333

0

80.2

29

134

0

0

2-Chlorophenol

2.365

0.17

3.333

0

71

29

105

0

0

1,4-Dichlorobenzene

1.178

0.17

1.667

0

70.7

26

111

0

0

2,4-Dinitrotoluene

1.368

0.033

1.667

0

82

46

125

0

0

4-Nitrophenol

2.875

0.33

3.333

0

86.3

12

146

0

0

N-Nitrosodi-n-propylamine

1.206

0.033

1.667

0

72.3

29

109

0

0

Pentachlorophenol

3.336

0.067

3.333

0

100

10

192

0

0

Phenol

2.436

0.17

3.333

0

73.1

27

104

0

0

Pyrene

1.203

0.033

1.667

0

72.2

42

148

0

0

1,2,4-Trichlorobenzene

1.235

0.17

1.667

0

74.1

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080375-006BMS	ZZZZZ	MS	mg/Kg-dry	SW8270C	8/14/2017	8/16/2017	SVOC-5_170816A				3746028	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.402

0.039

1.969

0

71.2

24

139

0

0

4-Chloro-3-methylphenol

2.542

0.39

3.936

0

64.6

28

121

0

0

2-Chlorophenol

2.126

0.20

3.936

0

54

21

102

0

0

1,4-Dichlorobenzene

1.14

0.20

1.969

0

57.9

27

95

0

0

2,4-Dinitrotoluene

1.258

0.039

1.969

0

63.9

32

127

0

0

4-Nitrophenol

2.294

0.39

3.936

0

58.3

10

156

0

0

N-Nitrosodi-n-propylamine

1.095

0.039

1.969

0

55.6

16

122

0

0

Pentachlorophenol

2.791

0.079

3.936

0

70.9

10

204

0

0

Phenol

2.057

0.20

3.936

0

52.2

20

103

0

0

Pyrene

1.329

0.039

1.969

0

67.5

10

184

0

0

1,2,4-Trichlorobenzene

1.246

0.20

1.969

0

63.3

55

106

0

0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080375-006BMSD	ZZZZZ	MSD	mg/Kg-dry	SW8270C	8/14/2017	8/16/2017	SVOC-5_170816A				3746029	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene

1.339

0.039

1.968

0

68.1

24

139

1.402

4.60

57

4-Chloro-3-methylphenol

2.36

0.39

3.934

0

60

28

121

2.542

7.42

88

2-Chlorophenol

2.04

0.20

3.934

0

51.9

21

102

2.126

4.09

49

1,4-Dichlorobenzene

1.072

0.20

1.968

0

54.5

27

95

1.14

6.15

43

2,4-Dinitrotoluene

1.179

0.039

1.968

0

59.9

32

127

1.258

6.49

37

4-Nitrophenol

2.202

0.39

3.934

0

56

10

156

2.294

4.13

56

N-Nitrosodi-n-propylamine

1.031

0.039

1.968

0

52.4

16

122

1.095

6.03

47

Pentachlorophenol

2.527

0.079

3.934

0

64.2

10

204

2.791

9.95

47

Phenol

1.947

0.20

3.934

0

49.5

20

103

2.057

5.45

66

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102471

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS2 8/11/17			1.2	0	0	50	41.667	8/11/2017	8/11/2017
ILCSS2 8/11/17			1.2	0	0	50	41.667	8/11/2017	8/11/2017
17080343-001B	Soil		1.136	0	0	50	44.014	8/11/2017	8/11/2017
17080343-002B	Soil		1.128	0	0	50	44.326	8/11/2017	8/11/2017
17080343-003B	Soil		1.121	0	0	50	44.603	8/11/2017	8/11/2017
17080343-004B	Soil		1.135	0	0	50	44.053	8/11/2017	8/11/2017
17080343-005B	Soil		1.103	0	0	50	45.331	8/11/2017	8/11/2017
17080343-006B	Soil		1.146	0	0	50	43.630	8/11/2017	8/11/2017
17080343-007B	Soil		1.122	0	0	50	44.563	8/11/2017	8/11/2017
17080343-008B	Soil		1.103	0	0	50	45.331	8/11/2017	8/11/2017
17080343-009B	Soil		1.141	0	0	50	43.821	8/11/2017	8/11/2017
17080343-010B	Soil		1.154	0	0	50	43.328	8/11/2017	8/11/2017
17080343-011B	Soil		1.174	0	0	50	42.589	8/11/2017	8/11/2017
17080343-012B	Soil		1.109	0	0	50	45.086	8/11/2017	8/11/2017
17080343-013B	Soil		1.14	0	0	50	43.860	8/11/2017	8/11/2017
17080343-014B	Soil		1.124	0	0	50	44.484	8/11/2017	8/11/2017
17080343-015B	Soil		1.161	0	0	50	43.066	8/11/2017	8/11/2017
17080343-016B	Soil		1.178	0	0	50	42.445	8/11/2017	8/11/2017
17080343-017B	Soil		1.107	0	0	50	45.167	8/11/2017	8/11/2017
17080343-018B	Soil		1.135	0	0	50	44.053	8/11/2017	8/11/2017
17080343-019B	Soil		1.102	0	0	50	45.372	8/11/2017	8/11/2017
17080343-020B	Soil		1.163	0	0	50	42.992	8/11/2017	8/11/2017
17080343-001BMS	Soil		1.133	0	0	50	44.131	8/11/2017	8/11/2017
17080343-001BMSD	Soil		1.139	0	0	50	43.898	8/11/2017	8/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBS2 8/11/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/11/2017	8/15/2017	ICPMS-3_170814C				3742100	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		ND	8.3									
Antimony		ND	0.83									
Arsenic		ND	0.42									
Barium		ND	0.42									
Beryllium		ND	0.21									
Cadmium		ND	0.21									
Calcium		6.464	25									J
Chromium		ND	0.42									
Cobalt		ND	0.42									
Copper		ND	1.0									
Iron		ND	12									
Lead		ND	0.21									
Magnesium		ND	12									
Manganese		ND	0.42									
Nickel		ND	0.42									
Potassium		ND	12									
Selenium		ND	0.42									
Silver		ND	0.42									
Sodium		ND	25									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102471

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
IMBS2 8/11/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/11/2017	8/15/2017	ICPMS-3_170814C			3742100		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Thallium ND 0.42

Vanadium ND 0.42

Zinc ND 2.1

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
ILCSS2 8/11/17	ZZZZZ	LCS	mg/Kg	SW6020	8/11/2017	8/15/2017		ICPMS-3_170814C		3742101		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum 21.28 8.3 20.83 0 102 80 120 0 0

Antimony 10.45 0.83 10.42 0 100 80 120 0 0

Arsenic 21.57 0.42 20.83 0 104 80 120 0 0

Barium 20.65 0.42 20.83 0 99.1 80 120 0 0

Beryllium 23.75 0.21 20.83 0 114 80 120 0 0

Cadmium 22.61 0.21 20.83 0 109 80 120 0 0

Calcium 94.87 25 83.33 6.464 106 80 120 0 0

Chromium 22.9 0.42 20.83 0 110 80 120 0 0

Cobalt 23.23 0.42 20.83 0 111 80 120 0 0

Copper 23.38 1.0 20.83 0 112 80 120 0 0

Iron 94.55 12 83.33 0 113 80 120 0 0

Lead 21.72 0.21 20.83 0 104 80 120 0 0

Magnesium 94.34 12 83.33 0 113 80 120 0 0

Manganese 22.09 0.42 20.83 0 106 80 120 0 0

Nickel 23.58 0.42 20.83 0 113 80 120 0 0

Potassium 91.17 12 83.33 0 109 80 120 0 0

Selenium 21.06 0.42 20.83 0 101 80 120 0 0

Silver 8.757 0.42 8.333 0 105 80 120 0 0

Sodium 94.51 25 83.33 0 113 80 120 0 0

Thallium 20.99 0.42 20.83 0 101 80 120 0 0

Vanadium 22.21 0.42 20.83 0 107 80 120 0 0

Zinc 21.83 2.1 20.83 0 105 80 120 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-001BMS	2531V-18-08 (0-1)	MS	mg/Kg-dry	SW6020	8/11/2017	8/15/2017	ICPMS-3_170814C				3742107	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum 11690 21 25.66 11820 -502 75 125 0 0 S

Antimony 1.272 2.1 12.83 0 9.92 75 125 0 0 JS

Arsenic 34.5 1.0 25.66 11.54 89.5 75 125 0 0

Barium 91.78 1.0 25.66 72.2 76.3 75 125 0 0

Beryllium 30 0.51 25.66 0.8697 114 75 125 0 0

Cadmium 25.64 0.51 25.66 0.1965 99.2 75 125 0 0

Calcium 53760 62 102.6 65050 -11000 75 125 0 0 S

Chromium 46.6 1.0 25.66 22.49 94 75 125 0 0

Cobalt 38.67 1.0 25.66 15.1 91.8 75 125 0 0

Copper 52.94 2.6 25.66 30.35 88 75 125 0 0

Iron 28190 31 102.6 30410 -2160 75 125 0 0 S

Lead 46.33 0.51 25.66 23.01 90.9 75 125 0 0

Magnesium 31400 31 102.6 38670 -7080 75 125 0 0 S

Manganese 527.7 1.0 25.66 553.3 -99.7 75 125 0 0 S

Nickel 59 1.0 25.66 36.34 88.3 75 125 0 0

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

* - Non Accredited Parameter

H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102471

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080343-001BMS	2531V-18-08 (0-1)	MS	mg/Kg-dry	SW6020	8/11/2017	8/15/2017	ICPMS-3_170814C			3742107		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Potassium	2026	31	102.6	1968	57.1	75	125	0	0		S
Selenium	23.36	1.0	25.66	0	91	75	125	0	0		
Silver	9.853	1.0	10.26	0.04031	95.6	75	125	0	0		
Sodium	1360	62	102.6	1355	5.61	75	125	0	0		S
Thallium	25.14	1.0	25.66	0.6467	95.4	75	125	0	0		
Vanadium	50.14	1.0	25.66	27.14	89.7	75	125	0	0		
Zinc	95.96	5.1	25.66	75.22	80.9	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-001BMSD	2531V-18-08 (0-1)	MSD	mg/Kg-dry	SW6020	8/11/2017	8/15/2017	ICPMS-3_170814C				3742108	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aluminum	12370	20	25.52	11820	2140	75	125	11690	5.61	20	S
Antimony	1.348	2.0	12.76	0	10.6	75	125	1.272	0	20	JS
Arsenic	33.33	1.0	25.52	11.54	85.4	75	125	34.5	3.45	20	
Barium	100.1	1.0	25.52	72.2	109	75	125	91.78	8.69	20	
Beryllium	30.46	0.51	25.52	0.8697	116	75	125	30	1.52	20	
Cadmium	25.26	0.51	25.52	0.1965	98.2	75	125	25.64	1.50	20	
Calcium	43210	61	102.1	65050	-21400	75	125	53760	21.8	20	SR
Chromium	47.77	1.0	25.52	22.49	99.1	75	125	46.6	2.49	20	
Cobalt	38.82	1.0	25.52	15.1	92.9	75	125	38.67	0.400	20	
Copper	50.15	2.6	25.52	30.35	77.6	75	125	52.94	5.41	20	
Iron	27920	31	102.1	30410	-2440	75	125	28190	0.977	20	S
Lead	46.33	0.51	25.52	23.01	91.3	75	125	46.33	0.0104	20	
Magnesium	26910	31	102.1	38670	-11500	75	125	31400	15.4	20	S
Manganese	449.3	1.0	25.52	553.3	-408	75	125	527.7	16.1	20	S
Nickel	58.33	1.0	25.52	36.34	86.2	75	125	59	1.14	20	
Potassium	1949	31	102.1	1968	-18.6	75	125	2026	3.90	20	S
Selenium	23.99	1.0	25.52	0	94	75	125	23.36	2.67	20	
Silver	10.05	1.0	10.21	0.04031	98.1	75	125	9.853	2.02	20	
Sodium	1450	61	102.1	1355	93.5	75	125	1360	6.38	20	
Thallium	25.54	1.0	25.52	0.6467	97.5	75	125	25.14	1.60	20	
Vanadium	48.78	1.0	25.52	27.14	84.8	75	125	50.14	2.76	20	
Zinc	93.7	5.1	25.52	75.22	72.4	75	125	95.96	2.39	20	S

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS3 8/11/17			1.2	0	0	50	41.667	8/11/2017	8/11/2017
ILCSS3 8/11/17			1.2	0	0	50	41.667	8/11/2017	8/11/2017
17080343-021B	Soil		1.104	0	0	50	45.290	8/11/2017	8/11/2017
17080343-022B	Soil		1.195	0	0	50	41.841	8/11/2017	8/11/2017
17080343-023B	Soil		1.113	0	0	50	44.924	8/11/2017	8/11/2017
17080343-024B	Soil		1.105	0	0	50	45.249	8/11/2017	8/11/2017
17080343-025B	Soil		1.13	0	0	50	44.248	8/11/2017	8/11/2017
17080343-026B	Soil		1.154	0	0	50	43.328	8/11/2017	8/11/2017
17080343-027B	Soil		1.171	0	0	50	42.699	8/11/2017	8/11/2017
17080343-028B	Soil		1.115	0	0	50	44.843	8/11/2017	8/11/2017
17080343-029B	Soil		1.139	0	0	50	43.898	8/11/2017	8/11/2017
17080343-030B	Soil		1.128	0	0	50	44.326	8/11/2017	8/11/2017
17080343-031B	Soil		1.107	0	0	50	45.167	8/11/2017	8/11/2017
17080343-032B	Soil		1.132	0	0	50	44.170	8/11/2017	8/11/2017
17080343-033B	Soil		1.143	0	0	50	43.745	8/11/2017	8/11/2017
17080343-034B	Soil		1.161	0	0	50	43.066	8/11/2017	8/11/2017
17080343-028BMS	Soil		1.114	0	0	50	44.883	8/11/2017	8/11/2017
17080343-028BMSD	Soil		1.118	0	0	50	44.723	8/11/2017	8/11/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBS3 8/11/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/11/2017	8/15/2017	ICPMS-3_170814C				3742146	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		0.4969	8.3									J
Antimony		ND	0.83									
Arsenic		ND	0.42									
Barium		ND	0.42									
Beryllium		ND	0.21									
Cadmium		ND	0.21									
Calcium		4.019	25									J
Chromium		ND	0.42									
Cobalt		ND	0.42									
Copper		ND	1.0									
Iron		ND	12									
Lead		ND	0.21									
Magnesium		ND	12									
Manganese		ND	0.42									
Nickel		ND	0.42									
Potassium		5.446	12									J
Selenium		ND	0.42									
Silver		ND	0.42									
Sodium		ND	25									
Thallium		ND	0.42									
Vanadium		ND	0.42									
Zinc		ND	2.1									

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102474

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
ILCSS3 8/11/17	ZZZZZ	LCS	mg/Kg	SW6020	8/11/2017	8/15/2017	ICPMS-3_170814C				3742147
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	21.89	8.3	20.83	0.4969	103	80	120	0	0		
Antimony	10.48	0.83	10.42	0	101	80	120	0	0		
Arsenic	21.72	0.42	20.83	0	104	80	120	0	0		
Barium	21.05	0.42	20.83	0	101	80	120	0	0		
Beryllium	24.97	0.21	20.83	0	120	80	120	0	0		
Cadmium	22.4	0.21	20.83	0	108	80	120	0	0		
Calcium	96.17	25	83.33	4.019	111	80	120	0	0		
Chromium	22.51	0.42	20.83	0	108	80	120	0	0		
Cobalt	22.92	0.42	20.83	0	110	80	120	0	0		
Copper	22.93	1.0	20.83	0	110	80	120	0	0		
Iron	95.35	12	83.33	0	114	80	120	0	0		
Lead	21.87	0.21	20.83	0	105	80	120	0	0		
Magnesium	94.17	12	83.33	0	113	80	120	0	0		
Manganese	22.09	0.42	20.83	0	106	80	120	0	0		
Nickel	23.25	0.42	20.83	0	112	80	120	0	0		
Potassium	95.33	12	83.33	5.446	108	80	120	0	0		
Selenium	21.39	0.42	20.83	0	103	80	120	0	0		
Silver	8.873	0.42	8.333	0	106	80	120	0	0		
Sodium	95.7	25	83.33	0	115	80	120	0	0		
Thallium	21.06	0.42	20.83	0	101	80	120	0	0		
Vanadium	22.31	0.42	20.83	0	107	80	120	0	0		
Zinc	21.61	2.1	20.83	0	104	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
17080343-028BMS	2531V-56-07 (6-12)	MS	mg/Kg-dry	SW6020	8/11/2017	8/15/2017	ICPMS-3_170815A				3742736
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	5972	20	24.86	7169	-4810	75	125	0	0		S
Antimony	1.736	2.0	12.43	0	14	75	125	0	0		JS
Arsenic	26.49	0.99	24.86	3.166	93.8	75	125	0	0		
Barium	53.94	0.99	24.86	33.4	82.6	75	125	0	0		
Beryllium	24.67	0.50	24.86	0.4919	97.2	75	125	0	0		
Cadmium	23.32	0.50	24.86	0.1049	93.4	75	125	0	0		
Calcium	110300	60	99.44	106000	4320	75	125	0	0		S
Chromium	37.49	0.99	24.86	15.09	90.1	75	125	0	0		
Cobalt	29.89	0.99	24.86	7.572	89.8	75	125	0	0		
Copper	37.62	2.5	24.86	16.15	86.4	75	125	0	0		
Iron	14090	30	99.44	18280	-4210	75	125	0	0		S
Lead	31.36	0.50	24.86	8.563	91.7	75	125	0	0		
Magnesium	60780	30	99.44	54510	6300	75	125	0	0		S
Manganese	406	0.99	24.86	405.3	3.17	75	125	0	0		S
Nickel	37.67	0.99	24.86	18.73	76.2	75	125	0	0		
Potassium	1383	30	99.44	1570	-188	75	125	0	0		S
Selenium	22.77	0.99	24.86	0	91.6	75	125	0	0		
Silver	9.022	0.99	9.944	0.03048	90.4	75	125	0	0		
Sodium	476.6	60	99.44	384.7	92.4	75	125	0	0		
Thallium	24.1	0.99	24.86	0.309	95.7	75	125	0	0		
Vanadium	39.95	0.99	24.86	18.43	86.6	75	125	0	0		
Zinc	53.82	5.0	24.86	36.1	71.3	75	125	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102474

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-028BMSD	2531V-56-07 (6-12)	MSD	mg/Kg-dry	SW6020	8/11/2017	8/15/2017	ICPMS-3_170815A				3742737	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		6241	20	24.77	7169	-3740	75	125	5972	4.40	20	S
Antimony		2.017	2.0	12.39	0	16.3	75	125	1.736	15.0	20	S
Arsenic		28.18	0.99	24.77	3.166	101	75	125	26.49	6.18	20	
Barium		58.53	0.99	24.77	33.4	101	75	125	53.94	8.17	20	
Beryllium		27.36	0.50	24.77	0.4919	108	75	125	24.67	10.4	20	
Cadmium		24.99	0.50	24.77	0.1049	100	75	125	23.32	6.91	20	
Calcium	117600		59	99.09	106000	11700	75	125	110300	6.44	20	S
Chromium		39.75	0.99	24.77	15.09	99.5	75	125	37.49	5.85	20	
Cobalt		32.65	0.99	24.77	7.572	101	75	125	29.89	8.81	20	
Copper		39.8	2.5	24.77	16.15	95.5	75	125	37.62	5.64	20	
Iron		14510	30	99.09	18280	-3800	75	125	14090	2.95	20	S
Lead		34.46	0.50	24.77	8.563	105	75	125	31.36	9.42	20	
Magnesium		64610	30	99.09	54510	10200	75	125	60780	6.10	20	S
Manganese		455.8	0.99	24.77	405.3	204	75	125	406	11.6	20	S
Nickel		40.46	0.99	24.77	18.73	87.7	75	125	37.67	7.13	20	
Potassium		1516	30	99.09	1570	-54.4	75	125	1383	9.16	20	S
Selenium		24.63	0.99	24.77	0	99.4	75	125	22.77	7.87	20	
Silver		9.684	0.99	9.909	0.03048	97.4	75	125	9.022	7.07	20	
Sodium		487.7	59	99.09	384.7	104	75	125	476.6	2.31	20	
Thallium		26.37	0.99	24.77	0.309	105	75	125	24.1	9.02	20	
Vanadium		41.92	0.99	24.77	18.43	94.9	75	125	39.95	4.81	20	
Zinc		56.05	5.0	24.77	36.1	80.5	75	125	53.82	4.06	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102613

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW3 8/16/17			50	0	0	50	1.000	8/16/2017	8/16/2017
ILCSW3 8/16/17			50	0	0	50	1.000	8/16/2017	8/16/2017
IMBSPLP 8/15/17			50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-001B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-002B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-002BMS	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-002BMSD	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-003B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-004B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-005B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-006B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-007B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-008B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-009B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-010B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-011B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-012B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-013B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-014B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-015B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-016B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-017B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-018B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017
17080343-019B	Soil		50	0	0	50	1.000	8/16/2017	8/16/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBSPLP 8/15/17	ZZZZZ	MBLK	mg/L	SW1312/6020	8/16/2017	8/18/2017	ICPMS_170817C				3747084	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		ND	0.0040									
Barium		ND	0.020									
Beryllium		ND	0.0020									
Cadmium		ND	0.0020									
Chromium		0.00116	0.0040									J
Cobalt		ND	0.0040									
Copper		ND	0.020									
Iron		ND	0.10									
Lead		ND	0.0020									
Manganese		0.00036	0.0040									J
Nickel		0.00052	0.0080									J
Selenium		ND	0.0040									
Silver		ND	0.0040									
Zinc		0.01882	0.020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-002BMS	2531V-43-01 (0-1)	MS	mg/L	SW1312/6020	8/16/2017	8/18/2017	ICPMS_170817C				3747087	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		0.4903	0.0040	0.5	0.00205	97.6	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102613

Sample ID: 17080343-002BMS	Customer ID: 2531V-43-01 (0-1)	SampType: MS	Units: mg/L	TestNo: SW1312/6020	Prep Date: 8/16/2017	Analysis Date: 8/18/2017	Run ID: ICPMS_170817C			SeqNo: 3747087		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Barium	0.5268	0.020	0.5	0.00891	104	75	125	0	0		
Beryllium	0.5011	0.0020	0.5	0	100	75	125	0	0		
Cadmium	0.5005	0.0020	0.5	0	100	75	125	0	0		
Chromium	0.5469	0.0040	0.5	0.00454	108	75	125	0	0		
Cobalt	0.5296	0.0040	0.5	0.00117	106	75	125	0	0		
Copper	0.5029	0.020	0.5	0.00856	98.9	75	125	0	0		
Iron	4.962	0.10	2	2.754	110	75	125	0	0		
Lead	0.5283	0.0020	0.5	0.00349	105	75	125	0	0		
Manganese	0.5563	0.0040	0.5	0.01984	107	75	125	0	0		
Nickel	0.5294	0.0080	0.5	0.00437	105	75	125	0	0		
Selenium	0.4588	0.0040	0.5	0	91.8	75	125	0	0		
Silver	0.2107	0.0040	0.2	0	105	75	125	0	0		
Zinc	0.5031	0.020	0.5	0.02755	95.1	75	125	0	0		

Sample ID: 17080343-002BMSD	Customer ID: 2531V-43-01 (0-1)	SampType: MSD	Units: mg/L	TestNo: SW1312/6020	Prep Date: 8/16/2017	Analysis Date: 8/18/2017	Run ID: ICPMS_170817C				SeqNo: 3747088	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4834	0.0040	0.5	0.00205	96.3	75	125	0.4903	1.42	20	
Barium	0.5162	0.020	0.5	0.00891	101	75	125	0.5268	2.03	20	
Beryllium	0.4791	0.0020	0.5	0	95.8	75	125	0.5011	4.49	20	
Cadmium	0.4867	0.0020	0.5	0	97.3	75	125	0.5005	2.80	20	
Chromium	0.5457	0.0040	0.5	0.00454	108	75	125	0.5469	0.220	20	
Cobalt	0.5271	0.0040	0.5	0.00117	105	75	125	0.5296	0.473	20	
Copper	0.4936	0.020	0.5	0.00856	97	75	125	0.5029	1.87	20	
Iron	4.956	0.10	2	2.754	110	75	125	4.962	0.121	20	
Lead	0.5167	0.0020	0.5	0.00349	103	75	125	0.5283	2.22	20	
Manganese	0.5502	0.0040	0.5	0.01984	106	75	125	0.5563	1.10	20	
Nickel	0.5215	0.0080	0.5	0.00437	103	75	125	0.5294	1.50	20	
Selenium	0.4562	0.0040	0.5	0	91.2	75	125	0.4588	0.568	20	
Silver	0.205	0.0040	0.2	0	103	75	125	0.2107	2.74	20	
Zinc	0.4954	0.020	0.5	0.02755	93.6	75	125	0.5031	1.54	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
IMBW3 8/16/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/16/2017	8/18/2017		ICPMS_170817C		3747082		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040									
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	ND	0.0040									
Cobalt	ND	0.0040									
Copper	ND	0.010									
Iron	ND	0.10									
Lead	ND	0.0020									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Selenium	ND	0.0040									
Silver	ND	0.0040									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102613

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
IMBW3 8/16/17	ZZZZZ	MBLK	mg/Kg	SW6020	8/16/2017	8/18/2017			ICPMS_170817C		3747082	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Zinc 0.02259 0.020

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
ILCSW3 8/16/17	ZZZZZ	LCS	mg/Kg	SW6020	8/16/2017	8/18/2017			ICPMS_170817C		3747083	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4808	0.0040	0.5	0	96.2	80	120	0	0
Barium	0.4892	0.0040	0.5	0	97.8	80	120	0	0
Beryllium	0.498	0.0020	0.5	0	99.6	80	120	0	0
Cadmium	0.4872	0.0020	0.5	0	97.4	80	120	0	0
Chromium	0.518	0.0040	0.5	0	104	80	120	0	0
Cobalt	0.506	0.0040	0.5	0	101	80	120	0	0
Copper	0.476	0.010	0.5	0	95.2	80	120	0	0
Iron	2.097	0.10	2	0	105	80	120	0	0
Lead	0.486	0.0020	0.5	0	97.2	80	120	0	0
Manganese	0.514	0.0040	0.5	0	103	80	120	0	0
Nickel	0.504	0.0040	0.5	0	101	80	120	0	0
Selenium	0.4712	0.0040	0.5	0	94.2	80	120	0	0
Silver	0.2008	0.0040	0.2	0	100	80	120	0	0
Zinc	0.4952	0.040	0.5	0.02259	94.5	80	120	0	0

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102644

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW3 8/17/17			50	0	0	50	1.000	8/17/2017	8/17/2017
ILCSW3 8/17/17			50	0	0	50	1.000	8/17/2017	8/17/2017
IMBSPLP 8/16/17			50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-029B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-029BMS	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-029BMSD	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-020B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-021B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-022B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-023B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-024B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-025B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-026B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-027B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-028B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-030B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-031B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-032B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-033B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017
17080343-034B	Soil		50	0	0	50	1.000	8/17/2017	8/17/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBW3 8/17/17	ZZZZZ	MBLK	mg/L	SW1312/6020	8/17/2017	8/18/2017	ICPMS_170817C				3747113	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040										
Barium	ND	0.020										
Beryllium	ND	0.0020										
Cadmium	ND	0.0020										
Chromium	0.0007	0.0040										J
Cobalt	ND	0.0040										
Copper	ND	0.020										
Iron	0.01619	0.10										J
Lead	ND	0.0020										
Manganese	ND	0.0040										
Nickel	ND	0.0080										
Selenium	ND	0.0040										
Silver	ND	0.0040										
Zinc	0.01278	0.020										J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBSPLP 8/16/17	ZZZZZ	MBLK	mg/L	SW1312/6020	8/17/2017	8/18/2017	ICPMS_170817C				3747115	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040										
Barium	ND	0.020										
Beryllium	ND	0.0020										
Cadmium	ND	0.0020										
Chromium	0.00213	0.0040										J

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102644

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
IMBSPLP 8/16/17	ZZZZZ	MBLK	mg/L	SW1312/6020	8/17/2017	8/18/2017	ICPMS_170817C			3747115		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cobalt	ND	0.0040									
Copper	ND	0.020									
Iron	0.01567	0.10									J
Lead	ND	0.0020									
Manganese	ND	0.0040									
Nickel	0.00034	0.0080									J
Selenium	ND	0.0040									
Silver	ND	0.0040									
Zinc	0.01402	0.020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
ILCSW3 8/17/17	ZZZZZ	LCS	mg/L	SW1312/6020	8/17/2017	8/18/2017		ICPMS_170817C		3747114		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5294	0.0040	0.5	0	106	80	120	0	0		
Barium	0.5379	0.020	0.5	0	108	80	120	0	0		
Beryllium	0.5404	0.0020	0.5	0	108	80	120	0	0		
Cadmium	0.5372	0.0020	0.5	0	107	80	120	0	0		
Chromium	0.5779	0.0040	0.5	0.0007	115	80	120	0	0		
Cobalt	0.5605	0.0040	0.5	0	112	80	120	0	0		
Copper	0.5246	0.020	0.5	0	105	80	120	0	0		
Iron	2.321	0.10	2	0.01619	115	80	120	0	0		
Lead	0.5408	0.0020	0.5	0	108	80	120	0	0		
Manganese	0.5715	0.0040	0.5	0	114	80	120	0	0		
Nickel	0.5563	0.0080	0.5	0	111	80	120	0	0		
Selenium	0.5168	0.0040	0.5	0	103	80	120	0	0		
Silver	0.2206	0.0040	0.2	0	110	80	120	0	0		
Zinc	0.5387	0.020	0.5	0.01278	105	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-029BMS	2531V-56-07 (12-1	MS	mg/L	SW1312/6020	8/17/2017	8/18/2017	ICPMS_170817C				3747118	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.559	0.0040	0.5	0	112	75	125	0	0		
Barium	0.5846	0.020	0.5	0.00481	116	75	125	0	0		
Beryllium	0.549	0.0020	0.5	0	110	75	125	0	0		
Cadmium	0.557	0.0020	0.5	0	111	75	125	0	0		
Chromium	0.6204	0.0040	0.5	0	124	75	125	0	0		
Cobalt	0.6065	0.0040	0.5	0	121	75	125	0	0		
Copper	0.5554	0.020	0.5	0	111	75	125	0	0		
Iron	2.603	0.10	2	0.1111	125	75	125	0	0		
Lead	0.5853	0.0020	0.5	0	117	75	125	0	0		
Manganese	0.6877	0.0040	0.5	0.07107	123	75	125	0	0		
Nickel	0.598	0.0080	0.5	0.00136	119	75	125	0	0		
Selenium	0.5248	0.0040	0.5	0	105	75	125	0	0		
Silver	0.2295	0.0040	0.2	0	115	75	125	0	0		
Zinc	0.5522	0.020	0.5	0.01233	108	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.**Work Order:** 17080343**Project:** 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL**ANALYTICAL QC SUMMARY REPORT****Metals****BatchID: 102644**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-029BMSD	2531V-56-07 (12-1	MSD	mg/L	SW1312/6020	8/17/2017	8/18/2017	ICPMS_170817C				3747121	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		0.5903	0.0040	0.5	0	118	75	125	0.559	5.45	20	
Barium		0.6139	0.020	0.5	0.00481	122	75	125	0.5846	4.89	20	
Beryllium		0.5786	0.0020	0.5	0	116	75	125	0.549	5.25	20	
Cadmium		0.5825	0.0020	0.5	0	116	75	125	0.557	4.48	20	
Chromium		0.6487	0.0040	0.5	0	130	75	125	0.6204	4.46	20	S
Cobalt		0.6291	0.0040	0.5	0	126	75	125	0.6065	3.66	20	S
Copper		0.5827	0.020	0.5	0	117	75	125	0.5554	4.80	20	
Iron		2.735	0.10	2	0.1111	131	75	125	2.603	4.95	20	S
Lead		0.6144	0.0020	0.5	0	123	75	125	0.5853	4.85	20	
Manganese		0.7208	0.0040	0.5	0.07107	130	75	125	0.6877	4.70	20	S
Nickel		0.6213	0.0080	0.5	0.00136	124	75	125	0.598	3.82	20	
Selenium		0.5476	0.0040	0.5	0	110	75	125	0.5248	4.25	20	
Silver		0.2428	0.0040	0.2	0	121	75	125	0.2295	5.63	20	
Zinc		0.5703	0.020	0.5	0.01233	112	75	125	0.5522	3.22	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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* - Non Accredited Parameter H/HT - Holding Time Exceeded

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 8/18/17			50	0	0	50	1.000	8/18/2017	8/18/2017
ILCSW1 8/18/17			50	0	0	50	1.000	8/18/2017	8/18/2017
IMBTB 8/17/17			50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-015B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-015BMS	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-015BMSD	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-003B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-005B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-006B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-013B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-008B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-012B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-020B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-021B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-024B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-028B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-033B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
IMBTB 8/17/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/18/2017	8/18/2017	ICPMS-3_170818A				3747741	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.010										
Barium	0.003021	0.050										J
Beryllium	ND	0.0050										
Cadmium	ND	0.0050										
Chromium	0.001802	0.010										J
Cobalt	ND	0.010										
Copper	0.002364	0.10										J
Iron	ND	0.25										
Lead	ND	0.0050										
Manganese	ND	0.010										
Nickel	ND	0.020										
Selenium	ND	0.010										
Silver	ND	0.010										
Zinc	0.01931	0.050										J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-015BMS	2531V-56-03 (0-6)	MS	mg/L	SW1311/6020	8/18/2017	8/18/2017	ICPMS-3_170818A				3747744	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5582	0.010	0.5	0	112	75	125	0	0		
Barium	0.7574	0.050	0.5	0.2036	111	75	125	0	0		
Beryllium	0.5158	0.0050	0.5	0	103	75	125	0	0		
Cadmium	0.5208	0.0050	0.5	0.001735	104	75	125	0	0		
Chromium	0.565	0.010	0.5	0	113	75	125	0	0		
Cobalt	0.6041	0.010	0.5	0.04848	111	75	125	0	0		
Copper	0.531	0.10	0.5	0	106	75	125	0	0		
Iron	2.284	0.25	2	0	114	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102676

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-015BMS	2531V-56-03 (0-6)	MS	mg/L	SW1311/6020	8/18/2017	8/18/2017	ICPMS-3_170818A				3747744	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead	0.5523	0.0050	0.5	0	110	75	125	0	0		
Manganese	5.31	0.010	0.5	4.484	165	75	125	0	0		S
Nickel	0.5714	0.020	0.5	0.04744	105	75	125	0	0		
Selenium	0.5702	0.010	0.5	0	114	75	125	0	0		
Silver	0.2077	0.010	0.2	0	104	75	125	0	0		
Zinc	0.5399	0.050	0.5	0.02329	103	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-015BMSD	2531V-56-03 (0-6)	MSD	mg/L	SW1311/6020	8/18/2017	8/18/2017	ICPMS-3_170818A				3747745	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5276	0.010	0.5	0	106	75	125	0.5582	5.63	20	
Barium	0.721	0.050	0.5	0.2036	103	75	125	0.7574	4.92	20	
Beryllium	0.4806	0.0050	0.5	0	96.1	75	125	0.5158	7.06	20	
Cadmium	0.4988	0.0050	0.5	0.001735	99.4	75	125	0.5208	4.31	20	
Chromium	0.546	0.010	0.5	0	109	75	125	0.565	3.42	20	
Cobalt	0.5725	0.010	0.5	0.04848	105	75	125	0.6041	5.37	20	
Copper	0.5104	0.10	0.5	0	102	75	125	0.531	3.98	20	
Iron	2.166	0.25	2	0	108	75	125	2.284	5.30	20	
Lead	0.5226	0.0050	0.5	0	105	75	125	0.5523	5.54	20	
Manganese	5.054	0.010	0.5	4.484	114	75	125	5.31	4.96	20	
Nickel	0.5415	0.020	0.5	0.04744	98.8	75	125	0.5714	5.37	20	
Selenium	0.5236	0.010	0.5	0	105	75	125	0.5702	8.51	20	
Silver	0.1942	0.010	0.2	0	97.1	75	125	0.2077	6.74	20	
Zinc	0.5204	0.050	0.5	0.02329	99.4	75	125	0.5399	3.68	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
IMBW1 8/18/17	ZZZZZ	MBLK	mg/L	SW6020	8/18/2017	8/18/2017		ICPMS-3_170818A		3747739		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.0003636	0.0040									J
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	0.0007939	0.0040									J
Cobalt	ND	0.0040									
Copper	0.002486	0.010									J
Iron	ND	0.10									
Lead	ND	0.0020									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Selenium	ND	0.0040									
Silver	ND	0.0040									
Zinc	0.005283	0.020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
ILCSW1 8/18/17	ZZZZZ	LCS	mg/L	SW6020	8/18/2017	8/18/2017	ICPMS-3_170818A				3747740	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.4836	0.0040	0.5	0.0003636	96.7	80	120	0	0		
Barium	0.4612	0.0040	0.5	0	92.2	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102676

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
ILCSW1 8/18/17	ZZZZZ	LCS	mg/L	SW6020	8/18/2017	8/18/2017	ICPMS-3_170818A				3747740	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Beryllium		0.5003	0.0020	0.5	0	100	80	120	0	0		
Cadmium		0.4832	0.0020	0.5	0	96.6	80	120	0	0		
Chromium		0.5052	0.0040	0.5	0.0007939	101	80	120	0	0		
Cobalt		0.5131	0.0040	0.5	0	103	80	120	0	0		
Copper		0.5111	0.010	0.5	0.002486	102	80	120	0	0		
Iron		2.074	0.10	2	0	104	80	120	0	0		
Lead		0.4893	0.0020	0.5	0	97.9	80	120	0	0		
Manganese		0.4916	0.0040	0.5	0	98.3	80	120	0	0		
Nickel		0.5249	0.0040	0.5	0	105	80	120	0	0		
Selenium		0.4768	0.0040	0.5	0	95.4	80	120	0	0		
Silver		0.1921	0.0040	0.2	0	96.1	80	120	0	0		
Zinc		0.4938	0.020	0.5	0.005283	97.7	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080343	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102678

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW2 8/18/17			50	0	0	50	1.000	8/18/2017	8/18/2017
ILCSW2 8/18/17			50	0	0	50	1.000	8/18/2017	8/18/2017
IMBTA1 8/17/17			50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-007B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-007BMS	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-007BMSD	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-001B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-002B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-004B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-009B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-010B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-011B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-014B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-016B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-017B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-018B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-019B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080604-001B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080604-007B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080415-001B	Aqueous		50	0	0	50	1.000	8/18/2017	8/18/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
IMBTA1 8/17/17	ZZZZZ	MBLK	mg/L	SW1311/6020	8/18/2017	8/18/2017		ICPMS_170818A		3748179		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.010										
Barium	0.0053	0.050										J
Beryllium	ND	0.0050										
Cadmium	ND	0.0050										
Chromium	0.00353	0.010										J
Cobalt	ND	0.010										
Copper	0.01058	0.10										J
Iron	0.0696	0.25										J
Lead	ND	0.0050										
Manganese	ND	0.010										
Nickel	0.00249	0.020										J
Selenium	ND	0.010										
Silver	ND	0.010										
Zinc	0.02045	0.10										J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-007BMS	2531V-55-01 (0-1)	MS	mg/L	SW1311/6020	8/18/2017	8/18/2017	ICPMS_170818A				3748186	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5256	0.010	0.5	0	105	75	125	0	0		
Barium	1.16	0.050	0.5	0.5873	115	75	125	0	0		
Beryllium	0.4869	0.0050	0.5	0	97.4	75	125	0	0		
Cadmium	0.466	0.0050	0.5	0	93.2	75	125	0	0		
Chromium	0.547	0.010	0.5	0.00421	109	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102678

Sample ID: 17080343-007BMS	Customer ID: 2531V-55-01 (0-1)	SampType: MS	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/18/2017	Analysis Date: 8/18/2017	Run ID: ICPMS_170818A			SeqNo: 3748186		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cobalt	0.5258	0.010	0.5	0	105	75	125	0	0		
Copper	0.522	0.10	0.5	0.01221	102	75	125	0	0		
Iron	2.829	0.25	2	0.6775	108	75	125	0	0		
Lead	0.5726	0.0050	0.5	0	115	75	125	0	0		
Manganese	0.7026	0.010	0.5	0.188	103	75	125	0	0		
Nickel	0.5067	0.020	0.5	0.00555	100	75	125	0	0		
Selenium	0.486	0.010	0.5	0	97.2	75	125	0	0		
Silver	0.1966	0.010	0.2	0	98.3	75	125	0	0		
Zinc	0.5552	0.10	0.5	0.1262	85.8	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080343-007BMSD	2531V-55-01 (0-1)	MSD	mg/L	SW1311/6020	8/18/2017	8/18/2017		ICPMS_170818A		3748187		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5319	0.010	0.5	0	106	75	125	0.5256	1.19	20	
Barium	1.184	0.050	0.5	0.5873	119	75	125	1.16	2.05	20	
Beryllium	0.4886	0.0050	0.5	0	97.7	75	125	0.4869	0.349	20	
Cadmium	0.4653	0.0050	0.5	0	93.1	75	125	0.466	0.150	20	
Chromium	0.5479	0.010	0.5	0.00421	109	75	125	0.547	0.164	20	
Cobalt	0.5271	0.010	0.5	0	105	75	125	0.5258	0.247	20	
Copper	0.539	0.10	0.5	0.01221	105	75	125	0.522	3.20	20	
Iron	2.847	0.25	2	0.6775	108	75	125	2.829	0.634	20	
Lead	0.5751	0.0050	0.5	0	115	75	125	0.5726	0.436	20	
Manganese	0.7126	0.010	0.5	0.188	105	75	125	0.7026	1.41	20	
Nickel	0.5087	0.020	0.5	0.00555	101	75	125	0.5067	0.394	20	
Selenium	0.4916	0.010	0.5	0	98.3	75	125	0.486	1.15	20	
Silver	0.1962	0.010	0.2	0	98.1	75	125	0.1966	0.204	20	
Zinc	0.5586	0.10	0.5	0.1262	86.5	75	125	0.5552	0.611	20	

Sample ID: IMBW2 8/18/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW6020	Prep Date: 8/18/2017	Analysis Date: 8/18/2017		Run ID: ICPMS_170818A		SeqNo: 3748177		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	ND	0.0040									
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	ND	0.0040									
Cobalt	ND	0.0040									
Copper	ND	0.010									
Iron	0.0654	0.10									J
Lead	ND	0.0020									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Selenium	ND	0.0040									
Silver	ND	0.0040									
Zinc	0.02592	0.040									J

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102678

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
ILCSW2 8/18/17	ZZZZZ	LCS	mg/L	SW6020	8/18/2017	8/18/2017	ICPMS_170818A				3748178	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic		0.4997	0.0040	0.5	0	99.9	80	120	0	0		
Barium		0.5018	0.0040	0.5	0	100	80	120	0	0		
Beryllium		0.5138	0.0020	0.5	0	103	80	120	0	0		
Cadmium		0.5131	0.0020	0.5	0	103	80	120	0	0		
Chromium		0.5124	0.0040	0.5	0	102	80	120	0	0		
Cobalt		0.5116	0.0040	0.5	0	102	80	120	0	0		
Copper		0.5013	0.010	0.5	0	100	80	120	0	0		
Iron		2.243	0.10	2	0.0654	109	80	120	0	0		
Lead		0.4967	0.0020	0.5	0	99.3	80	120	0	0		
Manganese		0.5109	0.0040	0.5	0	102	80	120	0	0		
Nickel		0.4883	0.0040	0.5	0	97.7	80	120	0	0		
Selenium		0.5041	0.0040	0.5	0	101	80	120	0	0		
Silver		0.2113	0.0040	0.2	0	106	80	120	0	0		
Zinc		0.5192	0.040	0.5	0.02592	98.7	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080343	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102681

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW4 8/18/17			50	0	0	50	1.000	8/18/2017	8/18/2017
ILCSW4 8/18/17			50	0	0	50	1.000	8/18/2017	8/18/2017
IMBTA2 8/17/17			50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-022B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-023B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-025B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-026B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-026BMS	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-026BMSD	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-027B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-029B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-030B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-031B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-032B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080343-034B	Soil		50	0	0	50	1.000	8/18/2017	8/18/2017
17080321-001C	Aqueous		50	0	0	50	1.000	8/18/2017	8/18/2017
17080321-002B	Aqueous		50	0	0	50	1.000	8/18/2017	8/18/2017
17080328-007C	Aqueous		50	0	0	50	1.000	8/18/2017	8/18/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
17080343-026BMS	2531V-56-06 (12-1	MS	mg/L	SW1311/6020	8/18/2017	8/18/2017			ICPMS-3_170818A		3748156	
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5302	0.010	0.5	0	106	75	125	0	0		
Barium	0.8507	0.050	0.5	0.3291	104	75	125	0	0		
Beryllium	0.4929	0.0050	0.5	0	98.6	75	125	0	0		
Cadmium	0.4781	0.0050	0.5	0	95.6	75	125	0	0		
Chromium	0.537	0.010	0.5	0	107	75	125	0	0		
Cobalt	0.5333	0.010	0.5	0.01215	104	75	125	0	0		
Copper	0.5003	0.10	0.5	0	100	75	125	0	0		
Iron	2.179	0.25	2	0.05498	106	75	125	0	0		
Lead	0.5211	0.0050	0.5	0	104	75	125	0	0		
Manganese	3.304	0.010	0.5	2.819	96.9	75	125	0	0		
Nickel	0.4927	0.020	0.5	0.01517	95.5	75	125	0	0		
Selenium	0.5334	0.010	0.5	0	107	75	125	0	0		
Silver	0.1924	0.010	0.2	0	96.2	75	125	0	0		
Zinc	0.5276	0.050	0.5	0.04541	96.4	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080343-026BMSD	2531V-56-06 (12-1	MSD	mg/L	SW1311/6020	8/18/2017	8/18/2017	ICPMS-3_170818A			3748157		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.5377	0.010	0.5	0	108	75	125	0.5302	1.39	20	
Barium	0.8592	0.050	0.5	0.3291	106	75	125	0.8507	0.994	20	
Beryllium	0.508	0.0050	0.5	0	102	75	125	0.4929	3.02	20	
Cadmium	0.488	0.0050	0.5	0	97.6	75	125	0.4781	2.06	20	
Chromium	0.5479	0.010	0.5	0	110	75	125	0.537	2.01	20	
Cobalt	0.5378	0.010	0.5	0.01215	105	75	125	0.5333	0.835	20	
Copper	0.5075	0.10	0.5	0	101	75	125	0.5003	1.43	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102681

Sample ID: 17080343-026BMSD	Customer ID: 2531V-56-06 (12-1	SampType: MSD	Units: mg/L	TestNo: SW1311/6020	Prep Date: 8/18/2017	Analysis Date: 8/18/2017	Run ID: ICPMS-3_170818A		SeqNo: 3748157			
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Iron		2.219	0.25	2	0.05498	108	75	125	2.179	1.85	20	
Lead		0.5266	0.0050	0.5	0	105	75	125	0.5211	1.04	20	
Manganese		3.329	0.010	0.5	2.819	102	75	125	3.304	0.776	20	
Nickel		0.5009	0.020	0.5	0.01517	97.1	75	125	0.4927	1.64	20	
Selenium		0.5342	0.010	0.5	0	107	75	125	0.5334	0.144	20	
Silver		0.1968	0.010	0.2	0	98.4	75	125	0.1924	2.25	20	
Zinc		0.5415	0.050	0.5	0.04541	99.2	75	125	0.5276	2.61	20	

Sample ID: IMBW4 8/18/17	Customer ID: ZZZZZ	SampType: MBLK	Units: mg/L	TestNo: SW6020	Prep Date: 8/18/2017	Analysis Date: 8/18/2017	Run ID: ICPMS-3_170818A		SeqNo: 3748150			
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic		0.0008175	0.0040									J
Barium		ND	0.0040									
Beryllium		ND	0.0020									
Cadmium		ND	0.0020									
Chromium		0.0009917	0.0040									J
Cobalt		ND	0.0040									
Copper		ND	0.010									
Iron		ND	0.10									
Lead		ND	0.0020									
Manganese		ND	0.0040									
Nickel		ND	0.0040									
Selenium		ND	0.0040									
Silver		ND	0.0040									
Zinc		0.003748	0.020									J

Sample ID: ILCSW4 8/18/17	Customer ID: ZZZZZ	SampType: LCS	Units: mg/L	TestNo: SW6020	Prep Date: 8/18/2017	Analysis Date: 8/18/2017	Run ID: ICPMS-3_170818A		SeqNo: 3748152			
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic		0.5045	0.0040	0.5	0.0008175	101	80	120	0	0		
Barium		0.491	0.0040	0.5	0	98.2	80	120	0	0		
Beryllium		0.4914	0.0020	0.5	0	98.3	80	120	0	0		
Cadmium		0.4895	0.0020	0.5	0	97.9	80	120	0	0		
Chromium		0.5371	0.0040	0.5	0.0009917	107	80	120	0	0		
Cobalt		0.541	0.0040	0.5	0	108	80	120	0	0		
Copper		0.5351	0.010	0.5	0	107	80	120	0	0		
Iron		2.214	0.10	2	0	111	80	120	0	0		
Lead		0.5113	0.0020	0.5	0	102	80	120	0	0		
Manganese		0.5307	0.0040	0.5	0	106	80	120	0	0		
Nickel		0.5465	0.0040	0.5	0	109	80	120	0	0		
Selenium		0.5104	0.0040	0.5	0	102	80	120	0	0		
Silver		0.2002	0.0040	0.2	0	100	80	120	0	0		
Zinc		0.5144	0.020	0.5	0.003748	102	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080343	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102470

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW3 8/17/17			30	0	0	30	1.000	8/17/2017	8/17/2017
HGLCSW3 8/17/17			30	0	0	30	1.000	8/17/2017	8/17/2017
HGMBSP16 8/16/17			30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-020B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-021B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-022B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-023B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-024B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-025B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-026B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-027B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-028B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-029B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-030B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-031B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-032B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-033B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-034B	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-022BMS	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017
17080343-022BMSD	Soil		30	0	0	30	1.000	8/17/2017	8/17/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBSP16 8/16/17	ZZZZZ	MBLK	mg/L	SW1312/7470A	8/17/2017	8/17/2017	CETAC 2_170817D				3746790	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury		0.00008	0.00025									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-022BMS	2531V-56-05 (6-12)	MS	mg/L	SW1312/7470A	8/17/2017	8/17/2017	CETAC 2_170817D				3746794	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury		0.0027	0.00025	0.0025	0.00011	104	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:		Prep Date:	Analysis Date:		Run ID:			SeqNo:	
17080343-022BMSD	2531V-56-05 (6-12)	MSD	mg/L	SW1312/7470A		8/17/2017	8/17/2017		CETAC 2_170817D			3746795	
Analyte		Result	PQL	SPK value		SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury		0.0026	0.00025	0.0025	0.00011	99.6	75	125	0.0027	3.77	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBW3 8/17/17	ZZZZZ	MBLK	mg/L	SW7470A	8/17/2017	8/17/2017	CETAC 2_170817D				3746788	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury		0.00011	0.00020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGLCSW3 8/17/17	ZZZZZ	LCS	mg/L	SW7470A	8/17/2017	8/17/2017		CETAC 2_170817D			3746789	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury		0.0027	0.00020	0.0025	0.00011	104	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102579

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS1 8/15/17			0.3	0	0	30	100.000	8/15/2017	8/15/2017
HGLCSS1 8/15/17			0.3	0	0	30	100.000	8/15/2017	8/15/2017
17080343-001B	Soil		0.376	0	0	30	79.787	8/15/2017	8/15/2017
17080343-002B	Soil		0.344	0	0	30	87.209	8/15/2017	8/15/2017
17080343-003B	Soil		0.351	0	0	30	85.470	8/15/2017	8/15/2017
17080343-004B	Soil		0.31	0	0	30	96.774	8/15/2017	8/15/2017
17080343-005B	Soil		0.303	0	0	30	99.010	8/15/2017	8/15/2017
17080343-006B	Soil		0.324	0	0	30	92.593	8/15/2017	8/15/2017
17080343-007B	Soil		0.363	0	0	30	82.645	8/15/2017	8/15/2017
17080343-008B	Soil		0.305	0	0	30	98.361	8/15/2017	8/15/2017
17080343-009B	Soil		0.353	0	0	30	84.986	8/15/2017	8/15/2017
17080343-010B	Soil		0.301	0	0	30	99.668	8/15/2017	8/15/2017
17080343-010BMS	Soil		0.301	0	0	30	99.668	8/15/2017	8/15/2017
17080343-010BMSD	Soil		0.301	0	0	30	99.668	8/15/2017	8/15/2017
17080343-011B	Soil		0.338	0	0	30	88.757	8/15/2017	8/15/2017
17080343-012B	Soil		0.347	0	0	30	86.455	8/15/2017	8/15/2017
17080343-013B	Soil		0.364	0	0	30	82.418	8/15/2017	8/15/2017
17080343-014B	Soil		0.356	0	0	30	84.270	8/15/2017	8/15/2017
17080343-015B	Soil		0.347	0	0	30	86.455	8/15/2017	8/15/2017
17080343-016B	Soil		0.32	0	0	30	93.750	8/15/2017	8/15/2017
17080343-017B	Soil		0.351	0	0	30	85.470	8/15/2017	8/15/2017
17080343-018B	Soil		0.372	0	0	30	80.645	8/15/2017	8/15/2017
17080343-019B	Soil		0.394	0	0	30	76.142	8/15/2017	8/15/2017
17080343-020B	Soil		0.306	0	0	30	98.039	8/15/2017	8/15/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMBS1 8/15/17	ZZZZZ	MBLK	mg/Kg	SW7471A	8/15/2017	8/15/2017		CETAC 2_170815D			3742896	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury ND 0.020

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGLCSS1 8/15/17	ZZZZZ	LCS	mg/Kg	SW7471A	8/15/2017	8/15/2017		CETAC 2_170815D		3747514		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.28 0.020 0.25 0 112 80 120 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080343-010BMS	2531V-56-01 (6-12)	MS	mg/Kg-dry	SW7471A	8/15/2017	8/15/2017		CETAC 2_170815D		3742910		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.3888 0.026 0.324 0.0324 110 75 125 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080343-010BMSD	2531V-56-01 (6-12)	MSD	mg/Kg-dry	SW7471A	8/15/2017	8/15/2017	CETAC 2_170815D			3742911		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.3888 0.026 0.324 0.0324 110 75 125 0.3888 0 20

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102580

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMB2 8/15/17			0.3	0	0	30	100.000	8/15/2017	8/15/2017
HGLCSS2 8/15/17			0.3	0	0	30	100.000	8/15/2017	8/15/2017
17080343-021B	Soil		0.39	0	0	30	76.923	8/15/2017	8/15/2017
17080343-022B	Soil		0.37	0	0	30	81.081	8/15/2017	8/15/2017
17080343-023B	Soil		0.321	0	0	30	93.458	8/15/2017	8/15/2017
17080343-024B	Soil		0.376	0	0	30	79.787	8/15/2017	8/15/2017
17080343-025B	Soil		0.372	0	0	30	80.645	8/15/2017	8/15/2017
17080343-026B	Soil		0.348	0	0	30	86.207	8/15/2017	8/15/2017
17080343-027B	Soil		0.318	0	0	30	94.340	8/15/2017	8/15/2017
17080343-027BMS	Soil		0.315	0	0	30	95.238	8/15/2017	8/15/2017
17080343-027BMSD	Soil		0.316	0	0	30	94.937	8/15/2017	8/15/2017
17080343-028B	Soil		0.328	0	0	30	91.463	8/15/2017	8/15/2017
17080343-029B	Soil		0.369	0	0	30	81.301	8/15/2017	8/15/2017
17080343-030B	Soil		0.357	0	0	30	84.034	8/15/2017	8/15/2017
17080343-031B	Soil		0.315	0	0	30	95.238	8/15/2017	8/15/2017
17080343-032B	Soil		0.333	0	0	30	90.090	8/15/2017	8/15/2017
17080343-033B	Soil		0.343	0	0	30	87.464	8/15/2017	8/15/2017
17080343-034B	Soil		0.39	0	0	30	76.923	8/15/2017	8/15/2017
17080472-002A	Solid		0.399	0	0	30	75.188	8/15/2017	8/15/2017
17080472-003A	Solid		0.362	0	0	30	82.873	8/15/2017	8/15/2017
17080472-004A	Solid		0.31	0	0	30	96.774	8/15/2017	8/15/2017
17080472-006A	Solid		0.369	0	0	30	81.301	8/15/2017	8/15/2017
17080472-007A	Solid		0.316	0	0	30	94.937	8/15/2017	8/15/2017
17080472-008A	Solid		0.322	0	0	30	93.168	8/15/2017	8/15/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMB2 8/15/17	ZZZZZ	MBLK	mg/Kg	SW7471A	8/15/2017	8/15/2017		CETAC 2_170815D			3742924	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGLCSS2 8/15/17	ZZZZZ	LCS	mg/Kg	SW7471A	8/15/2017	8/15/2017		CETAC 2_170815D			3742982	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
17080343-027BMS	2531V-56-07 (0-6)	MS	mg/Kg-dry	SW7471A	8/15/2017	8/15/2017		CETAC 2_170815D			3742935	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
17080343-027BMSD	2531V-56-07 (0-6)	MSD	mg/Kg-dry	SW7471A	8/15/2017	8/15/2017		CETAC 2_170815D		3742936		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102615

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW2 8/16/17			30	0	0	30	1.000	8/16/2017	8/16/2017
HGLCSW2 8/16/17			30	0	0	30	1.000	8/16/2017	8/16/2017
HGMB SPL 8/15/17			30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-001B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-002B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-003B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-004B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-005B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-006B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-007B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-008B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-009B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-010B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-011B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-012B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-013B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-014B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-015B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-016B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-017B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-018B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-019B	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-001BMS	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017
17080343-001BMSD	Soil		30	0	0	30	1.000	8/16/2017	8/16/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
HGMB SPL 8/15/17	ZZZZZ	MBLK	mg/L	SW1312/7470A	8/16/2017	8/16/2017	CETAC 2_170816F			3744916		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.00006 0.00025 J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-001BMS	2531V-18-08 (0-1)	MS	mg/L	SW1312/7470A	8/16/2017	8/16/2017	CETAC 2_170816F				3744918	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0026 0.00025 0.0025 0.00006 102 75 125 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-001BMSD	2531V-18-08 (0-1)	MSD	mg/L	SW1312/7470A	8/16/2017	8/16/2017	CETAC 2_170816F				3744919	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0026 0.00025 0.0025 0.00006 102 75 125 0.0026 0 20

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBW2 8/16/17	ZZZZZ	MBLK	mg/L	SW7470A	8/16/2017	8/16/2017	CETAC 2_170816F				3744914	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.00006 0.00020 J

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102615

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
HGLCSW2 8/16/17	ZZZZZ	LCS	mg/L	SW7470A	8/16/2017	8/16/2017	CETAC 2_170816F			3744942		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0027	0.00020	0.0025	0.00006	106	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080343	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102674

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 8/18/17			30	0	0	30	1.000	8/18/2017	8/18/2017
HGLCSW1 8/18/17			30	0	0	30	1.000	8/18/2017	8/18/2017
HGMBTA1 8/17/17			30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-001B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-002B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-004B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-007B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-009B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-009BMS	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-009BMSD	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-010B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-011B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-014B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-016B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-017B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-019B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
HGMB SPL 8/17/17			30	0	0	30	1.000	8/18/2017	8/18/2017
17080604-002B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080604-003B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080604-005B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080604-006B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080604-008B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080604-003BMS	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBTA1 8/17/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/18/2017	8/18/2017	CETAC 2_170818B				3747931	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00004	0.00020									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-009BMS	2531V-56-01 (0-6)	MS	mg/L	SW1311/7470A	8/18/2017	8/18/2017	CETAC 2_170818B				3747937	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0028	0.00020	0.0025	0.00004	110	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-009BMSD	2531V-56-01 (0-6)	MSD	mg/L	SW1311/7470A	8/18/2017	8/18/2017	CETAC 2_170818B				3747938	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0029	0.00020	0.0025	0.00004	114	75	125	0.0028	3.51	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBW1 8/18/17	ZZZZZ	MBLK	mg/L	SW7470A	8/18/2017	8/18/2017	CETAC 2_170818B				3747929	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.00020									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.

Work Order: 17080343

Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals

BatchID: 102674

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGLCSW1 8/18/17	ZZZZZ	LCS	mg/L	SW7470A	8/18/2017	8/18/2017	CETAC 2_170818B				3747930	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0029	0.00020	0.0025	0.00004	114	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT:	Huff & Huff, Inc.	ANALYTICAL QC SUMMARY REPORT
Work Order:	17080343	Metals
Project:	81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL	BatchID: 102677

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW2 8/18/17			30	0	0	30	1.000	8/18/2017	8/18/2017
HGLCSW2 8/18/17			30	0	0	30	1.000	8/18/2017	8/18/2017
HGMBTB 8/17/17			30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-003B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-003BMS	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-003BMSD	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-006B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-008B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-012B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-013B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-015B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-005B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-018B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080432-001B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080432-002B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080432-003B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-020B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-021B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-024B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-028B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-033B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBTB 8/17/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/18/2017	8/18/2017	CETAC 2_170818B				3747949	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00004	0.00020									J
Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-003BMS	2531V-43-02 (0-1)	MS	mg/L	SW1311/7470A	8/18/2017	8/18/2017	CETAC 2_170818B				3747953	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0029	0.00020	0.0025	0.00004	114	75	125	0	0		
Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-003BMSD	2531V-43-02 (0-1)	MSD	mg/L	SW1311/7470A	8/18/2017	8/18/2017	CETAC 2_170818B				3747966	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0026	0.00020	0.0025	0.00004	102	75	125	0.0029	10.9	20	
Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGMBW2 8/18/17	ZZZZZ	MBLK	mg/L	SW7470A	8/18/2017	8/18/2017	CETAC 2_170818B				3747947	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.00020									
Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
HGLCSW2 8/18/17	ZZZZZ	LCS	mg/L	SW7470A	8/18/2017	8/18/2017	CETAC 2_170818B				3747948	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0025	0.00020	0.0025	0	100	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Metals
BatchID: 102679

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW3 8/18/17			30	0	0	30	1.000	8/18/2017	8/18/2017
HGLCSW3 8/18/17			30	0	0	30	1.000	8/18/2017	8/18/2017
HGMBTA2 8/17/17			30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-022B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-022BMS	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-022BMSD	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-023B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-025B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-026B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-027B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-029B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-030B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-031B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-032B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017
17080343-034B	Soil		30	0	0	30	1.000	8/18/2017	8/18/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGMBTA2 8/17/17	ZZZZZ	MBLK	mg/L	SW1311/7470A	8/18/2017	8/18/2017		CETAC 2_170818B		3747974		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.00007 0.00020 J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080343-022BMS	2531V-56-05 (6-12)	MS	mg/L	SW1311/7470A	8/18/2017	8/18/2017	CETAC 2_170818B			3747991		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0025 0.00020 0.0025 0.00007 97.2 75 125 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-022BMSD	2531V-56-05 (6-12)	MSD	mg/L	SW1311/7470A	8/18/2017	8/18/2017	CETAC 2_170818B				3747992	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0026 0.00020 0.0025 0.00007 101 75 125 0.0025 3.92 20

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:			SeqNo:	
HGMBW3 8/18/17	ZZZZZ	MBLK	mg/L	SW7470A	8/18/2017	8/18/2017		CETAC 2_170818B			3747972	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.00007 0.00020 J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:		Run ID:		SeqNo:		
HGLCSW3 8/18/17	ZZZZZ	LCS	mg/L	SW7470A	8/18/2017	8/18/2017		CETAC 2_170818B		3747973		
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0025 0.00020 0.0025 0.00007 97.2 85 115 0 0

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134973

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3743020	17080294-010A	SAMP	PH_S	R134973	1	08/15/2017
3743021	17080294-010ADUP	DUP	PH_S	R134973	1	08/15/2017
3743022	17080294-011A	SAMP	PH_S	R134973	1	08/15/2017
3743023	17080319-001B	SAMP	PH_S	R134973	1	08/15/2017
3743024	17080319-002B	SAMP	PH_S	R134973	1	08/15/2017
3743025	17080321-003A	SAMP	PH_S	R134973	1	08/15/2017
3743026	17080321-005A	SAMP	PH_S	R134973	1	08/15/2017
3743027	17080321-008A	SAMP	PH_S	R134973	1	08/15/2017
3743028	17080321-011B	SAMP	PH_S	R134973	1	08/15/2017
3743029	17080328-001B	SAMP	PH_S	R134973	1	08/15/2017
3743030	17080328-002B	SAMP	PH_S	R134973	1	08/15/2017
3743031	17080328-003B	SAMP	PH_S	R134973	1	08/15/2017
3743032	17080328-004B	SAMP	PH_S	R134973	1	08/15/2017
3743033	17080328-005B	SAMP	PH_S	R134973	1	08/15/2017
3743034	17080328-006B	SAMP	PH_S	R134973	1	08/15/2017
3743035	17080338-001B	SAMP	PH_S	R134973	1	08/15/2017
3743036	17080338-003B	SAMP	PH_S	R134973	1	08/15/2017
3743037	17080338-005B	SAMP	PH_S	R134973	1	08/15/2017
3743038	17080343-001B	SAMP	PH_S	R134973	1	08/15/2017
3743039	17080343-002B	SAMP	PH_S	R134973	1	08/15/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:			Run ID:		SeqNo:	
17080294-010ADUP	ZZZZZ	DUP	pH Units	SW9045C	8/15/2017	8/15/2017			PH_170815B		3743021	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH		7.18	0	0	0	0	0	0	7.12	0.839	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R135016

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3744988	17080343-003B	SAMP	PH_S	R135016	1	08/16/2017
3744989	17080343-003BDUP	DUP	PH_S	R135016	1	08/16/2017
3744990	17080343-004B	SAMP	PH_S	R135016	1	08/16/2017
3744991	17080343-005B	SAMP	PH_S	R135016	1	08/16/2017
3744992	17080343-006B	SAMP	PH_S	R135016	1	08/16/2017
3744993	17080343-007B	SAMP	PH_S	R135016	1	08/16/2017
3744994	17080343-009B	SAMP	PH_S	R135016	1	08/16/2017
3744995	17080343-010B	SAMP	PH_S	R135016	1	08/16/2017
3744996	17080343-011B	SAMP	PH_S	R135016	1	08/16/2017
3744997	17080343-012B	SAMP	PH_S	R135016	1	08/16/2017
3744998	17080343-013B	SAMP	PH_S	R135016	1	08/16/2017
3744999	17080343-014B	SAMP	PH_S	R135016	1	08/16/2017
3745000	17080343-015B	SAMP	PH_S	R135016	1	08/16/2017
3745001	17080343-016B	SAMP	PH_S	R135016	1	08/16/2017
3745002	17080343-017B	SAMP	PH_S	R135016	1	08/16/2017
3745003	17080343-018B	SAMP	PH_S	R135016	1	08/16/2017
3745004	17080343-019B	SAMP	PH_S	R135016	1	08/16/2017
3745005	17080343-020B	SAMP	PH_S	R135016	1	08/16/2017
3745006	17080343-021B	SAMP	PH_S	R135016	1	08/16/2017
3746225	17080343-008B	SAMP	PH_S	R135016	1	08/16/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:			SeqNo:		
17080343-003BDUP	2531V-43-02 (0-1)	DUP	pH Units	SW9045C	8/16/2017	8/16/2017	PH_170816A			3744989		
Analyte	Result		PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH	8.76		0	0	0	0	0	0	8.82	0.683	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R135018

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3745009	17080343-022B	SAMP	PH_S	R135018	1	08/16/2017
3745010	17080343-022BDUP	DUP	PH_S	R135018	1	08/16/2017
3745011	17080343-023B	SAMP	PH_S	R135018	1	08/16/2017
3745012	17080343-024B	SAMP	PH_S	R135018	1	08/16/2017
3745013	17080343-025B	SAMP	PH_S	R135018	1	08/16/2017
3745014	17080343-026B	SAMP	PH_S	R135018	1	08/16/2017
3745015	17080343-027B	SAMP	PH_S	R135018	1	08/16/2017
3745016	17080343-028B	SAMP	PH_S	R135018	1	08/16/2017
3745017	17080343-029B	SAMP	PH_S	R135018	1	08/16/2017
3745018	17080343-030B	SAMP	PH_S	R135018	1	08/16/2017
3745019	17080343-031B	SAMP	PH_S	R135018	1	08/16/2017
3745020	17080343-032B	SAMP	PH_S	R135018	1	08/16/2017
3745021	17080343-033B	SAMP	PH_S	R135018	1	08/16/2017
3745022	17080343-034B	SAMP	PH_S	R135018	1	08/16/2017
3745023	17080375-004B	SAMP	PH_S	R135018	1	08/16/2017
3745024	17080375-006B	SAMP	PH_S	R135018	1	08/16/2017
3745025	17080375-007B	SAMP	PH_S	R135018	1	08/16/2017
3745026	17080375-008B	SAMP	PH_S	R135018	1	08/16/2017
3745027	17080384-001A	SAMP	PH_S	R135018	1	08/16/2017
3745028	17080384-002A	SAMP	PH_S	R135018	1	08/16/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-022BDUP	2531V-56-05 (6-12)	DUP	pH Units	SW9045C	8/16/2017	8/16/2017	PH_170816C				3745010	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH		7.41	0	0	0	0	0	0	7.48	0.940	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134940

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3741683	PMBLK2 8/14/17	MBLK	PMOIST	R134940	1	08/15/2017
3741684	PMLCS-S2 8/14/17	LCS	PMOIST	R134940	1	08/15/2017
3741685	PMLCS-W2 8/14/17	LCS	PMOIST	R134940	1	08/15/2017
3741686	17080343-004B	SAMP	PMOIST	R134940	1	08/15/2017
3741687	17080343-004B DUP	DUP	PMOIST	R134940	1	08/15/2017
3741688	17080343-001B	SAMP	PMOIST	R134940	1	08/15/2017
3741689	17080343-002B	SAMP	PMOIST	R134940	1	08/15/2017
3741690	17080343-003B	SAMP	PMOIST	R134940	1	08/15/2017
3741691	17080343-005B	SAMP	PMOIST	R134940	1	08/15/2017
3741692	17080343-006B	SAMP	PMOIST	R134940	1	08/15/2017
3741693	17080343-007B	SAMP	PMOIST	R134940	1	08/15/2017
3741694	17080343-008B	SAMP	PMOIST	R134940	1	08/15/2017
3741695	17080343-009B	SAMP	PMOIST	R134940	1	08/15/2017
3741696	17080343-010B	SAMP	PMOIST	R134940	1	08/15/2017
3741697	17080343-011B	SAMP	PMOIST	R134940	1	08/15/2017
3741698	17080343-012B	SAMP	PMOIST	R134940	1	08/15/2017
3741699	17080343-013B	SAMP	PMOIST	R134940	1	08/15/2017
3741700	17080343-014B	SAMP	PMOIST	R134940	1	08/15/2017
3741701	17080343-015B	SAMP	PMOIST	R134940	1	08/15/2017
3741702	17080343-016B	SAMP	PMOIST	R134940	1	08/15/2017
3741703	17080343-017B	SAMP	PMOIST	R134940	1	08/15/2017
3741704	17080343-018B	SAMP	PMOIST	R134940	1	08/15/2017
3741705	17080343-019B	SAMP	PMOIST	R134940	1	08/15/2017
3741706	17080343-020B	SAMP	PMOIST	R134940	1	08/15/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMBLK2 8/14/17	ZZZZZ	MBLK	wt%	D2974	8/14/2017	8/15/2017	BALANCE_170814B				3741683	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		ND	0.200									*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-S2 8/14/17	ZZZZZ	LCS	wt%	D2974	8/14/2017	8/15/2017	BALANCE_170814B				3741684	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		4.86	0.200	5	0	97.2	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-W2 8/14/17	ZZZZZ	LCS	wt%	D2974	8/14/2017	8/15/2017	BALANCE_170814B				3741685	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		99.82	0.200	99.8	0	100	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080343-004B DUP	2531V-43-03 (0-1)	DUP	wt%	D2974	8/14/2017	8/15/2017	BALANCE_170814B				3741687	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		16.7	0.200	0	0	0	0	0	18.29	9.09	20	*

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Huff & Huff, Inc.
Work Order: 17080343
Project: 81.0220509.04, 2531V-IL 59 at US 20, Bartlett, IL

ANALYTICAL QC SUMMARY REPORT

Wet Chemistry
BatchID: R134941

ANALYTICAL RUN SUMMARY

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
3741721	PMBLK3 8/14/17	MBLK	PMOIST	R134941	1	08/15/2017
3741722	PMLCS-S3 8/14/17	LCS	PMOIST	R134941	1	08/15/2017
3741723	PMLCS-W3 8/14/17	LCS	PMOIST	R134941	1	08/15/2017
3741724	17080328-001B	SAMP	PMOIST	R134941	1	08/15/2017
3741725	17080328-001B DUP	DUP	PMOIST	R134941	1	08/15/2017
3741726	17080328-002B	SAMP	PMOIST	R134941	1	08/15/2017
3741727	17080328-003B	SAMP	PMOIST	R134941	1	08/15/2017
3741728	17080328-004B	SAMP	PMOIST	R134941	1	08/15/2017
3741729	17080328-005B	SAMP	PMOIST	R134941	1	08/15/2017
3741730	17080328-006B	SAMP	PMOIST	R134941	1	08/15/2017
3741731	17080343-021B	SAMP	PMOIST	R134941	1	08/15/2017
3741732	17080343-022B	SAMP	PMOIST	R134941	1	08/15/2017
3741733	17080343-023B	SAMP	PMOIST	R134941	1	08/15/2017
3741734	17080343-024B	SAMP	PMOIST	R134941	1	08/15/2017
3741735	17080343-025B	SAMP	PMOIST	R134941	1	08/15/2017
3741736	17080343-026B	SAMP	PMOIST	R134941	1	08/15/2017
3741737	17080343-027B	SAMP	PMOIST	R134941	1	08/15/2017
3741738	17080343-028B	SAMP	PMOIST	R134941	1	08/15/2017
3741739	17080343-029B	SAMP	PMOIST	R134941	1	08/15/2017
3741740	17080343-030B	SAMP	PMOIST	R134941	1	08/15/2017
3741741	17080343-031B	SAMP	PMOIST	R134941	1	08/15/2017
3741742	17080343-032B	SAMP	PMOIST	R134941	1	08/15/2017
3741743	17080343-033B	SAMP	PMOIST	R134941	1	08/15/2017
3741744	17080343-034B	SAMP	PMOIST	R134941	1	08/15/2017

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMBLK3 8/14/17	ZZZZZ	MBLK	wt%	D2974	8/14/2017	8/15/2017	BALANCE_170814C				3741721	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		ND	0.200									*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-S3 8/14/17	ZZZZZ	LCS	wt%	D2974	8/14/2017	8/15/2017	BALANCE_170814C				3741722	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		4.68	0.200	5	0	93.6	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
PMLCS-W3 8/14/17	ZZZZZ	LCS	wt%	D2974	8/14/2017	8/15/2017	BALANCE_170814C				3741723	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		99.84	0.200	99.8	0	100	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:	
17080328-001B DUP	ZZZZZ	DUP	wt%	D2974	8/14/2017	8/15/2017	BALANCE_170814C				3741725	
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		20.72	0.200	0	0	0	0	0	20.26	2.24	20	*

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded