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ANALYTICAL REPORT

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Laboratory Job ID: 500-167373-1
Client Project/Site: Rock River Sediment Removal, Janesville

For:
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Attn: Mr. Daniel Dunn

Authorized for release by:
7/31/2019 4:11:56 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Narrative

Job Narrative
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Comments
No additional comments.

Receipt
The samples were received on 7/26/2019 3:49 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8° C.

GC/MS Semi VOA
Method(s) 8270D: The following samples contained one base surrogate outside acceptance limits: The laboratory's SOP allows one base surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.Solid Sample #7 (500-167373-5) and Solid Sample #14 (500-167373-12)

Method(s) 8270D: Internal standard (ISTD 5 & 6) responses were outside of acceptance limits for the following sample: Solid Sample #14 (500-167373-12). The sample shows evidence of matrix interference. The sample was further diluted to get the ISTD's in control. All analytes associated with these internals were reported from the dilution.

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: Solid Sample #0 (500-167373-8), Solid Sample #11 (500-167373-9), Solid Sample #13 (500-167373-11) and Solid Sample #14 (500-167373-12). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 500-497085 and analytical batch 500-497178 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recoveries were within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method(s) 8082A: The following sample appears to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: QC #1 (500-167373-1) and Solid Sample #12 (500-167373-10). The sample(s) has been quantified and reported as Aroclor PCB-1254. Due to the poor match with the Aroclor standard, there is increased qualitative and quantitative uncertainty associated with this result.

Method(s) 8082A: The following samples were diluted due to the nature of the sample matrix: QC #2 (500-167373-2), Solid sample #1-300yds (500-167373-3), Solid Sample #7 (500-167373-5), Solid Sample #8 (500-167373-6), Solid Sample #9 (500-167373-7), Solid Sample #0 (500-167373-8), Solid Sample #11 (500-167373-9), Solid Sample #12 (500-167373-10), Solid Sample #13 (500-167373-11) and Solid Sample #14 (500-167373-12). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: The following samples required a mercury clean-up, via EPA Method 3660A, to reduce matrix interferences caused by sulfur: QC #1 (500-167373-1), QC #2 (500-167373-2), Solid sample #1-300yds (500-167373-3), Solid Sample #7 (500-167373-5), Solid Sample #8 (500-167373-6), Solid Sample #9 (500-167373-7), Solid Sample #0 (500-167373-8), Solid Sample #11 (500-167373-9), Solid Sample #12 (500-167373-10), Solid Sample #13 (500-167373-11), Solid Sample #14 (500-167373-12), (500-167373-A-1-B MS) and (500-167373-A-1-C MSD). The reagent lot number used was: 190938.

Method(s) 8082A: DCB Decachlorobiphenyl surrogate recovery for the following samples was outside the upper control limit: QC #2 (500-167373-2), Solid Sample #8 (500-167373-6) and Solid Sample #11 (500-167373-9). These samples did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010B: The continuing calibration Blank (CCB) at line 39 was outside the control limits for Chromium bracketing the method

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Laboratory: Eurofins TestAmerica, Chicago (Continued)

blank (MB) and laboratory control sample (LCS). The MB and LCS was within the method control limits. The associated sample QC #1 (500-167373-1), QC #2 (500-167373-2), Solid sample #1-300yds (500-167373-3), Solid Sample #7 (500-167373-5), Solid Sample #8 (500-167373-6), Solid Sample #9 (500-167373-7), Solid Sample #0 (500-167373-8), Solid Sample #11 (500-167373-9), Solid Sample #12 (500-167373-10), Solid Sample #13 (500-167373-11) and Solid Sample #14 (500-167373-12) was bracketed with continuing calibration blanks that were within control limits, therefore the data has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: EnviroAnalytics Group LLC
Job ID: 500-167373-1
Project/Site: Rock River Sediment Removal, Janesville

Client Sample ID: QC #1
Lab Sample ID: 500-167373-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.0095	J	0.041	0.0074	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.0058	J F1	0.041	0.0054	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.031	J	0.041	0.0069	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.19		0.041	0.0055	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.24		0.041	0.0079	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.31	F1 F2	0.041	0.0089	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.12	F1	0.041	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.14		0.041	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.23		0.041	0.011	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.033	J F1	0.041	0.0079	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.47	F2	0.041	0.0076	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.012	J	0.041	0.0058	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.12	F1	0.041	0.011	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.0076	J F1 F2	0.041	0.0063	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.21	F2	0.041	0.0057	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.39	F2	0.041	0.0082	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.010	J F1	0.083	0.0075	mg/Kg	1	☼	8270D	Total/NA
PCB-1254	0.060		0.020	0.0043	mg/Kg	1	☼	8082A	Total/NA
Arsenic	1.2		1.1	0.37	mg/Kg	1	☼	6010B	Total/NA
Barium	39		1.1	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.33	B	0.22	0.039	mg/Kg	1	☼	6010B	Total/NA
Chromium	8.8		1.1	0.54	mg/Kg	1	☼	6010B	Total/NA
Lead	64		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.66	J B	1.1	0.64	mg/Kg	1	☼	6010B	Total/NA
Silver	0.70		0.55	0.14	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.12		0.019	0.0063	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: QC #2
Lab Sample ID: 500-167373-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.012	J	0.041	0.0074	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.0084	J	0.041	0.0054	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.043		0.041	0.0069	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.18		0.041	0.0055	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.22		0.041	0.0080	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.27		0.041	0.0089	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.10		0.041	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.12		0.041	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.21		0.041	0.011	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.028	J	0.041	0.0080	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.37		0.041	0.0076	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.015	J	0.041	0.0058	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.10		0.041	0.011	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.013	J	0.041	0.0063	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.18		0.041	0.0057	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.33		0.041	0.0082	mg/Kg	1	☼	8270D	Total/NA
1-Methylnaphthalene	0.016	J	0.083	0.010	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.032	J	0.083	0.0076	mg/Kg	1	☼	8270D	Total/NA
Arsenic	1.6		1.1	0.37	mg/Kg	1	☼	6010B	Total/NA
Barium	63		1.1	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.43	B	0.22	0.039	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: QC #2 (Continued)
Lab Sample ID: 500-167373-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chromium	13		1.1	0.53	mg/Kg	1	☼	6010B	Total/NA
Lead	150		0.54	0.25	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.73	J B	1.1	0.64	mg/Kg	1	☼	6010B	Total/NA
Silver	0.96		0.54	0.14	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.39		0.021	0.0069	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: Solid sample #1-300yds
Lab Sample ID: 500-167373-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.031	J	0.036	0.0065	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.014	J	0.036	0.0048	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.11		0.036	0.0061	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.44		0.036	0.0049	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.46		0.036	0.0070	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.63		0.036	0.0078	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.16		0.036	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.32		0.036	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.48		0.036	0.0099	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.051		0.036	0.0070	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.99		0.036	0.0067	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.035	J	0.036	0.0051	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.17		0.036	0.0094	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.020	J	0.036	0.0056	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.46		0.036	0.0051	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.82		0.036	0.0072	mg/Kg	1	☼	8270D	Total/NA
1-Methylnaphthalene	0.019	J	0.073	0.0089	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.031	J	0.073	0.0067	mg/Kg	1	☼	8270D	Total/NA
Arsenic	1.8		1.0	0.36	mg/Kg	1	☼	6010B	Total/NA
Barium	84		1.0	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.61	B	0.21	0.037	mg/Kg	1	☼	6010B	Total/NA
Chromium	18		1.0	0.51	mg/Kg	1	☼	6010B	Total/NA
Lead	210		0.52	0.24	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.75	J B	1.0	0.61	mg/Kg	1	☼	6010B	Total/NA
Silver	0.94		0.52	0.13	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.081		0.019	0.0062	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: Solid Sample #7
Lab Sample ID: 500-167373-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.016	J	0.042	0.0075	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.012	J	0.042	0.0055	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.044		0.042	0.0070	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.11		0.042	0.0056	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.17		0.042	0.0081	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.20		0.042	0.0090	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.058		0.042	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.12		0.042	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.17		0.042	0.011	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.019	J	0.042	0.0081	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.29		0.042	0.0077	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.023	J	0.042	0.0059	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.068		0.042	0.011	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: EnviroAnalytics Group LLC
Job ID: 500-167373-1
Project/Site: Rock River Sediment Removal, Janesville

Client Sample ID: Solid Sample #7 (Continued)
Lab Sample ID: 500-167373-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.056		0.042	0.0064	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.20		0.042	0.0058	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.28		0.042	0.0083	mg/Kg	1	☼	8270D	Total/NA
1-Methylnaphthalene	0.044	J	0.084	0.010	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.081	J	0.084	0.0077	mg/Kg	1	☼	8270D	Total/NA
Arsenic	3.7		1.2	0.40	mg/Kg	1	☼	6010B	Total/NA
Barium	160		1.2	0.13	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.58	B	0.23	0.042	mg/Kg	1	☼	6010B	Total/NA
Chromium	19		1.2	0.57	mg/Kg	1	☼	6010B	Total/NA
Lead	630		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Silver	0.91		0.58	0.15	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.47		0.021	0.0069	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: Solid Sample #8
Lab Sample ID: 500-167373-6

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.020	J	0.040	0.0073	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.0099	J	0.040	0.0054	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.11		0.040	0.0068	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.42		0.040	0.0055	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.44		0.040	0.0079	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.64		0.040	0.0088	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.14		0.040	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.19		0.040	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.44		0.040	0.011	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.046		0.040	0.0079	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.98		0.040	0.0076	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.026	J	0.040	0.0057	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.16		0.040	0.011	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.031	J	0.040	0.0063	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.45		0.040	0.0057	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.78		0.040	0.0081	mg/Kg	1	☼	8270D	Total/NA
1-Methylnaphthalene	0.029	J	0.082	0.010	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.051	J	0.082	0.0075	mg/Kg	1	☼	8270D	Total/NA
Arsenic	1.8		1.1	0.37	mg/Kg	1	☼	6010B	Total/NA
Barium	77		1.1	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.42	B	0.22	0.039	mg/Kg	1	☼	6010B	Total/NA
Chromium	12		1.1	0.54	mg/Kg	1	☼	6010B	Total/NA
Lead	320		0.54	0.25	mg/Kg	1	☼	6010B	Total/NA
Silver	0.72		0.54	0.14	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.62		0.021	0.0068	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: Solid Sample #9
Lab Sample ID: 500-167373-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.015	J	0.033	0.0060	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.0096	J	0.033	0.0044	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.064		0.033	0.0056	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.20		0.033	0.0045	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.25		0.033	0.0065	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.33		0.033	0.0072	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.073		0.033	0.011	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Solid Sample #9 (Continued)
Lab Sample ID: 500-167373-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Benzo[k]fluoranthene	0.17		0.033	0.0099	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.26		0.033	0.0091	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.022	J	0.033	0.0065	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.50		0.033	0.0062	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.022	J	0.033	0.0047	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.081		0.033	0.0087	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.041		0.033	0.0051	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.28		0.033	0.0047	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.40		0.033	0.0066	mg/Kg	1	☼	8270D	Total/NA
1-Methylnaphthalene	0.040	J	0.067	0.0082	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.072		0.067	0.0062	mg/Kg	1	☼	8270D	Total/NA
Arsenic	1.6		0.87	0.30	mg/Kg	1	☼	6010B	Total/NA
Barium	76		0.87	0.099	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.31	B	0.17	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	14		0.87	0.43	mg/Kg	1	☼	6010B	Total/NA
Lead	200		0.44	0.20	mg/Kg	1	☼	6010B	Total/NA
Silver	0.71		0.44	0.11	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.35		0.017	0.0056	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: Solid Sample #0
Lab Sample ID: 500-167373-8

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.12	J	0.36	0.065	mg/Kg	10	☼	8270D	Total/NA
Anthracene	0.40		0.36	0.061	mg/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	1.2		0.36	0.049	mg/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	1.4		0.36	0.070	mg/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	2.0		0.36	0.078	mg/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.37		0.36	0.12	mg/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.67		0.36	0.11	mg/Kg	10	☼	8270D	Total/NA
Chrysene	1.3		0.36	0.099	mg/Kg	10	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.11	J	0.36	0.070	mg/Kg	10	☼	8270D	Total/NA
Fluoranthene	2.5		0.36	0.067	mg/Kg	10	☼	8270D	Total/NA
Fluorene	0.16	J	0.36	0.051	mg/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.44		0.36	0.094	mg/Kg	10	☼	8270D	Total/NA
Naphthalene	0.11	J	0.36	0.056	mg/Kg	10	☼	8270D	Total/NA
Phenanthrene	1.6		0.36	0.051	mg/Kg	10	☼	8270D	Total/NA
Pyrene	2.3		0.36	0.072	mg/Kg	10	☼	8270D	Total/NA
1-Methylnaphthalene	0.12	J	0.73	0.089	mg/Kg	10	☼	8270D	Total/NA
2-Methylnaphthalene	0.18	J	0.73	0.067	mg/Kg	10	☼	8270D	Total/NA
Arsenic	4.0		1.0	0.34	mg/Kg	1	☼	6010B	Total/NA
Barium	160		1.0	0.11	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.89	B	0.20	0.036	mg/Kg	1	☼	6010B	Total/NA
Chromium	31		1.0	0.49	mg/Kg	1	☼	6010B	Total/NA
Lead	720		0.50	0.23	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.73	J B	1.0	0.59	mg/Kg	1	☼	6010B	Total/NA
Silver	0.95		0.50	0.13	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.33		0.018	0.0059	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: Solid Sample #11
Lab Sample ID: 500-167373-9

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.23	J	0.43	0.078	mg/Kg	10	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Solid Sample #11 (Continued)
Lab Sample ID: 500-167373-9

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.095	J	0.43	0.057	mg/Kg	10	☼	8270D	Total/NA
Anthracene	0.46		0.43	0.072	mg/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	1.4		0.43	0.058	mg/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	1.5		0.43	0.084	mg/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	2.2		0.43	0.093	mg/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.40	J	0.43	0.14	mg/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.80		0.43	0.13	mg/Kg	10	☼	8270D	Total/NA
Chrysene	1.6		0.43	0.12	mg/Kg	10	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.13	J	0.43	0.084	mg/Kg	10	☼	8270D	Total/NA
Fluoranthene	2.9		0.43	0.080	mg/Kg	10	☼	8270D	Total/NA
Fluorene	0.25	J	0.43	0.061	mg/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.54		0.43	0.11	mg/Kg	10	☼	8270D	Total/NA
Naphthalene	0.58		0.43	0.067	mg/Kg	10	☼	8270D	Total/NA
Phenanthrene	2.4		0.43	0.060	mg/Kg	10	☼	8270D	Total/NA
Pyrene	2.8		0.43	0.086	mg/Kg	10	☼	8270D	Total/NA
1-Methylnaphthalene	0.51	J	0.87	0.11	mg/Kg	10	☼	8270D	Total/NA
2-Methylnaphthalene	0.91		0.87	0.080	mg/Kg	10	☼	8270D	Total/NA
Arsenic	3.9		1.1	0.39	mg/Kg	1	☼	6010B	Total/NA
Barium	620		1.1	0.13	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.88	B	0.23	0.041	mg/Kg	1	☼	6010B	Total/NA
Chromium	46		1.1	0.56	mg/Kg	1	☼	6010B	Total/NA
Lead	490		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.83	J B	1.1	0.67	mg/Kg	1	☼	6010B	Total/NA
Silver	0.96		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Mercury	3.4		0.20	0.068	mg/Kg	10	☼	7471B	Total/NA

Client Sample ID: Solid Sample #12
Lab Sample ID: 500-167373-10

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.16		0.034	0.0061	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.010	J	0.034	0.0045	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.30		0.034	0.0057	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.96		0.034	0.0046	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.91		0.034	0.0065	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	1.4		0.034	0.0073	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.27		0.034	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.56		0.034	0.010	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.98		0.034	0.0092	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.088		0.034	0.0065	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	2.3		0.034	0.0063	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.17		0.034	0.0048	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.28		0.034	0.0088	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.069		0.034	0.0052	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	1.7		0.034	0.0047	mg/Kg	1	☼	8270D	Total/NA
Pyrene	1.8		0.034	0.0067	mg/Kg	1	☼	8270D	Total/NA
1-Methylnaphthalene	0.033	J	0.068	0.0083	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.044	J	0.068	0.0062	mg/Kg	1	☼	8270D	Total/NA
PCB-1254	0.16	J	0.17	0.037	mg/Kg	10	☼	8082A	Total/NA
Arsenic	0.97		0.95	0.33	mg/Kg	1	☼	6010B	Total/NA
Barium	28		0.95	0.11	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.29	B	0.19	0.034	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Solid Sample #12 (Continued) — Lab Sample ID: 500-167373-10

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chromium	6.9		0.95	0.47	mg/Kg	1	☼	6010B	Total/NA
Lead	17		0.48	0.22	mg/Kg	1	☼	6010B	Total/NA
Silver	0.87		0.48	0.12	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.13		0.016	0.0054	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: Solid Sample #13 — Lab Sample ID: 500-167373-11

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.084	J	0.37	0.067	mg/Kg	10	☼	8270D	Total/NA
Anthracene	0.18	J	0.37	0.063	mg/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	0.65		0.37	0.050	mg/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	0.76		0.37	0.073	mg/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.95		0.37	0.081	mg/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.18	J	0.37	0.12	mg/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.45		0.37	0.11	mg/Kg	10	☼	8270D	Total/NA
Chrysene	0.71		0.37	0.10	mg/Kg	10	☼	8270D	Total/NA
Fluoranthene	1.3		0.37	0.070	mg/Kg	10	☼	8270D	Total/NA
Fluorene	0.082	J	0.37	0.053	mg/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.29	J	0.37	0.097	mg/Kg	10	☼	8270D	Total/NA
Naphthalene	0.093	J	0.37	0.058	mg/Kg	10	☼	8270D	Total/NA
Phenanthrene	0.83		0.37	0.052	mg/Kg	10	☼	8270D	Total/NA
Pyrene	1.2		0.37	0.075	mg/Kg	10	☼	8270D	Total/NA
2-Methylnaphthalene	0.13	J	0.76	0.069	mg/Kg	10	☼	8270D	Total/NA
Arsenic	1.8		0.97	0.33	mg/Kg	1	☼	6010B	Total/NA
Barium	110		0.97	0.11	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.53	B	0.19	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	17		0.97	0.48	mg/Kg	1	☼	6010B	Total/NA
Lead	170		0.49	0.22	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.84	J B	0.97	0.57	mg/Kg	1	☼	6010B	Total/NA
Silver	0.99		0.49	0.13	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.50	F2	0.018	0.0059	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: Solid Sample #14 — Lab Sample ID: 500-167373-12

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.070	J	0.17	0.030	mg/Kg	5	☼	8270D	Total/NA
Acenaphthylene	0.023	J	0.17	0.022	mg/Kg	5	☼	8270D	Total/NA
Anthracene	0.16	J	0.17	0.028	mg/Kg	5	☼	8270D	Total/NA
Fluoranthene	0.74		0.17	0.031	mg/Kg	5	☼	8270D	Total/NA
Fluorene	0.081	J	0.17	0.024	mg/Kg	5	☼	8270D	Total/NA
Naphthalene	0.16	J	0.17	0.026	mg/Kg	5	☼	8270D	Total/NA
Phenanthrene	0.65		0.17	0.023	mg/Kg	5	☼	8270D	Total/NA
1-Methylnaphthalene	0.15	J	0.34	0.041	mg/Kg	5	☼	8270D	Total/NA
2-Methylnaphthalene	0.26	J	0.34	0.031	mg/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene - DL	0.47		0.33	0.045	mg/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene - DL	0.55		0.33	0.065	mg/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene - DL	0.75		0.33	0.072	mg/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene - DL	0.15	J	0.33	0.11	mg/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene - DL	0.32	J	0.33	0.099	mg/Kg	10	☼	8270D	Total/NA
Chrysene - DL	0.59		0.33	0.091	mg/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene - DL	0.24	J	0.33	0.087	mg/Kg	10	☼	8270D	Total/NA
Pyrene - DL	0.91		0.33	0.067	mg/Kg	10	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Solid Sample #14 (Continued)
Lab Sample ID: 500-167373-12

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.8		0.90	0.31	mg/Kg	1	☼	6010B	Total/NA
Barium	460		0.90	0.10	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.81	B	0.18	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	34		0.90	0.44	mg/Kg	1	☼	6010B	Total/NA
Lead	710		0.45	0.21	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.70	J B	0.90	0.53	mg/Kg	1	☼	6010B	Total/NA
Silver	0.83		0.45	0.12	mg/Kg	1	☼	6010B	Total/NA
Mercury	1.4		0.077	0.026	mg/Kg	5	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: EnviroAnalytics Group LLC
Job ID: 500-167373-1
Project/Site: Rock River Sediment Removal, Janesville

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: EnviroAnalytics Group LLC
Job ID: 500-167373-1
Project/Site: Rock River Sediment Removal, Janesville

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-167373-1	QC #1	Solid	07/24/19 00:00	07/26/19 15:49	
500-167373-2	QC #2	Solid	07/24/19 00:00	07/26/19 15:49	
500-167373-3	Solid sample #1-300yds	Solid	07/25/19 00:00	07/26/19 15:49	
500-167373-5	Solid Sample #7	Solid	07/25/19 00:00	07/26/19 15:49	
500-167373-6	Solid Sample #8	Solid	07/25/19 00:00	07/26/19 15:49	
500-167373-7	Solid Sample #9	Solid	07/25/19 00:00	07/26/19 15:49	
500-167373-8	Solid Sample #0	Solid	07/25/19 00:00	07/26/19 15:49	
500-167373-9	Solid Sample #11	Solid	07/25/19 00:00	07/26/19 15:49	
500-167373-10	Solid Sample #12	Solid	07/25/19 00:00	07/26/19 15:49	
500-167373-11	Solid Sample #13	Solid	07/25/19 00:00	07/26/19 15:49	
500-167373-12	Solid Sample #14	Solid	07/25/19 00:00	07/26/19 15:49	

Client Sample ID: QC #1
Date Collected: 07/24/19 00:00
Date Received: 07/26/19 15:49

Lab Sample ID: 500-167373-1
Matrix: Solid
Percent Solids: 80.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0095**	**J**	0.041	0.0074	mg/Kg	☼	07/29/19 08:28	07/29/19 20:16	1
Acenaphthylene	**0.0058**	**J F1**	0.041	0.0054	mg/Kg	☼	07/29/19 08:28	07/29/19 20:16	1
Anthracene	**0.031**	**J**	0.041	0.0069	mg/Kg	☼	07/29/19 08:28	07/29/19 20:16	1
Benzo[a]anthracene	**0.19**		0.041	0.0055	mg/Kg	☼	07/29/19 08:28	07/29/19 20:16	1
Benzo[a]pyrene	**0.24**		0.041	0.0079	mg/Kg	☼	07/29/19 08:28	07/29/19 20:16	1
Benzo[b]fluoranthene	**0.31**	**F1 F2**	0.041	0.0089	mg/Kg	☼	07/29/19 08:28	07/29/19 20:16	1
Benzo[g,h,i]perylene	**0.12**	**F1**	0.041	0.013	mg/Kg	☼	07/29/19 08:28	07/29/19 20:16	1
Benzo[k]fluoranthene	**0.14**		0.041	0.012	mg/Kg	☼	07/29/19 08:28	07/29/19 20:16	1
Chrysene	**0.23**		0.041	0.011	mg/Kg	☼	07/29/19 08:28	07/29/19 20:16	1
Dibenz(a,h)anthracene	**0.033**	**J F1**	0.041	0.0079	mg/Kg	☼	07/29/19 08:28	07/29/19 20:16	1
Fluoranthene	**0.47**	**F2**	0.041	0.0076	mg/Kg	☼	07/29/19 08:28	07/29/19 20:16	1
Fluorene	**0.012**	**J**	0.041	0.0058	mg/Kg	☼	07/29/19 08:28	07/29/19 20:16	1
Indeno[1,2,3-cd]pyrene	**0.12**	**F1**	0.041	0.011	mg/Kg	☼	07/29/19 08:28	07/29/19 20:16	1
Naphthalene	**0.0076**	**J F1 F2**	0.041	0.0063	mg/Kg	☼	07/29/19 08:28	07/29/19 20:16	1
Phenanthrene	**0.21**	**F2**	0.041	0.0057	mg/Kg	☼	07/29/19 08:28	07/29/19 20:16	1
Pyrene	**0.39**	**F2**	0.041	0.0082	mg/Kg	☼	07/29/19 08:28	07/29/19 20:16	1
1-Methylnaphthalene	<0.010	F1	0.083	0.010	mg/Kg	☼	07/29/19 08:28	07/29/19 20:16	1
2-Methylnaphthalene	**0.010**	**J F1**	0.083	0.0075	mg/Kg	☼	07/29/19 08:28	07/29/19 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*53*		*37 - 147*	*07/29/19 08:28*	*07/29/19 20:16*	*1*
Terphenyl-d14 (Surr)	*105*		*42 - 157*	*07/29/19 08:28*	*07/29/19 20:16*	*1*
2-Fluorobiphenyl (Surr)	*68*		*43 - 145*	*07/29/19 08:28*	*07/29/19 20:16*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0071	F2	0.020	0.0071	mg/Kg	☼	07/29/19 08:25	07/29/19 16:11	1
PCB-1221	<0.0088		0.020	0.0088	mg/Kg	☼	07/29/19 08:25	07/29/19 16:11	1
PCB-1232	<0.0087		0.020	0.0087	mg/Kg	☼	07/29/19 08:25	07/29/19 16:11	1
PCB-1242	<0.0066		0.020	0.0066	mg/Kg	☼	07/29/19 08:25	07/29/19 16:11	1
PCB-1248	<0.0079		0.020	0.0079	mg/Kg	☼	07/29/19 08:25	07/29/19 16:11	1
PCB-1254	**0.060**		0.020	0.0043	mg/Kg	☼	07/29/19 08:25	07/29/19 16:11	1
PCB-1260	<0.0098	F1 F2	0.020	0.0098	mg/Kg	☼	07/29/19 08:25	07/29/19 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*49 - 129*	*07/29/19 08:25*	*07/29/19 16:11*	*1*
DCB Decachlorobiphenyl	*87*		*37 - 121*	*07/29/19 08:25*	*07/29/19 16:11*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.2**		1.1	0.37	mg/Kg	☼	07/30/19 08:34	07/30/19 16:36	1
Barium	**39**		1.1	0.12	mg/Kg	☼	07/30/19 08:34	07/30/19 16:36	1
Cadmium	**0.33**	**B**	0.22	0.039	mg/Kg	☼	07/30/19 08:34	07/30/19 16:36	1
Chromium	**8.8**		1.1	0.54	mg/Kg	☼	07/30/19 08:34	07/30/19 16:36	1
Lead	**64**		0.55	0.25	mg/Kg	☼	07/30/19 08:34	07/30/19 16:36	1
Selenium	**0.66**	**J B**	1.1	0.64	mg/Kg	☼	07/30/19 08:34	07/30/19 16:36	1
Silver	**0.70**		0.55	0.14	mg/Kg	☼	07/30/19 08:34	07/30/19 16:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.12**		0.019	0.0063	mg/Kg	☼	07/30/19 14:15	07/31/19 08:22	1

Client Sample ID: QC #2
Date Collected: 07/24/19 00:00
Date Received: 07/26/19 15:49

Lab Sample ID: 500-167373-2
Matrix: Solid
Percent Solids: 77.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.012	J	0.041	0.0074	mg/Kg	☼	07/29/19 08:28	07/29/19 20:41	1
Acenaphthylene	0.0084	J	0.041	0.0054	mg/Kg	☼	07/29/19 08:28	07/29/19 20:41	1
Anthracene	0.043		0.041	0.0069	mg/Kg	☼	07/29/19 08:28	07/29/19 20:41	1
Benzo[a]anthracene	0.18		0.041	0.0055	mg/Kg	☼	07/29/19 08:28	07/29/19 20:41	1
Benzo[a]pyrene	0.22		0.041	0.0080	mg/Kg	☼	07/29/19 08:28	07/29/19 20:41	1
Benzo[b]fluoranthene	0.27		0.041	0.0089	mg/Kg	☼	07/29/19 08:28	07/29/19 20:41	1
Benzo[g,h,i]perylene	0.10		0.041	0.013	mg/Kg	☼	07/29/19 08:28	07/29/19 20:41	1
Benzo[k]fluoranthene	0.12		0.041	0.012	mg/Kg	☼	07/29/19 08:28	07/29/19 20:41	1
Chrysene	0.21		0.041	0.011	mg/Kg	☼	07/29/19 08:28	07/29/19 20:41	1
Dibenz(a,h)anthracene	0.028	J	0.041	0.0080	mg/Kg	☼	07/29/19 08:28	07/29/19 20:41	1
Fluoranthene	0.37		0.041	0.0076	mg/Kg	☼	07/29/19 08:28	07/29/19 20:41	1
Fluorene	0.015	J	0.041	0.0058	mg/Kg	☼	07/29/19 08:28	07/29/19 20:41	1
Indeno[1,2,3-cd]pyrene	0.10		0.041	0.011	mg/Kg	☼	07/29/19 08:28	07/29/19 20:41	1
Naphthalene	0.013	J	0.041	0.0063	mg/Kg	☼	07/29/19 08:28	07/29/19 20:41	1
Phenanthrene	0.18		0.041	0.0057	mg/Kg	☼	07/29/19 08:28	07/29/19 20:41	1
Pyrene	0.33		0.041	0.0082	mg/Kg	☼	07/29/19 08:28	07/29/19 20:41	1
1-Methylnaphthalene	0.016	J	0.083	0.010	mg/Kg	☼	07/29/19 08:28	07/29/19 20:41	1
2-Methylnaphthalene	0.032	J	0.083	0.0076	mg/Kg	☼	07/29/19 08:28	07/29/19 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*49*		*37 - 147*	*07/29/19 08:28*	*07/29/19 20:41*	*1*
Terphenyl-d14 (Surr)	*93*		*42 - 157*	*07/29/19 08:28*	*07/29/19 20:41*	*1*
2-Fluorobiphenyl (Surr)	*63*		*43 - 145*	*07/29/19 08:28*	*07/29/19 20:41*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.072		0.20	0.072	mg/Kg	☼	07/29/19 08:25	07/29/19 16:58	10
PCB-1221	<0.090		0.20	0.090	mg/Kg	☼	07/29/19 08:25	07/29/19 16:58	10
PCB-1232	<0.089		0.20	0.089	mg/Kg	☼	07/29/19 08:25	07/29/19 16:58	10
PCB-1242	<0.067		0.20	0.067	mg/Kg	☼	07/29/19 08:25	07/29/19 16:58	10
PCB-1248	<0.080		0.20	0.080	mg/Kg	☼	07/29/19 08:25	07/29/19 16:58	10
PCB-1254	<0.044		0.20	0.044	mg/Kg	☼	07/29/19 08:25	07/29/19 16:58	10
PCB-1260	<0.10		0.20	0.10	mg/Kg	☼	07/29/19 08:25	07/29/19 16:58	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*125*		*49 - 129*	*07/29/19 08:25*	*07/29/19 16:58*	*10*
DCB Decachlorobiphenyl	*133*	*X*	*37 - 121*	*07/29/19 08:25*	*07/29/19 16:58*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.6		1.1	0.37	mg/Kg	☼	07/30/19 08:34	07/30/19 16:40	1
Barium	63		1.1	0.12	mg/Kg	☼	07/30/19 08:34	07/30/19 16:40	1
Cadmium	0.43	B	0.22	0.039	mg/Kg	☼	07/30/19 08:34	07/30/19 16:40	1
Chromium	13		1.1	0.53	mg/Kg	☼	07/30/19 08:34	07/30/19 16:40	1
Lead	150		0.54	0.25	mg/Kg	☼	07/30/19 08:34	07/30/19 16:40	1
Selenium	0.73	J B	1.1	0.64	mg/Kg	☼	07/30/19 08:34	07/30/19 16:40	1
Silver	0.96		0.54	0.14	mg/Kg	☼	07/30/19 08:34	07/30/19 16:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.39		0.021	0.0069	mg/Kg	☼	07/30/19 14:15	07/31/19 08:24	1

Client Sample ID: Solid sample #1-300yds
Lab Sample ID: 500-167373-3

Date Collected: 07/25/19 00:00
Matrix: Solid

Date Received: 07/26/19 15:49
Percent Solids: 87.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.031	J	0.036	0.0065	mg/Kg	☼	07/29/19 08:28	07/29/19 21:07	1
Acenaphthylene	0.014	J	0.036	0.0048	mg/Kg	☼	07/29/19 08:28	07/29/19 21:07	1
Anthracene	0.11		0.036	0.0061	mg/Kg	☼	07/29/19 08:28	07/29/19 21:07	1
Benzo[a]anthracene	0.44		0.036	0.0049	mg/Kg	☼	07/29/19 08:28	07/29/19 21:07	1
Benzo[a]pyrene	0.46		0.036	0.0070	mg/Kg	☼	07/29/19 08:28	07/29/19 21:07	1
Benzo[b]fluoranthene	0.63		0.036	0.0078	mg/Kg	☼	07/29/19 08:28	07/29/19 21:07	1
Benzo[g,h,i]perylene	0.16		0.036	0.012	mg/Kg	☼	07/29/19 08:28	07/29/19 21:07	1
Benzo[k]fluoranthene	0.32		0.036	0.011	mg/Kg	☼	07/29/19 08:28	07/29/19 21:07	1
Chrysene	0.48		0.036	0.0099	mg/Kg	☼	07/29/19 08:28	07/29/19 21:07	1
Dibenz(a,h)anthracene	0.051		0.036	0.0070	mg/Kg	☼	07/29/19 08:28	07/29/19 21:07	1
Fluoranthene	0.99		0.036	0.0067	mg/Kg	☼	07/29/19 08:28	07/29/19 21:07	1
Fluorene	0.035	J	0.036	0.0051	mg/Kg	☼	07/29/19 08:28	07/29/19 21:07	1
Indeno[1,2,3-cd]pyrene	0.17		0.036	0.0094	mg/Kg	☼	07/29/19 08:28	07/29/19 21:07	1
Naphthalene	0.020	J	0.036	0.0056	mg/Kg	☼	07/29/19 08:28	07/29/19 21:07	1
Phenanthrene	0.46		0.036	0.0051	mg/Kg	☼	07/29/19 08:28	07/29/19 21:07	1
Pyrene	0.82		0.036	0.0072	mg/Kg	☼	07/29/19 08:28	07/29/19 21:07	1
1-Methylnaphthalene	0.019	J	0.073	0.0089	mg/Kg	☼	07/29/19 08:28	07/29/19 21:07	1
2-Methylnaphthalene	0.031	J	0.073	0.0067	mg/Kg	☼	07/29/19 08:28	07/29/19 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*51*		*37 - 147*	*07/29/19 08:28*	*07/29/19 21:07*	*1*
Terphenyl-d14 (Surr)	*83*		*42 - 157*	*07/29/19 08:28*	*07/29/19 21:07*	*1*
2-Fluorobiphenyl (Surr)	*64*		*43 - 145*	*07/29/19 08:28*	*07/29/19 21:07*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.067		0.19	0.067	mg/Kg	☼	07/29/19 08:25	07/29/19 17:13	10
PCB-1221	<0.083		0.19	0.083	mg/Kg	☼	07/29/19 08:25	07/29/19 17:13	10
PCB-1232	<0.082		0.19	0.082	mg/Kg	☼	07/29/19 08:25	07/29/19 17:13	10
PCB-1242	<0.062		0.19	0.062	mg/Kg	☼	07/29/19 08:25	07/29/19 17:13	10
PCB-1248	<0.075		0.19	0.075	mg/Kg	☼	07/29/19 08:25	07/29/19 17:13	10
PCB-1254	<0.041		0.19	0.041	mg/Kg	☼	07/29/19 08:25	07/29/19 17:13	10
PCB-1260	<0.093		0.19	0.093	mg/Kg	☼	07/29/19 08:25	07/29/19 17:13	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*98*		*49 - 129*	*07/29/19 08:25*	*07/29/19 17:13*	*10*
DCB Decachlorobiphenyl	*104*		*37 - 121*	*07/29/19 08:25*	*07/29/19 17:13*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8		1.0	0.36	mg/Kg	☼	07/30/19 08:34	07/30/19 16:44	1
Barium	84		1.0	0.12	mg/Kg	☼	07/30/19 08:34	07/30/19 16:44	1
Cadmium	0.61	B	0.21	0.037	mg/Kg	☼	07/30/19 08:34	07/30/19 16:44	1
Chromium	18		1.0	0.51	mg/Kg	☼	07/30/19 08:34	07/30/19 16:44	1
Lead	210		0.52	0.24	mg/Kg	☼	07/30/19 08:34	07/30/19 16:44	1
Selenium	0.75	J B	1.0	0.61	mg/Kg	☼	07/30/19 08:34	07/30/19 16:44	1
Silver	0.94		0.52	0.13	mg/Kg	☼	07/30/19 08:34	07/30/19 16:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.081		0.019	0.0062	mg/Kg	☼	07/30/19 14:15	07/31/19 08:26	1

Client Sample ID: Solid Sample #7
Lab Sample ID: 500-167373-5

Date Collected: 07/25/19 00:00
Matrix: Solid

Date Received: 07/26/19 15:49
Percent Solids: 78.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.016	J	0.042	0.0075	mg/Kg	☼	07/29/19 08:28	07/29/19 21:33	1
Acenaphthylene	0.012	J	0.042	0.0055	mg/Kg	☼	07/29/19 08:28	07/29/19 21:33	1
Anthracene	0.044		0.042	0.0070	mg/Kg	☼	07/29/19 08:28	07/29/19 21:33	1
Benzo[a]anthracene	0.11		0.042	0.0056	mg/Kg	☼	07/29/19 08:28	07/29/19 21:33	1
Benzo[a]pyrene	0.17		0.042	0.0081	mg/Kg	☼	07/29/19 08:28	07/29/19 21:33	1
Benzo[b]fluoranthene	0.20		0.042	0.0090	mg/Kg	☼	07/29/19 08:28	07/29/19 21:33	1
Benzo[g,h,i]perylene	0.058		0.042	0.013	mg/Kg	☼	07/29/19 08:28	07/29/19 21:33	1
Benzo[k]fluoranthene	0.12		0.042	0.012	mg/Kg	☼	07/29/19 08:28	07/29/19 21:33	1
Chrysene	0.17		0.042	0.011	mg/Kg	☼	07/29/19 08:28	07/29/19 21:33	1
Dibenz(a,h)anthracene	0.019	J	0.042	0.0081	mg/Kg	☼	07/29/19 08:28	07/29/19 21:33	1
Fluoranthene	0.29		0.042	0.0077	mg/Kg	☼	07/29/19 08:28	07/29/19 21:33	1
Fluorene	0.023	J	0.042	0.0059	mg/Kg	☼	07/29/19 08:28	07/29/19 21:33	1
Indeno[1,2,3-cd]pyrene	0.068		0.042	0.011	mg/Kg	☼	07/29/19 08:28	07/29/19 21:33	1
Naphthalene	0.056		0.042	0.0064	mg/Kg	☼	07/29/19 08:28	07/29/19 21:33	1
Phenanthrene	0.20		0.042	0.0058	mg/Kg	☼	07/29/19 08:28	07/29/19 21:33	1
Pyrene	0.28		0.042	0.0083	mg/Kg	☼	07/29/19 08:28	07/29/19 21:33	1
1-Methylnaphthalene	0.044	J	0.084	0.010	mg/Kg	☼	07/29/19 08:28	07/29/19 21:33	1
2-Methylnaphthalene	0.081	J	0.084	0.0077	mg/Kg	☼	07/29/19 08:28	07/29/19 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*36*	*X*	*37 - 147*	*07/29/19 08:28*	*07/29/19 21:33*	*1*
Terphenyl-d14 (Surr)	*99*		*42 - 157*	*07/29/19 08:28*	*07/29/19 21:33*	*1*
2-Fluorobiphenyl (Surr)	*49*		*43 - 145*	*07/29/19 08:28*	*07/29/19 21:33*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.074		0.21	0.074	mg/Kg	☼	07/29/19 08:25	07/29/19 17:29	10
PCB-1221	<0.092		0.21	0.092	mg/Kg	☼	07/29/19 08:25	07/29/19 17:29	10
PCB-1232	<0.091		0.21	0.091	mg/Kg	☼	07/29/19 08:25	07/29/19 17:29	10
PCB-1242	<0.069		0.21	0.069	mg/Kg	☼	07/29/19 08:25	07/29/19 17:29	10
PCB-1248	<0.082		0.21	0.082	mg/Kg	☼	07/29/19 08:25	07/29/19 17:29	10
PCB-1254	<0.045		0.21	0.045	mg/Kg	☼	07/29/19 08:25	07/29/19 17:29	10
PCB-1260	<0.10		0.21	0.10	mg/Kg	☼	07/29/19 08:25	07/29/19 17:29	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*109*		*49 - 129*	*07/29/19 08:25*	*07/29/19 17:29*	*10*
DCB Decachlorobiphenyl	*121*		*37 - 121*	*07/29/19 08:25*	*07/29/19 17:29*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.7		1.2	0.40	mg/Kg	☼	07/30/19 08:34	07/30/19 16:48	1
Barium	160		1.2	0.13	mg/Kg	☼	07/30/19 08:34	07/30/19 16:48	1
Cadmium	0.58	B	0.23	0.042	mg/Kg	☼	07/30/19 08:34	07/30/19 16:48	1
Chromium	19		1.2	0.57	mg/Kg	☼	07/30/19 08:34	07/30/19 16:48	1
Lead	630		0.58	0.27	mg/Kg	☼	07/30/19 08:34	07/30/19 16:48	1
Selenium	<0.68		1.2	0.68	mg/Kg	☼	07/30/19 08:34	07/30/19 16:48	1
Silver	0.91		0.58	0.15	mg/Kg	☼	07/30/19 08:34	07/30/19 16:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.47		0.021	0.0069	mg/Kg	☼	07/30/19 14:15	07/31/19 08:28	1

Client Sample ID: Solid Sample #8
Lab Sample ID: 500-167373-6

Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49
Percent Solids: 78.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.020	J	0.040	0.0073	mg/Kg	☼	07/29/19 08:28	07/29/19 21:59	1
Acenaphthylene	0.0099	J	0.040	0.0054	mg/Kg	☼	07/29/19 08:28	07/29/19 21:59	1
Anthracene	0.11		0.040	0.0068	mg/Kg	☼	07/29/19 08:28	07/29/19 21:59	1
Benzo[a]anthracene	0.42		0.040	0.0055	mg/Kg	☼	07/29/19 08:28	07/29/19 21:59	1
Benzo[a]pyrene	0.44		0.040	0.0079	mg/Kg	☼	07/29/19 08:28	07/29/19 21:59	1
Benzo[b]fluoranthene	0.64		0.040	0.0088	mg/Kg	☼	07/29/19 08:28	07/29/19 21:59	1
Benzo[g,h,i]perylene	0.14		0.040	0.013	mg/Kg	☼	07/29/19 08:28	07/29/19 21:59	1
Benzo[k]fluoranthene	0.19		0.040	0.012	mg/Kg	☼	07/29/19 08:28	07/29/19 21:59	1
Chrysene	0.44		0.040	0.011	mg/Kg	☼	07/29/19 08:28	07/29/19 21:59	1
Dibenz(a,h)anthracene	0.046		0.040	0.0079	mg/Kg	☼	07/29/19 08:28	07/29/19 21:59	1
Fluoranthene	0.98		0.040	0.0076	mg/Kg	☼	07/29/19 08:28	07/29/19 21:59	1
Fluorene	0.026	J	0.040	0.0057	mg/Kg	☼	07/29/19 08:28	07/29/19 21:59	1
Indeno[1,2,3-cd]pyrene	0.16		0.040	0.011	mg/Kg	☼	07/29/19 08:28	07/29/19 21:59	1
Naphthalene	0.031	J	0.040	0.0063	mg/Kg	☼	07/29/19 08:28	07/29/19 21:59	1
Phenanthrene	0.45		0.040	0.0057	mg/Kg	☼	07/29/19 08:28	07/29/19 21:59	1
Pyrene	0.78		0.040	0.0081	mg/Kg	☼	07/29/19 08:28	07/29/19 21:59	1
1-Methylnaphthalene	0.029	J	0.082	0.010	mg/Kg	☼	07/29/19 08:28	07/29/19 21:59	1
2-Methylnaphthalene	0.051	J	0.082	0.0075	mg/Kg	☼	07/29/19 08:28	07/29/19 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*43*		*37 - 147*	*07/29/19 08:28*	*07/29/19 21:59*	*1*
Terphenyl-d14 (Surr)	*85*		*42 - 157*	*07/29/19 08:28*	*07/29/19 21:59*	*1*
2-Fluorobiphenyl (Surr)	*56*		*43 - 145*	*07/29/19 08:28*	*07/29/19 21:59*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.074		0.21	0.074	mg/Kg	☼	07/29/19 08:25	07/29/19 17:44	10
PCB-1221	<0.092		0.21	0.092	mg/Kg	☼	07/29/19 08:25	07/29/19 17:44	10
PCB-1232	<0.091		0.21	0.091	mg/Kg	☼	07/29/19 08:25	07/29/19 17:44	10
PCB-1242	<0.069		0.21	0.069	mg/Kg	☼	07/29/19 08:25	07/29/19 17:44	10
PCB-1248	<0.083		0.21	0.083	mg/Kg	☼	07/29/19 08:25	07/29/19 17:44	10
PCB-1254	<0.045		0.21	0.045	mg/Kg	☼	07/29/19 08:25	07/29/19 17:44	10
PCB-1260	<0.10		0.21	0.10	mg/Kg	☼	07/29/19 08:25	07/29/19 17:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*120*		*49 - 129*	*07/29/19 08:25*	*07/29/19 17:44*	*10*
DCB Decachlorobiphenyl	*126*	*X*	*37 - 121*	*07/29/19 08:25*	*07/29/19 17:44*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8		1.1	0.37	mg/Kg	☼	07/30/19 08:34	07/30/19 16:52	1
Barium	77		1.1	0.12	mg/Kg	☼	07/30/19 08:34	07/30/19 16:52	1
Cadmium	0.42	B	0.22	0.039	mg/Kg	☼	07/30/19 08:34	07/30/19 16:52	1
Chromium	12		1.1	0.54	mg/Kg	☼	07/30/19 08:34	07/30/19 16:52	1
Lead	320		0.54	0.25	mg/Kg	☼	07/30/19 08:34	07/30/19 16:52	1
Selenium	<0.64		1.1	0.64	mg/Kg	☼	07/30/19 08:34	07/30/19 16:52	1
Silver	0.72		0.54	0.14	mg/Kg	☼	07/30/19 08:34	07/30/19 16:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.62		0.021	0.0068	mg/Kg	☼	07/30/19 14:15	07/31/19 08:31	1

Client Sample ID: Solid Sample #9
Lab Sample ID: 500-167373-7

Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49
Percent Solids: 98.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.015	J	0.033	0.0060	mg/Kg	☼	07/29/19 08:28	07/29/19 22:24	1
Acenaphthylene	0.0096	J	0.033	0.0044	mg/Kg	☼	07/29/19 08:28	07/29/19 22:24	1
Anthracene	0.064		0.033	0.0056	mg/Kg	☼	07/29/19 08:28	07/29/19 22:24	1
Benzo[a]anthracene	0.20		0.033	0.0045	mg/Kg	☼	07/29/19 08:28	07/29/19 22:24	1
Benzo[a]pyrene	0.25		0.033	0.0065	mg/Kg	☼	07/29/19 08:28	07/29/19 22:24	1
Benzo[b]fluoranthene	0.33		0.033	0.0072	mg/Kg	☼	07/29/19 08:28	07/29/19 22:24	1
Benzo[g,h,i]perylene	0.073		0.033	0.011	mg/Kg	☼	07/29/19 08:28	07/29/19 22:24	1
Benzo[k]fluoranthene	0.17		0.033	0.0099	mg/Kg	☼	07/29/19 08:28	07/29/19 22:24	1
Chrysene	0.26		0.033	0.0091	mg/Kg	☼	07/29/19 08:28	07/29/19 22:24	1
Dibenz(a,h)anthracene	0.022	J	0.033	0.0065	mg/Kg	☼	07/29/19 08:28	07/29/19 22:24	1
Fluoranthene	0.50		0.033	0.0062	mg/Kg	☼	07/29/19 08:28	07/29/19 22:24	1
Fluorene	0.022	J	0.033	0.0047	mg/Kg	☼	07/29/19 08:28	07/29/19 22:24	1
Indeno[1,2,3-cd]pyrene	0.081		0.033	0.0087	mg/Kg	☼	07/29/19 08:28	07/29/19 22:24	1
Naphthalene	0.041		0.033	0.0051	mg/Kg	☼	07/29/19 08:28	07/29/19 22:24	1
Phenanthrene	0.28		0.033	0.0047	mg/Kg	☼	07/29/19 08:28	07/29/19 22:24	1
Pyrene	0.40		0.033	0.0066	mg/Kg	☼	07/29/19 08:28	07/29/19 22:24	1
1-Methylnaphthalene	0.040	J	0.067	0.0082	mg/Kg	☼	07/29/19 08:28	07/29/19 22:24	1
2-Methylnaphthalene	0.072		0.067	0.0062	mg/Kg	☼	07/29/19 08:28	07/29/19 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*66*		*37 - 147*	*07/29/19 08:28*	*07/29/19 22:24*	*1*
Terphenyl-d14 (Surr)	*97*		*42 - 157*	*07/29/19 08:28*	*07/29/19 22:24*	*1*
2-Fluorobiphenyl (Surr)	*83*		*43 - 145*	*07/29/19 08:28*	*07/29/19 22:24*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.060		0.17	0.060	mg/Kg	☼	07/29/19 08:25	07/29/19 18:00	10
PCB-1221	<0.074		0.17	0.074	mg/Kg	☼	07/29/19 08:25	07/29/19 18:00	10
PCB-1232	<0.074		0.17	0.074	mg/Kg	☼	07/29/19 08:25	07/29/19 18:00	10
PCB-1242	<0.056		0.17	0.056	mg/Kg	☼	07/29/19 08:25	07/29/19 18:00	10
PCB-1248	<0.067		0.17	0.067	mg/Kg	☼	07/29/19 08:25	07/29/19 18:00	10
PCB-1254	<0.036		0.17	0.036	mg/Kg	☼	07/29/19 08:25	07/29/19 18:00	10
PCB-1260	<0.083		0.17	0.083	mg/Kg	☼	07/29/19 08:25	07/29/19 18:00	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*49 - 129*	*07/29/19 08:25*	*07/29/19 18:00*	*10*
DCB Decachlorobiphenyl	*99*		*37 - 121*	*07/29/19 08:25*	*07/29/19 18:00*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.6		0.87	0.30	mg/Kg	☼	07/30/19 08:34	07/30/19 16:56	1
Barium	76		0.87	0.099	mg/Kg	☼	07/30/19 08:34	07/30/19 16:56	1
Cadmium	0.31	B	0.17	0.031	mg/Kg	☼	07/30/19 08:34	07/30/19 16:56	1
Chromium	14		0.87	0.43	mg/Kg	☼	07/30/19 08:34	07/30/19 16:56	1
Lead	200		0.44	0.20	mg/Kg	☼	07/30/19 08:34	07/30/19 16:56	1
Selenium	<0.51		0.87	0.51	mg/Kg	☼	07/30/19 08:34	07/30/19 16:56	1
Silver	0.71		0.44	0.11	mg/Kg	☼	07/30/19 08:34	07/30/19 16:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.35		0.017	0.0056	mg/Kg	☼	07/30/19 14:15	07/31/19 08:35	1

Client Sample ID: Solid Sample #0
Lab Sample ID: 500-167373-8

Date Collected: 07/25/19 00:00
Matrix: Solid

Date Received: 07/26/19 15:49
Percent Solids: 89.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.12	J	0.36	0.065	mg/Kg	☼	07/29/19 08:28	07/30/19 00:08	10
Acenaphthylene	<0.048		0.36	0.048	mg/Kg	☼	07/29/19 08:28	07/30/19 00:08	10
Anthracene	0.40		0.36	0.061	mg/Kg	☼	07/29/19 08:28	07/30/19 00:08	10
Benzo[a]anthracene	1.2		0.36	0.049	mg/Kg	☼	07/29/19 08:28	07/30/19 00:08	10
Benzo[a]pyrene	1.4		0.36	0.070	mg/Kg	☼	07/29/19 08:28	07/30/19 00:08	10
Benzo[b]fluoranthene	2.0		0.36	0.078	mg/Kg	☼	07/29/19 08:28	07/30/19 00:08	10
Benzo[g,h,i]perylene	0.37		0.36	0.12	mg/Kg	☼	07/29/19 08:28	07/30/19 00:08	10
Benzo[k]fluoranthene	0.67		0.36	0.11	mg/Kg	☼	07/29/19 08:28	07/30/19 00:08	10
Chrysene	1.3		0.36	0.099	mg/Kg	☼	07/29/19 08:28	07/30/19 00:08	10
Dibenz(a,h)anthracene	0.11	J	0.36	0.070	mg/Kg	☼	07/29/19 08:28	07/30/19 00:08	10
Fluoranthene	2.5		0.36	0.067	mg/Kg	☼	07/29/19 08:28	07/30/19 00:08	10
Fluorene	0.16	J	0.36	0.051	mg/Kg	☼	07/29/19 08:28	07/30/19 00:08	10
Indeno[1,2,3-cd]pyrene	0.44		0.36	0.094	mg/Kg	☼	07/29/19 08:28	07/30/19 00:08	10
Naphthalene	0.11	J	0.36	0.056	mg/Kg	☼	07/29/19 08:28	07/30/19 00:08	10
Phenanthrene	1.6		0.36	0.051	mg/Kg	☼	07/29/19 08:28	07/30/19 00:08	10
Pyrene	2.3		0.36	0.072	mg/Kg	☼	07/29/19 08:28	07/30/19 00:08	10
1-Methylnaphthalene	0.12	J	0.73	0.089	mg/Kg	☼	07/29/19 08:28	07/30/19 00:08	10
2-Methylnaphthalene	0.18	J	0.73	0.067	mg/Kg	☼	07/29/19 08:28	07/30/19 00:08	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*64*		*37 - 147*	*07/29/19 08:28*	*07/30/19 00:08*	*10*
Terphenyl-d14 (Surr)	*110*		*42 - 157*	*07/29/19 08:28*	*07/30/19 00:08*	*10*
2-Fluorobiphenyl (Surr)	*84*		*43 - 145*	*07/29/19 08:28*	*07/30/19 00:08*	*10*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.065		0.18	0.065	mg/Kg	☼	07/29/19 08:25	07/29/19 18:15	10
PCB-1221	<0.081		0.18	0.081	mg/Kg	☼	07/29/19 08:25	07/29/19 18:15	10
PCB-1232	<0.080		0.18	0.080	mg/Kg	☼	07/29/19 08:25	07/29/19 18:15	10
PCB-1242	<0.060		0.18	0.060	mg/Kg	☼	07/29/19 08:25	07/29/19 18:15	10
PCB-1248	<0.072		0.18	0.072	mg/Kg	☼	07/29/19 08:25	07/29/19 18:15	10
PCB-1254	<0.039		0.18	0.039	mg/Kg	☼	07/29/19 08:25	07/29/19 18:15	10
PCB-1260	<0.090		0.18	0.090	mg/Kg	☼	07/29/19 08:25	07/29/19 18:15	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*49 - 129*	*07/29/19 08:25*	*07/29/19 18:15*	*10*
DCB Decachlorobiphenyl	*107*		*37 - 121*	*07/29/19 08:25*	*07/29/19 18:15*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.0		1.0	0.34	mg/Kg	☼	07/30/19 08:34	07/30/19 16:59	1
Barium	160		1.0	0.11	mg/Kg	☼	07/30/19 08:34	07/30/19 16:59	1
Cadmium	0.89	B	0.20	0.036	mg/Kg	☼	07/30/19 08:34	07/30/19 16:59	1
Chromium	31		1.0	0.49	mg/Kg	☼	07/30/19 08:34	07/30/19 16:59	1
Lead	720		0.50	0.23	mg/Kg	☼	07/30/19 08:34	07/30/19 16:59	1
Selenium	0.73	J B	1.0	0.59	mg/Kg	☼	07/30/19 08:34	07/30/19 16:59	1
Silver	0.95		0.50	0.13	mg/Kg	☼	07/30/19 08:34	07/30/19 16:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.33		0.018	0.0059	mg/Kg	☼	07/30/19 14:15	07/31/19 08:38	1

Client Sample ID: Solid Sample #11
Lab Sample ID: 500-167373-9

Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49
Percent Solids: 75.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.23	J	0.43	0.078	mg/Kg	☼	07/29/19 08:28	07/30/19 00:33	10
Acenaphthylene	0.095	J	0.43	0.057	mg/Kg	☼	07/29/19 08:28	07/30/19 00:33	10
Anthracene	0.46		0.43	0.072	mg/Kg	☼	07/29/19 08:28	07/30/19 00:33	10
Benzo[a]anthracene	1.4		0.43	0.058	mg/Kg	☼	07/29/19 08:28	07/30/19 00:33	10
Benzo[a]pyrene	1.5		0.43	0.084	mg/Kg	☼	07/29/19 08:28	07/30/19 00:33	10
Benzo[b]fluoranthene	2.2		0.43	0.093	mg/Kg	☼	07/29/19 08:28	07/30/19 00:33	10
Benzo[g,h,i]perylene	0.40	J	0.43	0.14	mg/Kg	☼	07/29/19 08:28	07/30/19 00:33	10
Benzo[k]fluoranthene	0.80		0.43	0.13	mg/Kg	☼	07/29/19 08:28	07/30/19 00:33	10
Chrysene	1.6		0.43	0.12	mg/Kg	☼	07/29/19 08:28	07/30/19 00:33	10
Dibenz(a,h)anthracene	0.13	J	0.43	0.084	mg/Kg	☼	07/29/19 08:28	07/30/19 00:33	10
Fluoranthene	2.9		0.43	0.080	mg/Kg	☼	07/29/19 08:28	07/30/19 00:33	10
Fluorene	0.25	J	0.43	0.061	mg/Kg	☼	07/29/19 08:28	07/30/19 00:33	10
Indeno[1,2,3-cd]pyrene	0.54		0.43	0.11	mg/Kg	☼	07/29/19 08:28	07/30/19 00:33	10
Naphthalene	0.58		0.43	0.067	mg/Kg	☼	07/29/19 08:28	07/30/19 00:33	10
Phenanthrene	2.4		0.43	0.060	mg/Kg	☼	07/29/19 08:28	07/30/19 00:33	10
Pyrene	2.8		0.43	0.086	mg/Kg	☼	07/29/19 08:28	07/30/19 00:33	10
1-Methylnaphthalene	0.51	J	0.87	0.11	mg/Kg	☼	07/29/19 08:28	07/30/19 00:33	10
2-Methylnaphthalene	0.91		0.87	0.080	mg/Kg	☼	07/29/19 08:28	07/30/19 00:33	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*74*		*37 - 147*	*07/29/19 08:28*	*07/30/19 00:33*	*10*
Terphenyl-d14 (Surr)	*123*		*42 - 157*	*07/29/19 08:28*	*07/30/19 00:33*	*10*
2-Fluorobiphenyl (Surr)	*98*		*43 - 145*	*07/29/19 08:28*	*07/30/19 00:33*	*10*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.076		0.22	0.076	mg/Kg	☼	07/29/19 08:25	07/29/19 18:30	10
PCB-1221	<0.095		0.22	0.095	mg/Kg	☼	07/29/19 08:25	07/29/19 18:30	10
PCB-1232	<0.094		0.22	0.094	mg/Kg	☼	07/29/19 08:25	07/29/19 18:30	10
PCB-1242	<0.071		0.22	0.071	mg/Kg	☼	07/29/19 08:25	07/29/19 18:30	10
PCB-1248	<0.085		0.22	0.085	mg/Kg	☼	07/29/19 08:25	07/29/19 18:30	10
PCB-1254	<0.046		0.22	0.046	mg/Kg	☼	07/29/19 08:25	07/29/19 18:30	10
PCB-1260	<0.11		0.22	0.11	mg/Kg	☼	07/29/19 08:25	07/29/19 18:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*105*		*49 - 129*	*07/29/19 08:25*	*07/29/19 18:30*	*10*
DCB Decachlorobiphenyl	*137*	*X*	*37 - 121*	*07/29/19 08:25*	*07/29/19 18:30*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.9		1.1	0.39	mg/Kg	☼	07/30/19 08:34	07/30/19 17:03	1
Barium	620		1.1	0.13	mg/Kg	☼	07/30/19 08:34	07/30/19 17:03	1
Cadmium	0.88	B	0.23	0.041	mg/Kg	☼	07/30/19 08:34	07/30/19 17:03	1
Chromium	46		1.1	0.56	mg/Kg	☼	07/30/19 08:34	07/30/19 17:03	1
Lead	490		0.57	0.26	mg/Kg	☼	07/30/19 08:34	07/30/19 17:03	1
Selenium	0.83	J B	1.1	0.67	mg/Kg	☼	07/30/19 08:34	07/30/19 17:03	1
Silver	0.96		0.57	0.15	mg/Kg	☼	07/30/19 08:34	07/30/19 17:03	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	3.4		0.20	0.068	mg/Kg	☼	07/30/19 14:15	07/31/19 12:31	10

Client: EnviroAnalytics Group LLC
Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-167373-1

Client Sample ID: Solid Sample #12

Date Collected: 07/25/19 00:00
Date Received: 07/26/19 15:49

Lab Sample ID: 500-167373-10

Matrix: Solid
Percent Solids: 96.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.16		0.034	0.0061	mg/Kg	☼	07/29/19 08:28	07/29/19 22:50	1
Acenaphthylene	0.010	J	0.034	0.0045	mg/Kg	☼	07/29/19 08:28	07/29/19 22:50	1
Anthracene	0.30		0.034	0.0057	mg/Kg	☼	07/29/19 08:28	07/29/19 22:50	1
Benzo[a]anthracene	0.96		0.034	0.0046	mg/Kg	☼	07/29/19 08:28	07/29/19 22:50	1
Benzo[a]pyrene	0.91		0.034	0.0065	mg/Kg	☼	07/29/19 08:28	07/29/19 22:50	1
Benzo[b]fluoranthene	1.4		0.034	0.0073	mg/Kg	☼	07/29/19 08:28	07/29/19 22:50	1
Benzo[g,h,i]perylene	0.27		0.034	0.011	mg/Kg	☼	07/29/19 08:28	07/29/19 22:50	1
Benzo[k]fluoranthene	0.56		0.034	0.010	mg/Kg	☼	07/29/19 08:28	07/29/19 22:50	1
Chrysene	0.98		0.034	0.0092	mg/Kg	☼	07/29/19 08:28	07/29/19 22:50	1
Dibenz(a,h)anthracene	0.088		0.034	0.0065	mg/Kg	☼	07/29/19 08:28	07/29/19 22:50	1
Fluoranthene	2.3		0.034	0.0063	mg/Kg	☼	07/29/19 08:28	07/29/19 22:50	1
Fluorene	0.17		0.034	0.0048	mg/Kg	☼	07/29/19 08:28	07/29/19 22:50	1
Indeno[1,2,3-cd]pyrene	0.28		0.034	0.0088	mg/Kg	☼	07/29/19 08:28	07/29/19 22:50	1
Naphthalene	0.069		0.034	0.0052	mg/Kg	☼	07/29/19 08:28	07/29/19 22:50	1
Phenanthrene	1.7		0.034	0.0047	mg/Kg	☼	07/29/19 08:28	07/29/19 22:50	1
Pyrene	1.8		0.034	0.0067	mg/Kg	☼	07/29/19 08:28	07/29/19 22:50	1
1-Methylnaphthalene	0.033	J	0.068	0.0083	mg/Kg	☼	07/29/19 08:28	07/29/19 22:50	1
2-Methylnaphthalene	0.044	J	0.068	0.0062	mg/Kg	☼	07/29/19 08:28	07/29/19 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*68*		*37 - 147*	*07/29/19 08:28*	*07/29/19 22:50*	*1*
Terphenyl-d14 (Surr)	*104*		*42 - 157*	*07/29/19 08:28*	*07/29/19 22:50*	*1*
2-Fluorobiphenyl (Surr)	*89*		*43 - 145*	*07/29/19 08:28*	*07/29/19 22:50*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.061		0.17	0.061	mg/Kg	☼	07/29/19 08:25	07/29/19 18:46	10
PCB-1221	<0.076		0.17	0.076	mg/Kg	☼	07/29/19 08:25	07/29/19 18:46	10
PCB-1232	<0.075		0.17	0.075	mg/Kg	☼	07/29/19 08:25	07/29/19 18:46	10
PCB-1242	<0.056		0.17	0.056	mg/Kg	☼	07/29/19 08:25	07/29/19 18:46	10
PCB-1248	<0.068		0.17	0.068	mg/Kg	☼	07/29/19 08:25	07/29/19 18:46	10
PCB-1254	0.16	J	0.17	0.037	mg/Kg	☼	07/29/19 08:25	07/29/19 18:46	10
PCB-1260	<0.084		0.17	0.084	mg/Kg	☼	07/29/19 08:25	07/29/19 18:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*95*		*49 - 129*	*07/29/19 08:25*	*07/29/19 18:46*	*10*
DCB Decachlorobiphenyl	*111*		*37 - 121*	*07/29/19 08:25*	*07/29/19 18:46*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.97		0.95	0.33	mg/Kg	☼	07/30/19 08:34	07/30/19 17:07	1
Barium	28		0.95	0.11	mg/Kg	☼	07/30/19 08:34	07/30/19 17:07	1
Cadmium	0.29	B	0.19	0.034	mg/Kg	☼	07/30/19 08:34	07/30/19 17:07	1
Chromium	6.9		0.95	0.47	mg/Kg	☼	07/30/19 08:34	07/30/19 17:07	1
Lead	17		0.48	0.22	mg/Kg	☼	07/30/19 08:34	07/30/19 17:07	1
Selenium	<0.56		0.95	0.56	mg/Kg	☼	07/30/19 08:34	07/30/19 17:07	1
Silver	0.87		0.48	0.12	mg/Kg	☼	07/30/19 08:34	07/30/19 17:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.016	0.0054	mg/Kg	☼	07/30/19 14:15	07/31/19 08:49	1

Client: EnviroAnalytics Group LLC
Job ID: 500-167373-1
Project/Site: Rock River Sediment Removal, Janesville

Client Sample ID: Solid Sample #13
Lab Sample ID: 500-167373-11
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49
Percent Solids: 87.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.084**	**J**	0.37	0.067	mg/Kg	☼	07/29/19 08:28	07/30/19 00:59	10
Acenaphthylene	<0.049		0.37	0.049	mg/Kg	☼	07/29/19 08:28	07/30/19 00:59	10
Anthracene	**0.18**	**J**	0.37	0.063	mg/Kg	☼	07/29/19 08:28	07/30/19 00:59	10
Benzo[a]anthracene	**0.65**		0.37	0.050	mg/Kg	☼	07/29/19 08:28	07/30/19 00:59	10
Benzo[a]pyrene	**0.76**		0.37	0.073	mg/Kg	☼	07/29/19 08:28	07/30/19 00:59	10
Benzo[b]fluoranthene	**0.95**		0.37	0.081	mg/Kg	☼	07/29/19 08:28	07/30/19 00:59	10
Benzo[g,h,i]perylene	**0.18**	**J**	0.37	0.12	mg/Kg	☼	07/29/19 08:28	07/30/19 00:59	10
Benzo[k]fluoranthene	**0.45**		0.37	0.11	mg/Kg	☼	07/29/19 08:28	07/30/19 00:59	10
Chrysene	**0.71**		0.37	0.10	mg/Kg	☼	07/29/19 08:28	07/30/19 00:59	10
Dibenz(a,h)anthracene	<0.073		0.37	0.073	mg/Kg	☼	07/29/19 08:28	07/30/19 00:59	10
Fluoranthene	**1.3**		0.37	0.070	mg/Kg	☼	07/29/19 08:28	07/30/19 00:59	10
Fluorene	**0.082**	**J**	0.37	0.053	mg/Kg	☼	07/29/19 08:28	07/30/19 00:59	10
Indeno[1,2,3-cd]pyrene	**0.29**	**J**	0.37	0.097	mg/Kg	☼	07/29/19 08:28	07/30/19 00:59	10
Naphthalene	**0.093**	**J**	0.37	0.058	mg/Kg	☼	07/29/19 08:28	07/30/19 00:59	10
Phenanthrene	**0.83**		0.37	0.052	mg/Kg	☼	07/29/19 08:28	07/30/19 00:59	10
Pyrene	**1.2**		0.37	0.075	mg/Kg	☼	07/29/19 08:28	07/30/19 00:59	10
1-Methylnaphthalene	<0.092		0.76	0.092	mg/Kg	☼	07/29/19 08:28	07/30/19 00:59	10
2-Methylnaphthalene	**0.13**	**J**	0.76	0.069	mg/Kg	☼	07/29/19 08:28	07/30/19 00:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*77*		*37 - 147*	*07/29/19 08:28*	*07/30/19 00:59*	*10*
Terphenyl-d14 (Surr)	*120*		*42 - 157*	*07/29/19 08:28*	*07/30/19 00:59*	*10*
2-Fluorobiphenyl (Surr)	*98*		*43 - 145*	*07/29/19 08:28*	*07/30/19 00:59*	*10*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.067		0.19	0.067	mg/Kg	☼	07/29/19 08:25	07/29/19 19:01	10
PCB-1221	<0.083		0.19	0.083	mg/Kg	☼	07/29/19 08:25	07/29/19 19:01	10
PCB-1232	<0.083		0.19	0.083	mg/Kg	☼	07/29/19 08:25	07/29/19 19:01	10
PCB-1242	<0.062		0.19	0.062	mg/Kg	☼	07/29/19 08:25	07/29/19 19:01	10
PCB-1248	<0.075		0.19	0.075	mg/Kg	☼	07/29/19 08:25	07/29/19 19:01	10
PCB-1254	<0.041		0.19	0.041	mg/Kg	☼	07/29/19 08:25	07/29/19 19:01	10
PCB-1260	<0.093		0.19	0.093	mg/Kg	☼	07/29/19 08:25	07/29/19 19:01	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*118*		*49 - 129*	*07/29/19 08:25*	*07/29/19 19:01*	*10*
DCB Decachlorobiphenyl	*118*		*37 - 121*	*07/29/19 08:25*	*07/29/19 19:01*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.8**		0.97	0.33	mg/Kg	☼	07/30/19 08:34	07/30/19 17:11	1
Barium	**110**		0.97	0.11	mg/Kg	☼	07/30/19 08:34	07/30/19 17:11	1
Cadmium	**0.53**	**B**	0.19	0.035	mg/Kg	☼	07/30/19 08:34	07/30/19 17:11	1
Chromium	**17**		0.97	0.48	mg/Kg	☼	07/30/19 08:34	07/30/19 17:11	1
Lead	**170**		0.49	0.22	mg/Kg	☼	07/30/19 08:34	07/30/19 17:11	1
Selenium	**0.84**	**J B**	0.97	0.57	mg/Kg	☼	07/30/19 08:34	07/30/19 17:11	1
Silver	**0.99**		0.49	0.13	mg/Kg	☼	07/30/19 08:34	07/30/19 17:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.50**	**F2**	0.018	0.0059	mg/Kg	☼	07/30/19 14:15	07/31/19 08:51	1

Client Sample ID: Solid Sample #14
Lab Sample ID: 500-167373-12

Date Collected: 07/25/19 00:00
Matrix: Solid

Date Received: 07/26/19 15:49
Percent Solids: 99.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.070	J	0.17	0.030	mg/Kg	☼	07/29/19 08:28	07/30/19 20:31	5
Acenaphthylene	0.023	J	0.17	0.022	mg/Kg	☼	07/29/19 08:28	07/30/19 20:31	5
Anthracene	0.16	J	0.17	0.028	mg/Kg	☼	07/29/19 08:28	07/30/19 20:31	5
Fluoranthene	0.74		0.17	0.031	mg/Kg	☼	07/29/19 08:28	07/30/19 20:31	5
Fluorene	0.081	J	0.17	0.024	mg/Kg	☼	07/29/19 08:28	07/30/19 20:31	5
Naphthalene	0.16	J	0.17	0.026	mg/Kg	☼	07/29/19 08:28	07/30/19 20:31	5
Phenanthrene	0.65		0.17	0.023	mg/Kg	☼	07/29/19 08:28	07/30/19 20:31	5
1-Methylnaphthalene	0.15	J	0.34	0.041	mg/Kg	☼	07/29/19 08:28	07/30/19 20:31	5
2-Methylnaphthalene	0.26	J	0.34	0.031	mg/Kg	☼	07/29/19 08:28	07/30/19 20:31	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*71*		*37 - 147*	*07/29/19 08:28*	*07/30/19 20:31*	*5*
Terphenyl-d14 (Surr)	*200*	*X*	*42 - 157*	*07/29/19 08:28*	*07/30/19 20:31*	*5*
2-Fluorobiphenyl (Surr)	*91*		*43 - 145*	*07/29/19 08:28*	*07/30/19 20:31*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.47		0.33	0.045	mg/Kg	☼	07/29/19 08:28	07/30/19 01:25	10
Benzo[a]pyrene	0.55		0.33	0.065	mg/Kg	☼	07/29/19 08:28	07/30/19 01:25	10
Benzo[b]fluoranthene	0.75		0.33	0.072	mg/Kg	☼	07/29/19 08:28	07/30/19 01:25	10
Benzo[g,h,i]perylene	0.15	J	0.33	0.11	mg/Kg	☼	07/29/19 08:28	07/30/19 01:25	10
Benzo[k]fluoranthene	0.32	J	0.33	0.099	mg/Kg	☼	07/29/19 08:28	07/30/19 01:25	10
Chrysene	0.59		0.33	0.091	mg/Kg	☼	07/29/19 08:28	07/30/19 01:25	10
Dibenz(a,h)anthracene	<0.065		0.33	0.065	mg/Kg	☼	07/29/19 08:28	07/30/19 01:25	10
Indeno[1,2,3-cd]pyrene	0.24	J	0.33	0.087	mg/Kg	☼	07/29/19 08:28	07/30/19 01:25	10
Pyrene	0.91		0.33	0.067	mg/Kg	☼	07/29/19 08:28	07/30/19 01:25	10

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.059		0.17	0.059	mg/Kg	☼	07/29/19 08:25	07/29/19 19:16	10
PCB-1221	<0.073		0.17	0.073	mg/Kg	☼	07/29/19 08:25	07/29/19 19:16	10
PCB-1232	<0.072		0.17	0.072	mg/Kg	☼	07/29/19 08:25	07/29/19 19:16	10
PCB-1242	<0.054		0.17	0.054	mg/Kg	☼	07/29/19 08:25	07/29/19 19:16	10
PCB-1248	<0.065		0.17	0.065	mg/Kg	☼	07/29/19 08:25	07/29/19 19:16	10
PCB-1254	<0.036		0.17	0.036	mg/Kg	☼	07/29/19 08:25	07/29/19 19:16	10
PCB-1260	<0.081		0.17	0.081	mg/Kg	☼	07/29/19 08:25	07/29/19 19:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*95*		*49 - 129*	*07/29/19 08:25*	*07/29/19 19:16*	*10*
DCB Decachlorobiphenyl	*118*		*37 - 121*	*07/29/19 08:25*	*07/29/19 19:16*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.8		0.90	0.31	mg/Kg	☼	07/30/19 08:34	07/30/19 17:23	1
Barium	460		0.90	0.10	mg/Kg	☼	07/30/19 08:34	07/30/19 17:23	1
Cadmium	0.81	B	0.18	0.032	mg/Kg	☼	07/30/19 08:34	07/30/19 17:23	1
Chromium	34		0.90	0.44	mg/Kg	☼	07/30/19 08:34	07/30/19 17:23	1
Lead	710		0.45	0.21	mg/Kg	☼	07/30/19 08:34	07/30/19 17:23	1
Selenium	0.70	J B	0.90	0.53	mg/Kg	☼	07/30/19 08:34	07/30/19 17:23	1
Silver	0.83		0.45	0.12	mg/Kg	☼	07/30/19 08:34	07/30/19 17:23	1

Client Sample Results

Client: EnviroAnalytics Group LLC
Job ID: 500-167373-1
Project/Site: Rock River Sediment Removal, Janesville

Client Sample ID: Solid Sample #14
Lab Sample ID: 500-167373-12
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49
Percent Solids: 99.0

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.4		0.077	0.026	mg/Kg	☼	07/30/19 14:15	07/31/19 12:32	5

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: EnviroAnalytics Group LLC
Job ID: 500-167373-1
Project/Site: Rock River Sediment Removal, Janesville

GC/MS Semi VOA

Prep Batch: 497085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-1	QC #1	Total/NA	Solid	3541	
500-167373-2	QC #2	Total/NA	Solid	3541	
500-167373-3	Solid sample #1-300yds	Total/NA	Solid	3541	
500-167373-5	Solid Sample #7	Total/NA	Solid	3541	
500-167373-6	Solid Sample #8	Total/NA	Solid	3541	
500-167373-7	Solid Sample #9	Total/NA	Solid	3541	
500-167373-8	Solid Sample #0	Total/NA	Solid	3541	
500-167373-9	Solid Sample #11	Total/NA	Solid	3541	
500-167373-10	Solid Sample #12	Total/NA	Solid	3541	
500-167373-11	Solid Sample #13	Total/NA	Solid	3541	
500-167373-12	Solid Sample #14	Total/NA	Solid	3541	
500-167373-12 - DL	Solid Sample #14	Total/NA	Solid	3541	
MB 500-497085/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-497085/2-A	Lab Control Sample	Total/NA	Solid	3541	
500-167373-1 MS	QC #1	Total/NA	Solid	3541	
500-167373-1 MSD	QC #1	Total/NA	Solid	3541	

Analysis Batch: 497178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-1	QC #1	Total/NA	Solid	8270D	497085
500-167373-2	QC #2	Total/NA	Solid	8270D	497085
500-167373-3	Solid sample #1-300yds	Total/NA	Solid	8270D	497085
500-167373-5	Solid Sample #7	Total/NA	Solid	8270D	497085
500-167373-6	Solid Sample #8	Total/NA	Solid	8270D	497085
500-167373-7	Solid Sample #9	Total/NA	Solid	8270D	497085
500-167373-8	Solid Sample #0	Total/NA	Solid	8270D	497085
500-167373-9	Solid Sample #11	Total/NA	Solid	8270D	497085
500-167373-10	Solid Sample #12	Total/NA	Solid	8270D	497085
500-167373-11	Solid Sample #13	Total/NA	Solid	8270D	497085
500-167373-12 - DL	Solid Sample #14	Total/NA	Solid	8270D	497085
MB 500-497085/1-A	Method Blank	Total/NA	Solid	8270D	497085
LCS 500-497085/2-A	Lab Control Sample	Total/NA	Solid	8270D	497085
500-167373-1 MS	QC #1	Total/NA	Solid	8270D	497085
500-167373-1 MSD	QC #1	Total/NA	Solid	8270D	497085

Analysis Batch: 497300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-12	Solid Sample #14	Total/NA	Solid	8270D	497085

GC Semi VOA

Prep Batch: 497084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-1	QC #1	Total/NA	Solid	3541	
500-167373-2	QC #2	Total/NA	Solid	3541	
500-167373-3	Solid sample #1-300yds	Total/NA	Solid	3541	
500-167373-5	Solid Sample #7	Total/NA	Solid	3541	
500-167373-6	Solid Sample #8	Total/NA	Solid	3541	
500-167373-7	Solid Sample #9	Total/NA	Solid	3541	
500-167373-8	Solid Sample #0	Total/NA	Solid	3541	
500-167373-9	Solid Sample #11	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 497084 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-10	Solid Sample #12	Total/NA	Solid	3541	
500-167373-11	Solid Sample #13	Total/NA	Solid	3541	
500-167373-12	Solid Sample #14	Total/NA	Solid	3541	
MB 500-497084/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-497084/2-A	Lab Control Sample	Total/NA	Solid	3541	
500-167373-1 MS	QC #1	Total/NA	Solid	3541	
500-167373-1 MSD	QC #1	Total/NA	Solid	3541	

Analysis Batch: 497105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-1	QC #1	Total/NA	Solid	8082A	497084
500-167373-2	QC #2	Total/NA	Solid	8082A	497084
500-167373-3	Solid sample #1-300yds	Total/NA	Solid	8082A	497084
500-167373-5	Solid Sample #7	Total/NA	Solid	8082A	497084
500-167373-6	Solid Sample #8	Total/NA	Solid	8082A	497084
500-167373-7	Solid Sample #9	Total/NA	Solid	8082A	497084
500-167373-8	Solid Sample #0	Total/NA	Solid	8082A	497084
500-167373-9	Solid Sample #11	Total/NA	Solid	8082A	497084
500-167373-10	Solid Sample #12	Total/NA	Solid	8082A	497084
500-167373-11	Solid Sample #13	Total/NA	Solid	8082A	497084
500-167373-12	Solid Sample #14	Total/NA	Solid	8082A	497084
MB 500-497084/1-A	Method Blank	Total/NA	Solid	8082A	497084
LCS 500-497084/2-A	Lab Control Sample	Total/NA	Solid	8082A	497084
500-167373-1 MS	QC #1	Total/NA	Solid	8082A	497084
500-167373-1 MSD	QC #1	Total/NA	Solid	8082A	497084

Metals

Prep Batch: 497136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-1	QC #1	Total/NA	Solid	3050B	
500-167373-2	QC #2	Total/NA	Solid	3050B	
500-167373-3	Solid sample #1-300yds	Total/NA	Solid	3050B	
500-167373-5	Solid Sample #7	Total/NA	Solid	3050B	
500-167373-6	Solid Sample #8	Total/NA	Solid	3050B	
500-167373-7	Solid Sample #9	Total/NA	Solid	3050B	
500-167373-8	Solid Sample #0	Total/NA	Solid	3050B	
500-167373-9	Solid Sample #11	Total/NA	Solid	3050B	
500-167373-10	Solid Sample #12	Total/NA	Solid	3050B	
500-167373-11	Solid Sample #13	Total/NA	Solid	3050B	
500-167373-12	Solid Sample #14	Total/NA	Solid	3050B	
MB 500-497136/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-497136/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 497320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-1	QC #1	Total/NA	Solid	7471B	
500-167373-2	QC #2	Total/NA	Solid	7471B	
500-167373-3	Solid sample #1-300yds	Total/NA	Solid	7471B	
500-167373-5	Solid Sample #7	Total/NA	Solid	7471B	
500-167373-6	Solid Sample #8	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 497320 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-7	Solid Sample #9	Total/NA	Solid	7471B	
500-167373-8	Solid Sample #0	Total/NA	Solid	7471B	
500-167373-9	Solid Sample #11	Total/NA	Solid	7471B	
500-167373-10	Solid Sample #12	Total/NA	Solid	7471B	
500-167373-11	Solid Sample #13	Total/NA	Solid	7471B	
500-167373-12	Solid Sample #14	Total/NA	Solid	7471B	
MB 500-497320/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-497320/13-A	Lab Control Sample	Total/NA	Solid	7471B	
500-167373-11 MS	Solid Sample #13	Total/NA	Solid	7471B	
500-167373-11 MSD	Solid Sample #13	Total/NA	Solid	7471B	
500-167373-11 DU	Solid Sample #13	Total/NA	Solid	7471B	

Analysis Batch: 497470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-1	QC #1	Total/NA	Solid	6010B	497136
500-167373-2	QC #2	Total/NA	Solid	6010B	497136
500-167373-3	Solid sample #1-300yds	Total/NA	Solid	6010B	497136
500-167373-5	Solid Sample #7	Total/NA	Solid	6010B	497136
500-167373-6	Solid Sample #8	Total/NA	Solid	6010B	497136
500-167373-7	Solid Sample #9	Total/NA	Solid	6010B	497136
500-167373-8	Solid Sample #0	Total/NA	Solid	6010B	497136
500-167373-9	Solid Sample #11	Total/NA	Solid	6010B	497136
500-167373-10	Solid Sample #12	Total/NA	Solid	6010B	497136
500-167373-11	Solid Sample #13	Total/NA	Solid	6010B	497136
500-167373-12	Solid Sample #14	Total/NA	Solid	6010B	497136
MB 500-497136/1-A	Method Blank	Total/NA	Solid	6010B	497136
LCS 500-497136/2-A	Lab Control Sample	Total/NA	Solid	6010B	497136

Analysis Batch: 497577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-1	QC #1	Total/NA	Solid	7471B	497320
500-167373-2	QC #2	Total/NA	Solid	7471B	497320
500-167373-3	Solid sample #1-300yds	Total/NA	Solid	7471B	497320
500-167373-5	Solid Sample #7	Total/NA	Solid	7471B	497320
500-167373-6	Solid Sample #8	Total/NA	Solid	7471B	497320
500-167373-7	Solid Sample #9	Total/NA	Solid	7471B	497320
500-167373-8	Solid Sample #0	Total/NA	Solid	7471B	497320
500-167373-10	Solid Sample #12	Total/NA	Solid	7471B	497320
500-167373-11	Solid Sample #13	Total/NA	Solid	7471B	497320
MB 500-497320/12-A	Method Blank	Total/NA	Solid	7471B	497320
LCS 500-497320/13-A	Lab Control Sample	Total/NA	Solid	7471B	497320
500-167373-11 MS	Solid Sample #13	Total/NA	Solid	7471B	497320
500-167373-11 MSD	Solid Sample #13	Total/NA	Solid	7471B	497320
500-167373-11 DU	Solid Sample #13	Total/NA	Solid	7471B	497320

Analysis Batch: 497615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-9	Solid Sample #11	Total/NA	Solid	7471B	497320
500-167373-12	Solid Sample #14	Total/NA	Solid	7471B	497320

QC Association Summary

Client: EnviroAnalytics Group LLC
Job ID: 500-167373-1
Project/Site: Rock River Sediment Removal, Janesville

General Chemistry

Analysis Batch: 497255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-1	QC #1	Total/NA	Solid	Moisture	
500-167373-2	QC #2	Total/NA	Solid	Moisture	
500-167373-3	Solid sample #1-300yds	Total/NA	Solid	Moisture	
500-167373-5	Solid Sample #7	Total/NA	Solid	Moisture	
500-167373-6	Solid Sample #8	Total/NA	Solid	Moisture	
500-167373-7	Solid Sample #9	Total/NA	Solid	Moisture	
500-167373-8	Solid Sample #0	Total/NA	Solid	Moisture	
500-167373-9	Solid Sample #11	Total/NA	Solid	Moisture	
500-167373-10	Solid Sample #12	Total/NA	Solid	Moisture	
500-167373-11	Solid Sample #13	Total/NA	Solid	Moisture	
500-167373-12	Solid Sample #14	Total/NA	Solid	Moisture	
500-167373-8 DU	Solid Sample #0	Total/NA	Solid	Moisture	

Surrogate Summary

Client: EnviroAnalytics Group LLC
Job ID: 500-167373-1
Project/Site: Rock River Sediment Removal, Janesville

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	NBZ (37-147)	TPHL (42-157)	FBP (43-145)
500-167373-1	QC #1	53	105	68
500-167373-1 MS	QC #1	55	107	72
500-167373-1 MSD	QC #1	58	87	71
500-167373-2	QC #2	49	93	63
500-167373-3	Solid sample #1-300yds	51	83	64
500-167373-5	Solid Sample #7	36 X	99	49
500-167373-6	Solid Sample #8	43	85	56
500-167373-7	Solid Sample #9	66	97	83
500-167373-8	Solid Sample #0	64	110	84
500-167373-9	Solid Sample #11	74	123	98
500-167373-10	Solid Sample #12	68	104	89
500-167373-11	Solid Sample #13	77	120	98
500-167373-12 - DL	Solid Sample #14	95	128	105
500-167373-12	Solid Sample #14	71	200 X	91
LCS 500-497085/2-A	Lab Control Sample	85	102	94
MB 500-497085/1-A	Method Blank	83	108	94

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
FBP = 2-Fluorobiphenyl (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX1 (49-129)	DCBP1 (37-121)
500-167373-1	QC #1	90	87
500-167373-1 MS	QC #1	84	103
500-167373-1 MSD	QC #1	70	70
500-167373-2	QC #2	125	133 X
500-167373-3	Solid sample #1-300yds	98	104
500-167373-5	Solid Sample #7	109	121
500-167373-6	Solid Sample #8	120	126 X
500-167373-7	Solid Sample #9	96	99
500-167373-8	Solid Sample #0	93	107
500-167373-9	Solid Sample #11	105	137 X
500-167373-10	Solid Sample #12	95	111
500-167373-11	Solid Sample #13	118	118
500-167373-12	Solid Sample #14	95	118
LCS 500-497084/2-A	Lab Control Sample	75	78
MB 500-497084/1-A	Method Blank	71	74

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-497085/1-A
Matrix: Solid
Analysis Batch: 497178

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 497085

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0060		0.033	0.0060	mg/Kg		07/29/19 08:28	07/29/19 18:07	1
Acenaphthylene	<0.0044		0.033	0.0044	mg/Kg		07/29/19 08:28	07/29/19 18:07	1
Anthracene	<0.0056		0.033	0.0056	mg/Kg		07/29/19 08:28	07/29/19 18:07	1
Benzo[a]anthracene	<0.0045		0.033	0.0045	mg/Kg		07/29/19 08:28	07/29/19 18:07	1
Benzo[a]pyrene	<0.0064		0.033	0.0064	mg/Kg		07/29/19 08:28	07/29/19 18:07	1
Benzo[b]fluoranthene	<0.0072		0.033	0.0072	mg/Kg		07/29/19 08:28	07/29/19 18:07	1
Benzo[g,h,i]perylene	<0.011		0.033	0.011	mg/Kg		07/29/19 08:28	07/29/19 18:07	1
Benzo[k]fluoranthene	<0.0098		0.033	0.0098	mg/Kg		07/29/19 08:28	07/29/19 18:07	1
Chrysene	<0.0091		0.033	0.0091	mg/Kg		07/29/19 08:28	07/29/19 18:07	1
Dibenz(a,h)anthracene	<0.0064		0.033	0.0064	mg/Kg		07/29/19 08:28	07/29/19 18:07	1
Fluoranthene	<0.0062		0.033	0.0062	mg/Kg		07/29/19 08:28	07/29/19 18:07	1
Fluorene	<0.0047		0.033	0.0047	mg/Kg		07/29/19 08:28	07/29/19 18:07	1
Indeno[1,2,3-cd]pyrene	<0.0086		0.033	0.0086	mg/Kg		07/29/19 08:28	07/29/19 18:07	1
Naphthalene	<0.0051		0.033	0.0051	mg/Kg		07/29/19 08:28	07/29/19 18:07	1
Phenanthrene	<0.0046		0.033	0.0046	mg/Kg		07/29/19 08:28	07/29/19 18:07	1
Pyrene	<0.0066		0.033	0.0066	mg/Kg		07/29/19 08:28	07/29/19 18:07	1
1-Methylnaphthalene	<0.0081		0.067	0.0081	mg/Kg		07/29/19 08:28	07/29/19 18:07	1
2-Methylnaphthalene	<0.0061		0.067	0.0061	mg/Kg		07/29/19 08:28	07/29/19 18:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*83*		*37 - 147*	*07/29/19 08:28*	*07/29/19 18:07*	*1*
Terphenyl-d14 (Surr)	*108*		*42 - 157*	*07/29/19 08:28*	*07/29/19 18:07*	*1*
2-Fluorobiphenyl (Surr)	*94*		*43 - 145*	*07/29/19 08:28*	*07/29/19 18:07*	*1*

Lab Sample ID: LCS 500-497085/2-A
Matrix: Solid
Analysis Batch: 497178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 497085

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.33	1.23		mg/Kg		92	65 - 124
Acenaphthylene	1.33	1.14		mg/Kg		85	68 - 120
Anthracene	1.33	1.31		mg/Kg		98	70 - 114
Benzo[a]anthracene	1.33	1.20		mg/Kg		90	67 - 122
Benzo[a]pyrene	1.33	1.15		mg/Kg		86	65 - 133
Benzo[b]fluoranthene	1.33	1.17		mg/Kg		88	69 - 129
Benzo[g,h,i]perylene	1.33	1.23		mg/Kg		93	72 - 131
Benzo[k]fluoranthene	1.33	1.18		mg/Kg		89	68 - 127
Chrysene	1.33	1.12		mg/Kg		84	63 - 120
Dibenz(a,h)anthracene	1.33	1.28		mg/Kg		96	64 - 131
Fluoranthene	1.33	1.25		mg/Kg		94	62 - 120
Fluorene	1.33	1.19		mg/Kg		89	62 - 120
Indeno[1,2,3-cd]pyrene	1.33	1.13		mg/Kg		85	68 - 130
Naphthalene	1.33	1.16		mg/Kg		87	63 - 110
Phenanthrene	1.33	1.26		mg/Kg		95	62 - 120
Pyrene	1.33	1.18		mg/Kg		89	61 - 128
1-Methylnaphthalene	1.33	1.21		mg/Kg		90	68 - 111
2-Methylnaphthalene	1.33	1.23		mg/Kg		92	69 - 112

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-497085/2-A
Matrix: Solid
Analysis Batch: 497178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 497085

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*85*		*37 - 147*
Terphenyl-d14 (Surr)	*102*		*42 - 157*
2-Fluorobiphenyl (Surr)	*94*		*43 - 145*

Lab Sample ID: 500-167373-1 MS
Matrix: Solid
Analysis Batch: 497178

Client Sample ID: QC #1
Prep Type: Total/NA
Prep Batch: 497085

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.0095	J	1.65	1.49		mg/Kg	☼	90	65 - 124
Acenaphthylene	0.0058	J F1	1.65	1.30		mg/Kg	☼	78	68 - 120
Anthracene	0.031	J	1.65	1.73		mg/Kg	☼	103	70 - 114
Benzo[a]anthracene	0.19		1.65	1.88		mg/Kg	☼	103	67 - 122
Benzo[a]pyrene	0.24		1.65	1.74		mg/Kg	☼	91	65 - 133
Benzo[b]fluoranthene	0.31	F1 F2	1.65	2.45	F1	mg/Kg	☼	131	69 - 129
Benzo[g,h,i]perylene	0.12	F1	1.65	0.887	F1	mg/Kg	☼	46	72 - 131
Benzo[k]fluoranthene	0.14		1.65	2.04		mg/Kg	☼	115	68 - 127
Chrysene	0.23		1.65	1.79		mg/Kg	☼	94	63 - 120
Dibenz(a,h)anthracene	0.033	J F1	1.65	1.02	F1	mg/Kg	☼	60	64 - 131
Fluoranthene	0.47	F2	1.65	2.35		mg/Kg	☼	114	62 - 120
Fluorene	0.012	J	1.65	1.46		mg/Kg	☼	88	62 - 120
Indeno[1,2,3-cd]pyrene	0.12	F1	1.65	0.944	F1	mg/Kg	☼	50	68 - 130
Naphthalene	0.0076	J F1 F2	1.65	1.23		mg/Kg	☼	74	63 - 110
Phenanthrene	0.21	F2	1.65	2.08		mg/Kg	☼	113	62 - 120
Pyrene	0.39	F2	1.65	2.15		mg/Kg	☼	107	61 - 128
1-Methylnaphthalene	<0.010	F1	1.65	1.32		mg/Kg	☼	80	68 - 111
2-Methylnaphthalene	0.010	J F1	1.65	1.34		mg/Kg	☼	81	69 - 112

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*55*		*37 - 147*
Terphenyl-d14 (Surr)	*107*		*42 - 157*
2-Fluorobiphenyl (Surr)	*72*		*43 - 145*

Lab Sample ID: 500-167373-1 MSD
Matrix: Solid
Analysis Batch: 497178

Client Sample ID: QC #1
Prep Type: Total/NA
Prep Batch: 497085

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.0095	J	1.65	1.15		mg/Kg	☼	69	65 - 124	26	30
Acenaphthylene	0.0058	J F1	1.65	1.05	F1	mg/Kg	☼	63	68 - 120	21	30
Anthracene	0.031	J	1.65	1.35		mg/Kg	☼	80	70 - 114	25	30
Benzo[a]anthracene	0.19		1.65	1.43		mg/Kg	☼	75	67 - 122	27	30
Benzo[a]pyrene	0.24		1.65	1.34		mg/Kg	☼	67	65 - 133	26	30
Benzo[b]fluoranthene	0.31	F1 F2	1.65	1.69	F2	mg/Kg	☼	84	69 - 129	37	30
Benzo[g,h,i]perylene	0.12	F1	1.65	0.688	F1	mg/Kg	☼	34	72 - 131	25	30
Benzo[k]fluoranthene	0.14		1.65	1.59		mg/Kg	☼	88	68 - 127	25	30
Chrysene	0.23		1.65	1.35		mg/Kg	☼	68	63 - 120	28	30
Dibenz(a,h)anthracene	0.033	J F1	1.65	0.852	F1	mg/Kg	☼	50	64 - 131	18	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-167373-1 MSD
Matrix: Solid
Analysis Batch: 497178

Client Sample ID: QC #1
Prep Type: Total/NA
Prep Batch: 497085

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoranthene	0.47	F2	1.65	1.56	F2	mg/Kg	☼	67	62 - 120	40	30
Fluorene	0.012	J	1.65	1.17		mg/Kg	☼	70	62 - 120	22	30
Indeno[1,2,3-cd]pyrene	0.12	F1	1.65	0.757	F1	mg/Kg	☼	39	68 - 130	22	30
Naphthalene	0.0076	J F1 F2	1.65	0.890	F1 F2	mg/Kg	☼	54	63 - 110	32	30
Phenanthrene	0.21	F2	1.65	1.46	F2	mg/Kg	☼	76	62 - 120	35	30
Pyrene	0.39	F2	1.65	1.50	F2	mg/Kg	☼	68	61 - 128	36	30
1-Methylnaphthalene	<0.010	F1	1.65	1.01	F1	mg/Kg	☼	61	68 - 111	27	30
2-Methylnaphthalene	0.010	J F1	1.65	1.01	F1	mg/Kg	☼	61	69 - 112	28	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*58*		*37 - 147*
Terphenyl-d14 (Surr)	*87*		*42 - 157*
2-Fluorobiphenyl (Surr)	*71*		*43 - 145*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-497084/1-A
Matrix: Solid
Analysis Batch: 497105

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 497084

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0059		0.017	0.0059	mg/Kg		07/29/19 08:25	07/29/19 15:41	1
PCB-1221	<0.0073		0.017	0.0073	mg/Kg		07/29/19 08:25	07/29/19 15:41	1
PCB-1232	<0.0073		0.017	0.0073	mg/Kg		07/29/19 08:25	07/29/19 15:41	1
PCB-1242	<0.0055		0.017	0.0055	mg/Kg		07/29/19 08:25	07/29/19 15:41	1
PCB-1248	<0.0066		0.017	0.0066	mg/Kg		07/29/19 08:25	07/29/19 15:41	1
PCB-1254	<0.0036		0.017	0.0036	mg/Kg		07/29/19 08:25	07/29/19 15:41	1
PCB-1260	<0.0082		0.017	0.0082	mg/Kg		07/29/19 08:25	07/29/19 15:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*71*		*49 - 129*	*07/29/19 08:25*	*07/29/19 15:41*	*1*
DCB Decachlorobiphenyl	*74*		*37 - 121*	*07/29/19 08:25*	*07/29/19 15:41*	*1*

Lab Sample ID: LCS 500-497084/2-A
Matrix: Solid
Analysis Batch: 497105

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 497084

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			0.167	0.137		mg/Kg		82	57 - 120		
PCB-1260			0.167	0.131		mg/Kg		78	61 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*75*		*49 - 129*
DCB Decachlorobiphenyl	*78*		*37 - 121*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 500-167373-1 MS
Matrix: Solid
Analysis Batch: 497105

Client Sample ID: QC #1
Prep Type: Total/NA
Prep Batch: 497084

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	<0.0071	F2	0.201	0.225		mg/Kg	☼	112	57 - 120
PCB-1260	<0.0098	F1 F2	0.201	0.351	E F1	mg/Kg	☼	175	61 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*84*		*49 - 129*
DCB Decachlorobiphenyl	*103*		*37 - 121*

Lab Sample ID: 500-167373-1 MSD
Matrix: Solid
Analysis Batch: 497105

Client Sample ID: QC #1
Prep Type: Total/NA
Prep Batch: 497084

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	<0.0071	F2	0.200	0.139	F2	mg/Kg	☼	69	57 - 120	48	30
PCB-1260	<0.0098	F1 F2	0.200	0.129	F2	mg/Kg	☼	64	61 - 125	93	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*70*		*49 - 129*
DCB Decachlorobiphenyl	*70*		*37 - 121*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-497136/1-A
Matrix: Solid
Analysis Batch: 497470

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 497136

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.34		1.0	0.34	mg/Kg		07/30/19 08:34	07/30/19 15:56	1
Barium	<0.11		1.0	0.11	mg/Kg		07/30/19 08:34	07/30/19 15:56	1
Cadmium	0.100	J	0.20	0.036	mg/Kg		07/30/19 08:34	07/30/19 15:56	1
Chromium	<0.50		1.0	0.50	mg/Kg		07/30/19 08:34	07/30/19 15:56	1
Lead	<0.23		0.50	0.23	mg/Kg		07/30/19 08:34	07/30/19 15:56	1
Selenium	0.809	J	1.0	0.59	mg/Kg		07/30/19 08:34	07/30/19 15:56	1
Silver	<0.13		0.50	0.13	mg/Kg		07/30/19 08:34	07/30/19 15:56	1

Lab Sample ID: LCS 500-497136/2-A
Matrix: Solid
Analysis Batch: 497470

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 497136

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	10.0	8.76		mg/Kg		88	80 - 120
Barium	200	202		mg/Kg		101	80 - 120
Cadmium	5.00	4.64		mg/Kg		93	80 - 120
Chromium	20.0	20.0		mg/Kg		100	80 - 120
Lead	10.0	9.45		mg/Kg		94	80 - 120
Selenium	10.0	8.47		mg/Kg		85	80 - 120
Silver	5.00	4.42		mg/Kg		88	80 - 120

Client: EnviroAnalytics Group LLC
Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-167373-1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-497320/12-A
Matrix: Solid
Analysis Batch: 497577

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 497320

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0056		0.017	0.0056	mg/Kg		07/30/19 14:15	07/31/19 08:18	1

Lab Sample ID: LCS 500-497320/13-A
Matrix: Solid
Analysis Batch: 497577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 497320

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.167	0.171		mg/Kg		103	80 - 120

Lab Sample ID: 500-167373-11 MS
Matrix: Solid
Analysis Batch: 497577

Client Sample ID: Solid Sample #13
Prep Type: Total/NA
Prep Batch: 497320

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.50	F2	0.0891	1.25	E 4	mg/Kg	☼	849	75 - 125

Lab Sample ID: 500-167373-11 MSD
Matrix: Solid
Analysis Batch: 497577

Client Sample ID: Solid Sample #13
Prep Type: Total/NA
Prep Batch: 497320

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.50	F2	0.0892	0.416	4 F2	mg/Kg	☼	-89	75 - 125	100	20

Lab Sample ID: 500-167373-11 DU
Matrix: Solid
Analysis Batch: 497577

Client Sample ID: Solid Sample #13
Prep Type: Total/NA
Prep Batch: 497320

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.50	F2	0.470		mg/Kg	☼	5	20

Lab Chronicle

Client: EnviroAnalytics Group LLC
Job ID: 500-167373-1
Project/Site: Rock River Sediment Removal, Janesville

Client Sample ID: QC #1
Lab Sample ID: 500-167373-1
Date Collected: 07/24/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	497255	07/30/19 07:25	LWN	TAL CHI

Client Sample ID: QC #1
Lab Sample ID: 500-167373-1
Date Collected: 07/24/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49
Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			497085	07/29/19 08:28	DX	TAL CHI
Total/NA	Analysis	8270D		1	497178	07/29/19 20:16	NRJ	TAL CHI
Total/NA	Prep	3541			497084	07/29/19 08:25	DX	TAL CHI
Total/NA	Analysis	8082A		1	497105	07/29/19 16:11	BJH	TAL CHI
Total/NA	Prep	3050B			497136	07/30/19 08:34	SAH	TAL CHI
Total/NA	Analysis	6010B		1	497470	07/30/19 16:36	EEN	TAL CHI
Total/NA	Prep	7471B			497320	07/30/19 14:15	MJG	TAL CHI
Total/NA	Analysis	7471B		1	497577	07/31/19 08:22	MJG	TAL CHI

Client Sample ID: QC #2
Lab Sample ID: 500-167373-2
Date Collected: 07/24/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	497255	07/30/19 07:25	LWN	TAL CHI

Client Sample ID: QC #2
Lab Sample ID: 500-167373-2
Date Collected: 07/24/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49
Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			497085	07/29/19 08:28	DX	TAL CHI
Total/NA	Analysis	8270D		1	497178	07/29/19 20:41	NRJ	TAL CHI
Total/NA	Prep	3541			497084	07/29/19 08:25	DX	TAL CHI
Total/NA	Analysis	8082A		10	497105	07/29/19 16:58	BJH	TAL CHI
Total/NA	Prep	3050B			497136	07/30/19 08:34	SAH	TAL CHI
Total/NA	Analysis	6010B		1	497470	07/30/19 16:40	EEN	TAL CHI
Total/NA	Prep	7471B			497320	07/30/19 14:15	MJG	TAL CHI
Total/NA	Analysis	7471B		1	497577	07/31/19 08:24	MJG	TAL CHI

Client Sample ID: Solid sample #1-300yds
Lab Sample ID: 500-167373-3
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	497255	07/30/19 07:25	LWN	TAL CHI

Lab Chronicle

Client: EnviroAnalytics Group LLC
Job ID: 500-167373-1
Project/Site: Rock River Sediment Removal, Janesville

Client Sample ID: Solid sample #1-300yds
Lab Sample ID: 500-167373-3
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			497085	07/29/19 08:28	DX	TAL CHI
Total/NA	Analysis	8270D		1	497178	07/29/19 21:07	NRJ	TAL CHI
Total/NA	Prep	3541			497084	07/29/19 08:25	DX	TAL CHI
Total/NA	Analysis	8082A		10	497105	07/29/19 17:13	BJH	TAL CHI
Total/NA	Prep	3050B			497136	07/30/19 08:34	SAH	TAL CHI
Total/NA	Analysis	6010B		1	497470	07/30/19 16:44	EEN	TAL CHI
Total/NA	Prep	7471B			497320	07/30/19 14:15	MJG	TAL CHI
Total/NA	Analysis	7471B		1	497577	07/31/19 08:26	MJG	TAL CHI

Client Sample ID: Solid Sample #7
Lab Sample ID: 500-167373-5
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	497255	07/30/19 07:25	LWN	TAL CHI

Client Sample ID: Solid Sample #7
Lab Sample ID: 500-167373-5
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49
Percent Solids: 78.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			497085	07/29/19 08:28	DX	TAL CHI
Total/NA	Analysis	8270D		1	497178	07/29/19 21:33	NRJ	TAL CHI
Total/NA	Prep	3541			497084	07/29/19 08:25	DX	TAL CHI
Total/NA	Analysis	8082A		10	497105	07/29/19 17:29	BJH	TAL CHI
Total/NA	Prep	3050B			497136	07/30/19 08:34	SAH	TAL CHI
Total/NA	Analysis	6010B		1	497470	07/30/19 16:48	EEN	TAL CHI
Total/NA	Prep	7471B			497320	07/30/19 14:15	MJG	TAL CHI
Total/NA	Analysis	7471B		1	497577	07/31/19 08:28	MJG	TAL CHI

Client Sample ID: Solid Sample #8
Lab Sample ID: 500-167373-6
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	497255	07/30/19 07:25	LWN	TAL CHI

Client Sample ID: Solid Sample #8
Lab Sample ID: 500-167373-6
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49
Percent Solids: 78.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			497085	07/29/19 08:28	DX	TAL CHI
Total/NA	Analysis	8270D		1	497178	07/29/19 21:59	NRJ	TAL CHI
Total/NA	Prep	3541			497084	07/29/19 08:25	DX	TAL CHI
Total/NA	Analysis	8082A		10	497105	07/29/19 17:44	BJH	TAL CHI

Lab Chronicle

Client: EnviroAnalytics Group LLC
Job ID: 500-167373-1
Project/Site: Rock River Sediment Removal, Janesville

Client Sample ID: Solid Sample #8
Lab Sample ID: 500-167373-6
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49
Percent Solids: 78.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			497136	07/30/19 08:34	SAH	TAL CHI
Total/NA	Analysis	6010B		1	497470	07/30/19 16:52	EEN	TAL CHI
Total/NA	Prep	7471B			497320	07/30/19 14:15	MJG	TAL CHI
Total/NA	Analysis	7471B		1	497577	07/31/19 08:31	MJG	TAL CHI

Client Sample ID: Solid Sample #9
Lab Sample ID: 500-167373-7
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	497255	07/30/19 07:25	LWN	TAL CHI

Client Sample ID: Solid Sample #9
Lab Sample ID: 500-167373-7
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49
Percent Solids: 98.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			497085	07/29/19 08:28	DX	TAL CHI
Total/NA	Analysis	8270D		1	497178	07/29/19 22:24	NRJ	TAL CHI
Total/NA	Prep	3541			497084	07/29/19 08:25	DX	TAL CHI
Total/NA	Analysis	8082A		10	497105	07/29/19 18:00	BJH	TAL CHI
Total/NA	Prep	3050B			497136	07/30/19 08:34	SAH	TAL CHI
Total/NA	Analysis	6010B		1	497470	07/30/19 16:56	EEN	TAL CHI
Total/NA	Prep	7471B			497320	07/30/19 14:15	MJG	TAL CHI
Total/NA	Analysis	7471B		1	497577	07/31/19 08:35	MJG	TAL CHI

Client Sample ID: Solid Sample #0
Lab Sample ID: 500-167373-8
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	497255	07/30/19 07:25	LWN	TAL CHI

Client Sample ID: Solid Sample #0
Lab Sample ID: 500-167373-8
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			497085	07/29/19 08:28	DX	TAL CHI
Total/NA	Analysis	8270D		10	497178	07/30/19 00:08	NRJ	TAL CHI
Total/NA	Prep	3541			497084	07/29/19 08:25	DX	TAL CHI
Total/NA	Analysis	8082A		10	497105	07/29/19 18:15	BJH	TAL CHI
Total/NA	Prep	3050B			497136	07/30/19 08:34	SAH	TAL CHI
Total/NA	Analysis	6010B		1	497470	07/30/19 16:59	EEN	TAL CHI
Total/NA	Prep	7471B			497320	07/30/19 14:15	MJG	TAL CHI
Total/NA	Analysis	7471B		1	497577	07/31/19 08:38	MJG	TAL CHI

Lab Chronicle

Client: EnviroAnalytics Group LLC
Job ID: 500-167373-1
Project/Site: Rock River Sediment Removal, Janesville

Client Sample ID: Solid Sample #11
Lab Sample ID: 500-167373-9
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	497255	07/30/19 07:25	LWN	TAL CHI

Client Sample ID: Solid Sample #11
Lab Sample ID: 500-167373-9
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49
Percent Solids: 75.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			497085	07/29/19 08:28	DX	TAL CHI
Total/NA	Analysis	8270D		10	497178	07/30/19 00:33	NRJ	TAL CHI
Total/NA	Prep	3541			497084	07/29/19 08:25	DX	TAL CHI
Total/NA	Analysis	8082A		10	497105	07/29/19 18:30	BJH	TAL CHI
Total/NA	Prep	3050B			497136	07/30/19 08:34	SAH	TAL CHI
Total/NA	Analysis	6010B		1	497470	07/30/19 17:03	EEN	TAL CHI
Total/NA	Prep	7471B			497320	07/30/19 14:15	MJG	TAL CHI
Total/NA	Analysis	7471B		10	497615	07/31/19 12:31	MJG	TAL CHI

Client Sample ID: Solid Sample #12
Lab Sample ID: 500-167373-10
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	497255	07/30/19 07:25	LWN	TAL CHI

Client Sample ID: Solid Sample #12
Lab Sample ID: 500-167373-10
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49
Percent Solids: 96.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			497085	07/29/19 08:28	DX	TAL CHI
Total/NA	Analysis	8270D		1	497178	07/29/19 22:50	NRJ	TAL CHI
Total/NA	Prep	3541			497084	07/29/19 08:25	DX	TAL CHI
Total/NA	Analysis	8082A		10	497105	07/29/19 18:46	BJH	TAL CHI
Total/NA	Prep	3050B			497136	07/30/19 08:34	SAH	TAL CHI
Total/NA	Analysis	6010B		1	497470	07/30/19 17:07	EEN	TAL CHI
Total/NA	Prep	7471B			497320	07/30/19 14:15	MJG	TAL CHI
Total/NA	Analysis	7471B		1	497577	07/31/19 08:49	MJG	TAL CHI

Client Sample ID: Solid Sample #13
Lab Sample ID: 500-167373-11
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	497255	07/30/19 07:25	LWN	TAL CHI

Lab Chronicle

Client: EnviroAnalytics Group LLC
Job ID: 500-167373-1
Project/Site: Rock River Sediment Removal, Janesville

Client Sample ID: Solid Sample #13
Lab Sample ID: 500-167373-11
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			497085	07/29/19 08:28	DX	TAL CHI
Total/NA	Analysis	8270D		10	497178	07/30/19 00:59	NRJ	TAL CHI
Total/NA	Prep	3541			497084	07/29/19 08:25	DX	TAL CHI
Total/NA	Analysis	8082A		10	497105	07/29/19 19:01	BJH	TAL CHI
Total/NA	Prep	3050B			497136	07/30/19 08:34	SAH	TAL CHI
Total/NA	Analysis	6010B		1	497470	07/30/19 17:11	EEN	TAL CHI
Total/NA	Prep	7471B			497320	07/30/19 14:15	MJG	TAL CHI
Total/NA	Analysis	7471B		1	497577	07/31/19 08:51	MJG	TAL CHI

Client Sample ID: Solid Sample #14
Lab Sample ID: 500-167373-12
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	497255	07/30/19 07:25	LWN	TAL CHI

Client Sample ID: Solid Sample #14
Lab Sample ID: 500-167373-12
Date Collected: 07/25/19 00:00
Matrix: Solid
Date Received: 07/26/19 15:49
Percent Solids: 99.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			497085	07/29/19 08:28	DX	TAL CHI
Total/NA	Analysis	8270D		5	497300	07/30/19 20:31	STW	TAL CHI
Total/NA	Prep	3541	DL		497085	07/29/19 08:28	DX	TAL CHI
Total/NA	Analysis	8270D	DL	10	497178	07/30/19 01:25	NRJ	TAL CHI
Total/NA	Prep	3541			497084	07/29/19 08:25	DX	TAL CHI
Total/NA	Analysis	8082A		10	497105	07/29/19 19:16	BJH	TAL CHI
Total/NA	Prep	3050B			497136	07/30/19 08:34	SAH	TAL CHI
Total/NA	Analysis	6010B		1	497470	07/30/19 17:23	EEN	TAL CHI
Total/NA	Prep	7471B			497320	07/30/19 14:15	MJG	TAL CHI
Total/NA	Analysis	7471B		5	497615	07/31/19 12:32	MJG	TAL CHI

Laboratory References:
TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: EnviroAnalytics Group LLC
Job ID: 500-167373-1
Project/Site: Rock River Sediment Removal, Janesville

Laboratory: Eurofins TestAmerica, Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	999580010	08-31-19 *

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler:	Lab PM: Knapp, Jim D	Carrier Tracking No(s): 500-167373 COC	COC No: 500-66160-31136.1
Client Contact: Mr. Daniel Dunn	Phone:	E-Mail: jim.knapp@testamericainc.com		Page: Page 1 of 1
Company: EnviroAnalytics Group LLC				Job #: 500-167373
Address: 1515 Des Peres Rd. Suite 300	Due Date Requested:			
City: Saint Louis	TAT Requested (days):			
State, Zip: MO, 63131				
Phone: 314-835-2814(Tel)	PO #: 7741			
Email: ddunn@enviroanalyticsgroup.com	WO #:			
Project Name: Rock River Sediment Removal, Janesville	Project #: 50014801			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - TSS	625 - PAHs	608_PCB - LL PCB's	1664B - Oil & Grease	200.7 - As,Pb,Zn	6010B, 7471B, 8082A, 8270D	6020A, 7470A, 8082A, 8270D	ASTM Leach (RCRA, PAHs)						Total Number of containers	Special Instructions/Note:
				Preservation Code:				N	N	N	S	D	N	N									
1	QC # 1	7/24/19		C	Water								X		X							
2	QC # 2	7/24/19		C	Water								X		X							
3	Solid Sample #1 - 300yds	7/25/19		C	Water								X		X							
4	Solid Sample #2 - Leach	7/25/19		C	Water										X							Only two 4oz jars
5	Solid Sample #7			C	Water								X		X							
6	Solid Sample #8			C	Solid								X		X							
7	Solid Sample #9			C	Solid								X		X							
8	Solid Sample #10			C	Solid								X		X							
9	Solid Sample #11			C	Solid								X		X							
10	Solid Sample #12			C	Solid								X		X							
11	Solid Sample #13			C	Solid								X		X							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Bailey Underwood	Date/Time:	Company	Received by:	Date/Time: 7/26/19 0935	Company TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.8

TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

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			Preservation Code:				N	N	N	S	D	N	N								
12 Solid Sample #14	7/25/19		C	~~Water~~ Solid								X		X							
				Water																	
				Water																	
				Water																	
				Water																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
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Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.8

ORIGIN ID:JVLA (636) 577-5056

RILEY UNDERWOOD (EAG)
1000 INDUSTRIAL AVE

JANESVILLE, WI 53546
UNITED STATES US

SHIP DATE: 25JUL19
ACTWGT: 42.00 LB
CAD: 006994389/SSFE2002
DIMS: 26x13x14 IN

BILL THIRD PARTY

TO

EUROFINS TESTAMERICA, CHICAGO
2417 BOND ST

UNIVERSITY PARK IL 60484
(111) 111-1111

INV:
PO:
REF:
DEPT:

FedEx Express

TRK# 0201 7886 9812 1758

FRI - 26 JUL 10:30A
PRIORITY OVERNIGHT

79 JOTA

AHS
60484
IL-US ORD

500-167373 Waybill

48 QT

Login Sample Receipt Checklist

Client: EnviroAnalytics Group LLC

Job Number: 500-167373-1

Login Number: 167373
List Number: 1
Creator: James, Jeff A

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	