

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-165506-2

Client Project/Site: Rock River Sediment Removal, Janesville

For:

EnviroAnalytics Group LLC
1515 Des Peres Rd.
Suite 300
Saint Louis, Missouri 63131

Attn: Mr. Daniel Dunn



Authorized for release by:
7/10/2019 3:34:17 PM

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



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Case Narrative

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

Job ID: 500-165506-2

Job ID: 500-165506-2

Laboratory: Eurofins TestAmerica, Chicago

Narrative

**Job Narrative
500-165506-2**

Comments

No additional comments.

Receipt

The samples were received on 6/21/2019 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3° C.

Metals

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

General Chemistry

Method(s) 9056A: The CCV at line 41 in batch 493563 was outside acceptance limits(90-110%) for Fluoride at 111%rec. The associated samples were an MS/MSD that were within control limits. These samples were reported: (500-165506-A-3-C MS) and (500-165506-A-3-C MSD).

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



Detection Summary

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

Job ID: 500-165506-2

Client Sample ID: Solid Sample #1

Lab Sample ID: 500-165506-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Aluminum	1.0		0.20	0.20	mg/L	1		6020A	ASTM Leach
Antimony	0.0090	J	0.050	0.0060	mg/L	1		6020A	ASTM Leach
Arsenic	0.0034	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Chromium	0.0081	J	0.025	0.0050	mg/L	1		6020A	ASTM Leach
Copper	0.0056	J	0.025	0.0050	mg/L	1		6020A	ASTM Leach
Iron	1.1		0.20	0.20	mg/L	1		6020A	ASTM Leach
Lead	0.028	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Manganese	0.012	J	0.025	0.0050	mg/L	1		6020A	ASTM Leach
Zinc	0.042	J	0.10	0.020	mg/L	1		6020A	ASTM Leach
Cyanide, Total	0.0067	J	0.010	0.0035	mg/L	1		9014	ASTM Leach
Chloride	0.30		0.20	0.17	mg/L	1		9056A	ASTM Leach
Fluoride	0.071	J	0.20	0.067	mg/L	1		9056A	ASTM Leach
Sulfate	4.1		0.20	0.095	mg/L	1		9056A	ASTM Leach

Client Sample ID: Solid Sample #2

Lab Sample ID: 500-165506-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.040	J	0.050	0.0060	mg/L	1		6020A	ASTM Leach
Arsenic	0.0049	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Lead	0.0073	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Cyanide, Total	0.037		0.010	0.0035	mg/L	1		9014	ASTM Leach
Chloride	0.82		0.20	0.17	mg/L	1		9056A	ASTM Leach
Fluoride	0.085	J	0.20	0.067	mg/L	1		9056A	ASTM Leach
Sulfate	11		1.0	0.48	mg/L	5		9056A	ASTM Leach

Client Sample ID: Jatco Soil

Lab Sample ID: 500-165506-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.25		0.20	0.20	mg/L	1		6020A	ASTM Leach
Chloride	1.3		0.20	0.17	mg/L	1		9056A	ASTM Leach
Fluoride	0.074	J	0.20	0.067	mg/L	1		9056A	ASTM Leach
Sulfate	0.24		0.20	0.095	mg/L	1		9056A	ASTM Leach

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Method Summary

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

Job ID: 500-165506-2

Method	Method Description	Protocol	Laboratory
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9056A	Anions, Ion Chromatography	SW846	TAL CHI
9066	Phenolics, Total Recoverable	SW846	TAL CHI
SM 4500 NO3 F	Nitrogen, Nitrate	SM	TAL CHI
3010A	Preparation, Total Metals	SW846	TAL CHI
7470A	Preparation, Mercury	SW846	TAL CHI
9010C	Cyanide, Distillation	SW846	TAL CHI
D3987-85	ASTM Leaching Procedure	ASTM	TAL CHI
Distill/Phenol	Distillation, Phenolics	None	TAL CHI

Protocol References:

ASTM = ASTM International

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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
Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-165506-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-165506-1	Solid Sample #1	Solid	06/20/19 00:00	06/21/19 09:20	
500-165506-2	Solid Sample #2	Solid	06/20/19 00:00	06/21/19 09:20	
500-165506-3	Jatco Soil	Solid	06/20/19 00:00	06/21/19 09:20	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client Sample Results

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

Job ID: 500-165506-2

Client Sample ID: Solid Sample #1

Lab Sample ID: 500-165506-1

Date Collected: 06/20/19 00:00

Matrix: Solid

Date Received: 06/21/19 09:20

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1.0		0.20	0.20	mg/L		07/03/19 08:55	07/03/19 17:11	1
Antimony	0.0090	J	0.050	0.0060	mg/L		07/03/19 08:55	07/03/19 17:11	1
Arsenic	0.0034	J	0.050	0.0020	mg/L		07/03/19 08:55	07/03/19 17:11	1
Barium	<0.050		0.50	0.050	mg/L		07/03/19 08:55	07/03/19 17:11	1
Beryllium	<0.0020		0.0040	0.0020	mg/L		07/03/19 08:55	07/03/19 17:11	1
Boron	<0.050		0.10	0.050	mg/L		07/03/19 08:55	07/03/19 17:11	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/03/19 08:55	07/03/19 17:11	1
Chromium	0.0081	J	0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:11	1
Copper	0.0056	J	0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:11	1
Iron	1.1		0.20	0.20	mg/L		07/03/19 08:55	07/03/19 17:11	1
Lead	0.028	J	0.050	0.0020	mg/L		07/03/19 08:55	07/03/19 17:11	1
Manganese	0.012	J	0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:11	1
Molybdenum	<0.0050		0.050	0.0050	mg/L		07/03/19 08:55	07/03/19 17:11	1
Nickel	<0.0050		0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:11	1
Selenium	<0.010		0.050	0.010	mg/L		07/03/19 08:55	07/03/19 17:11	1
Silver	<0.0050		0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:11	1
Thallium	<0.0020		0.050	0.0020	mg/L		07/03/19 08:55	07/03/19 17:11	1
Zinc	0.042	J	0.10	0.020	mg/L		07/03/19 08:55	07/03/19 17:11	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/03/19 10:15	07/05/19 08:29	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0067	J	0.010	0.0035	mg/L		07/05/19 10:20	07/05/19 14:53	1
Chloride	0.30		0.20	0.17	mg/L			07/05/19 22:00	1
Fluoride	0.071	J	0.20	0.067	mg/L			07/05/19 22:00	1
Sulfate	4.1		0.20	0.095	mg/L			07/05/19 22:00	1
Phenolics, Total Recoverable	<0.0041		0.0050	0.0041	mg/L		07/08/19 07:45	07/08/19 10:03	1
Nitrogen, Nitrate Nitrite	<0.041		0.10	0.041	mg/L			07/04/19 11:41	1

Client Sample Results

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

Job ID: 500-165506-2

Client Sample ID: Solid Sample #2

Lab Sample ID: 500-165506-2

Date Collected: 06/20/19 00:00

Matrix: Solid

Date Received: 06/21/19 09:20

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.20		0.20	0.20	mg/L		07/03/19 08:55	07/03/19 17:15	1
Antimony	0.040	J	0.050	0.0060	mg/L		07/03/19 08:55	07/03/19 17:15	1
Arsenic	0.0049	J	0.050	0.0020	mg/L		07/03/19 08:55	07/03/19 17:15	1
Barium	<0.050		0.50	0.050	mg/L		07/03/19 08:55	07/03/19 17:15	1
Beryllium	<0.0020		0.0040	0.0020	mg/L		07/03/19 08:55	07/03/19 17:15	1
Boron	<0.050		0.10	0.050	mg/L		07/03/19 08:55	07/03/19 17:15	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/03/19 08:55	07/03/19 17:15	1
Chromium	<0.0050		0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:15	1
Copper	<0.0050		0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:15	1
Iron	<0.20		0.20	0.20	mg/L		07/03/19 08:55	07/03/19 17:15	1
Lead	0.0073	J	0.050	0.0020	mg/L		07/03/19 08:55	07/03/19 17:15	1
Manganese	<0.0050		0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:15	1
Molybdenum	<0.0050		0.050	0.0050	mg/L		07/03/19 08:55	07/03/19 17:15	1
Nickel	<0.0050		0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:15	1
Selenium	<0.010		0.050	0.010	mg/L		07/03/19 08:55	07/03/19 17:15	1
Silver	<0.0050		0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:15	1
Thallium	<0.0020		0.050	0.0020	mg/L		07/03/19 08:55	07/03/19 17:15	1
Zinc	<0.020		0.10	0.020	mg/L		07/03/19 08:55	07/03/19 17:15	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/03/19 10:15	07/05/19 08:31	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.037		0.010	0.0035	mg/L		07/05/19 10:20	07/05/19 14:53	1
Chloride	0.82		0.20	0.17	mg/L			07/05/19 22:12	1
Fluoride	0.085	J	0.20	0.067	mg/L			07/05/19 22:12	1
Sulfate	11		1.0	0.48	mg/L			07/05/19 22:24	5
Phenolics, Total Recoverable	<0.0041		0.0050	0.0041	mg/L		07/08/19 07:45	07/08/19 10:06	1
Nitrogen, Nitrate Nitrite	<0.041		0.10	0.041	mg/L			07/04/19 11:43	1

Client Sample Results

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

Job ID: 500-165506-2

Client Sample ID: Jatco Soil

Lab Sample ID: 500-165506-3

Date Collected: 06/20/19 00:00

Matrix: Solid

Date Received: 06/21/19 09:20

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.25		0.20	0.20	mg/L		07/03/19 08:55	07/03/19 17:19	1
Antimony	<0.0060		0.050	0.0060	mg/L		07/03/19 08:55	07/03/19 17:19	1
Arsenic	<0.0020		0.050	0.0020	mg/L		07/03/19 08:55	07/03/19 17:19	1
Barium	<0.050		0.50	0.050	mg/L		07/03/19 08:55	07/03/19 17:19	1
Beryllium	<0.0020		0.0040	0.0020	mg/L		07/03/19 08:55	07/03/19 17:19	1
Boron	<0.050		0.10	0.050	mg/L		07/03/19 08:55	07/03/19 17:19	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/03/19 08:55	07/03/19 17:19	1
Chromium	<0.0050		0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:19	1
Copper	<0.0050		0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:19	1
Iron	<0.20		0.20	0.20	mg/L		07/03/19 08:55	07/03/19 17:19	1
Lead	<0.0020		0.050	0.0020	mg/L		07/03/19 08:55	07/03/19 17:19	1
Manganese	<0.0050		0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:19	1
Molybdenum	<0.0050		0.050	0.0050	mg/L		07/03/19 08:55	07/03/19 17:19	1
Nickel	<0.0050		0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:19	1
Selenium	<0.010		0.050	0.010	mg/L		07/03/19 08:55	07/03/19 17:19	1
Silver	<0.0050		0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:19	1
Thallium	<0.0020		0.050	0.0020	mg/L		07/03/19 08:55	07/03/19 17:19	1
Zinc	<0.020		0.10	0.020	mg/L		07/03/19 08:55	07/03/19 17:19	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/03/19 10:15	07/05/19 08:32	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0035		0.010	0.0035	mg/L		07/05/19 10:20	07/05/19 14:53	1
Chloride	1.3		0.20	0.17	mg/L			07/05/19 22:37	1
Fluoride	0.074 J		0.20	0.067	mg/L			07/05/19 22:37	1
Sulfate	0.24		0.20	0.095	mg/L			07/05/19 22:37	1
Phenolics, Total Recoverable	<0.0041		0.0050	0.0041	mg/L		07/08/19 07:45	07/08/19 10:08	1
Nitrogen, Nitrate Nitrite	<0.041		0.10	0.041	mg/L			07/04/19 11:45	1

Definitions/Glossary

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

Job ID: 500-165506-2

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance 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.
α	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
 Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-165506-2

Metals

Leach Batch: 493088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	ASTM Leach	Solid	D3987-85	
500-165506-2	Solid Sample #2	ASTM Leach	Solid	D3987-85	
500-165506-3	Jatco Soil	ASTM Leach	Solid	D3987-85	
LB3 500-493088/1-B	Method Blank	ASTM Leach	Solid	D3987-85	
LB3 500-493088/1-C	Method Blank	ASTM Leach	Solid	D3987-85	

Prep Batch: 493241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	ASTM Leach	Solid	3010A	493088
500-165506-2	Solid Sample #2	ASTM Leach	Solid	3010A	493088
500-165506-3	Jatco Soil	ASTM Leach	Solid	3010A	493088
LB3 500-493088/1-B	Method Blank	ASTM Leach	Solid	3010A	493088
LCS 500-493241/2-A	Lab Control Sample	Total/NA	Solid	3010A	
LCSD 500-493241/3-A	Lab Control Sample Dup	Total/NA	Solid	3010A	

Prep Batch: 493266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	ASTM Leach	Solid	7470A	493088
500-165506-2	Solid Sample #2	ASTM Leach	Solid	7470A	493088
500-165506-3	Jatco Soil	ASTM Leach	Solid	7470A	493088
LB3 500-493088/1-C	Method Blank	ASTM Leach	Solid	7470A	493088
MB 500-493266/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-493266/13-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 493500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	ASTM Leach	Solid	6020A	493241
500-165506-2	Solid Sample #2	ASTM Leach	Solid	6020A	493241
500-165506-3	Jatco Soil	ASTM Leach	Solid	6020A	493241
LB3 500-493088/1-B	Method Blank	ASTM Leach	Solid	6020A	493241
LCS 500-493241/2-A	Lab Control Sample	Total/NA	Solid	6020A	493241
LCSD 500-493241/3-A	Lab Control Sample Dup	Total/NA	Solid	6020A	493241

Analysis Batch: 493513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	ASTM Leach	Solid	7470A	493266
500-165506-2	Solid Sample #2	ASTM Leach	Solid	7470A	493266
500-165506-3	Jatco Soil	ASTM Leach	Solid	7470A	493266
LB3 500-493088/1-C	Method Blank	ASTM Leach	Solid	7470A	493266
MB 500-493266/12-A	Method Blank	Total/NA	Solid	7470A	493266
LCS 500-493266/13-A	Lab Control Sample	Total/NA	Solid	7470A	493266

General Chemistry

Leach Batch: 493088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	ASTM Leach	Solid	D3987-85	
500-165506-1	Solid Sample #1	ASTM Leach	Solid	D3987-85	
500-165506-2	Solid Sample #2	ASTM Leach	Solid	D3987-85	
500-165506-2	Solid Sample #2	ASTM Leach	Solid	D3987-85	
500-165506-3	Jatco Soil	ASTM Leach	Solid	D3987-85	

Eurofins TestAmerica, Chicago

QC Association Summary

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

Job ID: 500-165506-2

General Chemistry (Continued)

Leach Batch: 493088 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-3	Jatco Soil	ASTM Leach	Solid	D3987-85	
LB3 500-493088/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
500-165506-3 MS	Jatco Soil	ASTM Leach	Solid	D3987-85	
500-165506-3 MSD	Jatco Soil	ASTM Leach	Solid	D3987-85	

Analysis Batch: 493464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	ASTM Leach	Solid	SM 4500 NO3 F	493088
500-165506-2	Solid Sample #2	ASTM Leach	Solid	SM 4500 NO3 F	493088
500-165506-3	Jatco Soil	ASTM Leach	Solid	SM 4500 NO3 F	493088
LB3 500-493088/1-A	Method Blank	ASTM Leach	Solid	SM 4500 NO3 F	493088
MB 500-493464/28	Method Blank	Total/NA	Solid	SM 4500 NO3 F	
LCS 500-493464/29	Lab Control Sample	Total/NA	Solid	SM 4500 NO3 F	

Prep Batch: 493489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	ASTM Leach	Solid	9010C	493088
500-165506-2	Solid Sample #2	ASTM Leach	Solid	9010C	493088
500-165506-3	Jatco Soil	ASTM Leach	Solid	9010C	493088
MB 500-493489/9-A	Method Blank	Total/NA	Solid	9010C	
LCS 500-493489/10-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 493559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	ASTM Leach	Solid	9014	493489
500-165506-2	Solid Sample #2	ASTM Leach	Solid	9014	493489
500-165506-3	Jatco Soil	ASTM Leach	Solid	9014	493489
MB 500-493489/9-A	Method Blank	Total/NA	Solid	9014	493489
LCS 500-493489/10-A	Lab Control Sample	Total/NA	Solid	9014	493489

Analysis Batch: 493563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	ASTM Leach	Solid	9056A	493088
500-165506-2	Solid Sample #2	ASTM Leach	Solid	9056A	493088
500-165506-2	Solid Sample #2	ASTM Leach	Solid	9056A	493088
500-165506-3	Jatco Soil	ASTM Leach	Solid	9056A	493088
MB 500-493563/3	Method Blank	Total/NA	Solid	9056A	
LCS 500-493563/4	Lab Control Sample	Total/NA	Solid	9056A	
500-165506-3 MS	Jatco Soil	ASTM Leach	Solid	9056A	493088
500-165506-3 MSD	Jatco Soil	ASTM Leach	Solid	9056A	493088

Prep Batch: 493698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	ASTM Leach	Solid	Distill/Phenol	493088
500-165506-2	Solid Sample #2	ASTM Leach	Solid	Distill/Phenol	493088
500-165506-3	Jatco Soil	ASTM Leach	Solid	Distill/Phenol	493088
MB 500-493698/1-A	Method Blank	Total/NA	Solid	Distill/Phenol	
LCS 500-493698/2-A	Lab Control Sample	Total/NA	Solid	Distill/Phenol	

QC Association Summary

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

Job ID: 500-165506-2

General Chemistry

Analysis Batch: 493761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	ASTM Leach	Solid	9066	493698
500-165506-2	Solid Sample #2	ASTM Leach	Solid	9066	493698
500-165506-3	Jatco Soil	ASTM Leach	Solid	9066	493698
MB 500-493698/1-A	Method Blank	Total/NA	Solid	9066	493698
LCS 500-493698/2-A	Lab Control Sample	Total/NA	Solid	9066	493698

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Sample Results

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

Job ID: 500-165506-2

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: LCS 500-493241/2-A
Matrix: Solid
Analysis Batch: 493500

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493241
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aluminum	2.00	1.91		mg/L		95	80 - 120
Antimony	0.500	0.546		mg/L		109	80 - 120
Arsenic	0.100	0.0980		mg/L		98	80 - 120
Barium	0.500	0.500		mg/L		100	80 - 120
Beryllium	0.0500	0.0469		mg/L		94	80 - 120
Boron	1.00	1.05		mg/L		105	80 - 120
Cadmium	0.0500	0.0504		mg/L		101	80 - 120
Chromium	0.200	0.199		mg/L		100	80 - 120
Copper	0.250	0.253		mg/L		101	80 - 120
Iron	1.00	1.09		mg/L		109	80 - 120
Lead	0.100	0.106		mg/L		106	80 - 120
Manganese	0.500	0.539		mg/L		108	80 - 120
Molybdenum	1.00	1.04		mg/L		104	80 - 120
Nickel	0.500	0.513		mg/L		103	80 - 120
Selenium	0.100	0.0978		mg/L		98	80 - 120
Silver	0.0500	0.0523		mg/L		105	80 - 120
Thallium	0.100	0.104		mg/L		104	80 - 120
Zinc	0.500	0.489		mg/L		98	80 - 120

Lab Sample ID: LCSD 500-493241/3-A
Matrix: Solid
Analysis Batch: 493500

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 493241
%Rec.

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Aluminum	2.00	1.90		mg/L		95	80 - 120	0	20
Antimony	0.500	0.546		mg/L		109	80 - 120	0	20
Arsenic	0.100	0.0976		mg/L		98	80 - 120	0	20
Barium	0.500	0.495	J	mg/L		99	80 - 120	1	20
Beryllium	0.0500	0.0475		mg/L		95	80 - 120	1	20
Boron	1.00	1.03		mg/L		103	80 - 120	1	20
Cadmium	0.0500	0.0505		mg/L		101	80 - 120	0	20
Chromium	0.200	0.198		mg/L		99	80 - 120	1	20
Copper	0.250	0.251		mg/L		100	80 - 120	1	20
Iron	1.00	1.08		mg/L		108	80 - 120	1	20
Lead	0.100	0.104		mg/L		104	80 - 120	2	20
Manganese	0.500	0.530		mg/L		106	80 - 120	2	20
Molybdenum	1.00	1.03		mg/L		103	80 - 120	0	20
Nickel	0.500	0.507		mg/L		101	80 - 120	1	20
Selenium	0.100	0.0983		mg/L		98	80 - 120	1	20
Silver	0.0500	0.0520		mg/L		104	80 - 120	1	20
Thallium	0.100	0.102		mg/L		102	80 - 120	2	20
Zinc	0.500	0.485		mg/L		97	80 - 120	1	20

Lab Sample ID: LB3 500-493088/1-B
Matrix: Solid
Analysis Batch: 493500

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 493241

Analyte	LB3 Result	LB3 Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.20		0.20	0.20	mg/L		07/03/19 08:55	07/03/19 17:00	1

Eurofins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-165506-2

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LB3 500-493088/1-B
Matrix: Solid
Analysis Batch: 493500

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 493241

Analyte	LB3 Result	LB3 Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.050	0.0060	mg/L		07/03/19 08:55	07/03/19 17:00	1
Arsenic	<0.0020		0.050	0.0020	mg/L		07/03/19 08:55	07/03/19 17:00	1
Barium	<0.050		0.50	0.050	mg/L		07/03/19 08:55	07/03/19 17:00	1
Beryllium	<0.0020		0.0040	0.0020	mg/L		07/03/19 08:55	07/03/19 17:00	1
Boron	<0.050		0.10	0.050	mg/L		07/03/19 08:55	07/03/19 17:00	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/03/19 08:55	07/03/19 17:00	1
Chromium	<0.0050		0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:00	1
Copper	<0.0050		0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:00	1
Iron	<0.20		0.20	0.20	mg/L		07/03/19 08:55	07/03/19 17:00	1
Lead	<0.0020		0.050	0.0020	mg/L		07/03/19 08:55	07/03/19 17:00	1
Manganese	<0.0050		0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:00	1
Molybdenum	<0.0050		0.050	0.0050	mg/L		07/03/19 08:55	07/03/19 17:00	1
Nickel	<0.0050		0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:00	1
Selenium	<0.010		0.050	0.010	mg/L		07/03/19 08:55	07/03/19 17:00	1
Silver	<0.0050		0.025	0.0050	mg/L		07/03/19 08:55	07/03/19 17:00	1
Thallium	<0.0020		0.050	0.0020	mg/L		07/03/19 08:55	07/03/19 17:00	1
Zinc	<0.020		0.10	0.020	mg/L		07/03/19 08:55	07/03/19 17:00	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-493266/12-A
Matrix: Solid
Analysis Batch: 493513

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 493266

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/03/19 10:15	07/05/19 07:48	1

Lab Sample ID: LCS 500-493266/13-A
Matrix: Solid
Analysis Batch: 493513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493266

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00200	0.00206		mg/L		103	80 - 120

Lab Sample ID: LB3 500-493088/1-C
Matrix: Solid
Analysis Batch: 493513

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 493266

Analyte	LB3 Result	LB3 Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/03/19 10:15	07/05/19 08:28	1

Method: 9014 - Cyanide

Lab Sample ID: MB 500-493489/9-A
Matrix: Solid
Analysis Batch: 493559

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 493489

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0035		0.010	0.0035	mg/L		07/05/19 10:20	07/05/19 14:50	1

Eurofins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-165506-2

Method: 9014 - Cyanide (Continued)

Lab Sample ID: LCS 500-493489/10-A
 Matrix: Solid
 Analysis Batch: 493559

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 493489
 %Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	0.100	0.103		mg/L		103	85 - 115

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 500-493563/3
 Matrix: Solid
 Analysis Batch: 493563

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

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.17		0.20	0.17	mg/L			07/05/19 15:51	1
Fluoride	<0.067		0.20	0.067	mg/L			07/05/19 15:51	1
Sulfate	<0.095		0.20	0.095	mg/L			07/05/19 15:51	1

Lab Sample ID: LCS 500-493563/4
 Matrix: Solid
 Analysis Batch: 493563

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chloride	3.00	3.10		mg/L		103	80 - 120
Fluoride	1.00	1.03		mg/L		103	80 - 120
Sulfate	5.00	5.25		mg/L		105	80 - 120

Lab Sample ID: 500-165506-3 MS
 Matrix: Solid
 Analysis Batch: 493563

Client Sample ID: Jatco Soil
 Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Chloride	1.3		1.00	2.26		mg/L		99	80 - 120
Fluoride	0.074	J	0.600	0.723	^	mg/L		108	80 - 120
Sulfate	0.24		2.50	2.81		mg/L		103	80 - 120

Lab Sample ID: 500-165506-3 MSD
 Matrix: Solid
 Analysis Batch: 493563

Client Sample ID: Jatco Soil
 Prep Type: ASTM Leach

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	1.3		1.00	2.30		mg/L		103	80 - 120	2	15
Fluoride	0.074	J	0.600	0.758	^	mg/L		114	80 - 120	5	15
Sulfate	0.24		2.50	2.93		mg/L		107	80 - 120	4	15

Method: 9066 - Phenolics, Total Recoverable

Lab Sample ID: MB 500-493698/1-A
 Matrix: Solid
 Analysis Batch: 493761

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 493698

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	<0.0041		0.0050	0.0041	mg/L		07/08/19 07:45	07/08/19 09:53	1

Eurofins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-165506-2

Method: 9066 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: LCS 500-493698/2-A
 Matrix: Solid
 Analysis Batch: 493761

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 493698
 %Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Phenolics, Total Recoverable	0.100	0.0947		mg/L		95	90 - 110

Method: SM 4500 NO3 F - Nitrogen, Nitrate

Lab Sample ID: MB 500-493464/28
 Matrix: Solid
 Analysis Batch: 493464

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

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate Nitrite	<0.041		0.10	0.041	mg/L			07/04/19 12:09	1

Lab Sample ID: LCS 500-493464/29
 Matrix: Solid
 Analysis Batch: 493464

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Nitrogen, Nitrate Nitrite	1.00	0.883		mg/L		88	80 - 120

Lab Sample ID: LB3 500-493088/1-A
 Matrix: Solid
 Analysis Batch: 493464

Client Sample ID: Method Blank
 Prep Type: ASTM Leach

Analyte	LB3 Result	LB3 Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate Nitrite	<0.041		0.10	0.041	mg/L			07/04/19 11:39	1

Lab Chronicle

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

Job ID: 500-165506-2

Client Sample ID: Solid Sample #1

Lab Sample ID: 500-165506-1

Date Collected: 06/20/19 00:00

Matrix: Solid

Date Received: 06/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:25	GCA	TAL CHI
ASTM Leach	Prep	3010A			493241	07/03/19 08:55	SAH	TAL CHI
ASTM Leach	Analysis	6020A		1	493500	07/03/19 17:11	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:25	GCA	TAL CHI
ASTM Leach	Prep	7470A			493266	07/03/19 10:15	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	493513	07/05/19 08:29	MJG	TAL CHI
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:08	GCA	TAL CHI
ASTM Leach	Prep	9010C			493489	07/05/19 10:20	MS	TAL CHI
ASTM Leach	Analysis	9014		1	493559		MS	TAL CHI
					(Start)	07/05/19 14:53		
					(End)	07/05/19 14:53		
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:25	GCA	TAL CHI
ASTM Leach	Analysis	9056A		1	493563	07/05/19 22:00	EAT	TAL CHI
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:25	GCA	TAL CHI
ASTM Leach	Prep	Distill/Phenol			493698	07/08/19 07:45	MTB	TAL CHI
ASTM Leach	Analysis	9066		1	493761	07/08/19 10:03	MTB	TAL CHI
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:25	GCA	TAL CHI
ASTM Leach	Analysis	SM 4500 NO3 F		1	493464	07/04/19 11:41	PFK	TAL CHI

Client Sample ID: Solid Sample #2

Lab Sample ID: 500-165506-2

Date Collected: 06/20/19 00:00

Matrix: Solid

Date Received: 06/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:25	GCA	TAL CHI
ASTM Leach	Prep	3010A			493241	07/03/19 08:55	SAH	TAL CHI
ASTM Leach	Analysis	6020A		1	493500	07/03/19 17:15	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:25	GCA	TAL CHI
ASTM Leach	Prep	7470A			493266	07/03/19 10:15	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	493513	07/05/19 08:31	MJG	TAL CHI
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:08	GCA	TAL CHI
ASTM Leach	Prep	9010C			493489	07/05/19 10:20	MS	TAL CHI
ASTM Leach	Analysis	9014		1	493559		MS	TAL CHI
					(Start)	07/05/19 14:53		
					(End)	07/05/19 14:53		
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:25	GCA	TAL CHI
ASTM Leach	Analysis	9056A		1	493563	07/05/19 22:12	EAT	TAL CHI
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:25	GCA	TAL CHI
ASTM Leach	Analysis	9056A		5	493563	07/05/19 22:24	EAT	TAL CHI
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:25	GCA	TAL CHI
ASTM Leach	Prep	Distill/Phenol			493698	07/08/19 07:45	MTB	TAL CHI
ASTM Leach	Analysis	9066		1	493761	07/08/19 10:06	MTB	TAL CHI
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:25	GCA	TAL CHI
ASTM Leach	Analysis	SM 4500 NO3 F		1	493464	07/04/19 11:43	PFK	TAL CHI

Lab Chronicle

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

Job ID: 500-165506-2

Client Sample ID: Jatco Soil

Lab Sample ID: 500-165506-3

Date Collected: 06/20/19 00:00

Matrix: Solid

Date Received: 06/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:25	GCA	TAL CHI
ASTM Leach	Prep	3010A			493241	07/03/19 08:55	SAH	TAL CHI
ASTM Leach	Analysis	6020A		1	493500	07/03/19 17:19	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:25	GCA	TAL CHI
ASTM Leach	Prep	7470A			493266	07/03/19 10:15	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	493513	07/05/19 08:32	MJG	TAL CHI
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:08	GCA	TAL CHI
ASTM Leach	Prep	9010C			493489	07/05/19 10:20	MS	TAL CHI
ASTM Leach	Analysis	9014		1	493559		MS	TAL CHI
					(Start)	07/05/19 14:53		
					(End)	07/05/19 14:54		
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:25	GCA	TAL CHI
ASTM Leach	Analysis	9056A		1	493563	07/05/19 22:37	EAT	TAL CHI
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:25	GCA	TAL CHI
ASTM Leach	Prep	Distill/Phenol			493698	07/08/19 07:45	MTB	TAL CHI
ASTM Leach	Analysis	9066		1	493761	07/08/19 10:08	MTB	TAL CHI
ASTM Leach	Leach	D3987-85			493088	07/02/19 11:25	GCA	TAL CHI
ASTM Leach	Analysis	SM 4500 NO3 F		1	493464	07/04/19 11:45	PFK	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
Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-165506-2

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



TestAmerica Chicago

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

Chain of Custody Record



THE LEADER IN ENVIRONMENTAL TESTING

Client Information		Sampler: <u>Riley Underwood</u>		Lab PM: Knapp, Jim D		Carrier Tracking No(s):		COC No: 500-66160-31136.1	
Client Contact: Mr. Daniel Dunn		Phone:		E-Mail: jim.knapp@testamericainc.com				Page: 1 of 1	
Company: EnviroAnalytics Group LLC								Job #: <u>500-165506</u>	
Address: 1515 Des Peres Rd. Suite 300		Due Date Requested:						Analysis Requested	
City: Saint Louis		TAT Requested (days): <u>5-7 days</u>						500-165506 COC	
State, Zip: MO, 63131		PO #: 7741						Preservation Codes:	
Phone: 314-835-2814(Tel)		WO #:						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)	
Email: ddunn@enviroanalyticsgroup.com		Project #: 50014801						Other:	
Project Name: Rock River Sediment Removal, Janesville		SSOW#:							
Site:									
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=soil, O=wastelol, BT=Tissue, A=Air)	
								Field Filtered Sample (Yes or No)	
								Reform (MS/MSD/MS/SS/SS/SD)	
								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	
								Total Number of containers	
								Special Instructions/Note:	
								Preservation Code: X X N N N S D N N	
								Water	
								Water	
								Water	
								Water	
								Water	
1 Solid sample #1		6/20/19				C		Solid	
2 Solid sample #2		6/20/19				GC		Solid	
3 Sabco soil		6/20/19				GC		Solid	
								Solid	
								Solid	
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <u>Riley Underwood</u>		Date/Time: <u>6/20/19</u>		Company:		Received by: <u>Paula Buckley</u>		Date/Time: <u>6/21/19 0920</u>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <u>1.3 → 3.3</u>		<u>489t</u>			

DMT 6/21/19

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Login Sample Receipt Checklist

Client: EnviroAnalytics Group LLC

Job Number: 500-165506-2

Login Number: 165506

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Buckley, Paula M

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	3.3
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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200


Laboratory Job ID: 500-165974-1

Client Project/Site: Rock River Sediment Removal, Janesville

For:

EnviroAnalytics Group LLC
1515 Des Peres Rd.
Suite 300
Saint Louis, Missouri 63131

Attn: Mr. Daniel Dunn



Authorized for release by:
7/8/2019 11:21:06 AM

Jim Knapp, Project Manager II
(630)758-0262
jim.knapp@testamericainc.com

LINKS

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results through
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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Case Narrative

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

Job ID: 500-165974-1

Job ID: 500-165974-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-165974-1

Comments

No additional comments.

Receipt

The samples were received on 6/29/2019 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8° C.

GC/MS Semi VOA

Method(s) 8270D: The following sample was diluted due to the nature of the sample matrix: Geo Bag 1 (500-165974-5). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA

Method(s) 608: The continuing calibration verification (CCV) associated with batch 283930 recovered above the upper control limit for 1016 and surrogate TCMX. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8082A: The following sample was diluted due to the nature of the sample matrix: Geo Bag 1 (500-165974-5). 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: Geo Bag 1 (500-165974-5). The reagent lot number used was: 190938.

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

Metals

Method(s) 1631E: Reanalysis confirms the field blank result above the requested reporting limit: Field Blank (500-165974-2).

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

General Chemistry

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

Organic Prep

Method(s) 608: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 180-283891.

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

Detection Summary

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

Job ID: 500-165974-1

Client Sample ID: Sample 4

Lab Sample ID: 500-165974-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Total Mercury	0.92	B	0.50	0.14	ng/L	1		1631E	Total/NA
Zinc	34	B	10	3.6	ug/L	1		200.7 Rev 4.4	Total Recoverable
Total Suspended Solids	4.0	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA

Client Sample ID: Field Blank

Lab Sample ID: 500-165974-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Total Mercury	0.77	B	0.50	0.14	ng/L	1		1631E	Total/NA

Client Sample ID: BF2

Lab Sample ID: 500-165974-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Total Mercury	25	B	2.5	0.70	ng/L	5		1631E	Total/NA

Client Sample ID: Tank 3 Post Cleaning

Lab Sample ID: 500-165974-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Total Mercury	35	B	2.5	0.70	ng/L	5		1631E	Total/NA

Client Sample ID: Geo Bag 1

Lab Sample ID: 500-165974-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	140	J	370	68	ug/Kg	5	*	8270D	Total/NA
Anthracene	310	J	370	63	ug/Kg	5	*	8270D	Total/NA
Benzo[a]anthracene	650		370	51	ug/Kg	5	*	8270D	Total/NA
Benzo[a]pyrene	670		370	73	ug/Kg	5	*	8270D	Total/NA
Benzo[b]fluoranthene	770		370	81	ug/Kg	5	*	8270D	Total/NA
Benzo[g,h,i]perylene	140	J	370	120	ug/Kg	5	*	8270D	Total/NA
Benzo[k]fluoranthene	630		370	110	ug/Kg	5	*	8270D	Total/NA
Chrysene	890		370	100	ug/Kg	5	*	8270D	Total/NA
Fluoranthene	1900		370	70	ug/Kg	5	*	8270D	Total/NA
Fluorene	160	J	370	53	ug/Kg	5	*	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	290	J	370	97	ug/Kg	5	*	8270D	Total/NA
Naphthalene	190	J	370	58	ug/Kg	5	*	8270D	Total/NA
Phenanthrene	1200		370	52	ug/Kg	5	*	8270D	Total/NA
Pyrene	1500		370	75	ug/Kg	5	*	8270D	Total/NA
1-Methylnaphthalene	290	J	760	92	ug/Kg	5	*	8270D	Total/NA
2-Methylnaphthalene	340	J	760	69	ug/Kg	5	*	8270D	Total/NA
Arsenic	4.6		2.3	0.80	mg/Kg	1	*	6010B	Total/NA
Barium	340		2.3	0.27	mg/Kg	1	*	6010B	Total/NA
Cadmium	1.5	B	0.47	0.084	mg/Kg	1	*	6010B	Total/NA
Chromium	46		2.3	1.2	mg/Kg	1	*	6010B	Total/NA
Lead	300		1.2	0.54	mg/Kg	1	*	6010B	Total/NA
Selenium	2.5		2.3	1.4	mg/Kg	1	*	6010B	Total/NA
Silver	2.2		1.2	0.30	mg/Kg	1	*	6010B	Total/NA
Mercury	5500		180	61	ug/Kg	5	*	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Method Summary

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

Job ID: 500-165974-1

Method	Method Description	Protocol	Laboratory
625	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
EPA 608	Polychlorinated Biphenyls (PCBs) (GC)	40CFR136A	TAL PIT
1631E	Mercury, Low Level (CVAFS)	EPA	TAL CAN
200.7 Rev 4.4	Metals (ICP)	EPA	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL CHI
1631E	Preparation, Mercury, Low Level	EPA	TAL CAN
200.7	Preparation, Total Recoverable Metals	EPA	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
608	Liquid-Liquid Extraction (Separatory Funnel)	40CFR136A	TAL PIT
625	Liquid-Liquid Extraction	40CFR136A	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

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

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

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

Job ID: 500-165974-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-165974-1	Sample 4	Water	06/28/19 00:00	06/29/19 09:40	
500-165974-2	Field Blank	Water	06/28/19 00:00	06/29/19 09:40	
500-165974-3	BF2	Water	06/28/19 00:00	06/29/19 09:40	
500-165974-4	Tank 3 Post Cleaning	Water	06/28/19 00:00	06/29/19 09:40	
500-165974-5	Geo Bag 1	Solid	06/28/19 00:00	06/29/19 09:40	

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Client Sample Results

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

Job ID: 500-165974-1

Client Sample ID: Sample 4

Lab Sample ID: 500-165974-1

Date Collected: 06/28/19 00:00

Matrix: Water

Date Received: 06/29/19 09:40

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<0.15		0.83	0.15	ug/L		07/02/19 16:46	07/03/19 12:19	1
Benzo[a]pyrene	<0.063		0.83	0.063	ug/L		07/02/19 16:46	07/03/19 12:19	1
Fluoranthene	<0.17		0.83	0.17	ug/L		07/02/19 16:46	07/03/19 12:19	1
Fluorene	<0.14		0.83	0.14	ug/L		07/02/19 16:46	07/03/19 12:19	1
Naphthalene	<0.13		0.83	0.13	ug/L		07/02/19 16:46	07/03/19 12:19	1
Phenanthrene	<0.17		0.83	0.17	ug/L		07/02/19 16:46	07/03/19 12:19	1
Pyrene	<0.19		0.83	0.19	ug/L		07/02/19 16:46	07/03/19 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	64		36 - 120	07/02/19 16:46	07/03/19 12:19	1
Terphenyl-d14	102		40 - 145	07/02/19 16:46	07/03/19 12:19	1
2-Fluorobiphenyl	54		34 - 110	07/02/19 16:46	07/03/19 12:19	1

Method: EPA 608 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<4.6		9.6	4.6	ng/L		07/03/19 09:30	07/04/19 13:15	1
PCB-1221	<5.5		9.6	5.5	ng/L		07/03/19 09:30	07/04/19 13:15	1
PCB-1232	<5.0		9.6	5.0	ng/L		07/03/19 09:30	07/04/19 13:15	1
PCB-1242	<8.8		9.6	8.8	ng/L		07/03/19 09:30	07/04/19 13:15	1
PCB-1248	<2.9		9.6	2.9	ng/L		07/03/19 09:30	07/04/19 13:15	1
PCB-1254	<9.2		9.6	9.2	ng/L		07/03/19 09:30	07/04/19 13:15	1
PCB-1260	<3.8		9.6	3.8	ng/L		07/03/19 09:30	07/04/19 13:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	82		38 - 146	07/03/19 09:30	07/04/19 13:15	1
DCB Decachlorobiphenyl (Surr)	93		42 - 150	07/03/19 09:30	07/04/19 13:15	1

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Total Mercury	0.92	B	0.50	0.14	ng/L		07/02/19 14:00	07/03/19 09:55	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<1.3		2.5	1.3	ug/L		07/01/19 07:34	07/01/19 15:53	1
Arsenic	<2.1		5.0	2.1	ug/L		07/01/19 07:34	07/01/19 15:53	1
Zinc	34	B	10	3.6	ug/L		07/01/19 07:34	07/01/19 15:53	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	J	5.0	1.9	mg/L			07/03/19 05:16	1

Client Sample Results

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

Job ID: 500-165974-1

Client Sample ID: Field Blank

Lab Sample ID: 500-165974-2

Date Collected: 06/28/19 00:00

Matrix: Water

Date Received: 06/29/19 09:40

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Total Mercury	0.77	B	0.50	0.14	ng/L		07/02/19 14:00	07/03/19 09:59	1

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Client Sample Results

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

Job ID: 500-165974-1

Client Sample ID: BF2

Lab Sample ID: 500-165974-3

Date Collected: 06/28/19 00:00

Matrix: Water

Date Received: 06/29/19 09:40

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Total Mercury	25	B	2.5	0.70	ng/L		07/02/19 14:00	07/03/19 10:03	5

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Client Sample Results

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

Job ID: 500-165974-1

Client Sample ID: Tank 3 Post Cleaning

Lab Sample ID: 500-165974-4

Date Collected: 06/28/19 00:00

Matrix: Water

Date Received: 06/29/19 09:40

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Total Mercury	35	B	2.5	0.70	ng/L		07/02/19 14:00	07/03/19 10:06	5

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Client Sample Results

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

Job ID: 500-165974-1

Client Sample ID: Geo Bag 1

Date Collected: 06/28/19 00:00

Date Received: 06/29/19 09:40

Lab Sample ID: 500-165974-5

Matrix: Solid

Percent Solids: 42.3

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	J	370	68	ug/Kg	☼	07/01/19 07:56	07/01/19 21:21	5
Acenaphthylene	<50		370	50	ug/Kg	☼	07/01/19 07:56	07/01/19 21:21	5
Anthracene	310	J	370	63	ug/Kg	☼	07/01/19 07:56	07/01/19 21:21	5
Benzo[a]anthracene	650		370	51	ug/Kg	☼	07/01/19 07:56	07/01/19 21:21	5
Benzo[a]pyrene	670		370	73	ug/Kg	☼	07/01/19 07:56	07/01/19 21:21	5
Benzo[b]fluoranthene	770		370	81	ug/Kg	☼	07/01/19 07:56	07/01/19 21:21	5
Benzo[g,h,i]perylene	140	J	370	120	ug/Kg	☼	07/01/19 07:56	07/01/19 21:21	5
Benzo[k]fluoranthene	630		370	110	ug/Kg	☼	07/01/19 07:56	07/01/19 21:21	5
Chrysene	890		370	100	ug/Kg	☼	07/01/19 07:56	07/01/19 21:21	5
Dibenz(a,h)anthracene	<73		370	73	ug/Kg	☼	07/01/19 07:56	07/01/19 21:21	5
Fluoranthene	1900		370	70	ug/Kg	☼	07/01/19 07:56	07/01/19 21:21	5
Fluorene	160	J	370	53	ug/Kg	☼	07/01/19 07:56	07/01/19 21:21	5
Indeno[1,2,3-cd]pyrene	290	J	370	97	ug/Kg	☼	07/01/19 07:56	07/01/19 21:21	5
Naphthalene	190	J	370	58	ug/Kg	☼	07/01/19 07:56	07/01/19 21:21	5
Phenanthrene	1200		370	52	ug/Kg	☼	07/01/19 07:56	07/01/19 21:21	5
Pyrene	1500		370	75	ug/Kg	☼	07/01/19 07:56	07/01/19 21:21	5
1-Methylnaphthalene	290	J	760	92	ug/Kg	☼	07/01/19 07:56	07/01/19 21:21	5
2-Methylnaphthalene	340	J	760	69	ug/Kg	☼	07/01/19 07:56	07/01/19 21:21	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	44		37 - 147				07/01/19 07:56	07/01/19 21:21	5
Terphenyl-d14 (Surr)	87		42 - 157				07/01/19 07:56	07/01/19 21:21	5
2-Fluorobiphenyl (Surr)	68		43 - 145				07/01/19 07:56	07/01/19 21:21	5

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<68		190	68	ug/Kg	☼	07/02/19 16:49	07/03/19 12:59	5
PCB-1221	<84		190	84	ug/Kg	☼	07/02/19 16:49	07/03/19 12:59	5
PCB-1232	<83		190	83	ug/Kg	☼	07/02/19 16:49	07/03/19 12:59	5
PCB-1242	<63		190	63	ug/Kg	☼	07/02/19 16:49	07/03/19 12:59	5
PCB-1248	<75		190	75	ug/Kg	☼	07/02/19 16:49	07/03/19 12:59	5
PCB-1254	<41		190	41	ug/Kg	☼	07/02/19 16:49	07/03/19 12:59	5
PCB-1260	<94		190	94	ug/Kg	☼	07/02/19 16:49	07/03/19 12:59	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	110		49 - 129				07/02/19 16:49	07/03/19 12:59	5
DCB Decachlorobiphenyl	121		37 - 121				07/02/19 16:49	07/03/19 12:59	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.6		2.3	0.80	mg/Kg	☼	07/02/19 07:46	07/02/19 20:21	1
Barium	340		2.3	0.27	mg/Kg	☼	07/02/19 07:46	07/02/19 20:21	1
Cadmium	1.5	B	0.47	0.084	mg/Kg	☼	07/02/19 07:46	07/02/19 20:21	1
Chromium	46		2.3	1.2	mg/Kg	☼	07/02/19 07:46	07/02/19 20:21	1
Lead	300		1.2	0.54	mg/Kg	☼	07/02/19 07:46	07/02/19 20:21	1
Selenium	2.5		2.3	1.4	mg/Kg	☼	07/02/19 07:46	07/02/19 20:21	1
Silver	2.2		1.2	0.30	mg/Kg	☼	07/02/19 07:46	07/02/19 20:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	5500		180	61	ug/Kg	☼	07/02/19 14:25	07/03/19 11:26	5

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Definitions/Glossary

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

Job ID: 500-165974-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
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.
α	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
 Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-165974-1

GC/MS Semi VOA

Prep Batch: 492818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165974-5	Geo Bag 1	Total/NA	Solid	3541	
MB 500-492818/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-492818/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 492899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-492818/1-A	Method Blank	Total/NA	Solid	8270D	492818
LCS 500-492818/2-A	Lab Control Sample	Total/NA	Solid	8270D	492818

Analysis Batch: 492907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165974-5	Geo Bag 1	Total/NA	Solid	8270D	492818

Prep Batch: 493139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165974-1	Sample 4	Total/NA	Water	625	
MB 500-493139/1-A	Method Blank	Total/NA	Water	625	
LCS 500-493139/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 500-493139/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 493223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165974-1	Sample 4	Total/NA	Water	625	493139
MB 500-493139/1-A	Method Blank	Total/NA	Water	625	493139
LCS 500-493139/2-A	Lab Control Sample	Total/NA	Water	625	493139
LCSD 500-493139/3-A	Lab Control Sample Dup	Total/NA	Water	625	493139

GC Semi VOA

Prep Batch: 283891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165974-1	Sample 4	Total/NA	Water	608	
MB 180-283891/1-A	Method Blank	Total/NA	Water	608	
LCS 180-283891/4-A	Lab Control Sample	Total/NA	Water	608	
LCSD 180-283891/5-A	Lab Control Sample Dup	Total/NA	Water	608	

Analysis Batch: 283930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165974-1	Sample 4	Total/NA	Water	EPA 608	283891
MB 180-283891/1-A	Method Blank	Total/NA	Water	EPA 608	283891
LCS 180-283891/4-A	Lab Control Sample	Total/NA	Water	EPA 608	283891
LCSD 180-283891/5-A	Lab Control Sample Dup	Total/NA	Water	EPA 608	283891

Prep Batch: 493141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165974-5	Geo Bag 1	Total/NA	Solid	3541	
MB 500-493141/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-493141/3-A	Lab Control Sample	Total/NA	Solid	3541	

QC Association Summary

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

Job ID: 500-165974-1

GC Semi VOA

Analysis Batch: 493278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165974-5	Geo Bag 1	Total/NA	Solid	8082A	493141
MB 500-493141/1-A	Method Blank	Total/NA	Solid	8082A	493141
LCS 500-493141/3-A	Lab Control Sample	Total/NA	Solid	8082A	493141

Metals

Prep Batch: 389432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165974-1	Sample 4	Total/NA	Water	1631E	
500-165974-2	Field Blank	Total/NA	Water	1631E	
500-165974-3	BF2	Total/NA	Water	1631E	
500-165974-4	Tank 3 Post Cleaning	Total/NA	Water	1631E	
MB 240-389432/1-A	Method Blank	Total/NA	Water	1631E	
LCS 240-389432/2-A	Lab Control Sample	Total/NA	Water	1631E	

Analysis Batch: 389716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165974-1	Sample 4	Total/NA	Water	1631E	389432
500-165974-2	Field Blank	Total/NA	Water	1631E	389432
500-165974-3	BF2	Total/NA	Water	1631E	389432
500-165974-4	Tank 3 Post Cleaning	Total/NA	Water	1631E	389432
MB 240-389432/1-A	Method Blank	Total/NA	Water	1631E	389432
LCS 240-389432/2-A	Lab Control Sample	Total/NA	Water	1631E	389432

Prep Batch: 492803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165974-1	Sample 4	Total Recoverable	Water	200.7	
MB 500-492803/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-492803/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Prep Batch: 492882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165974-5	Geo Bag 1	Total/NA	Solid	3050B	
MB 500-492882/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-492882/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 493001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165974-1	Sample 4	Total Recoverable	Water	200.7 Rev 4.4	492803
MB 500-492803/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	492803
LCS 500-492803/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	492803

Prep Batch: 493064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165974-5	Geo Bag 1	Total/NA	Solid	7471B	
MB 500-493064/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-493064/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 493192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165974-5	Geo Bag 1	Total/NA	Solid	6010B	492882

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QC Association Summary

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

Job ID: 500-165974-1

Metals (Continued)

Analysis Batch: 493192 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-492882/1-A	Method Blank	Total/NA	Solid	6010B	492882
LCS 500-492882/2-A	Lab Control Sample	Total/NA	Solid	6010B	492882

Analysis Batch: 493285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165974-5	Geo Bag 1	Total/NA	Solid	7471B	493064
MB 500-493064/12-A	Method Blank	Total/NA	Solid	7471B	493064
LCS 500-493064/13-A	Lab Control Sample	Total/NA	Solid	7471B	493064

General Chemistry

Analysis Batch: 492878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165974-5	Geo Bag 1	Total/NA	Solid	Moisture	

Analysis Batch: 493193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165974-1	Sample 4	Total/NA	Water	SM 2540D	
MB 500-493193/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-493193/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Surrogate Summary

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

Job ID: 500-165974-1

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (36-120)	TPHL (40-145)	FBP (34-110)
500-165974-1	Sample 4	64	102	54
LCS 500-493139/2-A	Lab Control Sample	76	95	64
LCSD 500-493139/3-A	Lab Control Sample Dup	67	89	62
MB 500-493139/1-A	Method Blank	63	86	55

Surrogate Legend

NBZ = Nitrobenzene-d5

TPHL = Terphenyl-d14

FBP = 2-Fluorobiphenyl

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (37-147)	TPHL (42-157)	FBP (43-145)
500-165974-5	Geo Bag 1	44	87	68
LCS 500-492818/2-A	Lab Control Sample	102	98	92
MB 500-492818/1-A	Method Blank	96	101	91

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	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (49-129)	DCBP1 (37-121)
500-165974-5	Geo Bag 1	110	121
LCS 500-493141/3-A	Lab Control Sample	76	103
MB 500-493141/1-A	Method Blank	75	100

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: EPA 608 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (38-146)	TCX2 (38-146)	DCB1 (42-150)	DCB2 (42-150)
500-165974-1	Sample 4	57	82	91	93
LCS 180-283891/4-A	Lab Control Sample	77	99	100	99
LCSD 180-283891/5-A	Lab Control Sample Dup	74	99	99	100
MB 180-283891/1-A	Method Blank	73	96	97	99

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)

DCB = DCB Decachlorobiphenyl (Surr)

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QC Sample Results

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

Job ID: 500-165974-1

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-493139/1-A
Matrix: Water
Analysis Batch: 493223

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 493139

Analyte	MB	MB	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Anthracene	<0.15		0.80	0.15	ug/L		07/02/19 16:46	07/03/19 11:21	1
Benzo[a]pyrene	<0.061		0.80	0.061	ug/L		07/02/19 16:46	07/03/19 11:21	1
Fluoranthene	<0.16		0.80	0.16	ug/L		07/02/19 16:46	07/03/19 11:21	1
Fluorene	<0.13		0.80	0.13	ug/L		07/02/19 16:46	07/03/19 11:21	1
Naphthalene	<0.12		0.80	0.12	ug/L		07/02/19 16:46	07/03/19 11:21	1
Phenanthrene	<0.17		0.80	0.17	ug/L		07/02/19 16:46	07/03/19 11:21	1
Pyrene	<0.18		0.80	0.18	ug/L		07/02/19 16:46	07/03/19 11:21	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5	63		36 - 120	07/02/19 16:46	07/03/19 11:21	1
Terphenyl-d14	86		40 - 145	07/02/19 16:46	07/03/19 11:21	1
2-Fluorobiphenyl	55		34 - 110	07/02/19 16:46	07/03/19 11:21	1

Lab Sample ID: LCS 500-493139/2-A
Matrix: Water
Analysis Batch: 493223

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493139

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
Anthracene	32.0	25.8		ug/L		81	27 - 133
Benzo[a]pyrene	32.0	30.8		ug/L		96	17 - 163
Fluoranthene	32.0	27.8		ug/L		87	26 - 137
Fluorene	32.0	20.2		ug/L		63	59 - 121
Naphthalene	32.0	18.0		ug/L		56	21 - 133
Phenanthrene	32.0	23.9		ug/L		75	54 - 120
Pyrene	32.0	28.5		ug/L		89	52 - 115

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	76		36 - 120
Terphenyl-d14	95		40 - 145
2-Fluorobiphenyl	64		34 - 110

Lab Sample ID: LCSD 500-493139/3-A
Matrix: Water
Analysis Batch: 493223

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 493139

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	Limit
		Result	Qualifier						
Anthracene	32.0	24.1		ug/L		75	27 - 133	7	20
Benzo[a]pyrene	32.0	29.9		ug/L		93	17 - 163	3	20
Fluoranthene	32.0	26.1		ug/L		82	26 - 137	6	20
Fluorene	32.0	19.2		ug/L		60	59 - 121	5	20
Naphthalene	32.0	15.5		ug/L		48	21 - 133	15	20
Phenanthrene	32.0	22.5		ug/L		70	54 - 120	6	20
Pyrene	32.0	27.0		ug/L		84	52 - 115	6	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	67		36 - 120
Terphenyl-d14	89		40 - 145

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QC Sample Results

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

Job ID: 500-165974-1

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 500-493139/3-A
Matrix: Water
Analysis Batch: 493223

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 493139

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	62		34 - 110

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

Lab Sample ID: MB 500-492818/1-A
Matrix: Solid
Analysis Batch: 492899

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 492818

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<6.0		33	6.0	ug/Kg		07/01/19 07:56	07/01/19 16:49	1
Acenaphthylene	<4.4		33	4.4	ug/Kg		07/01/19 07:56	07/01/19 16:49	1
Anthracene	<5.6		33	5.6	ug/Kg		07/01/19 07:56	07/01/19 16:49	1
Benzo[a]anthracene	<4.5		33	4.5	ug/Kg		07/01/19 07:56	07/01/19 16:49	1
Benzo[a]pyrene	<6.4		33	6.4	ug/Kg		07/01/19 07:56	07/01/19 16:49	1
Benzo[b]fluoranthene	<7.2		33	7.2	ug/Kg		07/01/19 07:56	07/01/19 16:49	1
Benzo[g,h,i]perylene	<11		33	11	ug/Kg		07/01/19 07:56	07/01/19 16:49	1
Benzo[k]fluoranthene	<9.8		33	9.8	ug/Kg		07/01/19 07:56	07/01/19 16:49	1
Chrysene	<9.1		33	9.1	ug/Kg		07/01/19 07:56	07/01/19 16:49	1
Dibenz(a,h)anthracene	<6.4		33	6.4	ug/Kg		07/01/19 07:56	07/01/19 16:49	1
Fluoranthene	<6.2		33	6.2	ug/Kg		07/01/19 07:56	07/01/19 16:49	1
Fluorene	<4.7		33	4.7	ug/Kg		07/01/19 07:56	07/01/19 16:49	1
Indeno[1,2,3-cd]pyrene	<8.6		33	8.6	ug/Kg		07/01/19 07:56	07/01/19 16:49	1
Naphthalene	<5.1		33	5.1	ug/Kg		07/01/19 07:56	07/01/19 16:49	1
Phenanthrene	<4.6		33	4.6	ug/Kg		07/01/19 07:56	07/01/19 16:49	1
Pyrene	<6.6		33	6.6	ug/Kg		07/01/19 07:56	07/01/19 16:49	1
1-Methylnaphthalene	<8.1		67	8.1	ug/Kg		07/01/19 07:56	07/01/19 16:49	1
2-Methylnaphthalene	<6.1		67	6.1	ug/Kg		07/01/19 07:56	07/01/19 16:49	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5 (Surr)	96		37 - 147	07/01/19 07:56	07/01/19 16:49	1
Terphenyl-d14 (Surr)	101		42 - 157	07/01/19 07:56	07/01/19 16:49	1
2-Fluorobiphenyl (Surr)	91		43 - 145	07/01/19 07:56	07/01/19 16:49	1

Lab Sample ID: LCS 500-492818/2-A
Matrix: Solid
Analysis Batch: 492899

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 492818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	1330	1210		ug/Kg		91	65 - 124
Acenaphthylene	1330	1220		ug/Kg		91	68 - 120
Anthracene	1330	1210		ug/Kg		91	70 - 114
Benzo[a]anthracene	1330	1260		ug/Kg		94	67 - 122
Benzo[a]pyrene	1330	1320		ug/Kg		99	65 - 133
Benzo[b]fluoranthene	1330	1290		ug/Kg		97	69 - 129
Benzo[g,h,i]perylene	1330	1320		ug/Kg		99	72 - 131
Benzo[k]fluoranthene	1330	1290		ug/Kg		96	68 - 127
Chrysene	1330	1220		ug/Kg		92	63 - 120
Dibenz(a,h)anthracene	1330	1330		ug/Kg		100	64 - 131

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QC Sample Results

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

Job ID: 500-165974-1

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

Lab Sample ID: LCS 500-492818/2-A
Matrix: Solid
Analysis Batch: 492899

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 492818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Fluoranthene	1330	1260		ug/Kg		95	62 - 120	
Fluorene	1330	1210		ug/Kg		91	62 - 120	
Indeno[1,2,3-cd]pyrene	1330	1330		ug/Kg		100	68 - 130	
Naphthalene	1330	1190		ug/Kg		90	63 - 110	
Phenanthrene	1330	1190		ug/Kg		89	62 - 120	
Pyrene	1330	1220		ug/Kg		92	61 - 128	
1-Methylnaphthalene	1330	1210		ug/Kg		90	68 - 111	
2-Methylnaphthalene	1330	1210		ug/Kg		91	69 - 112	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	102		37 - 147
Terphenyl-d14 (Surr)	98		42 - 157
2-Fluorobiphenyl (Surr)	92		43 - 145

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

Lab Sample ID: MB 500-493141/1-A
Matrix: Solid
Analysis Batch: 493278

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 493141

Analyte	MB MB		LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<5.9		17	5.9	ug/Kg		07/02/19 16:49	07/03/19 12:28	1
PCB-1221	<7.3		17	7.3	ug/Kg		07/02/19 16:49	07/03/19 12:28	1
PCB-1232	<7.3		17	7.3	ug/Kg		07/02/19 16:49	07/03/19 12:28	1
PCB-1242	<5.5		17	5.5	ug/Kg		07/02/19 16:49	07/03/19 12:28	1
PCB-1248	<6.6		17	6.6	ug/Kg		07/02/19 16:49	07/03/19 12:28	1
PCB-1254	<3.6		17	3.6	ug/Kg		07/02/19 16:49	07/03/19 12:28	1
PCB-1260	<8.2		17	8.2	ug/Kg		07/02/19 16:49	07/03/19 12:28	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	75		49 - 129	07/02/19 16:49	07/03/19 12:28	1
DCB Decachlorobiphenyl	100		37 - 121	07/02/19 16:49	07/03/19 12:28	1

Lab Sample ID: LCS 500-493141/3-A
Matrix: Solid
Analysis Batch: 493278

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493141

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
PCB-1016	167	160		ug/Kg		96	57 - 120	
PCB-1260	167	167		ug/Kg		100	61 - 125	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	76		49 - 129
DCB Decachlorobiphenyl	103		37 - 121

QC Sample Results

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

Job ID: 500-165974-1

Method: EPA 608 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 180-283891/1-A
Matrix: Water
Analysis Batch: 283930

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 283891

Analyte	MB	MB	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<4.8		10	4.8	ng/L		07/03/19 09:30	07/04/19 09:30	1
PCB-1221	<5.7		10	5.7	ng/L		07/03/19 09:30	07/04/19 09:30	1
PCB-1232	<5.2		10	5.2	ng/L		07/03/19 09:30	07/04/19 09:30	1
PCB-1242	<9.1		10	9.1	ng/L		07/03/19 09:30	07/04/19 09:30	1
PCB-1248	<3.0		10	3.0	ng/L		07/03/19 09:30	07/04/19 09:30	1
PCB-1254	<9.5		10	9.5	ng/L		07/03/19 09:30	07/04/19 09:30	1
PCB-1260	<3.9		10	3.9	ng/L		07/03/19 09:30	07/04/19 09:30	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene (Surr)	96		38 - 146	07/03/19 09:30	07/04/19 09:30	1
DCB Decachlorobiphenyl (Surr)	99		42 - 150	07/03/19 09:30	07/04/19 09:30	1

Lab Sample ID: LCS 180-283891/4-A
Matrix: Water
Analysis Batch: 283930

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 283891

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
PCB-1016	1000	958		ng/L		96	50 - 140
PCB-1260	1000	848		ng/L		85	10 - 140

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene (Surr)	99		38 - 146
DCB Decachlorobiphenyl (Surr)	100		42 - 150

Lab Sample ID: LCSD 180-283891/5-A
Matrix: Water
Analysis Batch: 283930

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 283891

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	Limit
		Result	Qualifier						
PCB-1016	1000	1100		ng/L		110	50 - 140	14	35
PCB-1260	1000	873		ng/L		87	10 - 140	3	35

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene (Surr)	99		38 - 146
DCB Decachlorobiphenyl (Surr)	100		42 - 150

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 240-389432/1-A
Matrix: Water
Analysis Batch: 389716

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389432

Analyte	MB	MB	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Mercury	0.188	J	0.50	0.14	ng/L		07/02/19 14:00	07/03/19 09:01	1

QC Sample Results

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

Job ID: 500-165974-1

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: LCS 240-389432/2-A
 Matrix: Water
 Analysis Batch: 389716

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 389432
 %Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Mercury	5.00	5.78		ng/L		116	77 - 123

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 500-492803/1-A
 Matrix: Water
 Analysis Batch: 493001

Client Sample ID: Method Blank
 Prep Type: Total Recoverable
 Prep Batch: 492803

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<1.3		2.5	1.3	ug/L		07/01/19 07:34	07/01/19 15:45	1
Arsenic	<2.1		5.0	2.1	ug/L		07/01/19 07:34	07/01/19 15:45	1
Zinc	4.09	J	10	3.6	ug/L		07/01/19 07:34	07/01/19 15:45	1

Lab Sample ID: LCS 500-492803/2-A
 Matrix: Water
 Analysis Batch: 493001

Client Sample ID: Lab Control Sample
 Prep Type: Total Recoverable
 Prep Batch: 492803
 %Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	50.0	50.3		ug/L		101	85 - 115
Arsenic	50.0	51.6		ug/L		103	85 - 115
Zinc	250	249		ug/L		99	85 - 115

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-492882/1-A
 Matrix: Solid
 Analysis Batch: 493192

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 492882

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.34		1.0	0.34	mg/Kg		07/02/19 07:46	07/02/19 18:21	1
Barium	<0.11		1.0	0.11	mg/Kg		07/02/19 07:46	07/02/19 18:21	1
Cadmium	0.149	J	0.20	0.036	mg/Kg		07/02/19 07:46	07/02/19 18:21	1
Chromium	<0.50		1.0	0.50	mg/Kg		07/02/19 07:46	07/02/19 18:21	1
Lead	<0.23		0.50	0.23	mg/Kg		07/02/19 07:46	07/02/19 18:21	1
Selenium	<0.59		1.0	0.59	mg/Kg		07/02/19 07:46	07/02/19 18:21	1
Silver	<0.13		0.50	0.13	mg/Kg		07/02/19 07:46	07/02/19 18:21	1

Lab Sample ID: LCS 500-492882/2-A
 Matrix: Solid
 Analysis Batch: 493192

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 492882
 %Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	10.0	8.91		mg/Kg		89	80 - 120
Barium	200	197		mg/Kg		99	80 - 120
Cadmium	5.00	4.95		mg/Kg		99	80 - 120
Chromium	20.0	19.3		mg/Kg		96	80 - 120
Lead	10.0	9.26		mg/Kg		93	80 - 120
Selenium	10.0	8.86		mg/Kg		89	80 - 120
Silver	5.00	4.52		mg/Kg		90	80 - 120

QC Sample Results

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

Job ID: 500-165974-1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-493064/12-A
Matrix: Solid
Analysis Batch: 493285

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 493064

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<5.6		17	5.6	ug/Kg		07/02/19 14:25	07/03/19 08:25	1

Lab Sample ID: LCS 500-493064/13-A
Matrix: Solid
Analysis Batch: 493285

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493064
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	167	180		ug/Kg		108	80 - 120

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-493193/1
Matrix: Water
Analysis Batch: 493193

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

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			07/03/19 04:29	1

Lab Sample ID: LCS 500-493193/2
Matrix: Water
Analysis Batch: 493193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Suspended Solids	200	188		mg/L		94	80 - 120

Lab Chronicle

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

Job ID: 500-165974-1

Client Sample ID: Sample 4

Lab Sample ID: 500-165974-1

Date Collected: 06/28/19 00:00

Matrix: Water

Date Received: 06/29/19 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	625			493139	07/02/19 16:46	ACK	TAL CHI
Total/NA	Analysis	625		1	493223	07/03/19 12:19	AJD	TAL CHI
Total/NA	Prep	608			283891	07/03/19 09:30	CBY	TAL PIT
Total/NA	Analysis	EPA 608		1	283930	07/04/19 13:15	JMO	TAL PIT
Total/NA	Prep	1631E			389432	07/02/19 14:00	DTN	TAL CAN
Total/NA	Analysis	1631E		1	389716	07/03/19 09:55	DTN	TAL CAN
Total Recoverable	Prep	200.7			492803	07/01/19 07:34	SAH	TAL CHI
Total Recoverable	Analysis	200.7 Rev 4.4		1	493001	07/01/19 15:53	EEN	TAL CHI
Total/NA	Analysis	SM 2540D		1	493193	(Start) 07/03/19 05:16 (End) 07/03/19 05:18	CLB	TAL CHI

Client Sample ID: Field Blank

Lab Sample ID: 500-165974-2

Date Collected: 06/28/19 00:00

Matrix: Water

Date Received: 06/29/19 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			389432	07/02/19 14:00	DTN	TAL CAN
Total/NA	Analysis	1631E		1	389716	07/03/19 09:59	DTN	TAL CAN

Client Sample ID: BF2

Lab Sample ID: 500-165974-3

Date Collected: 06/28/19 00:00

Matrix: Water

Date Received: 06/29/19 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			389432	07/02/19 14:00	DTN	TAL CAN
Total/NA	Analysis	1631E		5	389716	07/03/19 10:03	DTN	TAL CAN

Client Sample ID: Tank 3 Post Cleaning

Lab Sample ID: 500-165974-4

Date Collected: 06/28/19 00:00

Matrix: Water

Date Received: 06/29/19 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			389432	07/02/19 14:00	DTN	TAL CAN
Total/NA	Analysis	1631E		5	389716	07/03/19 10:06	DTN	TAL CAN

Client Sample ID: Geo Bag 1

Lab Sample ID: 500-165974-5

Date Collected: 06/28/19 00:00

Matrix: Solid

Date Received: 06/29/19 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	492878	07/01/19 11:52	LWN	TAL CHI

Lab Chronicle

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

Job ID: 500-165974-1

Client Sample ID: Geo Bag 1

Lab Sample ID: 500-165974-5

Date Collected: 06/28/19 00:00

Matrix: Solid

Date Received: 06/29/19 09:40

Percent Solids: 42.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			492818	07/01/19 07:56	DX	TAL CHI
Total/NA	Analysis	8270D		5	492907	07/01/19 21:21	AJD	TAL CHI
Total/NA	Prep	3541			493141	07/02/19 16:49	JP1	TAL CHI
Total/NA	Analysis	8082A		5	493278	07/03/19 12:59	SS	TAL CHI
Total/NA	Prep	3050B			492882	07/02/19 07:46	SAH	TAL CHI
Total/NA	Analysis	6010B		1	493192	07/02/19 20:21	JEF	TAL CHI
Total/NA	Prep	7471B			493064	07/02/19 14:25	MJG	TAL CHI
Total/NA	Analysis	7471B		5	493285	07/03/19 11:26	MJG	TAL CHI

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

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

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Accreditation/Certification Summary

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

Job ID: 500-165974-1

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
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Laboratory: Eurofins TestAmerica, Canton

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Oregon	NELAP	10	4062	02-23-20

Laboratory: Eurofins TestAmerica, Pittsburgh

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	998027800	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
EPA 608	608	Water	PCB-1016
EPA 608	608	Water	PCB-1221
EPA 608	608	Water	PCB-1232
EPA 608	608	Water	PCB-1242
EPA 608	608	Water	PCB-1248
EPA 608	608	Water	PCB-1254
EPA 608	608	Water	PCB-1260

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

Chain of Custody Record

Client Information		Sampler: <i>Brian Skala / Marc Zimmerman</i>		Lab PM: Knapp, Jim D		Carrier Tracking No(s):		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		Address: 1515 Des Peres Rd. Suite 300		Due Date Requested:		Analysis Requested		Job #: <i>500165974</i>	
City: Saint Louis		State, Zip: MO, 63131		TAT Requested (days): <i>3 days</i>				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)	
Phone: 314-835-2814(Tel)		PO #: 7741		Project #: 50014801				Other:	
Email: ddunn@enviroanalyticsgroup.com		WO #:		Project Name: Rock River Sediment Removal, Janesville				Total Number of containers:	
Site:		SSOW#:		Project #: 50014801				Special Instructions/Note:	
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	
						Preservation Code:			
<i>1/2</i> Sample 4		<i>6/28/19</i>				Water			
<i>3</i> BF2		<i>6/28/19</i>				Water			
<i>4</i> Tank 3 Post cleaning		<i>6/28/19</i>				Water			
						Water			
<i>5</i> Geo Bag 1		<i>6/27/19</i>				Solid		X	
						Solid			
						Solid			
						Solid			
						Solid			
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>Brian Skala / Marc Zimmerman</i>			Date/Time: <i>06/28/19 1:45 pm</i>		Company: <i>COJ</i>		Received by: <i>Jim Knapp</i>		
Relinquished by: <i>Mike Mulwood</i>			Date/Time:		Company:		Received by: <i>Jim Knapp</i>		
Relinquished by:			Date/Time:		Company:		Received by:		
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>4.8</i>					



500-165974 COC

RA Pest
 20EE

Chain of Custody Record



eurofins

Environment Testing
 TestAmerica

Client Information (Sub Contract Lab)		Sampler: Lab PM: Knapp, Jim D	
Client Contact: Shipping/Receiving		E-Mail: jim.knapp@testamericainc.com	
Company: TestAmerica Laboratories, Inc.		State of Origin: Wisconsin	
Address: 301 Alpha Drive, RIDC Park, Pittsburgh		Accreditations Required (See note): NELAP - Oregon; State Program - Wisconsin	
City: Pittsburgh		Job #: 500-165974-1	
State, Zip: PA, 15238		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Phone: 412-963-7058(Tel) 412-963-2468(Fax)		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Email:		Total Number of Containers: 2	
Project Name: Rock River Sediment Removal, Janesville		Special Instructions/Note:	
Site:			
Due Date Requested: 7/5/2019			
TAT Requested (days):			
PO #:			
WO #:			
Project #: 50014801			
SSOW#:			
Perform MS/MSD (Yes or No)			
Field Filtered Sample (Yes or No)			
608_PCB/608_Prep_PCB Priority Pollutant PCBs			
Sample Identification - Client ID (Lab ID)			
Sample 4 (500-165974-1)	Sample Date: 6/28/19	Sample Time: Central	Matrix (W=water, S=solid, O=soil, BT=Tissue, A=Air): Water
<p>Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.</p>			
Possible Hazard Identification			
Unconfirmed			
Deliverable Requested: I, II, III, IV, Other (specify)			
Primary Deliverable Rank: 2			
Empty Kit Relinquished by:			
Relinquished by: <i>Jim Scott</i>			
Date/Time: 7/1/19			
Date/Time: 1320			
Date/Time:			
Date/Time:			
Date/Time:			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No			
Custody Seal No.:			
Cooler Temperature(s) °C and Other Remarks:			
<p>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</p> <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Special Instructions/QC Requirements:			
Method of Shipment:			
Received by: <i>Jim Scott</i>			
Date/Time: 7/2/19			
Company: TA P: H			
Received by:			
Date/Time:			
Company:			
Received by:			
Date/Time:			
Company:			



Chain of Custody Record



22.4/22.5

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	IOC No:
Client Contact: Shipping/Receiving Company: TestAmerica Laboratories, Inc. Address: 4101 Shuffel Street NW, City: North Canton State, Zip: OH, 44720 Phone: 330-497-9396(Tel) 330-497-0772(Fax) Email:		Knapp, Jim D	Knapp, Jim D	Wisconsin	500-122797.1
Project Name: Rock River Sediment Removal, Janesville Site:		Phone:	E-Mail:	State of Origin:	Page:
Project #: 50014801 SSOW#:		jim.knapp@testamericainc.com NELAP - Oregon; State Program - Wisconsin	jim.knapp@testamericainc.com NELAP - Oregon; State Program - Wisconsin	Wisconsin	Page 1 of 1
Due Date Requested: 7/5/2019 TAT Requested (days):		Accreditations Required (See note): NELAP - Oregon; State Program - Wisconsin			
PO #: WO #: Project #: 50014801 SSOW#:		Job #: 500-165974-1 Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)			
Sample Identification - Client ID (Lab ID)		Analysis Requested			
Sample Date	Sample Time (C=Comp, G=grab)	Sample Type (W=water, S=solid, O=waterfall, BT=tissue, A=Air)	Matrix (W=water, S=solid, O=waterfall, BT=tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)
Sample Date	Sample Time	Sample Type	Matrix	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)
6/28/19	Central	Water	Water	X	X
6/28/19	Central	Water	Water	X	X
6/28/19	Central	Water	Water	X	X
6/28/19	Central	Water	Water	X	X
Total Number of Containers					
Special Instructions/Note: LLS					
Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.					
Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify)					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Special Instructions/QC Requirements:					
Primary Deliverable Rank: 2					
Empty Kit Relinquished by:					
Relinquished by:					
Relinquished by:					
Relinquished by:					
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No					
Cooler Temperature(s) °C and Other Remarks:					



Eurofins TestAmerica Canton Sample Receipt Form/Narrative

Login # : _____


Canton Facility

Client ETA Site Name _____
Cooler Received on 7-2-19 Opened on 7-2-19 940
FedEx Gd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Cooler unpacked by:
Ryan Crabley

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # TA Foam Box Client Cooler Box Other _____
Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt See Multiple Cooler Form
IR GUN# IR-8 (CF +0.1 °C) Observed Cooler Temp. 22.4 °C Corrected Cooler Temp. 22.5 °C
IR GUN #36 (CF +0.6 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No
-Were the seals on the outside of the cooler(s) signed & dated? Yes No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No NA
-Were tamper/custody seals intact and uncompromised? Yes No NA
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were correct bottle(s) used for the test(s) indicated? Yes No
10. Sufficient quantity received to perform indicated analyses? Yes No
11. Are these work share samples? Yes No
If yes, Questions 12-16 have been checked at the originating laboratory.
12. Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC984738
13. Were VOAs on the COC? Yes No NA
14. Were air bubbles >6 mm in any VOA vials? Yes No NA  Larger than this.
15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes No NA
16. Was a LL Hg or Me Hg trip blank present? Yes No NA

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____

Concerning _____

17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:
Ryan Crabley

18. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

19. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____
VOA Sample Preservation - Date/Time VOAs Frozen: _____

Login Sample Receipt Checklist

Client: EnviroAnalytics Group LLC

Job Number: 500-165974-1

Login Number: 165974

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Fioravanti, Ariel M

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	4.8
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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: EnviroAnalytics Group LLC

Job Number: 500-165974-1

Login Number: 165974

List Number: 3

Creator: Pickl, Alex J

List Source: Eurofins TestAmerica, Pittsburgh

List Creation: 07/02/19 12:16 PM

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	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200


Laboratory Job ID: 500-166406-1

Client Project/Site: Rock River Sediment Removal, Janesville

For:

EnviroAnalytics Group LLC
1515 Des Peres Rd.
Suite 300
Saint Louis, Missouri 63131

Attn: Mr. Daniel Dunn



Authorized for release by:
7/12/2019 4:38:00 PM

Jim Knapp, Project Manager II
(630)758-0262
jim.knapp@testamericainc.com

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results through
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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Case Narrative

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

Job ID: 500-166406-1

Job ID: 500-166406-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-166406-1

Comments

No additional comments.

Receipt

The samples were received on 7/10/2019 9:10 AM; 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 leachate blank for preparation batch 500-494205 and 500-494469 and analytical batch 500-494577 contained 2-Methylnaphthalene and Naphthalene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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 required a mercury clean-up, via EPA Method 3660A, to reduce matrix interferences caused by sulfur: SOIL Sample #3 (500-166406-2). The reagent lot number used was: 190938.

Method(s) 8082A: The following sample was diluted due to the nature of the sample matrix: SOIL Sample #3 (500-166406-2). Elevated reporting limits (RLs) are provided.

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

Metals

No analytical or quality issues were noted, other than those described 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
 Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-166406-1

Client Sample ID: SOIL Sample #1

Lab Sample ID: 500-166406-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.6	J	50	2.0	ug/L	1		6020A	ASTM Leach
Chromium	8.5	J	25	5.0	ug/L	1		6020A	ASTM Leach
Lead	22	J	50	2.0	ug/L	1		6020A	ASTM Leach

Client Sample ID: SOIL Sample #3

Lab Sample ID: 500-166406-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	120		40	7.2	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	31	J	40	5.3	ug/Kg	1	☼	8270D	Total/NA
Anthracene	510		40	6.7	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	780		40	5.4	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	750		40	7.7	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	810		40	8.6	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	310		40	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	690		40	12	ug/Kg	1	☼	8270D	Total/NA
Chrysene	720		40	11	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	90		40	7.7	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	2400		40	7.4	ug/Kg	1	☼	8270D	Total/NA
Fluorene	140		40	5.6	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	300		40	10	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	100		40	6.1	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	1300		40	5.6	ug/Kg	1	☼	8270D	Total/NA
Pyrene	1500		40	7.9	ug/Kg	1	☼	8270D	Total/NA
1-Methylnaphthalene	78	J	81	9.8	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	140		81	7.3	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	17		10	3.2	ug/L	1		8270D	ASTM Leach
Naphthalene	110	B	10	3.0	ug/L	1		8270D	ASTM Leach
2-Methylnaphthalene	1.9	J B	20	1.3	ug/L	1		8270D	ASTM Leach
Arsenic	4.1		1.0	0.35	mg/Kg	1	☼	6010B	Total/NA
Barium	240	F1	1.0	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	1.1	B	0.20	0.037	mg/Kg	1	☼	6010B	Total/NA
Chromium	23		1.0	0.51	mg/Kg	1	☼	6010B	Total/NA
Lead	480		0.51	0.24	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.87	J	1.0	0.60	mg/Kg	1	☼	6010B	Total/NA
Silver	1.1		0.51	0.13	mg/Kg	1	☼	6010B	Total/NA
Arsenic	5.0	J	50	2.0	ug/L	1		6020A	ASTM Leach
Lead	3.7	J	50	2.0	ug/L	1		6020A	ASTM Leach
Mercury	320		19	6.4	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Method Summary

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

Job ID: 500-166406-1

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
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3010A	Preparation, Total Metals	SW846	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
7470A	Preparation, Mercury	SW846	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI
D3987-85	ASTM Leaching Procedure	ASTM	TAL CHI

Protocol References:

ASTM = ASTM International

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
Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-166406-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-166406-1	SOIL Sample #1	Solid	07/09/19 00:00	07/10/19 09:10	
500-166406-2	SOIL Sample #3	Solid	07/09/19 00:00	07/10/19 09:10	

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Client Sample Results

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

Job ID: 500-166406-1

Client Sample ID: SOIL Sample #1

Lab Sample ID: 500-166406-1

Date Collected: 07/09/19 00:00

Matrix: Solid

Date Received: 07/10/19 09:10

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<3.6		10	3.6	ug/L		07/11/19 17:12	07/12/19 12:59	1
Acenaphthylene	<3.2		10	3.2	ug/L		07/11/19 17:12	07/12/19 12:59	1
Anthracene	<3.2		10	3.2	ug/L		07/11/19 17:12	07/12/19 12:59	1
Benzo[a]anthracene	<0.44		2.0	0.44	ug/L		07/11/19 17:12	07/12/19 12:59	1
Benzo[a]pyrene	<0.56		2.0	0.56	ug/L		07/11/19 17:12	07/12/19 12:59	1
Benzo[b]fluoranthene	<0.58		2.0	0.58	ug/L		07/11/19 17:12	07/12/19 12:59	1
Benzo[g,h,i]perylene	<4.2		10	4.2	ug/L		07/11/19 17:12	07/12/19 12:59	1
Benzo[k]fluoranthene	<0.74		2.0	0.74	ug/L		07/11/19 17:12	07/12/19 12:59	1
Chrysene	<1.4		5.0	1.4	ug/L		07/11/19 17:12	07/12/19 12:59	1
Dibenz(a,h)anthracene	<0.64		3.0	0.64	ug/L		07/11/19 17:12	07/12/19 12:59	1
Fluoranthene	<3.2		10	3.2	ug/L		07/11/19 17:12	07/12/19 12:59	1
Fluorene	<3.8		10	3.8	ug/L		07/11/19 17:12	07/12/19 12:59	1
Indeno[1,2,3-cd]pyrene	<0.84		2.0	0.84	ug/L		07/11/19 17:12	07/12/19 12:59	1
Naphthalene	<3.0		10	3.0	ug/L		07/11/19 17:12	07/12/19 12:59	1
Phenanthrene	<3.5		10	3.5	ug/L		07/11/19 17:12	07/12/19 12:59	1
Pyrene	<4.8		10	4.8	ug/L		07/11/19 17:12	07/12/19 12:59	1
1-Methylnaphthalene	<5.0		20	5.0	ug/L		07/11/19 17:12	07/12/19 12:59	1
2-Methylnaphthalene	<1.3		20	1.3	ug/L		07/11/19 17:12	07/12/19 12:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	81		36 - 120	07/11/19 17:12	07/12/19 12:59	1
Terphenyl-d14 (Surr)	102		40 - 145	07/11/19 17:12	07/12/19 12:59	1
2-Fluorobiphenyl (Surr)	85		34 - 110	07/11/19 17:12	07/12/19 12:59	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.6	J	50	2.0	ug/L		07/11/19 14:48	07/12/19 12:07	1
Barium	<50		500	50	ug/L		07/11/19 14:48	07/12/19 12:07	1
Cadmium	<1.0		5.0	1.0	ug/L		07/11/19 14:48	07/12/19 12:07	1
Chromium	8.5	J	25	5.0	ug/L		07/11/19 14:48	07/12/19 12:07	1
Lead	22	J	50	2.0	ug/L		07/11/19 14:48	07/12/19 12:07	1
Selenium	<10		50	10	ug/L		07/11/19 14:48	07/12/19 12:07	1
Silver	<5.0		25	5.0	ug/L		07/11/19 14:48	07/12/19 12:07	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/12/19 08:20	07/12/19 11:32	1

Client Sample Results

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

Job ID: 500-166406-1

Client Sample ID: SOIL Sample #3

Lab Sample ID: 500-166406-2

Date Collected: 07/09/19 00:00

Matrix: Solid

Date Received: 07/10/19 09:10

Percent Solids: 82.8

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120		40	7.2	ug/Kg	☼	07/11/19 17:43	07/12/19 13:54	1
Acenaphthylene	31	J	40	5.3	ug/Kg	☼	07/11/19 17:43	07/12/19 13:54	1
Anthracene	510		40	6.7	ug/Kg	☼	07/11/19 17:43	07/12/19 13:54	1
Benzo[a]anthracene	780		40	5.4	ug/Kg	☼	07/11/19 17:43	07/12/19 13:54	1
Benzo[a]pyrene	750		40	7.7	ug/Kg	☼	07/11/19 17:43	07/12/19 13:54	1
Benzo[b]fluoranthene	810		40	8.6	ug/Kg	☼	07/11/19 17:43	07/12/19 13:54	1
Benzo[g,h,i]perylene	310		40	13	ug/Kg	☼	07/11/19 17:43	07/12/19 13:54	1
Benzo[k]fluoranthene	690		40	12	ug/Kg	☼	07/11/19 17:43	07/12/19 13:54	1
Chrysene	720		40	11	ug/Kg	☼	07/11/19 17:43	07/12/19 13:54	1
Dibenz(a,h)anthracene	90		40	7.7	ug/Kg	☼	07/11/19 17:43	07/12/19 13:54	1
Fluoranthene	2400		40	7.4	ug/Kg	☼	07/11/19 17:43	07/12/19 13:54	1
Fluorene	140		40	5.6	ug/Kg	☼	07/11/19 17:43	07/12/19 13:54	1
Indeno[1,2,3-cd]pyrene	300		40	10	ug/Kg	☼	07/11/19 17:43	07/12/19 13:54	1
Naphthalene	100		40	6.1	ug/Kg	☼	07/11/19 17:43	07/12/19 13:54	1
Phenanthrene	1300		40	5.6	ug/Kg	☼	07/11/19 17:43	07/12/19 13:54	1
Pyrene	1500		40	7.9	ug/Kg	☼	07/11/19 17:43	07/12/19 13:54	1
1-Methylnaphthalene	78	J	81	9.8	ug/Kg	☼	07/11/19 17:43	07/12/19 13:54	1
2-Methylnaphthalene	140		81	7.3	ug/Kg	☼	07/11/19 17:43	07/12/19 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	72		37 - 147	07/11/19 17:43	07/12/19 13:54	1
Terphenyl-d14 (Surr)	87		42 - 157	07/11/19 17:43	07/12/19 13:54	1
2-Fluorobiphenyl (Surr)	83		43 - 145	07/11/19 17:43	07/12/19 13:54	1

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<3.6		10	3.6	ug/L		07/11/19 17:12	07/12/19 13:23	1
Acenaphthylene	17		10	3.2	ug/L		07/11/19 17:12	07/12/19 13:23	1
Anthracene	<3.2		10	3.2	ug/L		07/11/19 17:12	07/12/19 13:23	1
Benzo[a]anthracene	<0.44		2.0	0.44	ug/L		07/11/19 17:12	07/12/19 13:23	1
Benzo[a]pyrene	<0.56		2.0	0.56	ug/L		07/11/19 17:12	07/12/19 13:23	1
Benzo[b]fluoranthene	<0.58		2.0	0.58	ug/L		07/11/19 17:12	07/12/19 13:23	1
Benzo[g,h,i]perylene	<4.2		10	4.2	ug/L		07/11/19 17:12	07/12/19 13:23	1
Benzo[k]fluoranthene	<0.74		2.0	0.74	ug/L		07/11/19 17:12	07/12/19 13:23	1
Chrysene	<1.4		5.0	1.4	ug/L		07/11/19 17:12	07/12/19 13:23	1
Dibenz(a,h)anthracene	<0.64		3.0	0.64	ug/L		07/11/19 17:12	07/12/19 13:23	1
Fluoranthene	<3.2		10	3.2	ug/L		07/11/19 17:12	07/12/19 13:23	1
Fluorene	<3.8		10	3.8	ug/L		07/11/19 17:12	07/12/19 13:23	1
Indeno[1,2,3-cd]pyrene	<0.84		2.0	0.84	ug/L		07/11/19 17:12	07/12/19 13:23	1
Naphthalene	110	B	10	3.0	ug/L		07/11/19 17:12	07/12/19 13:23	1
Phenanthrene	<3.5		10	3.5	ug/L		07/11/19 17:12	07/12/19 13:23	1
Pyrene	<4.8		10	4.8	ug/L		07/11/19 17:12	07/12/19 13:23	1
1-Methylnaphthalene	<5.0		20	5.0	ug/L		07/11/19 17:12	07/12/19 13:23	1
2-Methylnaphthalene	1.9	J B	20	1.3	ug/L		07/11/19 17:12	07/12/19 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	79		36 - 120	07/11/19 17:12	07/12/19 13:23	1
Terphenyl-d14 (Surr)	101		40 - 145	07/11/19 17:12	07/12/19 13:23	1
2-Fluorobiphenyl (Surr)	82		34 - 110	07/11/19 17:12	07/12/19 13:23	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-166406-1

Client Sample ID: SOIL Sample #3

Lab Sample ID: 500-166406-2

Date Collected: 07/09/19 00:00

Matrix: Solid

Date Received: 07/10/19 09:10

Percent Solids: 82.8

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<70		200	70	ug/Kg	☼	07/11/19 07:42	07/11/19 15:23	10
PCB-1221	<87		200	87	ug/Kg	☼	07/11/19 07:42	07/11/19 15:23	10
PCB-1232	<86		200	86	ug/Kg	☼	07/11/19 07:42	07/11/19 15:23	10
PCB-1242	<65		200	65	ug/Kg	☼	07/11/19 07:42	07/11/19 15:23	10
PCB-1248	<78		200	78	ug/Kg	☼	07/11/19 07:42	07/11/19 15:23	10
PCB-1254	<43		200	43	ug/Kg	☼	07/11/19 07:42	07/11/19 15:23	10
PCB-1260	<97		200	97	ug/Kg	☼	07/11/19 07:42	07/11/19 15:23	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	68		49 - 129	07/11/19 07:42	07/11/19 15:23	10
DCB Decachlorobiphenyl	112		37 - 121	07/11/19 07:42	07/11/19 15:23	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.1		1.0	0.35	mg/Kg	☼	07/10/19 16:02	07/11/19 11:34	1
Barium	240	F1	1.0	0.12	mg/Kg	☼	07/10/19 16:02	07/11/19 11:34	1
Cadmium	1.1	B	0.20	0.037	mg/Kg	☼	07/10/19 16:02	07/11/19 11:34	1
Chromium	23		1.0	0.51	mg/Kg	☼	07/10/19 16:02	07/11/19 11:34	1
Lead	480		0.51	0.24	mg/Kg	☼	07/10/19 16:02	07/11/19 11:34	1
Selenium	0.87	J	1.0	0.60	mg/Kg	☼	07/10/19 16:02	07/11/19 11:34	1
Silver	1.1		0.51	0.13	mg/Kg	☼	07/10/19 16:02	07/11/19 11:34	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	J	50	2.0	ug/L		07/11/19 14:48	07/12/19 12:14	1
Barium	<50		500	50	ug/L		07/11/19 14:48	07/12/19 12:14	1
Cadmium	<1.0		5.0	1.0	ug/L		07/11/19 14:48	07/12/19 12:14	1
Chromium	<5.0		25	5.0	ug/L		07/11/19 14:48	07/12/19 12:14	1
Lead	3.7	J	50	2.0	ug/L		07/11/19 14:48	07/12/19 12:14	1
Selenium	<10		50	10	ug/L		07/11/19 14:48	07/12/19 12:14	1
Silver	<5.0		25	5.0	ug/L		07/11/19 14:48	07/12/19 12:14	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/12/19 08:20	07/12/19 11:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	320		19	6.4	ug/Kg	☼	07/11/19 14:45	07/12/19 08:40	1

Definitions/Glossary

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

Job ID: 500-166406-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F3	Duplicate RPD exceeds the control limit
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.
α	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
 Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-166406-1

GC/MS Semi VOA

Leach Batch: 494205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166406-1	SOIL Sample #1	ASTM Leach	Solid	D3987-85	
500-166406-2	SOIL Sample #3	ASTM Leach	Solid	D3987-85	
LB3 500-494205/1-C	Method Blank	ASTM Leach	Solid	D3987-85	

Prep Batch: 494469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166406-1	SOIL Sample #1	ASTM Leach	Solid	3510C	494205
500-166406-2	SOIL Sample #3	ASTM Leach	Solid	3510C	494205
LB3 500-494205/1-C	Method Blank	ASTM Leach	Solid	3510C	494205
MB 500-494469/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 500-494469/2-A	Lab Control Sample	Total/NA	Solid	3510C	

Prep Batch: 494473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166406-2	SOIL Sample #3	Total/NA	Solid	3541	
MB 500-494473/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-494473/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 494554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-494473/1-A	Method Blank	Total/NA	Solid	8270D	494473
LCS 500-494473/2-A	Lab Control Sample	Total/NA	Solid	8270D	494473

Analysis Batch: 494560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166406-2	SOIL Sample #3	Total/NA	Solid	8270D	494473

Analysis Batch: 494577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166406-1	SOIL Sample #1	ASTM Leach	Solid	8270D	494469
500-166406-2	SOIL Sample #3	ASTM Leach	Solid	8270D	494469
LB3 500-494205/1-C	Method Blank	ASTM Leach	Solid	8270D	494469
MB 500-494469/1-A	Method Blank	Total/NA	Solid	8270D	494469
LCS 500-494469/2-A	Lab Control Sample	Total/NA	Solid	8270D	494469

GC Semi VOA

Prep Batch: 494324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166406-2	SOIL Sample #3	Total/NA	Solid	3541	
MB 500-494324/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-494324/3-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 494432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166406-2	SOIL Sample #3	Total/NA	Solid	8082A	494324
MB 500-494324/1-A	Method Blank	Total/NA	Solid	8082A	494324
LCS 500-494324/3-A	Lab Control Sample	Total/NA	Solid	8082A	494324

QC Association Summary

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

Job ID: 500-166406-1

Metals

Leach Batch: 494205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166406-1	SOIL Sample #1	ASTM Leach	Solid	D3987-85	
500-166406-2	SOIL Sample #3	ASTM Leach	Solid	D3987-85	
LB3 500-494205/1-B	Method Blank	ASTM Leach	Solid	D3987-85	
LB3 500-494205/1-D	Method Blank	ASTM Leach	Solid	D3987-85	

Prep Batch: 494263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166406-2	SOIL Sample #3	Total/NA	Solid	3050B	
MB 500-494263/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-494263/2-A	Lab Control Sample	Total/NA	Solid	3050B	
500-166406-2 MS	SOIL Sample #3	Total/NA	Solid	3050B	
500-166406-2 MSD	SOIL Sample #3	Total/NA	Solid	3050B	
500-166406-2 DU	SOIL Sample #3	Total/NA	Solid	3050B	

Prep Batch: 494388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166406-1	SOIL Sample #1	ASTM Leach	Solid	7470A	494205
500-166406-2	SOIL Sample #3	ASTM Leach	Solid	7470A	494205
LB3 500-494205/1-D	Method Blank	ASTM Leach	Solid	7470A	494205
MB 500-494388/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-494388/13-A	Lab Control Sample	Total/NA	Solid	7470A	

Prep Batch: 494397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166406-2	SOIL Sample #3	Total/NA	Solid	7471B	
MB 500-494397/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-494397/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 494431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166406-2	SOIL Sample #3	Total/NA	Solid	6010B	494263
MB 500-494263/1-A	Method Blank	Total/NA	Solid	6010B	494263
LCS 500-494263/2-A	Lab Control Sample	Total/NA	Solid	6010B	494263
500-166406-2 MS	SOIL Sample #3	Total/NA	Solid	6010B	494263
500-166406-2 MSD	SOIL Sample #3	Total/NA	Solid	6010B	494263
500-166406-2 DU	SOIL Sample #3	Total/NA	Solid	6010B	494263

Prep Batch: 494443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166406-1	SOIL Sample #1	ASTM Leach	Solid	3010A	494205
500-166406-2	SOIL Sample #3	ASTM Leach	Solid	3010A	494205
LB3 500-494205/1-B	Method Blank	ASTM Leach	Solid	3010A	494205
LCS 500-494443/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 494610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166406-2	SOIL Sample #3	Total/NA	Solid	7471B	494397
MB 500-494397/12-A	Method Blank	Total/NA	Solid	7471B	494397
LCS 500-494397/13-A	Lab Control Sample	Total/NA	Solid	7471B	494397

QC Association Summary

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

Job ID: 500-166406-1

Metals

Analysis Batch: 494623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166406-1	SOIL Sample #1	ASTM Leach	Solid	7470A	494388
500-166406-2	SOIL Sample #3	ASTM Leach	Solid	7470A	494388
LB3 500-494205/1-D	Method Blank	ASTM Leach	Solid	7470A	494388
MB 500-494388/12-A	Method Blank	Total/NA	Solid	7470A	494388
LCS 500-494388/13-A	Lab Control Sample	Total/NA	Solid	7470A	494388

Analysis Batch: 494678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166406-1	SOIL Sample #1	ASTM Leach	Solid	6020A	494443
500-166406-2	SOIL Sample #3	ASTM Leach	Solid	6020A	494443
LB3 500-494205/1-B	Method Blank	ASTM Leach	Solid	6020A	494443
LCS 500-494443/2-A	Lab Control Sample	Total/NA	Solid	6020A	494443

General Chemistry

Analysis Batch: 494124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166406-2	SOIL Sample #3	Total/NA	Solid	Moisture	

Surrogate Summary

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

Job ID: 500-166406-1

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (37-147)	TPHL (42-157)	FBP (43-145)
500-166406-2	SOIL Sample #3	72	87	83
LCS 500-494473/2-A	Lab Control Sample	88	86	80
MB 500-494473/1-A	Method Blank	80	85	79

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (36-120)	TPHL (40-145)	FBP (34-110)
LCS 500-494469/2-A	Lab Control Sample	75	93	77
MB 500-494469/1-A	Method Blank	74	97	77

Surrogate Legend

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

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

Matrix: Solid

Prep Type: ASTM Leach

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (36-120)	TPHL (40-145)	FBP (34-110)
500-166406-1	SOIL Sample #1	81	102	85
500-166406-2	SOIL Sample #3	79	101	82
LB3 500-494205/1-C	Method Blank	78	105	82

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	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (49-129)	DCBP1 (37-121)
500-166406-2	SOIL Sample #3	68	112
LCS 500-494324/3-A	Lab Control Sample	81	87
MB 500-494324/1-A	Method Blank	76	97

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

QC Sample Results

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

Job ID: 500-166406-1

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

Lab Sample ID: MB 500-494469/1-A
Matrix: Solid
Analysis Batch: 494577

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 494469

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.36		1.0	0.36	ug/L		07/11/19 17:12	07/12/19 12:35	1
Acenaphthylene	<0.32		1.0	0.32	ug/L		07/11/19 17:12	07/12/19 12:35	1
Anthracene	<0.32		1.0	0.32	ug/L		07/11/19 17:12	07/12/19 12:35	1
Benzo[a]anthracene	<0.044		0.20	0.044	ug/L		07/11/19 17:12	07/12/19 12:35	1
Benzo[a]pyrene	<0.056		0.20	0.056	ug/L		07/11/19 17:12	07/12/19 12:35	1
Benzo[b]fluoranthene	<0.058		0.20	0.058	ug/L		07/11/19 17:12	07/12/19 12:35	1
Benzo[g,h,i]perylene	<0.42		1.0	0.42	ug/L		07/11/19 17:12	07/12/19 12:35	1
Benzo[k]fluoranthene	<0.074		0.20	0.074	ug/L		07/11/19 17:12	07/12/19 12:35	1
Chrysene	<0.14		0.50	0.14	ug/L		07/11/19 17:12	07/12/19 12:35	1
Dibenz(a,h)anthracene	<0.064		0.30	0.064	ug/L		07/11/19 17:12	07/12/19 12:35	1
Fluoranthene	<0.32		1.0	0.32	ug/L		07/11/19 17:12	07/12/19 12:35	1
Fluorene	<0.38		1.0	0.38	ug/L		07/11/19 17:12	07/12/19 12:35	1
Indeno[1,2,3-cd]pyrene	<0.084		0.20	0.084	ug/L		07/11/19 17:12	07/12/19 12:35	1
Naphthalene	<0.30		1.0	0.30	ug/L		07/11/19 17:12	07/12/19 12:35	1
Phenanthrene	<0.35		1.0	0.35	ug/L		07/11/19 17:12	07/12/19 12:35	1
Pyrene	<0.48		1.0	0.48	ug/L		07/11/19 17:12	07/12/19 12:35	1
1-Methylnaphthalene	<0.50		2.0	0.50	ug/L		07/11/19 17:12	07/12/19 12:35	1
2-Methylnaphthalene	<0.13		2.0	0.13	ug/L		07/11/19 17:12	07/12/19 12:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	74		36 - 120	07/11/19 17:12	07/12/19 12:35	1
Terphenyl-d14 (Surr)	97		40 - 145	07/11/19 17:12	07/12/19 12:35	1
2-Fluorobiphenyl (Surr)	77		34 - 110	07/11/19 17:12	07/12/19 12:35	1

Lab Sample ID: LCS 500-494469/2-A
Matrix: Solid
Analysis Batch: 494577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 494469

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	40.0	29.3		ug/L		73	46 - 110
Acenaphthylene	40.0	29.7		ug/L		74	47 - 110
Anthracene	40.0	34.2		ug/L		85	67 - 110
Benzo[a]anthracene	40.0	35.5		ug/L		89	70 - 120
Benzo[a]pyrene	40.0	37.1		ug/L		93	70 - 120
Benzo[b]fluoranthene	40.0	35.0		ug/L		87	69 - 123
Benzo[g,h,i]perylene	40.0	37.9		ug/L		95	70 - 120
Benzo[k]fluoranthene	40.0	35.5		ug/L		89	70 - 120
Chrysene	40.0	34.2		ug/L		85	68 - 120
Dibenz(a,h)anthracene	40.0	37.9		ug/L		95	70 - 127
Fluoranthene	40.0	37.1		ug/L		93	68 - 120
Fluorene	40.0	31.4		ug/L		79	53 - 120
Indeno[1,2,3-cd]pyrene	40.0	39.1		ug/L		98	65 - 133
Naphthalene	40.0	24.5		ug/L		61	36 - 110
Phenanthrene	40.0	33.8		ug/L		84	65 - 120
Pyrene	40.0	34.8		ug/L		87	70 - 110
1-Methylnaphthalene	40.0	25.8		ug/L		65	38 - 110
2-Methylnaphthalene	40.0	25.3		ug/L		63	34 - 110

Eurolins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-166406-1

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

Lab Sample ID: LCS 500-494469/2-A
Matrix: Solid
Analysis Batch: 494577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 494469

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	75		36 - 120
Terphenyl-d14 (Surr)	93		40 - 145
2-Fluorobiphenyl (Surr)	77		34 - 110

Lab Sample ID: MB 500-494473/1-A
Matrix: Solid
Analysis Batch: 494554

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 494473

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<6.0		33	6.0	ug/Kg		07/11/19 17:43	07/12/19 13:42	1
Acenaphthylene	<4.4		33	4.4	ug/Kg		07/11/19 17:43	07/12/19 13:42	1
Anthracene	<5.6		33	5.6	ug/Kg		07/11/19 17:43	07/12/19 13:42	1
Benzo[a]anthracene	<4.5		33	4.5	ug/Kg		07/11/19 17:43	07/12/19 13:42	1
Benzo[a]pyrene	<6.4		33	6.4	ug/Kg		07/11/19 17:43	07/12/19 13:42	1
Benzo[b]fluoranthene	<7.2		33	7.2	ug/Kg		07/11/19 17:43	07/12/19 13:42	1
Benzo[g,h,i]perylene	<11		33	11	ug/Kg		07/11/19 17:43	07/12/19 13:42	1
Benzo[k]fluoranthene	<9.8		33	9.8	ug/Kg		07/11/19 17:43	07/12/19 13:42	1
Chrysene	<9.1		33	9.1	ug/Kg		07/11/19 17:43	07/12/19 13:42	1
Dibenz(a,h)anthracene	<6.4		33	6.4	ug/Kg		07/11/19 17:43	07/12/19 13:42	1
Fluoranthene	<6.2		33	6.2	ug/Kg		07/11/19 17:43	07/12/19 13:42	1
Fluorene	<4.7		33	4.7	ug/Kg		07/11/19 17:43	07/12/19 13:42	1
Indeno[1,2,3-cd]pyrene	<8.6		33	8.6	ug/Kg		07/11/19 17:43	07/12/19 13:42	1
Naphthalene	<5.1		33	5.1	ug/Kg		07/11/19 17:43	07/12/19 13:42	1
Phenanthrene	<4.6		33	4.6	ug/Kg		07/11/19 17:43	07/12/19 13:42	1
Pyrene	<6.6		33	6.6	ug/Kg		07/11/19 17:43	07/12/19 13:42	1
1-Methylnaphthalene	<8.1		67	8.1	ug/Kg		07/11/19 17:43	07/12/19 13:42	1
2-Methylnaphthalene	<6.1		67	6.1	ug/Kg		07/11/19 17:43	07/12/19 13:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	80		37 - 147	07/11/19 17:43	07/12/19 13:42	1
Terphenyl-d14 (Surr)	85		42 - 157	07/11/19 17:43	07/12/19 13:42	1
2-Fluorobiphenyl (Surr)	79		43 - 145	07/11/19 17:43	07/12/19 13:42	1

Lab Sample ID: LCS 500-494473/2-A
Matrix: Solid
Analysis Batch: 494554

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 494473

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	1330	1130		ug/Kg		85	65 - 124
Acenaphthylene	1330	1140		ug/Kg		86	68 - 120
Anthracene	1330	1140		ug/Kg		85	70 - 114
Benzo[a]anthracene	1330	1150		ug/Kg		86	67 - 122
Benzo[a]pyrene	1330	1230		ug/Kg		93	65 - 133
Benzo[b]fluoranthene	1330	1130		ug/Kg		85	69 - 129
Benzo[g,h,i]perylene	1330	1110		ug/Kg		83	72 - 131
Benzo[k]fluoranthene	1330	1180		ug/Kg		88	68 - 127
Chrysene	1330	1110		ug/Kg		83	63 - 120
Dibenz(a,h)anthracene	1330	1140		ug/Kg		85	64 - 131

Eurofins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-166406-1

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

Lab Sample ID: LCS 500-494473/2-A
Matrix: Solid
Analysis Batch: 494554

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 494473

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	1330	1160		ug/Kg		87	62 - 120
Fluorene	1330	1090		ug/Kg		82	62 - 120
Indeno[1,2,3-cd]pyrene	1330	1160		ug/Kg		87	68 - 130
Naphthalene	1330	1130		ug/Kg		85	63 - 110
Phenanthrene	1330	1080		ug/Kg		81	62 - 120
Pyrene	1330	1120		ug/Kg		84	61 - 128
1-Methylnaphthalene	1330	1090		ug/Kg		82	68 - 111
2-Methylnaphthalene	1330	1070		ug/Kg		80	69 - 112

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	88		37 - 147
Terphenyl-d14 (Surr)	86		42 - 157
2-Fluorobiphenyl (Surr)	80		43 - 145

Lab Sample ID: LB3 500-494205/1-C
Matrix: Solid
Analysis Batch: 494577

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 494469

Analyte	LB3 Result	LB3 Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<3.6		10	3.6	ug/L		07/11/19 17:12	07/12/19 12:11	1
Acenaphthylene	<3.2		10	3.2	ug/L		07/11/19 17:12	07/12/19 12:11	1
Anthracene	<3.2		10	3.2	ug/L		07/11/19 17:12	07/12/19 12:11	1
Benzo[a]anthracene	<0.44		2.0	0.44	ug/L		07/11/19 17:12	07/12/19 12:11	1
Benzo[a]pyrene	<0.56		2.0	0.56	ug/L		07/11/19 17:12	07/12/19 12:11	1
Benzo[b]fluoranthene	<0.58		2.0	0.58	ug/L		07/11/19 17:12	07/12/19 12:11	1
Benzo[g,h,i]perylene	<4.2		10	4.2	ug/L		07/11/19 17:12	07/12/19 12:11	1
Benzo[k]fluoranthene	<0.74		2.0	0.74	ug/L		07/11/19 17:12	07/12/19 12:11	1
Chrysene	<1.4		5.0	1.4	ug/L		07/11/19 17:12	07/12/19 12:11	1
Dibenz(a,h)anthracene	<0.64		3.0	0.64	ug/L		07/11/19 17:12	07/12/19 12:11	1
Fluoranthene	<3.2		10	3.2	ug/L		07/11/19 17:12	07/12/19 12:11	1
Fluorene	<3.8		10	3.8	ug/L		07/11/19 17:12	07/12/19 12:11	1
Indeno[1,2,3-cd]pyrene	<0.84		2.0	0.84	ug/L		07/11/19 17:12	07/12/19 12:11	1
Naphthalene	3.68	J	10	3.0	ug/L		07/11/19 17:12	07/12/19 12:11	1
Phenanthrene	<3.5		10	3.5	ug/L		07/11/19 17:12	07/12/19 12:11	1
Pyrene	<4.8		10	4.8	ug/L		07/11/19 17:12	07/12/19 12:11	1
1-Methylnaphthalene	<5.0		20	5.0	ug/L		07/11/19 17:12	07/12/19 12:11	1
2-Methylnaphthalene	1.54	J	20	1.3	ug/L		07/11/19 17:12	07/12/19 12:11	1

Surrogate	LB3 %Recovery	LB3 Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	78		36 - 120	07/11/19 17:12	07/12/19 12:11	1
Terphenyl-d14 (Surr)	105		40 - 145	07/11/19 17:12	07/12/19 12:11	1
2-Fluorobiphenyl (Surr)	82		34 - 110	07/11/19 17:12	07/12/19 12:11	1

QC Sample Results

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

Job ID: 500-166406-1

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

Lab Sample ID: MB 500-494324/1-A
Matrix: Solid
Analysis Batch: 494432

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 494324

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<5.9		17	5.9	ug/Kg		07/11/19 07:42	07/11/19 14:52	1
PCB-1221	<7.3		17	7.3	ug/Kg		07/11/19 07:42	07/11/19 14:52	1
PCB-1232	<7.3		17	7.3	ug/Kg		07/11/19 07:42	07/11/19 14:52	1
PCB-1242	<5.5		17	5.5	ug/Kg		07/11/19 07:42	07/11/19 14:52	1
PCB-1248	<6.6		17	6.6	ug/Kg		07/11/19 07:42	07/11/19 14:52	1
PCB-1254	<3.6		17	3.6	ug/Kg		07/11/19 07:42	07/11/19 14:52	1
PCB-1260	<8.2		17	8.2	ug/Kg		07/11/19 07:42	07/11/19 14:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	76		49 - 129	07/11/19 07:42	07/11/19 14:52	1
DCB Decachlorobiphenyl	97		37 - 121	07/11/19 07:42	07/11/19 14:52	1

Lab Sample ID: LCS 500-494324/3-A
Matrix: Solid
Analysis Batch: 494432

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 494324

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	167	133		ug/Kg		80	57 - 120
PCB-1260	167	134		ug/Kg		80	61 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	81		49 - 129
DCB Decachlorobiphenyl	87		37 - 121

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-494263/1-A
Matrix: Solid
Analysis Batch: 494431

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 494263

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.34		1.0	0.34	mg/Kg		07/10/19 16:02	07/11/19 11:02	1
Barium	<0.11		1.0	0.11	mg/Kg		07/10/19 16:02	07/11/19 11:02	1
Cadmium	0.0923	J	0.20	0.036	mg/Kg		07/10/19 16:02	07/11/19 11:02	1
Chromium	<0.50		1.0	0.50	mg/Kg		07/10/19 16:02	07/11/19 11:02	1
Lead	<0.23		0.50	0.23	mg/Kg		07/10/19 16:02	07/11/19 11:02	1
Selenium	<0.59		1.0	0.59	mg/Kg		07/10/19 16:02	07/11/19 11:02	1
Silver	<0.13		0.50	0.13	mg/Kg		07/10/19 16:02	07/11/19 11:02	1

Lab Sample ID: LCS 500-494263/2-A
Matrix: Solid
Analysis Batch: 494431

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 494263

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	10.0	9.27		mg/Kg		93	80 - 120
Barium	200	198		mg/Kg		99	80 - 120
Cadmium	5.00	4.63		mg/Kg		93	80 - 120
Chromium	20.0	19.4		mg/Kg		97	80 - 120

Eurofins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-166406-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 500-494263/2-A
Matrix: Solid
Analysis Batch: 494431

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 494263

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	10.0	9.51		mg/Kg		95	80 - 120
Selenium	10.0	8.71		mg/Kg		87	80 - 120
Silver	5.00	4.61		mg/Kg		92	80 - 120

Lab Sample ID: 500-166406-2 MS
Matrix: Solid
Analysis Batch: 494431

Client Sample ID: SOIL Sample #3
Prep Type: Total/NA
Prep Batch: 494263

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	4.1		11.9	16.2		mg/Kg	☼	102	75 - 125
Barium	240	F1	237	394	F1	mg/Kg	☼	67	75 - 125
Cadmium	1.1	B	5.93	6.25		mg/Kg	☼	87	75 - 125
Chromium	23		23.7	46.5		mg/Kg	☼	97	75 - 125
Lead	480		11.9	480	4	mg/Kg	☼	-19	75 - 125
Selenium	0.87	J	11.9	10.4		mg/Kg	☼	80	75 - 125
Silver	1.1		5.93	6.66		mg/Kg	☼	94	75 - 125

Lab Sample ID: 500-166406-2 MSD
Matrix: Solid
Analysis Batch: 494431

Client Sample ID: SOIL Sample #3
Prep Type: Total/NA
Prep Batch: 494263

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	4.1		10.8	15.3		mg/Kg	☼	104	75 - 125	6	20
Barium	240	F1	215	408		mg/Kg	☼	80	75 - 125	3	20
Cadmium	1.1	B	5.38	7.24		mg/Kg	☼	115	75 - 125	15	20
Chromium	23		21.5	46.9		mg/Kg	☼	109	75 - 125	1	20
Lead	480		10.8	557	4	mg/Kg	☼	694	75 - 125	15	20
Selenium	0.87	J	10.8	9.00		mg/Kg	☼	76	75 - 125	14	20
Silver	1.1		5.38	6.21		mg/Kg	☼	95	75 - 125	7	20

Lab Sample ID: 500-166406-2 DU
Matrix: Solid
Analysis Batch: 494431

Client Sample ID: SOIL Sample #3
Prep Type: Total/NA
Prep Batch: 494263

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Arsenic	4.1		5.15	F3	mg/Kg	☼	22	20
Barium	240	F1	175	F3	mg/Kg	☼	30	20
Cadmium	1.1	B	0.897		mg/Kg	☼	16	20
Chromium	23		27.1		mg/Kg	☼	14	20
Lead	480		768	F3	mg/Kg	☼	46	20
Selenium	0.87	J	0.797	J	mg/Kg	☼	8	20
Silver	1.1		1.02		mg/Kg	☼	6	20

QC Sample Results

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

Job ID: 500-166406-1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: LCS 500-494443/2-A
Matrix: Solid
Analysis Batch: 494678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 494443

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	100	96.8		ug/L		97	80 - 120
Barium	500	489	J	ug/L		98	80 - 120
Cadmium	50.0	50.6		ug/L		101	80 - 120
Chromium	200	209		ug/L		105	80 - 120
Lead	100	101		ug/L		101	80 - 120
Selenium	100	96.4		ug/L		96	80 - 120
Silver	50.0	51.5		ug/L		103	80 - 120

Lab Sample ID: LB3 500-494205/1-B
Matrix: Solid
Analysis Batch: 494678

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 494443

Analyte	LB3 Result	LB3 Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<2.0		50	2.0	ug/L		07/11/19 14:48	07/12/19 11:59	1
Barium	<50		500	50	ug/L		07/11/19 14:48	07/12/19 11:59	1
Cadmium	<1.0		5.0	1.0	ug/L		07/11/19 14:48	07/12/19 11:59	1
Chromium	<5.0		25	5.0	ug/L		07/11/19 14:48	07/12/19 11:59	1
Lead	<2.0		50	2.0	ug/L		07/11/19 14:48	07/12/19 11:59	1
Selenium	<10		50	10	ug/L		07/11/19 14:48	07/12/19 11:59	1
Silver	<5.0		25	5.0	ug/L		07/11/19 14:48	07/12/19 11:59	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-494388/12-A
Matrix: Solid
Analysis Batch: 494623

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 494388

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/11/19 10:25	07/12/19 08:34	1

Lab Sample ID: LCS 500-494388/13-A
Matrix: Solid
Analysis Batch: 494623

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 494388

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	2.00	1.99		ug/L		100	80 - 120

Lab Sample ID: LB3 500-494205/1-D
Matrix: Solid
Analysis Batch: 494623

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 494388

Analyte	LB3 Result	LB3 Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		07/11/19 10:25	07/12/19 11:30	1

QC Sample Results

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

Job ID: 500-166406-1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-494397/12-A
Matrix: Solid
Analysis Batch: 494610

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 494397

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<5.6		17	5.6	ug/Kg		07/11/19 14:45	07/12/19 08:34	1

Lab Sample ID: LCS 500-494397/13-A
Matrix: Solid
Analysis Batch: 494610

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 494397
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	167	171		ug/Kg		102	80 - 120



Lab Chronicle

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

Job ID: 500-166406-1

Client Sample ID: SOIL Sample #1

Lab Sample ID: 500-166406-1

Date Collected: 07/09/19 00:00

Matrix: Solid

Date Received: 07/10/19 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			494205	07/10/19 13:06	GCA	TAL CHI
ASTM Leach	Prep	3510C			494469	07/11/19 17:12	ACK	TAL CHI
ASTM Leach	Analysis	8270D		1	494577	07/12/19 12:59	STW	TAL CHI
ASTM Leach	Leach	D3987-85			494205	07/10/19 13:06	GCA	TAL CHI
ASTM Leach	Prep	3010A			494443	07/11/19 14:48	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	494678	07/12/19 12:07	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			494205	07/10/19 13:06	GCA	TAL CHI
ASTM Leach	Prep	7470A			494388	07/12/19 08:20	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	494623	07/12/19 11:32	MJG	TAL CHI

Client Sample ID: SOIL Sample #3

Lab Sample ID: 500-166406-2

Date Collected: 07/09/19 00:00

Matrix: Solid

Date Received: 07/10/19 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			494205	07/10/19 13:06	GCA	TAL CHI
ASTM Leach	Prep	3510C			494469	07/11/19 17:12	ACK	TAL CHI
ASTM Leach	Analysis	8270D		1	494577	07/12/19 13:23	STW	TAL CHI
ASTM Leach	Leach	D3987-85			494205	07/10/19 13:06	GCA	TAL CHI
ASTM Leach	Prep	3010A			494443	07/11/19 14:48	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	494678	07/12/19 12:14	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			494205	07/10/19 13:06	GCA	TAL CHI
ASTM Leach	Prep	7470A			494388	07/12/19 08:20	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	494623	07/12/19 11:33	MJG	TAL CHI
Total/NA	Analysis	Moisture		1	494124	07/10/19 09:52	LWN	TAL CHI

Client Sample ID: SOIL Sample #3

Lab Sample ID: 500-166406-2

Date Collected: 07/09/19 00:00

Matrix: Solid

Date Received: 07/10/19 09:10

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			494473	07/11/19 17:43	NRJ	TAL CHI
Total/NA	Analysis	8270D		1	494560	07/12/19 13:54	STW	TAL CHI
Total/NA	Prep	3541			494324	07/11/19 07:42	DX	TAL CHI
Total/NA	Analysis	8082A		10	494432	07/11/19 15:23	BJH	TAL CHI
Total/NA	Prep	3050B			494263	07/10/19 16:02	BDE	TAL CHI
Total/NA	Analysis	6010B		1	494431	07/11/19 11:34	JEF	TAL CHI
Total/NA	Prep	7471B			494397	07/11/19 14:45	MJG	TAL CHI
Total/NA	Analysis	7471B		1	494610	07/12/19 08:40	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
Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-166406-1

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.



Chain of Custody Record



Client Information		Sampler: RU		Lab PM: Knapp, Jim D		Car: 500-166406 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				Analysis Requested						Job #: 500-166406																																						
Address: 1515 Des Peres Rd. Suite 300		Due Date Requested:		<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>Perform MS/MSD (Yes or No)</td> <td>2540D - TSS</td> <td>625 - PAHs</td> <td>608_PCB - LL PCB's</td> <td>1664B - Oil & Grease</td> <td>200.7 - As,Pb,Zn</td> <td>6010B, 7471B, 8082A, 8270D</td> <td>6020A, 7470A, 8082A, 8270D</td> <td rowspan="4">Astom Leach: PAHs, RCRA</td> <td rowspan="4">Total Number of Containers</td> </tr> <tr> <td>TAT Requested (days):</td> <td>3 days</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>PO #:</td> <td>7741</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>WO #:</td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>						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	Astom Leach: PAHs, RCRA	Total Number of Containers	TAT Requested (days):	3 days								PO #:	7741								WO #:									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:
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	Astom Leach: PAHs, RCRA	Total Number of Containers																																
TAT Requested (days):	3 days																																															
PO #:	7741																																															
WO #:																																																
City: Saint Louis		TAT Requested (days):																																														
State, Zip: MO, 63131		Project #:																																														
Phone: 314-835-2814(Tel)		SSOW#:																																														
Email: ddunn@enviroanalyticsgroup.com		Project #:																																														
Project Name: Rock River Sediment Removal, Janesville		SSOW#:																																														
Site:																																																
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code					Special Instructions/Note:																																					
Soil Sample # 1		7/9/19		C	Soil	N	N	N	S	D	N	N																																				
Soil Sample # 3		7/9/19		C	Soil						✓	✓																																				
					Water																																											
					Water																																											
					Water																																											
					Solid																																											
					Solid																																											
					Solid																																											
					Solid																																											
					Solid																																											
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																																						
Deliverable Requested: I, II, III, IV, Other (specify)				Special Instructions/QC Requirements: 3.8																																												
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:																																										
Relinquished by: <i>Paula Henderson</i>		Date/Time:		Company:		Received by:		Date/Time: 0910		Company:																																						
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:																																						
Relinquished by:		Date/Time:		Company:		Received by: <i>[Signature]</i>		Date/Time: 7-10-19 0910		Company:																																						
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) and Other Remarks: 3.8																																												

ORIGIN ID:JVLA (636) 577-5056
RILEY UNDERWOOD
1000 INDUSTRIAL AVE
JANESVILLE, WI 53546
UNITED STATES US

SHIP DATE: 09JUL19
ACTWGT: 21.10 LB
CAD: 006994388/93FE2002
DIMS: 19x12x17 IN
BILL THIRD PARTY

Part # 166297-2002 11/2/18

TO **EUROFINS TEST AMERICA, CHICAGO**

2417 BOND ST



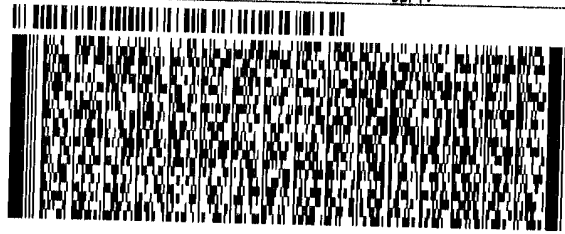
UNIVERSITY PARK IL 60484

500-166406 Waybill

(999) 999-9999
INVT
PDI

REF:

DEPT:



FedEx
Express



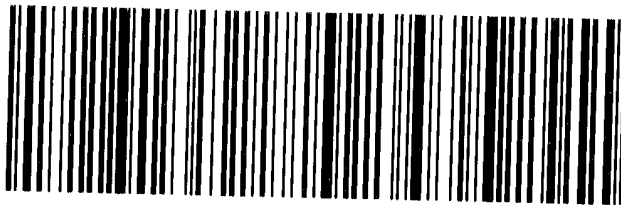
AN101010610181F

TRK# 7883 6882 0050
0201

WED - 10 JUL 10:30A
PRIORITY OVERNIGHT

79 JOTA

60484
IL-US ORD



Login Sample Receipt Checklist

Client: EnviroAnalytics Group LLC

Job Number: 500-166406-1

Login Number: 166406

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: James, Jeff A

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-166667-1

Client Project/Site: Rock River Sediment Removal, Janesville

For:

EnviroAnalytics Group LLC
1515 Des Peres Rd.
Suite 300
Saint Louis, Missouri 63131

Attn: Riley Underwood



Authorized for release by:
7/18/2019 5:28:33 PM

Jim Knapp, Project Manager II
(630)758-0262
jim.knapp@testamericainc.com

LINKS

Review your project
results through
TotalAccess

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Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Case Narrative

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

Job ID: 500-166667-1

Job ID: 500-166667-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-166667-1

Comments

No additional comments.

Receipt

The samples were received on 7/13/2019 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 10.8° C.

GC/MS Semi VOA

Method(s) 8270D: The following sample was diluted due to the nature of the sample matrix: South Geo-bag #2 (500-166667-5). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following sample required a dilution due to the nature of the sample matrix: South Geo-bag #2 (500-166667-5). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8270D: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following samples: NE Geo-bag #2 (500-166667-3), South Geo-bag #1 (500-166667-4) and South Geo-bag #2 (500-166667-5).

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

GC Semi VOA

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

Metals

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

General Chemistry

No analytical or quality issues were noted, other than those described 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
 Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-166667-1

Client Sample ID: Jotco sand cover

Lab Sample ID: 500-166667-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Aluminum	4000		23	9.5	mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.0		1.2	0.40	mg/Kg	1	☼	6010B	Total/NA
Barium	28		1.2	0.13	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.27	B	0.23	0.042	mg/Kg	1	☼	6010B	Total/NA
Chromium	9.2		1.2	0.58	mg/Kg	1	☼	6010B	Total/NA
Cobalt	2.9		0.58	0.15	mg/Kg	1	☼	6010B	Total/NA
Copper	6.0		1.2	0.33	mg/Kg	1	☼	6010B	Total/NA
Iron	6800		23	12	mg/Kg	1	☼	6010B	Total/NA
Lead	3.2		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Manganese	200	F1	1.2	0.17	mg/Kg	1	☼	6010B	Total/NA
Nickel	7.2		1.2	0.34	mg/Kg	1	☼	6010B	Total/NA
Strontium	16		0.58	0.023	mg/Kg	1	☼	6010B	Total/NA
Vanadium	14		0.58	0.14	mg/Kg	1	☼	6010B	Total/NA
Zinc	17		2.3	1.0	mg/Kg	1	☼	6010B	Total/NA
Chromium, trivalent	9.2		0.12	0.12	mg/Kg	1	☼	7196A	Total/NA

Client Sample ID: Jotco soil cover

Lab Sample ID: 500-166667-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Aluminum	5600		21	8.4	mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.1		1.0	0.35	mg/Kg	1	☼	6010B	Total/NA
Barium	32		1.0	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.14	J B	0.21	0.037	mg/Kg	1	☼	6010B	Total/NA
Chromium	7.2		1.0	0.51	mg/Kg	1	☼	6010B	Total/NA
Cobalt	2.1		0.51	0.13	mg/Kg	1	☼	6010B	Total/NA
Copper	4.6		1.0	0.29	mg/Kg	1	☼	6010B	Total/NA
Iron	6700		21	11	mg/Kg	1	☼	6010B	Total/NA
Lead	2.0		0.51	0.24	mg/Kg	1	☼	6010B	Total/NA
Manganese	140		1.0	0.15	mg/Kg	1	☼	6010B	Total/NA
Nickel	5.7		1.0	0.30	mg/Kg	1	☼	6010B	Total/NA
Strontium	4.2		0.51	0.021	mg/Kg	1	☼	6010B	Total/NA
Vanadium	14		0.51	0.12	mg/Kg	1	☼	6010B	Total/NA
Zinc	17		2.1	0.90	mg/Kg	1	☼	6010B	Total/NA
Chromium, trivalent	7.2		0.12	0.12	mg/Kg	1	☼	7196A	Total/NA

Client Sample ID: NE Geo-bag #2

Lab Sample ID: 500-166667-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.055	J	0.093	0.017	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.043	J	0.093	0.012	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.17		0.093	0.016	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.89		0.093	0.017	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.066	J	0.093	0.013	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.051	J	0.093	0.014	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.65		0.093	0.013	mg/Kg	1	☼	8270D	Total/NA
1-Methylnaphthalene	0.067	J	0.19	0.023	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.098	J	0.19	0.017	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene - DL	0.45		0.19	0.025	mg/Kg	2	☼	8270D	Total/NA
Benzo[a]pyrene - DL	0.46		0.19	0.036	mg/Kg	2	☼	8270D	Total/NA
Benzo[b]fluoranthene - DL	0.57		0.19	0.040	mg/Kg	2	☼	8270D	Total/NA
Benzo[g,h,i]perylene - DL	0.26		0.19	0.060	mg/Kg	2	☼	8270D	Total/NA
Benzo[k]fluoranthene - DL	0.22		0.19	0.055	mg/Kg	2	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

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

Job ID: 500-166667-1

Client Sample ID: NE Geo-bag #2 (Continued)

Lab Sample ID: 500-166667-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chrysene - DL	0.52		0.19	0.051	mg/Kg	2	☼	8270D	Total/NA
Dibenz(a,h)anthracene - DL	0.077	J	0.19	0.036	mg/Kg	2	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene - DL	0.22		0.19	0.049	mg/Kg	2	☼	8270D	Total/NA
Pyrene - DL	0.84		0.19	0.037	mg/Kg	2	☼	8270D	Total/NA
Arsenic	3.0		2.5	0.86	mg/Kg	1	☼	6010B	Total/NA
Barium	310		2.5	0.29	mg/Kg	1	☼	6010B	Total/NA
Cadmium	1.5	B	0.50	0.091	mg/Kg	1	☼	6010B	Total/NA
Chromium	40		2.5	1.2	mg/Kg	1	☼	6010B	Total/NA
Lead	160		1.3	0.58	mg/Kg	1	☼	6010B	Total/NA
Selenium	2.9	B	2.5	1.5	mg/Kg	1	☼	6010B	Total/NA
Silver	2.6		1.3	0.33	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.0023	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Lead	0.0025	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Mercury	1.2		0.042	0.014	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: South Geo-bag #1

Lab Sample ID: 500-166667-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.018	J	0.10	0.018	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.025	J	0.10	0.013	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.073	J	0.10	0.017	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.21		0.10	0.014	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.25		0.10	0.027	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.45		0.10	0.019	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.023	J	0.10	0.014	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.018	J	0.10	0.015	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.26		0.10	0.014	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.49		0.10	0.020	mg/Kg	1	☼	8270D	Total/NA
1-Methylnaphthalene	0.025	J	0.20	0.025	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene - DL	0.22		0.20	0.039	mg/Kg	2	☼	8270D	Total/NA
Benzo[b]fluoranthene - DL	0.28		0.20	0.043	mg/Kg	2	☼	8270D	Total/NA
Benzo[g,h,i]perylene - DL	0.15	J	0.20	0.065	mg/Kg	2	☼	8270D	Total/NA
Benzo[k]fluoranthene - DL	0.10	J	0.20	0.059	mg/Kg	2	☼	8270D	Total/NA
Dibenz(a,h)anthracene - DL	0.048	J	0.20	0.039	mg/Kg	2	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene - DL	0.12	J	0.20	0.052	mg/Kg	2	☼	8270D	Total/NA
Arsenic	2.3	J	2.7	0.94	mg/Kg	1	☼	6010B	Total/NA
Barium	150		2.7	0.31	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.77	B	0.55	0.099	mg/Kg	1	☼	6010B	Total/NA
Chromium	28		2.7	1.4	mg/Kg	1	☼	6010B	Total/NA
Lead	47		1.4	0.63	mg/Kg	1	☼	6010B	Total/NA
Selenium	3.0	B	2.7	1.6	mg/Kg	1	☼	6010B	Total/NA
Silver	2.7		1.4	0.35	mg/Kg	1	☼	6010B	Total/NA
Mercury	1.5		0.045	0.015	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: South Geo-bag #2

Lab Sample ID: 500-166667-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.29	J	0.83	0.15	mg/Kg	10	☼	8270D	Total/NA
Anthracene	0.62	J	0.83	0.14	mg/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	1.5		0.83	0.11	mg/Kg	10	☼	8270D	Total/NA
Chrysene	2.3		0.83	0.23	mg/Kg	10	☼	8270D	Total/NA
Fluoranthene	3.1		0.83	0.16	mg/Kg	10	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

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

Job ID: 500-166667-1

Client Sample ID: South Geo-bag #2 (Continued)

Lab Sample ID: 500-166667-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Fluorene	0.39	J	0.83	0.12	mg/Kg	10	☼	8270D	Total/NA
Naphthalene	0.42	J	0.83	0.13	mg/Kg	10	☼	8270D	Total/NA
Phenanthrene	3.1		0.83	0.12	mg/Kg	10	☼	8270D	Total/NA
Pyrene	3.7		0.83	0.17	mg/Kg	10	☼	8270D	Total/NA
1-Methylnaphthalene	0.67	J	1.7	0.20	mg/Kg	10	☼	8270D	Total/NA
2-Methylnaphthalene	0.85	J	1.7	0.15	mg/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene - DL	1.1	J	1.7	0.32	mg/Kg	20	☼	8270D	Total/NA
Benzo[b]fluoranthene - DL	1.7		1.7	0.36	mg/Kg	20	☼	8270D	Total/NA
Benzo[g,h,i]perylene - DL	0.81	J	1.7	0.54	mg/Kg	20	☼	8270D	Total/NA
Benzo[k]fluoranthene - DL	0.56	J	1.7	0.49	mg/Kg	20	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene - DL	0.73	J	1.7	0.43	mg/Kg	20	☼	8270D	Total/NA
Arsenic	5.5		2.5	0.85	mg/Kg	1	☼	6010B	Total/NA
Barium	350		2.5	0.28	mg/Kg	1	☼	6010B	Total/NA
Cadmium	1.5	B	0.50	0.090	mg/Kg	1	☼	6010B	Total/NA
Chromium	53		2.5	1.2	mg/Kg	1	☼	6010B	Total/NA
Lead	240		1.2	0.58	mg/Kg	1	☼	6010B	Total/NA
Selenium	2.4	J B	2.5	1.5	mg/Kg	1	☼	6010B	Total/NA
Silver	3.2		1.2	0.32	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.0035	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Mercury	2.1		0.042	0.014	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Method Summary

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

Job ID: 500-166667-1

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
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
7196A	Chromium, Trivalent (Colorimetric)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3010A	Preparation, Total Metals	SW846	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
7470A	Preparation, Mercury	SW846	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI
D3987-85	ASTM Leaching Procedure	ASTM	TAL CHI

Protocol References:

ASTM = ASTM International

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
Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-166667-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-166667-1	Jotco sand cover	Solid	07/11/19 00:00	07/13/19 09:20	
500-166667-2	Jotco soil cover	Solid	07/11/19 00:00	07/13/19 09:20	
500-166667-3	NE Geo-bag #2	Solid	07/11/19 00:00	07/13/19 09:20	
500-166667-4	South Geo-bag #1	Solid	07/11/19 00:00	07/13/19 09:20	
500-166667-5	South Geo-bag #2	Solid	07/11/19 00:00	07/13/19 09:20	

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Client Sample Results

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

Job ID: 500-166667-1

Client Sample ID: Jotco sand cover

Lab Sample ID: 500-166667-1

Date Collected: 07/11/19 00:00

Matrix: Solid

Date Received: 07/13/19 09:20

Percent Solids: 85.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4000		23	9.5	mg/Kg	☼	07/16/19 15:35	07/17/19 10:02	1
Arsenic	2.0		1.2	0.40	mg/Kg	☼	07/16/19 15:35	07/17/19 10:02	1
Barium	28		1.2	0.13	mg/Kg	☼	07/16/19 15:35	07/17/19 10:02	1
Cadmium	0.27	B	0.23	0.042	mg/Kg	☼	07/16/19 15:35	07/17/19 10:02	1
Chromium	9.2		1.2	0.58	mg/Kg	☼	07/16/19 15:35	07/17/19 10:02	1
Cobalt	2.9		0.58	0.15	mg/Kg	☼	07/16/19 15:35	07/17/19 10:02	1
Copper	6.0		1.2	0.33	mg/Kg	☼	07/16/19 15:35	07/17/19 10:02	1
Iron	6800		23	12	mg/Kg	☼	07/16/19 15:35	07/17/19 10:02	1
Lead	3.2		0.58	0.27	mg/Kg	☼	07/16/19 15:35	07/17/19 10:02	1
Manganese	200	F1	1.2	0.17	mg/Kg	☼	07/16/19 15:35	07/17/19 10:02	1
Nickel	7.2		1.2	0.34	mg/Kg	☼	07/16/19 15:35	07/17/19 10:02	1
Strontium	16		0.58	0.023	mg/Kg	☼	07/16/19 15:35	07/17/19 10:02	1
Vanadium	14		0.58	0.14	mg/Kg	☼	07/16/19 15:35	07/17/19 10:02	1
Zinc	17		2.3	1.0	mg/Kg	☼	07/16/19 15:35	07/17/19 10:02	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, trivalent	9.2		0.12	0.12	mg/Kg	☼		07/17/19 17:42	1

Client Sample Results

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

Job ID: 500-166667-1

Client Sample ID: Jotco soil cover

Lab Sample ID: 500-166667-2

Date Collected: 07/11/19 00:00

Matrix: Solid

Date Received: 07/13/19 09:20

Percent Solids: 84.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5600		21	8.4	mg/Kg	☼	07/16/19 15:35	07/17/19 11:53	1
Arsenic	2.1		1.0	0.35	mg/Kg	☼	07/16/19 15:35	07/17/19 11:53	1
Barium	32		1.0	0.12	mg/Kg	☼	07/16/19 15:35	07/17/19 11:53	1
Cadmium	0.14	J B	0.21	0.037	mg/Kg	☼	07/16/19 15:35	07/17/19 11:53	1
Chromium	7.2		1.0	0.51	mg/Kg	☼	07/16/19 15:35	07/17/19 11:53	1
Cobalt	2.1		0.51	0.13	mg/Kg	☼	07/16/19 15:35	07/17/19 11:53	1
Copper	4.6		1.0	0.29	mg/Kg	☼	07/16/19 15:35	07/17/19 11:53	1
Iron	6700		21	11	mg/Kg	☼	07/16/19 15:35	07/17/19 11:53	1
Lead	2.0		0.51	0.24	mg/Kg	☼	07/16/19 15:35	07/17/19 11:53	1
Manganese	140		1.0	0.15	mg/Kg	☼	07/16/19 15:35	07/17/19 11:53	1
Nickel	5.7		1.0	0.30	mg/Kg	☼	07/16/19 15:35	07/17/19 11:53	1
Strontium	4.2		0.51	0.021	mg/Kg	☼	07/16/19 15:35	07/17/19 11:53	1
Vanadium	14		0.51	0.12	mg/Kg	☼	07/16/19 15:35	07/17/19 11:53	1
Zinc	17		2.1	0.90	mg/Kg	☼	07/16/19 15:35	07/17/19 11:53	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, trivalent	7.2		0.12	0.12	mg/Kg	☼		07/17/19 17:42	1

Client Sample Results

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

Job ID: 500-166667-1

Client Sample ID: NE Geo-bag #2

Lab Sample ID: 500-166667-3

Date Collected: 07/11/19 00:00

Matrix: Solid

Date Received: 07/13/19 09:20

Percent Solids: 35.1

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.055	J	0.093	0.017	mg/Kg	☼	07/16/19 17:12	07/17/19 19:49	1
Acenaphthylene	0.043	J	0.093	0.012	mg/Kg	☼	07/16/19 17:12	07/17/19 19:49	1
Anthracene	0.17		0.093	0.016	mg/Kg	☼	07/16/19 17:12	07/17/19 19:49	1
Fluoranthene	0.89		0.093	0.017	mg/Kg	☼	07/16/19 17:12	07/17/19 19:49	1
Fluorene	0.066	J	0.093	0.013	mg/Kg	☼	07/16/19 17:12	07/17/19 19:49	1
Naphthalene	0.051	J	0.093	0.014	mg/Kg	☼	07/16/19 17:12	07/17/19 19:49	1
Phenanthrene	0.65		0.093	0.013	mg/Kg	☼	07/16/19 17:12	07/17/19 19:49	1
1-Methylnaphthalene	0.067	J	0.19	0.023	mg/Kg	☼	07/16/19 17:12	07/17/19 19:49	1
2-Methylnaphthalene	0.098	J	0.19	0.017	mg/Kg	☼	07/16/19 17:12	07/17/19 19:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	70		37 - 147	07/16/19 17:12	07/17/19 19:49	1
Terphenyl-d14 (Surr)	108		42 - 157	07/16/19 17:12	07/17/19 19:49	1
2-Fluorobiphenyl (Surr)	75		43 - 145	07/16/19 17:12	07/17/19 19:49	1

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.45		0.19	0.025	mg/Kg	☼	07/16/19 17:12	07/18/19 14:17	2
Benzo[a]pyrene	0.46		0.19	0.036	mg/Kg	☼	07/16/19 17:12	07/18/19 14:17	2
Benzo[b]fluoranthene	0.57		0.19	0.040	mg/Kg	☼	07/16/19 17:12	07/18/19 14:17	2
Benzo[g,h,i]perylene	0.26		0.19	0.060	mg/Kg	☼	07/16/19 17:12	07/18/19 14:17	2
Benzo[k]fluoranthene	0.22		0.19	0.055	mg/Kg	☼	07/16/19 17:12	07/18/19 14:17	2
Chrysene	0.52		0.19	0.051	mg/Kg	☼	07/16/19 17:12	07/18/19 14:17	2
Dibenz(a,h)anthracene	0.077	J	0.19	0.036	mg/Kg	☼	07/16/19 17:12	07/18/19 14:17	2
Indeno[1,2,3-cd]pyrene	0.22		0.19	0.049	mg/Kg	☼	07/16/19 17:12	07/18/19 14:17	2
Pyrene	0.84		0.19	0.037	mg/Kg	☼	07/16/19 17:12	07/18/19 14:17	2

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		07/17/19 14:20	07/18/19 12:38	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		07/17/19 14:20	07/18/19 12:38	1
Anthracene	<0.0032		0.010	0.0032	mg/L		07/17/19 14:20	07/18/19 12:38	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		07/17/19 14:20	07/18/19 12:38	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		07/17/19 14:20	07/18/19 12:38	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		07/17/19 14:20	07/18/19 12:38	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		07/17/19 14:20	07/18/19 12:38	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		07/17/19 14:20	07/18/19 12:38	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		07/17/19 14:20	07/18/19 12:38	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		07/17/19 14:20	07/18/19 12:38	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		07/17/19 14:20	07/18/19 12:38	1
Fluorene	<0.0038		0.010	0.0038	mg/L		07/17/19 14:20	07/18/19 12:38	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		07/17/19 14:20	07/18/19 12:38	1
Naphthalene	<0.0030		0.010	0.0030	mg/L		07/17/19 14:20	07/18/19 12:38	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		07/17/19 14:20	07/18/19 12:38	1
Pyrene	<0.0048		0.010	0.0048	mg/L		07/17/19 14:20	07/18/19 12:38	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		07/17/19 14:20	07/18/19 12:38	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		07/17/19 14:20	07/18/19 12:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	90		36 - 120	07/17/19 14:20	07/18/19 12:38	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-166667-1

Client Sample ID: NE Geo-bag #2

Lab Sample ID: 500-166667-3

Date Collected: 07/11/19 00:00

Matrix: Solid

Date Received: 07/13/19 09:20

Percent Solids: 35.1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	105		40 - 145	07/17/19 14:20	07/18/19 12:38	1
2-Fluorobiphenyl (Surr)	84		34 - 110	07/17/19 14:20	07/18/19 12:38	1

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.016		0.046	0.016	mg/Kg	☼	07/16/19 07:42	07/16/19 16:40	1
PCB-1221	<0.020		0.046	0.020	mg/Kg	☼	07/16/19 07:42	07/16/19 16:40	1
PCB-1232	<0.020		0.046	0.020	mg/Kg	☼	07/16/19 07:42	07/16/19 16:40	1
PCB-1242	<0.015		0.046	0.015	mg/Kg	☼	07/16/19 07:42	07/16/19 16:40	1
PCB-1248	<0.018		0.046	0.018	mg/Kg	☼	07/16/19 07:42	07/16/19 16:40	1
PCB-1254	<0.010		0.046	0.010	mg/Kg	☼	07/16/19 07:42	07/16/19 16:40	1
PCB-1260	<0.023		0.046	0.023	mg/Kg	☼	07/16/19 07:42	07/16/19 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	81		49 - 129	07/16/19 07:42	07/16/19 16:40	1
DCB Decachlorobiphenyl	90		37 - 121	07/16/19 07:42	07/16/19 16:40	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.0		2.5	0.86	mg/Kg	☼	07/16/19 15:35	07/17/19 11:57	1
Barium	310		2.5	0.29	mg/Kg	☼	07/16/19 15:35	07/17/19 11:57	1
Cadmium	1.5	B	0.50	0.091	mg/Kg	☼	07/16/19 15:35	07/17/19 11:57	1
Chromium	40		2.5	1.2	mg/Kg	☼	07/16/19 15:35	07/17/19 11:57	1
Lead	160		1.3	0.58	mg/Kg	☼	07/16/19 15:35	07/17/19 11:57	1
Selenium	2.9	B	2.5	1.5	mg/Kg	☼	07/16/19 15:35	07/17/19 11:57	1
Silver	2.6		1.3	0.33	mg/Kg	☼	07/16/19 15:35	07/17/19 11:57	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0023	J	0.050	0.0020	mg/L		07/17/19 14:31	07/18/19 12:25	1
Barium	<0.050		0.50	0.050	mg/L		07/17/19 14:31	07/18/19 12:25	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/17/19 14:31	07/18/19 12:25	1
Chromium	<0.0050		0.025	0.0050	mg/L		07/17/19 14:31	07/18/19 12:25	1
Lead	0.0025	J	0.050	0.0020	mg/L		07/17/19 14:31	07/18/19 12:25	1
Selenium	<0.010		0.050	0.010	mg/L		07/17/19 14:31	07/18/19 12:25	1
Silver	<0.0050		0.025	0.0050	mg/L		07/17/19 14:31	07/18/19 12:25	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/17/19 15:10	07/18/19 08:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.2		0.042	0.014	mg/Kg	☼	07/16/19 14:20	07/17/19 10:04	1

Client Sample Results

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

Job ID: 500-166667-1

Client Sample ID: South Geo-bag #1

Lab Sample ID: 500-166667-4

Date Collected: 07/11/19 00:00

Matrix: Solid

Date Received: 07/13/19 09:20

Percent Solids: 32.2

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.018	J	0.10	0.018	mg/Kg	☼	07/16/19 17:12	07/17/19 20:17	1
Acenaphthylene	0.025	J	0.10	0.013	mg/Kg	☼	07/16/19 17:12	07/17/19 20:17	1
Anthracene	0.073	J	0.10	0.017	mg/Kg	☼	07/16/19 17:12	07/17/19 20:17	1
Benzo[a]anthracene	0.21		0.10	0.014	mg/Kg	☼	07/16/19 17:12	07/17/19 20:17	1
Chrysene	0.25		0.10	0.027	mg/Kg	☼	07/16/19 17:12	07/17/19 20:17	1
Fluoranthene	0.45		0.10	0.019	mg/Kg	☼	07/16/19 17:12	07/17/19 20:17	1
Fluorene	0.023	J	0.10	0.014	mg/Kg	☼	07/16/19 17:12	07/17/19 20:17	1
Naphthalene	0.018	J	0.10	0.015	mg/Kg	☼	07/16/19 17:12	07/17/19 20:17	1
Phenanthrene	0.26		0.10	0.014	mg/Kg	☼	07/16/19 17:12	07/17/19 20:17	1
Pyrene	0.49		0.10	0.020	mg/Kg	☼	07/16/19 17:12	07/17/19 20:17	1
1-Methylnaphthalene	0.025	J	0.20	0.025	mg/Kg	☼	07/16/19 17:12	07/17/19 20:17	1
2-Methylnaphthalene	<0.018		0.20	0.018	mg/Kg	☼	07/16/19 17:12	07/17/19 20:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	59		37 - 147				07/16/19 17:12	07/17/19 20:17	1
Terphenyl-d14 (Surr)	98		42 - 157				07/16/19 17:12	07/17/19 20:17	1
2-Fluorobiphenyl (Surr)	68		43 - 145				07/16/19 17:12	07/17/19 20:17	1

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	0.22		0.20	0.039	mg/Kg	☼	07/16/19 17:12	07/18/19 14:47	2
Benzo[b]fluoranthene	0.28		0.20	0.043	mg/Kg	☼	07/16/19 17:12	07/18/19 14:47	2
Benzo[g,h,i]perylene	0.15	J	0.20	0.065	mg/Kg	☼	07/16/19 17:12	07/18/19 14:47	2
Benzo[k]fluoranthene	0.10	J	0.20	0.059	mg/Kg	☼	07/16/19 17:12	07/18/19 14:47	2
Dibenz(a,h)anthracene	0.048	J	0.20	0.039	mg/Kg	☼	07/16/19 17:12	07/18/19 14:47	2
Indeno[1,2,3-cd]pyrene	0.12	J	0.20	0.052	mg/Kg	☼	07/16/19 17:12	07/18/19 14:47	2

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		07/17/19 14:20	07/18/19 13:05	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		07/17/19 14:20	07/18/19 13:05	1
Anthracene	<0.0032		0.010	0.0032	mg/L		07/17/19 14:20	07/18/19 13:05	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		07/17/19 14:20	07/18/19 13:05	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		07/17/19 14:20	07/18/19 13:05	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		07/17/19 14:20	07/18/19 13:05	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		07/17/19 14:20	07/18/19 13:05	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		07/17/19 14:20	07/18/19 13:05	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		07/17/19 14:20	07/18/19 13:05	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		07/17/19 14:20	07/18/19 13:05	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		07/17/19 14:20	07/18/19 13:05	1
Fluorene	<0.0038		0.010	0.0038	mg/L		07/17/19 14:20	07/18/19 13:05	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		07/17/19 14:20	07/18/19 13:05	1
Naphthalene	<0.0030		0.010	0.0030	mg/L		07/17/19 14:20	07/18/19 13:05	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		07/17/19 14:20	07/18/19 13:05	1
Pyrene	<0.0048		0.010	0.0048	mg/L		07/17/19 14:20	07/18/19 13:05	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		07/17/19 14:20	07/18/19 13:05	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		07/17/19 14:20	07/18/19 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	99		36 - 120				07/17/19 14:20	07/18/19 13:05	1

Eurolins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-166667-1

Client Sample ID: South Geo-bag #1

Lab Sample ID: 500-166667-4

Date Collected: 07/11/19 00:00

Matrix: Solid

Date Received: 07/13/19 09:20

Percent Solids: 32.2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	108		40 - 145	07/17/19 14:20	07/18/19 13:05	1
2-Fluorobiphenyl (Surr)	94		34 - 110	07/17/19 14:20	07/18/19 13:05	1

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.018		0.051	0.018	mg/Kg	☼	07/16/19 07:42	07/16/19 16:56	1
PCB-1221	<0.022		0.051	0.022	mg/Kg	☼	07/16/19 07:42	07/16/19 16:56	1
PCB-1232	<0.022		0.051	0.022	mg/Kg	☼	07/16/19 07:42	07/16/19 16:56	1
PCB-1242	<0.017		0.051	0.017	mg/Kg	☼	07/16/19 07:42	07/16/19 16:56	1
PCB-1248	<0.020		0.051	0.020	mg/Kg	☼	07/16/19 07:42	07/16/19 16:56	1
PCB-1254	<0.011		0.051	0.011	mg/Kg	☼	07/16/19 07:42	07/16/19 16:56	1
PCB-1260	<0.025		0.051	0.025	mg/Kg	☼	07/16/19 07:42	07/16/19 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	80		49 - 129	07/16/19 07:42	07/16/19 16:56	1
DCB Decachlorobiphenyl	81		37 - 121	07/16/19 07:42	07/16/19 16:56	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.3	J	2.7	0.94	mg/Kg	☼	07/16/19 15:35	07/17/19 12:01	1
Barium	150		2.7	0.31	mg/Kg	☼	07/16/19 15:35	07/17/19 12:01	1
Cadmium	0.77	B	0.55	0.099	mg/Kg	☼	07/16/19 15:35	07/17/19 12:01	1
Chromium	28		2.7	1.4	mg/Kg	☼	07/16/19 15:35	07/17/19 12:01	1
Lead	47		1.4	0.63	mg/Kg	☼	07/16/19 15:35	07/17/19 12:01	1
Selenium	3.0	B	2.7	1.6	mg/Kg	☼	07/16/19 15:35	07/17/19 12:01	1
Silver	2.7		1.4	0.35	mg/Kg	☼	07/16/19 15:35	07/17/19 12:01	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0020		0.050	0.0020	mg/L		07/17/19 14:31	07/18/19 12:29	1
Barium	<0.050		0.50	0.050	mg/L		07/17/19 14:31	07/18/19 12:29	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/17/19 14:31	07/18/19 12:29	1
Chromium	<0.0050		0.025	0.0050	mg/L		07/17/19 14:31	07/18/19 12:29	1
Lead	<0.0020		0.050	0.0020	mg/L		07/17/19 14:31	07/18/19 12:29	1
Selenium	<0.010		0.050	0.010	mg/L		07/17/19 14:31	07/18/19 12:29	1
Silver	<0.0050		0.025	0.0050	mg/L		07/17/19 14:31	07/18/19 12:29	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/17/19 15:10	07/18/19 09:00	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.5		0.045	0.015	mg/Kg	☼	07/16/19 14:20	07/17/19 10:08	1

Client Sample Results

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

Job ID: 500-166667-1

Client Sample ID: South Geo-bag #2

Lab Sample ID: 500-166667-5

Date Collected: 07/11/19 00:00

Matrix: Solid

Date Received: 07/13/19 09:20

Percent Solids: 39.3

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.29	J	0.83	0.15	mg/Kg	☼	07/16/19 17:12	07/17/19 20:44	10
Acenaphthylene	<0.11		0.83	0.11	mg/Kg	☼	07/16/19 17:12	07/17/19 20:44	10
Anthracene	0.62	J	0.83	0.14	mg/Kg	☼	07/16/19 17:12	07/17/19 20:44	10
Benzo[a]anthracene	1.5		0.83	0.11	mg/Kg	☼	07/16/19 17:12	07/17/19 20:44	10
Chrysene	2.3		0.83	0.23	mg/Kg	☼	07/16/19 17:12	07/17/19 20:44	10
Dibenz(a,h)anthracene	<0.16		0.83	0.16	mg/Kg	☼	07/16/19 17:12	07/17/19 20:44	10
Fluoranthene	3.1		0.83	0.16	mg/Kg	☼	07/16/19 17:12	07/17/19 20:44	10
Fluorene	0.39	J	0.83	0.12	mg/Kg	☼	07/16/19 17:12	07/17/19 20:44	10
Naphthalene	0.42	J	0.83	0.13	mg/Kg	☼	07/16/19 17:12	07/17/19 20:44	10
Phenanthrene	3.1		0.83	0.12	mg/Kg	☼	07/16/19 17:12	07/17/19 20:44	10
Pyrene	3.7		0.83	0.17	mg/Kg	☼	07/16/19 17:12	07/17/19 20:44	10
1-Methylnaphthalene	0.67	J	1.7	0.20	mg/Kg	☼	07/16/19 17:12	07/17/19 20:44	10
2-Methylnaphthalene	0.85	J	1.7	0.15	mg/Kg	☼	07/16/19 17:12	07/17/19 20:44	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	97		37 - 147				07/16/19 17:12	07/17/19 20:44	10
Terphenyl-d14 (Surr)	151		42 - 157				07/16/19 17:12	07/17/19 20:44	10
2-Fluorobiphenyl (Surr)	110		43 - 145				07/16/19 17:12	07/17/19 20:44	10

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	1.1	J	1.7	0.32	mg/Kg	☼	07/16/19 17:12	07/18/19 12:19	20
Benzo[b]fluoranthene	1.7		1.7	0.36	mg/Kg	☼	07/16/19 17:12	07/18/19 12:19	20
Benzo[g,h,i]perylene	0.81	J	1.7	0.54	mg/Kg	☼	07/16/19 17:12	07/18/19 12:19	20
Benzo[k]fluoranthene	0.56	J	1.7	0.49	mg/Kg	☼	07/16/19 17:12	07/18/19 12:19	20
Indeno[1,2,3-cd]pyrene	0.73	J	1.7	0.43	mg/Kg	☼	07/16/19 17:12	07/18/19 12:19	20

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		07/17/19 14:20	07/18/19 13:33	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		07/17/19 14:20	07/18/19 13:33	1
Anthracene	<0.0032		0.010	0.0032	mg/L		07/17/19 14:20	07/18/19 13:33	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		07/17/19 14:20	07/18/19 13:33	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		07/17/19 14:20	07/18/19 13:33	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		07/17/19 14:20	07/18/19 13:33	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		07/17/19 14:20	07/18/19 13:33	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		07/17/19 14:20	07/18/19 13:33	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		07/17/19 14:20	07/18/19 13:33	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		07/17/19 14:20	07/18/19 13:33	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		07/17/19 14:20	07/18/19 13:33	1
Fluorene	<0.0038		0.010	0.0038	mg/L		07/17/19 14:20	07/18/19 13:33	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		07/17/19 14:20	07/18/19 13:33	1
Naphthalene	<0.0030		0.010	0.0030	mg/L		07/17/19 14:20	07/18/19 13:33	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		07/17/19 14:20	07/18/19 13:33	1
Pyrene	<0.0048		0.010	0.0048	mg/L		07/17/19 14:20	07/18/19 13:33	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		07/17/19 14:20	07/18/19 13:33	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		07/17/19 14:20	07/18/19 13:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	110		36 - 120				07/17/19 14:20	07/18/19 13:33	1

Eurolins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-166667-1

Client Sample ID: South Geo-bag #2

Lab Sample ID: 500-166667-5

Date Collected: 07/11/19 00:00

Matrix: Solid

Date Received: 07/13/19 09:20

Percent Solids: 39.3

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	120		40 - 145	07/17/19 14:20	07/18/19 13:33	1
2-Fluorobiphenyl (Surr)	101		34 - 110	07/17/19 14:20	07/18/19 13:33	1

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.015		0.041	0.015	mg/Kg	☼	07/16/19 07:42	07/16/19 17:11	1
PCB-1221	<0.018		0.041	0.018	mg/Kg	☼	07/16/19 07:42	07/16/19 17:11	1
PCB-1232	<0.018		0.041	0.018	mg/Kg	☼	07/16/19 07:42	07/16/19 17:11	1
PCB-1242	<0.013		0.041	0.013	mg/Kg	☼	07/16/19 07:42	07/16/19 17:11	1
PCB-1248	<0.016		0.041	0.016	mg/Kg	☼	07/16/19 07:42	07/16/19 17:11	1
PCB-1254	<0.0089		0.041	0.0089	mg/Kg	☼	07/16/19 07:42	07/16/19 17:11	1
PCB-1260	<0.020		0.041	0.020	mg/Kg	☼	07/16/19 07:42	07/16/19 17:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	74		49 - 129	07/16/19 07:42	07/16/19 17:11	1
DCB Decachlorobiphenyl	90		37 - 121	07/16/19 07:42	07/16/19 17:11	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.5		2.5	0.85	mg/Kg	☼	07/16/19 15:35	07/17/19 10:41	1
Barium	350		2.5	0.28	mg/Kg	☼	07/16/19 15:35	07/17/19 10:41	1
Cadmium	1.5	B	0.50	0.090	mg/Kg	☼	07/16/19 15:35	07/17/19 10:41	1
Chromium	53		2.5	1.2	mg/Kg	☼	07/16/19 15:35	07/17/19 10:41	1
Lead	240		1.2	0.58	mg/Kg	☼	07/16/19 15:35	07/17/19 10:41	1
Selenium	2.4	J B	2.5	1.5	mg/Kg	☼	07/16/19 15:35	07/17/19 10:41	1
Silver	3.2		1.2	0.32	mg/Kg	☼	07/16/19 15:35	07/17/19 10:41	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0035	J	0.050	0.0020	mg/L		07/17/19 14:31	07/18/19 12:34	1
Barium	<0.050		0.50	0.050	mg/L		07/17/19 14:31	07/18/19 12:34	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/17/19 14:31	07/18/19 12:34	1
Chromium	<0.0050		0.025	0.0050	mg/L		07/17/19 14:31	07/18/19 12:34	1
Lead	<0.0020		0.050	0.0020	mg/L		07/17/19 14:31	07/18/19 12:34	1
Selenium	<0.010		0.050	0.010	mg/L		07/17/19 14:31	07/18/19 12:34	1
Silver	<0.0050		0.025	0.0050	mg/L		07/17/19 14:31	07/18/19 12:34	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/17/19 15:10	07/18/19 09:09	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.1		0.042	0.014	mg/Kg	☼	07/16/19 14:20	07/17/19 10:12	1

Definitions/Glossary

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

Job ID: 500-166667-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
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.
α	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
 Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-166667-1

GC/MS Semi VOA

Leach Batch: 495078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-3	NE Geo-bag #2	ASTM Leach	Solid	D3987-85	
500-166667-4	South Geo-bag #1	ASTM Leach	Solid	D3987-85	
500-166667-5	South Geo-bag #2	ASTM Leach	Solid	D3987-85	
LB3 500-495078/1-C	Method Blank	ASTM Leach	Solid	D3987-85	

Prep Batch: 495135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-3 - DL	NE Geo-bag #2	Total/NA	Solid	3541	
500-166667-3	NE Geo-bag #2	Total/NA	Solid	3541	
500-166667-4 - DL	South Geo-bag #1	Total/NA	Solid	3541	
500-166667-4	South Geo-bag #1	Total/NA	Solid	3541	
500-166667-5 - DL	South Geo-bag #2	Total/NA	Solid	3541	
500-166667-5	South Geo-bag #2	Total/NA	Solid	3541	
MB 500-495135/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-495135/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 495220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-3	NE Geo-bag #2	Total/NA	Solid	8270D	495135
500-166667-4	South Geo-bag #1	Total/NA	Solid	8270D	495135
500-166667-5	South Geo-bag #2	Total/NA	Solid	8270D	495135

Analysis Batch: 495235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-495135/1-A	Method Blank	Total/NA	Solid	8270D	495135
LCS 500-495135/2-A	Lab Control Sample	Total/NA	Solid	8270D	495135

Prep Batch: 495313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-3	NE Geo-bag #2	ASTM Leach	Solid	3510C	495078
500-166667-4	South Geo-bag #1	ASTM Leach	Solid	3510C	495078
500-166667-5	South Geo-bag #2	ASTM Leach	Solid	3510C	495078
LB3 500-495078/1-C	Method Blank	ASTM Leach	Solid	3510C	495078
MB 500-495313/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 500-495313/2-A	Lab Control Sample	Total/NA	Solid	3510C	

Analysis Batch: 495440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-3	NE Geo-bag #2	ASTM Leach	Solid	8270D	495313
500-166667-4	South Geo-bag #1	ASTM Leach	Solid	8270D	495313
500-166667-5	South Geo-bag #2	ASTM Leach	Solid	8270D	495313
LB3 500-495078/1-C	Method Blank	ASTM Leach	Solid	8270D	495313
MB 500-495313/1-A	Method Blank	Total/NA	Solid	8270D	495313
LCS 500-495313/2-A	Lab Control Sample	Total/NA	Solid	8270D	495313

Analysis Batch: 495452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-3 - DL	NE Geo-bag #2	Total/NA	Solid	8270D	495135
500-166667-4 - DL	South Geo-bag #1	Total/NA	Solid	8270D	495135
500-166667-5 - DL	South Geo-bag #2	Total/NA	Solid	8270D	495135

QC Association Summary

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

Job ID: 500-166667-1

GC Semi VOA

Prep Batch: 495001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-3	NE Geo-bag #2	Total/NA	Solid	3541	
500-166667-4	South Geo-bag #1	Total/NA	Solid	3541	
500-166667-5	South Geo-bag #2	Total/NA	Solid	3541	
MB 500-495001/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-495001/3-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 495021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-3	NE Geo-bag #2	Total/NA	Solid	8082A	495001
500-166667-4	South Geo-bag #1	Total/NA	Solid	8082A	495001
500-166667-5	South Geo-bag #2	Total/NA	Solid	8082A	495001
MB 500-495001/1-A	Method Blank	Total/NA	Solid	8082A	495001
LCS 500-495001/3-A	Lab Control Sample	Total/NA	Solid	8082A	495001

Metals

Prep Batch: 495063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-3	NE Geo-bag #2	Total/NA	Solid	7471B	
500-166667-4	South Geo-bag #1	Total/NA	Solid	7471B	
500-166667-5	South Geo-bag #2	Total/NA	Solid	7471B	
MB 500-495063/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-495063/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Leach Batch: 495078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-3	NE Geo-bag #2	ASTM Leach	Solid	D3987-85	
500-166667-4	South Geo-bag #1	ASTM Leach	Solid	D3987-85	
500-166667-5	South Geo-bag #2	ASTM Leach	Solid	D3987-85	
LB3 500-495078/1-B	Method Blank	ASTM Leach	Solid	D3987-85	
LB3 500-495078/1-D	Method Blank	ASTM Leach	Solid	D3987-85	

Prep Batch: 495119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-1	Jotco sand cover	Total/NA	Solid	3050B	
500-166667-2	Jotco soil cover	Total/NA	Solid	3050B	
500-166667-3	NE Geo-bag #2	Total/NA	Solid	3050B	
500-166667-4	South Geo-bag #1	Total/NA	Solid	3050B	
500-166667-5	South Geo-bag #2	Total/NA	Solid	3050B	
MB 500-495119/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-495119/2-A	Lab Control Sample	Total/NA	Solid	3050B	
500-166667-1 MS	Jotco sand cover	Total/NA	Solid	3050B	
500-166667-1 MSD	Jotco sand cover	Total/NA	Solid	3050B	
500-166667-1 DU	Jotco sand cover	Total/NA	Solid	3050B	

Analysis Batch: 495274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-3	NE Geo-bag #2	Total/NA	Solid	7471B	495063
500-166667-4	South Geo-bag #1	Total/NA	Solid	7471B	495063
500-166667-5	South Geo-bag #2	Total/NA	Solid	7471B	495063
MB 500-495063/12-A	Method Blank	Total/NA	Solid	7471B	495063

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QC Association Summary

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

Job ID: 500-166667-1

Metals (Continued)

Analysis Batch: 495274 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-495063/13-A	Lab Control Sample	Total/NA	Solid	7471B	495063

Analysis Batch: 495303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-1	Jotco sand cover	Total/NA	Solid	6010B	495119
500-166667-2	Jotco soil cover	Total/NA	Solid	6010B	495119
500-166667-3	NE Geo-bag #2	Total/NA	Solid	6010B	495119
500-166667-4	South Geo-bag #1	Total/NA	Solid	6010B	495119
500-166667-5	South Geo-bag #2	Total/NA	Solid	6010B	495119
MB 500-495119/1-A	Method Blank	Total/NA	Solid	6010B	495119
LCS 500-495119/2-A	Lab Control Sample	Total/NA	Solid	6010B	495119
500-166667-1 MS	Jotco sand cover	Total/NA	Solid	6010B	495119
500-166667-1 MSD	Jotco sand cover	Total/NA	Solid	6010B	495119
500-166667-1 DU	Jotco sand cover	Total/NA	Solid	6010B	495119

Prep Batch: 495317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-3	NE Geo-bag #2	ASTM Leach	Solid	3010A	495078
500-166667-4	South Geo-bag #1	ASTM Leach	Solid	3010A	495078
500-166667-5	South Geo-bag #2	ASTM Leach	Solid	3010A	495078
LB3 500-495078/1-B	Method Blank	ASTM Leach	Solid	3010A	495078
LCS 500-495317/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 495326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-3	NE Geo-bag #2	ASTM Leach	Solid	7470A	495078
500-166667-4	South Geo-bag #1	ASTM Leach	Solid	7470A	495078
500-166667-5	South Geo-bag #2	ASTM Leach	Solid	7470A	495078
LB3 500-495078/1-D	Method Blank	ASTM Leach	Solid	7470A	495078
MB 500-495326/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-495326/13-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 495474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-3	NE Geo-bag #2	ASTM Leach	Solid	7470A	495326
500-166667-4	South Geo-bag #1	ASTM Leach	Solid	7470A	495326
500-166667-5	South Geo-bag #2	ASTM Leach	Solid	7470A	495326
LB3 500-495078/1-D	Method Blank	ASTM Leach	Solid	7470A	495326
MB 500-495326/12-A	Method Blank	Total/NA	Solid	7470A	495326
LCS 500-495326/13-A	Lab Control Sample	Total/NA	Solid	7470A	495326

Analysis Batch: 495540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-3	NE Geo-bag #2	ASTM Leach	Solid	6020A	495317
500-166667-4	South Geo-bag #1	ASTM Leach	Solid	6020A	495317
500-166667-5	South Geo-bag #2	ASTM Leach	Solid	6020A	495317
LB3 500-495078/1-B	Method Blank	ASTM Leach	Solid	6020A	495317
LCS 500-495317/2-A	Lab Control Sample	Total/NA	Solid	6020A	495317

QC Association Summary

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

Job ID: 500-166667-1

General Chemistry

Analysis Batch: 494884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-1	Jotco sand cover	Total/NA	Solid	Moisture	
500-166667-2	Jotco soil cover	Total/NA	Solid	Moisture	
500-166667-3	NE Geo-bag #2	Total/NA	Solid	Moisture	
500-166667-4	South Geo-bag #1	Total/NA	Solid	Moisture	
500-166667-5	South Geo-bag #2	Total/NA	Solid	Moisture	

Analysis Batch: 495349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-166667-1	Jotco sand cover	Total/NA	Solid	7196A	
500-166667-2	Jotco soil cover	Total/NA	Solid	7196A	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Surrogate Summary

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

Job ID: 500-166667-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (37-147)	TPHL (42-157)	FBP (43-145)
500-166667-3	NE Geo-bag #2	70	108	75
500-166667-3 - DL	NE Geo-bag #2	68	102	82
500-166667-4	South Geo-bag #1	59	98	68
500-166667-4 - DL	South Geo-bag #1	64	96	78
500-166667-5	South Geo-bag #2	97	151	110
500-166667-5 - DL	South Geo-bag #2	0 D	0 D	0 D
LCS 500-495135/2-A	Lab Control Sample	80	84	77
MB 500-495135/1-A	Method Blank	81	93	80

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (36-120)	TPHL (40-145)	FBP (34-110)
LCS 500-495313/2-A	Lab Control Sample	103	110	101
MB 500-495313/1-A	Method Blank	106	117	99

Surrogate Legend

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

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

Matrix: Solid

Prep Type: ASTM Leach

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (36-120)	TPHL (40-145)	FBP (34-110)
500-166667-3	NE Geo-bag #2	90	105	84
500-166667-4	South Geo-bag #1	99	108	94
500-166667-5	South Geo-bag #2	110	120	101
LB3 500-495078/1-C	Method Blank	92	106	82

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (49-129)	DCBP1 (37-121)
500-166667-3	NE Geo-bag #2	81	90
500-166667-4	South Geo-bag #1	80	81

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Surrogate Summary

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

Job ID: 500-166667-1

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (49-129)	DCBP1 (37-121)
500-166667-5	South Geo-bag #2	74	90
LCS 500-495001/3-A	Lab Control Sample	93	97
MB 500-495001/1-A	Method Blank	99	112

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

QC Sample Results

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

Job ID: 500-166667-1

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

Lab Sample ID: MB 500-495135/1-A
Matrix: Solid
Analysis Batch: 495235

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 495135

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0060		0.033	0.0060	mg/Kg		07/16/19 17:12	07/17/19 14:05	1
Acenaphthylene	<0.0044		0.033	0.0044	mg/Kg		07/16/19 17:12	07/17/19 14:05	1
Anthracene	<0.0056		0.033	0.0056	mg/Kg		07/16/19 17:12	07/17/19 14:05	1
Benzo[a]anthracene	<0.0045		0.033	0.0045	mg/Kg		07/16/19 17:12	07/17/19 14:05	1
Benzo[a]pyrene	<0.0064		0.033	0.0064	mg/Kg		07/16/19 17:12	07/17/19 14:05	1
Benzo[b]fluoranthene	<0.0072		0.033	0.0072	mg/Kg		07/16/19 17:12	07/17/19 14:05	1
Benzo[g,h,i]perylene	<0.011		0.033	0.011	mg/Kg		07/16/19 17:12	07/17/19 14:05	1
Benzo[k]fluoranthene	<0.0098		0.033	0.0098	mg/Kg		07/16/19 17:12	07/17/19 14:05	1
Chrysene	<0.0091		0.033	0.0091	mg/Kg		07/16/19 17:12	07/17/19 14:05	1
Dibenz(a,h)anthracene	<0.0064		0.033	0.0064	mg/Kg		07/16/19 17:12	07/17/19 14:05	1
Fluoranthene	<0.0062		0.033	0.0062	mg/Kg		07/16/19 17:12	07/17/19 14:05	1
Fluorene	<0.0047		0.033	0.0047	mg/Kg		07/16/19 17:12	07/17/19 14:05	1
Indeno[1,2,3-cd]pyrene	<0.0086		0.033	0.0086	mg/Kg		07/16/19 17:12	07/17/19 14:05	1
Naphthalene	<0.0051		0.033	0.0051	mg/Kg		07/16/19 17:12	07/17/19 14:05	1
Phenanthrene	<0.0046		0.033	0.0046	mg/Kg		07/16/19 17:12	07/17/19 14:05	1
Pyrene	<0.0066		0.033	0.0066	mg/Kg		07/16/19 17:12	07/17/19 14:05	1
1-Methylnaphthalene	<0.0081		0.067	0.0081	mg/Kg		07/16/19 17:12	07/17/19 14:05	1
2-Methylnaphthalene	<0.0061		0.067	0.0061	mg/Kg		07/16/19 17:12	07/17/19 14:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	81		37 - 147	07/16/19 17:12	07/17/19 14:05	1
Terphenyl-d14 (Surr)	93		42 - 157	07/16/19 17:12	07/17/19 14:05	1
2-Fluorobiphenyl (Surr)	80		43 - 145	07/16/19 17:12	07/17/19 14:05	1

Lab Sample ID: LCS 500-495135/2-A
Matrix: Solid
Analysis Batch: 495235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 495135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	1.33	1.08		mg/Kg		81	65 - 124
Acenaphthylene	1.33	1.11		mg/Kg		83	68 - 120
Anthracene	1.33	1.09		mg/Kg		82	70 - 114
Benzo[a]anthracene	1.33	1.15		mg/Kg		86	67 - 122
Benzo[a]pyrene	1.33	1.14		mg/Kg		86	65 - 133
Benzo[b]fluoranthene	1.33	1.13		mg/Kg		85	69 - 129
Benzo[g,h,i]perylene	1.33	1.11		mg/Kg		83	72 - 131
Benzo[k]fluoranthene	1.33	1.07		mg/Kg		80	68 - 127
Chrysene	1.33	1.13		mg/Kg		85	63 - 120
Dibenz(a,h)anthracene	1.33	1.11		mg/Kg		83	64 - 131
Fluoranthene	1.33	1.12		mg/Kg		84	62 - 120
Fluorene	1.33	1.04		mg/Kg		78	62 - 120
Indeno[1,2,3-cd]pyrene	1.33	1.14		mg/Kg		86	68 - 130
Naphthalene	1.33	1.06		mg/Kg		80	63 - 110
Phenanthrene	1.33	1.06		mg/Kg		79	62 - 120
Pyrene	1.33	1.14		mg/Kg		85	61 - 128
1-Methylnaphthalene	1.33	1.03		mg/Kg		77	68 - 111
2-Methylnaphthalene	1.33	0.994		mg/Kg		75	69 - 112

QC Sample Results

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

Job ID: 500-166667-1

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

Lab Sample ID: LCS 500-495135/2-A
Matrix: Solid
Analysis Batch: 495235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 495135

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	80		37 - 147
Terphenyl-d14 (Surr)	84		42 - 157
2-Fluorobiphenyl (Surr)	77		43 - 145

Lab Sample ID: MB 500-495313/1-A
Matrix: Solid
Analysis Batch: 495440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 495313

Analyte	MB MB		LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.00036		0.0010	0.00036	mg/L		07/17/19 14:20	07/18/19 12:11	1
Acenaphthylene	<0.00032		0.0010	0.00032	mg/L		07/17/19 14:20	07/18/19 12:11	1
Anthracene	<0.00032		0.0010	0.00032	mg/L		07/17/19 14:20	07/18/19 12:11	1
Benzo[a]anthracene	<0.000044		0.00020	0.000044	mg/L		07/17/19 14:20	07/18/19 12:11	1
Benzo[a]pyrene	<0.000056		0.00020	0.000056	mg/L		07/17/19 14:20	07/18/19 12:11	1
Benzo[b]fluoranthene	<0.000058		0.00020	0.000058	mg/L		07/17/19 14:20	07/18/19 12:11	1
Benzo[g,h,i]perylene	<0.00042		0.0010	0.00042	mg/L		07/17/19 14:20	07/18/19 12:11	1
Benzo[k]fluoranthene	<0.000074		0.00020	0.000074	mg/L		07/17/19 14:20	07/18/19 12:11	1
Chrysene	<0.00014		0.00050	0.00014	mg/L		07/17/19 14:20	07/18/19 12:11	1
Dibenz(a,h)anthracene	<0.000064		0.00030	0.000064	mg/L		07/17/19 14:20	07/18/19 12:11	1
Fluoranthene	<0.00032		0.0010	0.00032	mg/L		07/17/19 14:20	07/18/19 12:11	1
Fluorene	<0.00038		0.0010	0.00038	mg/L		07/17/19 14:20	07/18/19 12:11	1
Indeno[1,2,3-cd]pyrene	<0.000084		0.00020	0.000084	mg/L		07/17/19 14:20	07/18/19 12:11	1
Naphthalene	<0.00030		0.0010	0.00030	mg/L		07/17/19 14:20	07/18/19 12:11	1
Phenanthrene	<0.00035		0.0010	0.00035	mg/L		07/17/19 14:20	07/18/19 12:11	1
Pyrene	<0.00048		0.0010	0.00048	mg/L		07/17/19 14:20	07/18/19 12:11	1
1-Methylnaphthalene	<0.00050		0.0020	0.00050	mg/L		07/17/19 14:20	07/18/19 12:11	1
2-Methylnaphthalene	<0.00013		0.0020	0.00013	mg/L		07/17/19 14:20	07/18/19 12:11	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5 (Surr)	106		36 - 120	07/17/19 14:20	07/18/19 12:11	1
Terphenyl-d14 (Surr)	117		40 - 145	07/17/19 14:20	07/18/19 12:11	1
2-Fluorobiphenyl (Surr)	99		34 - 110	07/17/19 14:20	07/18/19 12:11	1

Lab Sample ID: LCS 500-495313/2-A
Matrix: Solid
Analysis Batch: 495440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 495313

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Acenaphthene	0.0400	0.0375		mg/L		94	46 - 110
Acenaphthylene	0.0400	0.0379		mg/L		95	47 - 110
Anthracene	0.0400	0.0416		mg/L		104	67 - 110
Benzo[a]anthracene	0.0400	0.0424		mg/L		106	70 - 120
Benzo[a]pyrene	0.0400	0.0420		mg/L		105	70 - 120
Benzo[b]fluoranthene	0.0400	0.0404		mg/L		101	69 - 123
Benzo[g,h,i]perylene	0.0400	0.0461		mg/L		115	70 - 120
Benzo[k]fluoranthene	0.0400	0.0404		mg/L		101	70 - 120
Chrysene	0.0400	0.0427		mg/L		107	68 - 120
Dibenz(a,h)anthracene	0.0400	0.0474		mg/L		118	70 - 127

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QC Sample Results

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

Job ID: 500-166667-1

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

Lab Sample ID: LCS 500-495313/2-A
Matrix: Solid
Analysis Batch: 495440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 495313

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	0.0400	0.0432		mg/L		108	68 - 120
Fluorene	0.0400	0.0376		mg/L		94	53 - 120
Indeno[1,2,3-cd]pyrene	0.0400	0.0476		mg/L		119	65 - 133
Naphthalene	0.0400	0.0345		mg/L		86	36 - 110
Phenanthrene	0.0400	0.0416		mg/L		104	65 - 120
Pyrene	0.0400	0.0418		mg/L		105	70 - 110
1-Methylnaphthalene	0.0400	0.0332		mg/L		83	38 - 110
2-Methylnaphthalene	0.0400	0.0331		mg/L		83	34 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	103		36 - 120
Terphenyl-d14 (Surr)	110		40 - 145
2-Fluorobiphenyl (Surr)	101		34 - 110

Lab Sample ID: LB3 500-495078/1-C
Matrix: Solid
Analysis Batch: 495440

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 495313

Analyte	LB3 Result	LB3 Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		07/17/19 14:20	07/18/19 14:00	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		07/17/19 14:20	07/18/19 14:00	1
Anthracene	<0.0032		0.010	0.0032	mg/L		07/17/19 14:20	07/18/19 14:00	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		07/17/19 14:20	07/18/19 14:00	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		07/17/19 14:20	07/18/19 14:00	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		07/17/19 14:20	07/18/19 14:00	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		07/17/19 14:20	07/18/19 14:00	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		07/17/19 14:20	07/18/19 14:00	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		07/17/19 14:20	07/18/19 14:00	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		07/17/19 14:20	07/18/19 14:00	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		07/17/19 14:20	07/18/19 14:00	1
Fluorene	<0.0038		0.010	0.0038	mg/L		07/17/19 14:20	07/18/19 14:00	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		07/17/19 14:20	07/18/19 14:00	1
Naphthalene	<0.0030		0.010	0.0030	mg/L		07/17/19 14:20	07/18/19 14:00	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		07/17/19 14:20	07/18/19 14:00	1
Pyrene	<0.0048		0.010	0.0048	mg/L		07/17/19 14:20	07/18/19 14:00	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		07/17/19 14:20	07/18/19 14:00	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		07/17/19 14:20	07/18/19 14:00	1

Surrogate	LB3 %Recovery	LB3 Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	92		36 - 120	07/17/19 14:20	07/18/19 14:00	1
Terphenyl-d14 (Surr)	106		40 - 145	07/17/19 14:20	07/18/19 14:00	1
2-Fluorobiphenyl (Surr)	82		34 - 110	07/17/19 14:20	07/18/19 14:00	1

QC Sample Results

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

Job ID: 500-166667-1

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

Lab Sample ID: MB 500-495001/1-A
Matrix: Solid
Analysis Batch: 495021

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 495001

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0059		0.017	0.0059	mg/Kg		07/16/19 07:42	07/16/19 14:21	1
PCB-1221	<0.0073		0.017	0.0073	mg/Kg		07/16/19 07:42	07/16/19 14:21	1
PCB-1232	<0.0073		0.017	0.0073	mg/Kg		07/16/19 07:42	07/16/19 14:21	1
PCB-1242	<0.0055		0.017	0.0055	mg/Kg		07/16/19 07:42	07/16/19 14:21	1
PCB-1248	<0.0066		0.017	0.0066	mg/Kg		07/16/19 07:42	07/16/19 14:21	1
PCB-1254	<0.0036		0.017	0.0036	mg/Kg		07/16/19 07:42	07/16/19 14:21	1
PCB-1260	<0.0082		0.017	0.0082	mg/Kg		07/16/19 07:42	07/16/19 14:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		49 - 129	07/16/19 07:42	07/16/19 14:21	1
DCB Decachlorobiphenyl	112		37 - 121	07/16/19 07:42	07/16/19 14:21	1

Lab Sample ID: LCS 500-495001/3-A
Matrix: Solid
Analysis Batch: 495021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 495001

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	0.167	0.161		mg/Kg		97	57 - 120
PCB-1260	0.167	0.158		mg/Kg		95	61 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	93		49 - 129
DCB Decachlorobiphenyl	97		37 - 121

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-495119/1-A
Matrix: Solid
Analysis Batch: 495303

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 495119

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<8.2		20	8.2	mg/Kg		07/16/19 15:35	07/17/19 09:54	1
Arsenic	<0.34		1.0	0.34	mg/Kg		07/16/19 15:35	07/17/19 09:54	1
Barium	<0.11		1.0	0.11	mg/Kg		07/16/19 15:35	07/17/19 09:54	1
Cadmium	0.105	J	0.20	0.036	mg/Kg		07/16/19 15:35	07/17/19 09:54	1
Chromium	<0.50		1.0	0.50	mg/Kg		07/16/19 15:35	07/17/19 09:54	1
Cobalt	<0.13		0.50	0.13	mg/Kg		07/16/19 15:35	07/17/19 09:54	1
Selenium	0.767	J	1.0	0.59	mg/Kg		07/16/19 15:35	07/17/19 09:54	1
Copper	<0.28		1.0	0.28	mg/Kg		07/16/19 15:35	07/17/19 09:54	1
Silver	<0.13		0.50	0.13	mg/Kg		07/16/19 15:35	07/17/19 09:54	1
Iron	<10		20	10	mg/Kg		07/16/19 15:35	07/17/19 09:54	1
Lead	<0.23		0.50	0.23	mg/Kg		07/16/19 15:35	07/17/19 09:54	1
Manganese	<0.15		1.0	0.15	mg/Kg		07/16/19 15:35	07/17/19 09:54	1
Nickel	<0.29		1.0	0.29	mg/Kg		07/16/19 15:35	07/17/19 09:54	1
Strontium	<0.020		0.50	0.020	mg/Kg		07/16/19 15:35	07/17/19 09:54	1
Vanadium	<0.12		0.50	0.12	mg/Kg		07/16/19 15:35	07/17/19 09:54	1
Zinc	<0.88		2.0	0.88	mg/Kg		07/16/19 15:35	07/17/19 09:54	1

Eurolins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-166667-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 500-495119/2-A
Matrix: Solid
Analysis Batch: 495303

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 495119
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aluminum	200	195		mg/Kg		97	80 - 120
Arsenic	10.0	8.99		mg/Kg		90	80 - 120
Barium	200	195		mg/Kg		97	80 - 120
Cadmium	5.00	4.69		mg/Kg		94	80 - 120
Chromium	20.0	19.4		mg/Kg		97	80 - 120
Cobalt	50.0	48.9		mg/Kg		98	80 - 120
Selenium	10.0	8.90		mg/Kg		89	80 - 120
Copper	25.0	24.5		mg/Kg		98	80 - 120
Silver	5.00	4.38		mg/Kg		88	80 - 120
Iron	100	110		mg/Kg		110	80 - 120
Lead	10.0	9.22		mg/Kg		92	80 - 120
Manganese	50.0	49.1		mg/Kg		98	80 - 120
Nickel	50.0	48.2		mg/Kg		96	80 - 120
Strontium	100	94.8		mg/Kg		95	80 - 120
Vanadium	50.0	48.7		mg/Kg		97	80 - 120
Zinc	50.0	48.1		mg/Kg		96	80 - 120

Lab Sample ID: 500-166667-1 MS
Matrix: Solid
Analysis Batch: 495303

Client Sample ID: Jotco sand cover
Prep Type: Total/NA
Prep Batch: 495119
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Aluminum	4000		198	6230	4	mg/Kg	☼	1151	75 - 125
Arsenic	2.0		9.88	11.5		mg/Kg	☼	96	75 - 125
Barium	28		198	233		mg/Kg	☼	104	75 - 125
Cadmium	0.27	B	4.94	4.77		mg/Kg	☼	91	75 - 125
Chromium	9.2		19.8	26.1		mg/Kg	☼	86	75 - 125
Cobalt	2.9		49.4	52.7		mg/Kg	☼	101	75 - 125
Selenium	0.78	J B	9.88	9.24		mg/Kg	☼	86	75 - 125
Copper	6.0		24.7	29.8		mg/Kg	☼	96	75 - 125
Silver	1.3		4.94	5.67		mg/Kg	☼	88	75 - 125
Iron	6800		98.8	6550	4	mg/Kg	☼	-268	75 - 125
Lead	3.2		9.88	13.3		mg/Kg	☼	103	75 - 125
Manganese	200	F1	49.4	248		mg/Kg	☼	107	75 - 125
Nickel	7.2		49.4	55.6		mg/Kg	☼	98	75 - 125
Strontium	16		98.8	103		mg/Kg	☼	88	75 - 125
Vanadium	14		49.4	59.6		mg/Kg	☼	93	75 - 125
Zinc	17		49.4	67.1		mg/Kg	☼	101	75 - 125

Lab Sample ID: 500-166667-1 MSD
Matrix: Solid
Analysis Batch: 495303

Client Sample ID: Jotco sand cover
Prep Type: Total/NA
Prep Batch: 495119
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aluminum	4000		202	6310	4	mg/Kg	☼	1164	75 - 125	1	20
Arsenic	2.0		10.1	11.9		mg/Kg	☼	98	75 - 125	4	20
Barium	28		202	239		mg/Kg	☼	104	75 - 125	2	20
Cadmium	0.27	B	5.05	4.82		mg/Kg	☼	90	75 - 125	1	20
Chromium	9.2		20.2	25.3		mg/Kg	☼	80	75 - 125	3	20

Eurofins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-166667-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 500-166667-1 MSD
Matrix: Solid
Analysis Batch: 495303

Client Sample ID: Jotco sand cover
Prep Type: Total/NA
Prep Batch: 495119

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cobalt	2.9		50.5	53.7		mg/Kg	☼	101	75 - 125	2	20
Selenium	0.78	J B	10.1	8.85		mg/Kg	☼	80	75 - 125	4	20
Copper	6.0		25.3	29.7		mg/Kg	☼	94	75 - 125	0	20
Silver	1.3		5.05	5.79		mg/Kg	☼	88	75 - 125	2	20
Iron	6800		101	6680	4	mg/Kg	☼	-135	75 - 125	2	20
Lead	3.2		10.1	13.5		mg/Kg	☼	102	75 - 125	1	20
Manganese	200	F1	50.5	277	F1	mg/Kg	☼	163	75 - 125	11	20
Nickel	7.2		50.5	56.0		mg/Kg	☼	97	75 - 125	1	20
Strontium	16		101	106		mg/Kg	☼	89	75 - 125	3	20
Vanadium	14		50.5	62.5		mg/Kg	☼	97	75 - 125	5	20
Zinc	17		50.5	67.7		mg/Kg	☼	100	75 - 125	1	20

Lab Sample ID: 500-166667-1 DU
Matrix: Solid
Analysis Batch: 495303

Client Sample ID: Jotco sand cover
Prep Type: Total/NA
Prep Batch: 495119

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	4000		4570		mg/Kg	☼	14	20
Arsenic	2.0		1.72		mg/Kg	☼	15	20
Barium	28		35.1	F3	mg/Kg	☼	21	20
Cadmium	0.27	B	0.238		mg/Kg	☼	14	20
Chromium	9.2		6.49	F3	mg/Kg	☼	34	20
Cobalt	2.9		2.70		mg/Kg	☼	6	20
Selenium	0.78	J B	0.636	J	mg/Kg	☼	20	20
Copper	6.0		5.43		mg/Kg	☼	10	20
Silver	1.3		0.869	F5	mg/Kg	☼	42	20
Iron	6800		6130		mg/Kg	☼	11	20
Lead	3.2		4.07	F3	mg/Kg	☼	25	20
Manganese	200	F1	223		mg/Kg	☼	13	20
Nickel	7.2		5.79	F3	mg/Kg	☼	21	20
Strontium	16		15.9		mg/Kg	☼	2	20
Vanadium	14		12.5		mg/Kg	☼	8	20
Zinc	17		17.2		mg/Kg	☼	0.1	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: LCS 500-495317/2-A
Matrix: Solid
Analysis Batch: 495540

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 495317

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.0894		mg/L		89	80 - 120
Barium	0.500	0.480	J	mg/L		96	80 - 120
Cadmium	0.0500	0.0473		mg/L		95	80 - 120
Chromium	0.200	0.196		mg/L		98	80 - 120
Lead	0.100	0.108		mg/L		108	80 - 120
Selenium	0.100	0.0886		mg/L		89	80 - 120
Silver	0.0500	0.0498		mg/L		100	80 - 120

QC Sample Results

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

Job ID: 500-166667-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LB3 500-495078/1-B
Matrix: Solid
Analysis Batch: 495540

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 495317

Analyte	LB3	LB3	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.0020		0.050	0.0020	mg/L		07/17/19 14:31	07/18/19 12:08	1
Barium	<0.050		0.50	0.050	mg/L		07/17/19 14:31	07/18/19 12:08	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/17/19 14:31	07/18/19 12:08	1
Chromium	<0.0050		0.025	0.0050	mg/L		07/17/19 14:31	07/18/19 12:08	1
Lead	<0.0020		0.050	0.0020	mg/L		07/17/19 14:31	07/18/19 12:08	1
Selenium	<0.010		0.050	0.010	mg/L		07/17/19 14:31	07/18/19 12:08	1
Silver	<0.0050		0.025	0.0050	mg/L		07/17/19 14:31	07/18/19 12:08	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-495326/12-A
Matrix: Solid
Analysis Batch: 495474

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 495326

Analyte	MB	MB	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.00020		0.00020	0.00020	mg/L		07/17/19 15:10	07/18/19 08:53	1

Lab Sample ID: LCS 500-495326/13-A
Matrix: Solid
Analysis Batch: 495474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 495326

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
Mercury	0.00200	0.00186		mg/L		93	80 - 120

Lab Sample ID: LB3 500-495078/1-D
Matrix: Solid
Analysis Batch: 495474

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 495326

Analyte	LB3	LB3	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.00020		0.00020	0.00020	mg/L		07/17/19 15:10	07/18/19 08:56	1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-495063/12-A
Matrix: Solid
Analysis Batch: 495274

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 495063

Analyte	MB	MB	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.0056		0.017	0.0056	mg/Kg		07/16/19 14:20	07/17/19 09:21	1

Lab Sample ID: LCS 500-495063/13-A
Matrix: Solid
Analysis Batch: 495274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 495063

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
Mercury	0.167	0.160		mg/Kg		96	80 - 120

Lab Chronicle

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

Job ID: 500-166667-1

Client Sample ID: Jotco sand cover

Lab Sample ID: 500-166667-1

Date Collected: 07/11/19 00:00

Matrix: Solid

Date Received: 07/13/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	494884	07/15/19 11:47	LWN	TAL CHI

Client Sample ID: Jotco sand cover

Lab Sample ID: 500-166667-1

Date Collected: 07/11/19 00:00

Matrix: Solid

Date Received: 07/13/19 09:20

Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			495119	07/16/19 15:35	BDE	TAL CHI
Total/NA	Analysis	6010B		1	495303	07/17/19 10:02	JEF	TAL CHI
Total/NA	Analysis	7196A		1	495349	07/17/19 17:42	PFK	TAL CHI

Client Sample ID: Jotco soil cover

Lab Sample ID: 500-166667-2

Date Collected: 07/11/19 00:00

Matrix: Solid

Date Received: 07/13/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	494884	07/15/19 11:47	LWN	TAL CHI

Client Sample ID: Jotco soil cover

Lab Sample ID: 500-166667-2

Date Collected: 07/11/19 00:00

Matrix: Solid

Date Received: 07/13/19 09:20

Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			495119	07/16/19 15:35	BDE	TAL CHI
Total/NA	Analysis	6010B		1	495303	07/17/19 11:53	JEF	TAL CHI
Total/NA	Analysis	7196A		1	495349	07/17/19 17:42	PFK	TAL CHI

Client Sample ID: NE Geo-bag #2

Lab Sample ID: 500-166667-3

Date Collected: 07/11/19 00:00

Matrix: Solid

Date Received: 07/13/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			495078	07/16/19 12:04	GCA	TAL CHI
ASTM Leach	Prep	3510C			495313	07/17/19 14:20	DAK	TAL CHI
ASTM Leach	Analysis	8270D		1	495440	07/18/19 12:38	AJD	TAL CHI
ASTM Leach	Leach	D3987-85			495078	07/16/19 12:04	GCA	TAL CHI
ASTM Leach	Prep	3010A			495317	07/17/19 14:31	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	495540	07/18/19 12:25	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			495078	07/16/19 12:04	GCA	TAL CHI
ASTM Leach	Prep	7470A			495326	07/17/19 15:10	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	495474	07/18/19 08:59	MJG	TAL CHI
Total/NA	Analysis	Moisture		1	494884	07/15/19 11:47	LWN	TAL CHI

Lab Chronicle

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

Job ID: 500-166667-1

Client Sample ID: NE Geo-bag #2

Lab Sample ID: 500-166667-3

Date Collected: 07/11/19 00:00

Matrix: Solid

Date Received: 07/13/19 09:20

Percent Solids: 35.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL		495135	07/16/19 17:12	JP1	TAL CHI
Total/NA	Analysis	8270D	DL	2	495452	07/18/19 14:17	AJD	TAL CHI
Total/NA	Prep	3541			495135	07/16/19 17:12	JP1	TAL CHI
Total/NA	Analysis	8270D		1	495220	07/17/19 19:49	AJD	TAL CHI
Total/NA	Prep	3541			495001	07/16/19 07:42	DX	TAL CHI
Total/NA	Analysis	8082A		1	495021	07/16/19 16:40	BJH	TAL CHI
Total/NA	Prep	3050B			495119	07/16/19 15:35	BDE	TAL CHI
Total/NA	Analysis	6010B		1	495303	07/17/19 11:57	JEF	TAL CHI
Total/NA	Prep	7471B			495063	07/16/19 14:20	MJG	TAL CHI
Total/NA	Analysis	7471B		1	495274	07/17/19 10:04	MJG	TAL CHI

Client Sample ID: South Geo-bag #1

Lab Sample ID: 500-166667-4

Date Collected: 07/11/19 00:00

Matrix: Solid

Date Received: 07/13/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			495078	07/16/19 12:04	GCA	TAL CHI
ASTM Leach	Prep	3510C			495313	07/17/19 14:20	DAK	TAL CHI
ASTM Leach	Analysis	8270D		1	495440	07/18/19 13:05	AJD	TAL CHI
ASTM Leach	Leach	D3987-85			495078	07/16/19 12:04	GCA	TAL CHI
ASTM Leach	Prep	3010A			495317	07/17/19 14:31	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	495540	07/18/19 12:29	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			495078	07/16/19 12:04	GCA	TAL CHI
ASTM Leach	Prep	7470A			495326	07/17/19 15:10	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	495474	07/18/19 09:00	MJG	TAL CHI
Total/NA	Analysis	Moisture		1	494884	07/15/19 11:47	LWN	TAL CHI

Client Sample ID: South Geo-bag #1

Lab Sample ID: 500-166667-4

Date Collected: 07/11/19 00:00

Matrix: Solid

Date Received: 07/13/19 09:20

Percent Solids: 32.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL		495135	07/16/19 17:12	JP1	TAL CHI
Total/NA	Analysis	8270D	DL	2	495452	07/18/19 14:47	AJD	TAL CHI
Total/NA	Prep	3541			495135	07/16/19 17:12	JP1	TAL CHI
Total/NA	Analysis	8270D		1	495220	07/17/19 20:17	AJD	TAL CHI
Total/NA	Prep	3541			495001	07/16/19 07:42	DX	TAL CHI
Total/NA	Analysis	8082A		1	495021	07/16/19 16:56	BJH	TAL CHI
Total/NA	Prep	3050B			495119	07/16/19 15:35	BDE	TAL CHI
Total/NA	Analysis	6010B		1	495303	07/17/19 12:01	JEF	TAL CHI
Total/NA	Prep	7471B			495063	07/16/19 14:20	MJG	TAL CHI
Total/NA	Analysis	7471B		1	495274	07/17/19 10:08	MJG	TAL CHI

Lab Chronicle

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

Job ID: 500-166667-1

Client Sample ID: South Geo-bag #2

Lab Sample ID: 500-166667-5

Date Collected: 07/11/19 00:00

Matrix: Solid

Date Received: 07/13/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			495078	07/16/19 12:04	GCA	TAL CHI
ASTM Leach	Prep	3510C			495313	07/17/19 14:20	DAK	TAL CHI
ASTM Leach	Analysis	8270D		1	495440	07/18/19 13:33	AJD	TAL CHI
ASTM Leach	Leach	D3987-85			495078	07/16/19 12:04	GCA	TAL CHI
ASTM Leach	Prep	3010A			495317	07/17/19 14:31	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	495540	07/18/19 12:34	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			495078	07/16/19 12:04	GCA	TAL CHI
ASTM Leach	Prep	7470A			495326	07/17/19 15:10	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	495474	07/18/19 09:09	MJG	TAL CHI
Total/NA	Analysis	Moisture		1	494884	07/15/19 11:47	LWN	TAL CHI

Client Sample ID: South Geo-bag #2

Lab Sample ID: 500-166667-5

Date Collected: 07/11/19 00:00

Matrix: Solid

Date Received: 07/13/19 09:20

Percent Solids: 39.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL		495135	07/16/19 17:12	JP1	TAL CHI
Total/NA	Analysis	8270D	DL	20	495452	07/18/19 12:19	AJD	TAL CHI
Total/NA	Prep	3541			495135	07/16/19 17:12	JP1	TAL CHI
Total/NA	Analysis	8270D		10	495220	07/17/19 20:44	AJD	TAL CHI
Total/NA	Prep	3541			495001	07/16/19 07:42	DX	TAL CHI
Total/NA	Analysis	8082A		1	495021	07/16/19 17:11	BJH	TAL CHI
Total/NA	Prep	3050B			495119	07/16/19 15:35	BDE	TAL CHI
Total/NA	Analysis	6010B		1	495303	07/17/19 10:41	JEF	TAL CHI
Total/NA	Prep	7471B			495063	07/16/19 14:20	MJG	TAL CHI
Total/NA	Analysis	7471B		1	495274	07/17/19 10:12	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
Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-166667-1

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
7196A		Solid	Chromium, trivalent

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



Login Sample Receipt Checklist

Client: EnviroAnalytics Group LLC

Job Number: 500-166667-1

Login Number: 166667

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: James, Jeff A

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	1.8
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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-167373-2

Client Project/Site: Rock River Sediment Removal, Janesville

For:

EnviroAnalytics Group LLC
1515 Des Peres Rd.
Suite 300
Saint Louis, Missouri 63131

Attn: Mr. Daniel Dunn



Authorized for release by:
8/2/2019 3:48:31 PM

Eric Lang, Manager of Project Management
(708)534-5200

eric.lang@testamericainc.com

Designee for

Jim Knapp, Project Manager II
(630)758-0262

jim.knapp@testamericainc.com

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Case Narrative

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

Job ID: 500-167373-2

Job ID: 500-167373-2

Laboratory: Eurofins TestAmerica, Chicago

Narrative

**Job Narrative
500-167373-2**

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

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

Metals

No analytical or quality issues were noted, other than those described 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
Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-167373-2

Client Sample ID: QC #1

Lab Sample ID: 500-167373-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.0042	J	0.010	0.0032	mg/L	1		8270D	ASTM Leach
Naphthalene	0.015		0.010	0.0030	mg/L	1		8270D	ASTM Leach
Arsenic	0.0031	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Lead	0.0033	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach

Client Sample ID: QC #2

Lab Sample ID: 500-167373-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0023	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Lead	0.0054	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach

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
Arsenic	0.0034	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Lead	0.0054	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach

Client Sample ID: Solid sample #2-Leach

Lab Sample ID: 500-167373-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.0089	J	0.010	0.0032	mg/L	1		8270D	ASTM Leach
Naphthalene	0.037		0.010	0.0030	mg/L	1		8270D	ASTM Leach
2-Methylnaphthalene	0.0014	J	0.020	0.0013	mg/L	1		8270D	ASTM Leach
Arsenic	0.0053	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Chromium	0.018	J	0.025	0.0050	mg/L	1		6020A	ASTM Leach
Lead	0.049	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach

Client Sample ID: Solid Sample #7

Lab Sample ID: 500-167373-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.0035	J	0.010	0.0032	mg/L	1		8270D	ASTM Leach
Naphthalene	0.016		0.010	0.0030	mg/L	1		8270D	ASTM Leach
Arsenic	0.0044	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Chromium	0.0050	J	0.025	0.0050	mg/L	1		6020A	ASTM Leach
Lead	0.011	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach

Client Sample ID: Solid Sample #8

Lab Sample ID: 500-167373-6

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.0096	J	0.010	0.0030	mg/L	1		8270D	ASTM Leach
Arsenic	0.0039	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Chromium	0.0052	J	0.025	0.0050	mg/L	1		6020A	ASTM Leach
Lead	0.012	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach

Client Sample ID: Solid Sample #9

Lab Sample ID: 500-167373-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0047	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Chromium	0.0056	J	0.025	0.0050	mg/L	1		6020A	ASTM Leach
Lead	0.012	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach

This Detection Summary does not include radiochemical test results.

Eurolins TestAmerica, Chicago

Detection Summary

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

Job ID: 500-167373-2

Client Sample ID: Solid Sample #0

Lab Sample ID: 500-167373-8

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0048	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Chromium	0.0058	J	0.025	0.0050	mg/L	1		6020A	ASTM Leach
Lead	0.011	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach

Client Sample ID: Solid Sample #11

Lab Sample ID: 500-167373-9

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0055	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Chromium	0.0052	J	0.025	0.0050	mg/L	1		6020A	ASTM Leach
Lead	0.013	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach

Client Sample ID: Solid Sample #12

Lab Sample ID: 500-167373-10

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0029	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Lead	0.0026	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach

Client Sample ID: Solid Sample #13

Lab Sample ID: 500-167373-11

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0052	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Lead	0.0055	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach

Client Sample ID: Solid Sample #14

Lab Sample ID: 500-167373-12

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0074	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Chromium	0.0078	J	0.025	0.0050	mg/L	1		6020A	ASTM Leach
Lead	0.021	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Method Summary

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

Job ID: 500-167373-2

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
3010A	Preparation, Total Metals	SW846	TAL CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL CHI
7470A	Preparation, Mercury	SW846	TAL CHI
D3987-85	ASTM Leaching Procedure	ASTM	TAL CHI

Protocol References:

ASTM = ASTM International

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
Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-167373-2

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	
500-167373-4	Solid sample #2-Leach	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 Results

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

Job ID: 500-167373-2

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

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		08/01/19 16:09	08/02/19 10:57	1
Acenaphthylene	0.0042	J	0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 10:57	1
Anthracene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 10:57	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		08/01/19 16:09	08/02/19 10:57	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		08/01/19 16:09	08/02/19 10:57	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		08/01/19 16:09	08/02/19 10:57	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		08/01/19 16:09	08/02/19 10:57	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		08/01/19 16:09	08/02/19 10:57	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		08/01/19 16:09	08/02/19 10:57	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		08/01/19 16:09	08/02/19 10:57	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 10:57	1
Fluorene	<0.0038		0.010	0.0038	mg/L		08/01/19 16:09	08/02/19 10:57	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		08/01/19 16:09	08/02/19 10:57	1
Naphthalene	0.015		0.010	0.0030	mg/L		08/01/19 16:09	08/02/19 10:57	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		08/01/19 16:09	08/02/19 10:57	1
Pyrene	<0.0048		0.010	0.0048	mg/L		08/01/19 16:09	08/02/19 10:57	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		08/01/19 16:09	08/02/19 10:57	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		08/01/19 16:09	08/02/19 10:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	85		36 - 120	08/01/19 16:09	08/02/19 10:57	1
Terphenyl-d14 (Surr)	116		40 - 145	08/01/19 16:09	08/02/19 10:57	1
2-Fluorobiphenyl (Surr)	84		34 - 110	08/01/19 16:09	08/02/19 10:57	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0031	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 17:32	1
Barium	<0.050		0.50	0.050	mg/L		07/30/19 14:34	07/31/19 17:32	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/30/19 14:34	07/31/19 17:32	1
Chromium	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 17:32	1
Lead	0.0033	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 17:32	1
Selenium	<0.010		0.050	0.010	mg/L		07/30/19 14:34	07/31/19 17:32	1
Silver	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 17:32	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 08:56	1

Client Sample Results

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

Job ID: 500-167373-2

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

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		08/01/19 16:09	08/02/19 11:21	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 11:21	1
Anthracene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 11:21	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		08/01/19 16:09	08/02/19 11:21	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		08/01/19 16:09	08/02/19 11:21	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		08/01/19 16:09	08/02/19 11:21	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		08/01/19 16:09	08/02/19 11:21	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		08/01/19 16:09	08/02/19 11:21	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		08/01/19 16:09	08/02/19 11:21	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		08/01/19 16:09	08/02/19 11:21	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 11:21	1
Fluorene	<0.0038		0.010	0.0038	mg/L		08/01/19 16:09	08/02/19 11:21	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		08/01/19 16:09	08/02/19 11:21	1
Naphthalene	<0.0030		0.010	0.0030	mg/L		08/01/19 16:09	08/02/19 11:21	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		08/01/19 16:09	08/02/19 11:21	1
Pyrene	<0.0048		0.010	0.0048	mg/L		08/01/19 16:09	08/02/19 11:21	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		08/01/19 16:09	08/02/19 11:21	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		08/01/19 16:09	08/02/19 11:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	80		36 - 120	08/01/19 16:09	08/02/19 11:21	1
Terphenyl-d14 (Surr)	107		40 - 145	08/01/19 16:09	08/02/19 11:21	1
2-Fluorobiphenyl (Surr)	78		34 - 110	08/01/19 16:09	08/02/19 11:21	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0023	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 17:36	1
Barium	<0.050		0.50	0.050	mg/L		07/30/19 14:34	07/31/19 17:36	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/30/19 14:34	07/31/19 17:36	1
Chromium	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 17:36	1
Lead	0.0054	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 17:36	1
Selenium	<0.010		0.050	0.010	mg/L		07/30/19 14:34	07/31/19 17:36	1
Silver	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 17:36	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 08:57	1

Client Sample Results

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

Job ID: 500-167373-2

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

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		08/01/19 16:09	08/02/19 11:45	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 11:45	1
Anthracene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 11:45	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		08/01/19 16:09	08/02/19 11:45	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		08/01/19 16:09	08/02/19 11:45	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		08/01/19 16:09	08/02/19 11:45	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		08/01/19 16:09	08/02/19 11:45	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		08/01/19 16:09	08/02/19 11:45	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		08/01/19 16:09	08/02/19 11:45	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		08/01/19 16:09	08/02/19 11:45	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 11:45	1
Fluorene	<0.0038		0.010	0.0038	mg/L		08/01/19 16:09	08/02/19 11:45	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		08/01/19 16:09	08/02/19 11:45	1
Naphthalene	<0.0030		0.010	0.0030	mg/L		08/01/19 16:09	08/02/19 11:45	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		08/01/19 16:09	08/02/19 11:45	1
Pyrene	<0.0048		0.010	0.0048	mg/L		08/01/19 16:09	08/02/19 11:45	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		08/01/19 16:09	08/02/19 11:45	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		08/01/19 16:09	08/02/19 11:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	88		36 - 120	08/01/19 16:09	08/02/19 11:45	1
Terphenyl-d14 (Surr)	113		40 - 145	08/01/19 16:09	08/02/19 11:45	1
2-Fluorobiphenyl (Surr)	86		34 - 110	08/01/19 16:09	08/02/19 11:45	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0034	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 17:40	1
Barium	<0.050		0.50	0.050	mg/L		07/30/19 14:34	07/31/19 17:40	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/30/19 14:34	07/31/19 17:40	1
Chromium	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 17:40	1
Lead	0.0054	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 17:40	1
Selenium	<0.010		0.050	0.010	mg/L		07/30/19 14:34	07/31/19 17:40	1
Silver	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 17:40	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 08:59	1

Client Sample Results

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

Job ID: 500-167373-2

Client Sample ID: Solid sample #2-Leach

Lab Sample ID: 500-167373-4

Date Collected: 07/25/19 00:00

Matrix: Solid

Date Received: 07/26/19 15:49

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		08/01/19 16:09	08/02/19 12:10	1
Acenaphthylene	0.0089	J	0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 12:10	1
Anthracene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 12:10	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		08/01/19 16:09	08/02/19 12:10	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		08/01/19 16:09	08/02/19 12:10	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		08/01/19 16:09	08/02/19 12:10	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		08/01/19 16:09	08/02/19 12:10	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		08/01/19 16:09	08/02/19 12:10	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		08/01/19 16:09	08/02/19 12:10	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		08/01/19 16:09	08/02/19 12:10	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 12:10	1
Fluorene	<0.0038		0.010	0.0038	mg/L		08/01/19 16:09	08/02/19 12:10	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		08/01/19 16:09	08/02/19 12:10	1
Naphthalene	0.037		0.010	0.0030	mg/L		08/01/19 16:09	08/02/19 12:10	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		08/01/19 16:09	08/02/19 12:10	1
Pyrene	<0.0048		0.010	0.0048	mg/L		08/01/19 16:09	08/02/19 12:10	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		08/01/19 16:09	08/02/19 12:10	1
2-Methylnaphthalene	0.0014	J	0.020	0.0013	mg/L		08/01/19 16:09	08/02/19 12:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	78		36 - 120	08/01/19 16:09	08/02/19 12:10	1
Terphenyl-d14 (Surr)	100		40 - 145	08/01/19 16:09	08/02/19 12:10	1
2-Fluorobiphenyl (Surr)	77		34 - 110	08/01/19 16:09	08/02/19 12:10	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0053	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 17:43	1
Barium	<0.050		0.50	0.050	mg/L		07/30/19 14:34	07/31/19 17:43	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/30/19 14:34	07/31/19 17:43	1
Chromium	0.018	J	0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 17:43	1
Lead	0.049	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 17:43	1
Selenium	<0.010		0.050	0.010	mg/L		07/30/19 14:34	07/31/19 17:43	1
Silver	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 17:43	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 09:00	1

Client Sample Results

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

Job ID: 500-167373-2

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

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		08/01/19 16:09	08/02/19 12:34	1
Acenaphthylene	0.0035	J	0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 12:34	1
Anthracene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 12:34	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		08/01/19 16:09	08/02/19 12:34	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		08/01/19 16:09	08/02/19 12:34	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		08/01/19 16:09	08/02/19 12:34	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		08/01/19 16:09	08/02/19 12:34	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		08/01/19 16:09	08/02/19 12:34	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		08/01/19 16:09	08/02/19 12:34	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		08/01/19 16:09	08/02/19 12:34	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 12:34	1
Fluorene	<0.0038		0.010	0.0038	mg/L		08/01/19 16:09	08/02/19 12:34	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		08/01/19 16:09	08/02/19 12:34	1
Naphthalene	0.016		0.010	0.0030	mg/L		08/01/19 16:09	08/02/19 12:34	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		08/01/19 16:09	08/02/19 12:34	1
Pyrene	<0.0048		0.010	0.0048	mg/L		08/01/19 16:09	08/02/19 12:34	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		08/01/19 16:09	08/02/19 12:34	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		08/01/19 16:09	08/02/19 12:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	74		36 - 120	08/01/19 16:09	08/02/19 12:34	1
Terphenyl-d14 (Surr)	101		40 - 145	08/01/19 16:09	08/02/19 12:34	1
2-Fluorobiphenyl (Surr)	76		34 - 110	08/01/19 16:09	08/02/19 12:34	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0044	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 17:47	1
Barium	<0.050		0.50	0.050	mg/L		07/30/19 14:34	07/31/19 17:47	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/30/19 14:34	07/31/19 17:47	1
Chromium	0.0050	J	0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 17:47	1
Lead	0.011	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 17:47	1
Selenium	<0.010		0.050	0.010	mg/L		07/30/19 14:34	07/31/19 17:47	1
Silver	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 17:47	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 09:02	1

Client Sample Results

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

Job ID: 500-167373-2

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

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		08/01/19 16:09	08/02/19 12:59	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 12:59	1
Anthracene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 12:59	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		08/01/19 16:09	08/02/19 12:59	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		08/01/19 16:09	08/02/19 12:59	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		08/01/19 16:09	08/02/19 12:59	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		08/01/19 16:09	08/02/19 12:59	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		08/01/19 16:09	08/02/19 12:59	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		08/01/19 16:09	08/02/19 12:59	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		08/01/19 16:09	08/02/19 12:59	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 12:59	1
Fluorene	<0.0038		0.010	0.0038	mg/L		08/01/19 16:09	08/02/19 12:59	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		08/01/19 16:09	08/02/19 12:59	1
Naphthalene	0.0096	J	0.010	0.0030	mg/L		08/01/19 16:09	08/02/19 12:59	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		08/01/19 16:09	08/02/19 12:59	1
Pyrene	<0.0048		0.010	0.0048	mg/L		08/01/19 16:09	08/02/19 12:59	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		08/01/19 16:09	08/02/19 12:59	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		08/01/19 16:09	08/02/19 12:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	79		36 - 120	08/01/19 16:09	08/02/19 12:59	1
Terphenyl-d14 (Surr)	104		40 - 145	08/01/19 16:09	08/02/19 12:59	1
2-Fluorobiphenyl (Surr)	78		34 - 110	08/01/19 16:09	08/02/19 12:59	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0039	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 17:51	1
Barium	<0.050		0.50	0.050	mg/L		07/30/19 14:34	07/31/19 17:51	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/30/19 14:34	07/31/19 17:51	1
Chromium	0.0052	J	0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 17:51	1
Lead	0.012	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 17:51	1
Selenium	<0.010		0.050	0.010	mg/L		07/30/19 14:34	07/31/19 17:51	1
Silver	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 17:51	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 09:04	1

Client Sample Results

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

Job ID: 500-167373-2

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

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		08/01/19 16:09	08/02/19 13:23	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 13:23	1
Anthracene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 13:23	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		08/01/19 16:09	08/02/19 13:23	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		08/01/19 16:09	08/02/19 13:23	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		08/01/19 16:09	08/02/19 13:23	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		08/01/19 16:09	08/02/19 13:23	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		08/01/19 16:09	08/02/19 13:23	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		08/01/19 16:09	08/02/19 13:23	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		08/01/19 16:09	08/02/19 13:23	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 13:23	1
Fluorene	<0.0038		0.010	0.0038	mg/L		08/01/19 16:09	08/02/19 13:23	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		08/01/19 16:09	08/02/19 13:23	1
Naphthalene	<0.0030		0.010	0.0030	mg/L		08/01/19 16:09	08/02/19 13:23	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		08/01/19 16:09	08/02/19 13:23	1
Pyrene	<0.0048		0.010	0.0048	mg/L		08/01/19 16:09	08/02/19 13:23	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		08/01/19 16:09	08/02/19 13:23	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		08/01/19 16:09	08/02/19 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	76		36 - 120	08/01/19 16:09	08/02/19 13:23	1
Terphenyl-d14 (Surr)	101		40 - 145	08/01/19 16:09	08/02/19 13:23	1
2-Fluorobiphenyl (Surr)	75		34 - 110	08/01/19 16:09	08/02/19 13:23	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0047	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 18:03	1
Barium	<0.050		0.50	0.050	mg/L		07/30/19 14:34	07/31/19 18:03	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/30/19 14:34	07/31/19 18:03	1
Chromium	0.0056	J	0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 18:03	1
Lead	0.012	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 18:03	1
Selenium	<0.010		0.050	0.010	mg/L		07/30/19 14:34	07/31/19 18:03	1
Silver	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 18:03	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 09:05	1

Client Sample Results

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

Job ID: 500-167373-2

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

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		08/01/19 16:09	08/02/19 13:48	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 13:48	1
Anthracene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 13:48	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		08/01/19 16:09	08/02/19 13:48	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		08/01/19 16:09	08/02/19 13:48	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		08/01/19 16:09	08/02/19 13:48	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		08/01/19 16:09	08/02/19 13:48	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		08/01/19 16:09	08/02/19 13:48	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		08/01/19 16:09	08/02/19 13:48	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		08/01/19 16:09	08/02/19 13:48	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 13:48	1
Fluorene	<0.0038		0.010	0.0038	mg/L		08/01/19 16:09	08/02/19 13:48	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		08/01/19 16:09	08/02/19 13:48	1
Naphthalene	<0.0030		0.010	0.0030	mg/L		08/01/19 16:09	08/02/19 13:48	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		08/01/19 16:09	08/02/19 13:48	1
Pyrene	<0.0048		0.010	0.0048	mg/L		08/01/19 16:09	08/02/19 13:48	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		08/01/19 16:09	08/02/19 13:48	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		08/01/19 16:09	08/02/19 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	77		36 - 120	08/01/19 16:09	08/02/19 13:48	1
Terphenyl-d14 (Surr)	103		40 - 145	08/01/19 16:09	08/02/19 13:48	1
2-Fluorobiphenyl (Surr)	77		34 - 110	08/01/19 16:09	08/02/19 13:48	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0048	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 18:06	1
Barium	<0.050		0.50	0.050	mg/L		07/30/19 14:34	07/31/19 18:06	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/30/19 14:34	07/31/19 18:06	1
Chromium	0.0058	J	0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 18:06	1
Lead	0.011	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 18:06	1
Selenium	<0.010		0.050	0.010	mg/L		07/30/19 14:34	07/31/19 18:06	1
Silver	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 18:06	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 09:14	1

Client Sample Results

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

Job ID: 500-167373-2

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

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		08/01/19 16:09	08/02/19 14:12	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 14:12	1
Anthracene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 14:12	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		08/01/19 16:09	08/02/19 14:12	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		08/01/19 16:09	08/02/19 14:12	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		08/01/19 16:09	08/02/19 14:12	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		08/01/19 16:09	08/02/19 14:12	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		08/01/19 16:09	08/02/19 14:12	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		08/01/19 16:09	08/02/19 14:12	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		08/01/19 16:09	08/02/19 14:12	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 14:12	1
Fluorene	<0.0038		0.010	0.0038	mg/L		08/01/19 16:09	08/02/19 14:12	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		08/01/19 16:09	08/02/19 14:12	1
Naphthalene	<0.0030		0.010	0.0030	mg/L		08/01/19 16:09	08/02/19 14:12	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		08/01/19 16:09	08/02/19 14:12	1
Pyrene	<0.0048		0.010	0.0048	mg/L		08/01/19 16:09	08/02/19 14:12	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		08/01/19 16:09	08/02/19 14:12	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		08/01/19 16:09	08/02/19 14:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	88		36 - 120	08/01/19 16:09	08/02/19 14:12	1
Terphenyl-d14 (Surr)	113		40 - 145	08/01/19 16:09	08/02/19 14:12	1
2-Fluorobiphenyl (Surr)	90		34 - 110	08/01/19 16:09	08/02/19 14:12	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0055	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 18:10	1
Barium	<0.050		0.50	0.050	mg/L		07/30/19 14:34	07/31/19 18:10	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/30/19 14:34	07/31/19 18:10	1
Chromium	0.0052	J	0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 18:10	1
Lead	0.013	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 18:10	1
Selenium	<0.010		0.050	0.010	mg/L		07/30/19 14:34	07/31/19 18:10	1
Silver	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 18:10	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 09:16	1

Client Sample Results

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

Job ID: 500-167373-2

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

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		08/01/19 16:09	08/02/19 14:37	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 14:37	1
Anthracene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 14:37	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		08/01/19 16:09	08/02/19 14:37	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		08/01/19 16:09	08/02/19 14:37	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		08/01/19 16:09	08/02/19 14:37	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		08/01/19 16:09	08/02/19 14:37	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		08/01/19 16:09	08/02/19 14:37	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		08/01/19 16:09	08/02/19 14:37	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		08/01/19 16:09	08/02/19 14:37	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 14:37	1
Fluorene	<0.0038		0.010	0.0038	mg/L		08/01/19 16:09	08/02/19 14:37	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		08/01/19 16:09	08/02/19 14:37	1
Naphthalene	<0.0030		0.010	0.0030	mg/L		08/01/19 16:09	08/02/19 14:37	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		08/01/19 16:09	08/02/19 14:37	1
Pyrene	<0.0048		0.010	0.0048	mg/L		08/01/19 16:09	08/02/19 14:37	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		08/01/19 16:09	08/02/19 14:37	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		08/01/19 16:09	08/02/19 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	84		36 - 120	08/01/19 16:09	08/02/19 14:37	1
Terphenyl-d14 (Surr)	112		40 - 145	08/01/19 16:09	08/02/19 14:37	1
2-Fluorobiphenyl (Surr)	85		34 - 110	08/01/19 16:09	08/02/19 14:37	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0029	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 18:14	1
Barium	<0.050		0.50	0.050	mg/L		07/30/19 14:34	07/31/19 18:14	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/30/19 14:34	07/31/19 18:14	1
Chromium	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 18:14	1
Lead	0.0026	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 18:14	1
Selenium	<0.010		0.050	0.010	mg/L		07/30/19 14:34	07/31/19 18:14	1
Silver	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 18:14	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 09:17	1

Client Sample Results

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

Job ID: 500-167373-2

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

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		08/01/19 16:09	08/02/19 14:17	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 14:17	1
Anthracene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 14:17	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		08/01/19 16:09	08/02/19 14:17	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		08/01/19 16:09	08/02/19 14:17	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		08/01/19 16:09	08/02/19 14:17	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		08/01/19 16:09	08/02/19 14:17	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		08/01/19 16:09	08/02/19 14:17	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		08/01/19 16:09	08/02/19 14:17	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		08/01/19 16:09	08/02/19 14:17	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 14:17	1
Fluorene	<0.0038		0.010	0.0038	mg/L		08/01/19 16:09	08/02/19 14:17	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		08/01/19 16:09	08/02/19 14:17	1
Naphthalene	<0.0030		0.010	0.0030	mg/L		08/01/19 16:09	08/02/19 14:17	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		08/01/19 16:09	08/02/19 14:17	1
Pyrene	<0.0048		0.010	0.0048	mg/L		08/01/19 16:09	08/02/19 14:17	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		08/01/19 16:09	08/02/19 14:17	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		08/01/19 16:09	08/02/19 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	101		36 - 120	08/01/19 16:09	08/02/19 14:17	1
Terphenyl-d14 (Surr)	105		40 - 145	08/01/19 16:09	08/02/19 14:17	1
2-Fluorobiphenyl (Surr)	91		34 - 110	08/01/19 16:09	08/02/19 14:17	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0052	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 18:18	1
Barium	<0.050		0.50	0.050	mg/L		07/30/19 14:34	07/31/19 18:18	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/30/19 14:34	07/31/19 18:18	1
Chromium	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 18:18	1
Lead	0.0055	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 18:18	1
Selenium	<0.010		0.050	0.010	mg/L		07/30/19 14:34	07/31/19 18:18	1
Silver	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 18:18	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 09:19	1

Client Sample Results

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

Job ID: 500-167373-2

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

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		08/01/19 16:09	08/02/19 14:44	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 14:44	1
Anthracene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 14:44	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		08/01/19 16:09	08/02/19 14:44	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		08/01/19 16:09	08/02/19 14:44	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		08/01/19 16:09	08/02/19 14:44	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		08/01/19 16:09	08/02/19 14:44	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		08/01/19 16:09	08/02/19 14:44	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		08/01/19 16:09	08/02/19 14:44	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		08/01/19 16:09	08/02/19 14:44	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 14:44	1
Fluorene	<0.0038		0.010	0.0038	mg/L		08/01/19 16:09	08/02/19 14:44	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		08/01/19 16:09	08/02/19 14:44	1
Naphthalene	<0.0030		0.010	0.0030	mg/L		08/01/19 16:09	08/02/19 14:44	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		08/01/19 16:09	08/02/19 14:44	1
Pyrene	<0.0048		0.010	0.0048	mg/L		08/01/19 16:09	08/02/19 14:44	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		08/01/19 16:09	08/02/19 14:44	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		08/01/19 16:09	08/02/19 14:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	106		36 - 120	08/01/19 16:09	08/02/19 14:44	1
Terphenyl-d14 (Surr)	103		40 - 145	08/01/19 16:09	08/02/19 14:44	1
2-Fluorobiphenyl (Surr)	87		34 - 110	08/01/19 16:09	08/02/19 14:44	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0074	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 18:22	1
Barium	<0.050		0.50	0.050	mg/L		07/30/19 14:34	07/31/19 18:22	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/30/19 14:34	07/31/19 18:22	1
Chromium	0.0078	J	0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 18:22	1
Lead	0.021	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 18:22	1
Selenium	<0.010		0.050	0.010	mg/L		07/30/19 14:34	07/31/19 18:22	1
Silver	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 18:22	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 09:21	1

Definitions/Glossary

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

Job ID: 500-167373-2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
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.
α	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
 Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-167373-2

GC/MS Semi VOA

Leach Batch: 497166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-1	QC #1	ASTM Leach	Solid	D3987-85	
500-167373-2	QC #2	ASTM Leach	Solid	D3987-85	
500-167373-3	Solid sample #1-300yds	ASTM Leach	Solid	D3987-85	
500-167373-4	Solid sample #2-Leach	ASTM Leach	Solid	D3987-85	
500-167373-5	Solid Sample #7	ASTM Leach	Solid	D3987-85	
500-167373-6	Solid Sample #8	ASTM Leach	Solid	D3987-85	
500-167373-7	Solid Sample #9	ASTM Leach	Solid	D3987-85	
500-167373-8	Solid Sample #0	ASTM Leach	Solid	D3987-85	
500-167373-9	Solid Sample #11	ASTM Leach	Solid	D3987-85	
500-167373-10	Solid Sample #12	ASTM Leach	Solid	D3987-85	
500-167373-11	Solid Sample #13	ASTM Leach	Solid	D3987-85	
500-167373-12	Solid Sample #14	ASTM Leach	Solid	D3987-85	
LB3 500-497166/1-E	Method Blank	ASTM Leach	Solid	D3987-85	

Prep Batch: 497843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-1	QC #1	ASTM Leach	Solid	3510C	497166
500-167373-2	QC #2	ASTM Leach	Solid	3510C	497166
500-167373-3	Solid sample #1-300yds	ASTM Leach	Solid	3510C	497166
500-167373-4	Solid sample #2-Leach	ASTM Leach	Solid	3510C	497166
500-167373-5	Solid Sample #7	ASTM Leach	Solid	3510C	497166
500-167373-6	Solid Sample #8	ASTM Leach	Solid	3510C	497166
500-167373-7	Solid Sample #9	ASTM Leach	Solid	3510C	497166
500-167373-8	Solid Sample #0	ASTM Leach	Solid	3510C	497166
500-167373-9	Solid Sample #11	ASTM Leach	Solid	3510C	497166
500-167373-10	Solid Sample #12	ASTM Leach	Solid	3510C	497166
500-167373-11	Solid Sample #13	ASTM Leach	Solid	3510C	497166
500-167373-12	Solid Sample #14	ASTM Leach	Solid	3510C	497166
LB3 500-497166/1-E	Method Blank	ASTM Leach	Solid	3510C	497166
MB 500-497843/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 500-497843/2-A	Lab Control Sample	Total/NA	Solid	3510C	

Analysis Batch: 497913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-11	Solid Sample #13	ASTM Leach	Solid	8270D	497843
500-167373-12	Solid Sample #14	ASTM Leach	Solid	8270D	497843
LB3 500-497166/1-E	Method Blank	ASTM Leach	Solid	8270D	497843
MB 500-497843/1-A	Method Blank	Total/NA	Solid	8270D	497843
LCS 500-497843/2-A	Lab Control Sample	Total/NA	Solid	8270D	497843

Analysis Batch: 497943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-1	QC #1	ASTM Leach	Solid	8270D	497843
500-167373-2	QC #2	ASTM Leach	Solid	8270D	497843
500-167373-3	Solid sample #1-300yds	ASTM Leach	Solid	8270D	497843
500-167373-4	Solid sample #2-Leach	ASTM Leach	Solid	8270D	497843
500-167373-5	Solid Sample #7	ASTM Leach	Solid	8270D	497843
500-167373-6	Solid Sample #8	ASTM Leach	Solid	8270D	497843
500-167373-7	Solid Sample #9	ASTM Leach	Solid	8270D	497843
500-167373-8	Solid Sample #0	ASTM Leach	Solid	8270D	497843
500-167373-9	Solid Sample #11	ASTM Leach	Solid	8270D	497843

Eurofins TestAmerica, Chicago

QC Association Summary

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

Job ID: 500-167373-2

GC/MS Semi VOA (Continued)

Analysis Batch: 497943 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-10	Solid Sample #12	ASTM Leach	Solid	8270D	497843

Metals

Leach Batch: 497166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-1	QC #1	ASTM Leach	Solid	D3987-85	
500-167373-2	QC #2	ASTM Leach	Solid	D3987-85	
500-167373-3	Solid sample #1-300yds	ASTM Leach	Solid	D3987-85	
500-167373-4	Solid sample #2-Leach	ASTM Leach	Solid	D3987-85	
500-167373-5	Solid Sample #7	ASTM Leach	Solid	D3987-85	
500-167373-6	Solid Sample #8	ASTM Leach	Solid	D3987-85	
500-167373-7	Solid Sample #9	ASTM Leach	Solid	D3987-85	
500-167373-8	Solid Sample #0	ASTM Leach	Solid	D3987-85	
500-167373-9	Solid Sample #11	ASTM Leach	Solid	D3987-85	
500-167373-10	Solid Sample #12	ASTM Leach	Solid	D3987-85	
500-167373-11	Solid Sample #13	ASTM Leach	Solid	D3987-85	
500-167373-12	Solid Sample #14	ASTM Leach	Solid	D3987-85	
LB3 500-497166/1-B	Method Blank	ASTM Leach	Solid	D3987-85	
LB3 500-497166/1-C	Method Blank	ASTM Leach	Solid	D3987-85	
500-167373-7 MS	Solid Sample #9	ASTM Leach	Solid	D3987-85	
500-167373-12 MS	Solid Sample #14	ASTM Leach	Solid	D3987-85	
500-167373-7 DU	Solid Sample #9	ASTM Leach	Solid	D3987-85	
500-167373-12 DU	Solid Sample #14	ASTM Leach	Solid	D3987-85	

Prep Batch: 497387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-1	QC #1	ASTM Leach	Solid	3010A	497166
500-167373-2	QC #2	ASTM Leach	Solid	3010A	497166
500-167373-3	Solid sample #1-300yds	ASTM Leach	Solid	3010A	497166
500-167373-4	Solid sample #2-Leach	ASTM Leach	Solid	3010A	497166
500-167373-5	Solid Sample #7	ASTM Leach	Solid	3010A	497166
500-167373-6	Solid Sample #8	ASTM Leach	Solid	3010A	497166
500-167373-7	Solid Sample #9	ASTM Leach	Solid	3010A	497166
500-167373-8	Solid Sample #0	ASTM Leach	Solid	3010A	497166
500-167373-9	Solid Sample #11	ASTM Leach	Solid	3010A	497166
500-167373-10	Solid Sample #12	ASTM Leach	Solid	3010A	497166
500-167373-11	Solid Sample #13	ASTM Leach	Solid	3010A	497166
500-167373-12	Solid Sample #14	ASTM Leach	Solid	3010A	497166
LB3 500-497166/1-B	Method Blank	ASTM Leach	Solid	3010A	497166
LCS 500-497387/2-A	Lab Control Sample	Total/NA	Solid	3010A	
500-167373-12 MS	Solid Sample #14	ASTM Leach	Solid	3010A	497166
500-167373-12 DU	Solid Sample #14	ASTM Leach	Solid	3010A	497166

Prep Batch: 497400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-1	QC #1	ASTM Leach	Solid	7470A	497166
500-167373-2	QC #2	ASTM Leach	Solid	7470A	497166
500-167373-3	Solid sample #1-300yds	ASTM Leach	Solid	7470A	497166
500-167373-4	Solid sample #2-Leach	ASTM Leach	Solid	7470A	497166
500-167373-5	Solid Sample #7	ASTM Leach	Solid	7470A	497166

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QC Association Summary

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

Job ID: 500-167373-2

Metals (Continued)

Prep Batch: 497400 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-6	Solid Sample #8	ASTM Leach	Solid	7470A	497166
500-167373-7	Solid Sample #9	ASTM Leach	Solid	7470A	497166
500-167373-8	Solid Sample #0	ASTM Leach	Solid	7470A	497166
500-167373-9	Solid Sample #11	ASTM Leach	Solid	7470A	497166
500-167373-10	Solid Sample #12	ASTM Leach	Solid	7470A	497166
500-167373-11	Solid Sample #13	ASTM Leach	Solid	7470A	497166
500-167373-12	Solid Sample #14	ASTM Leach	Solid	7470A	497166
LB3 500-497166/1-C	Method Blank	ASTM Leach	Solid	7470A	497166
MB 500-497400/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-497400/13-A	Lab Control Sample	Total/NA	Solid	7470A	
500-167373-7 MS	Solid Sample #9	ASTM Leach	Solid	7470A	497166
500-167373-7 DU	Solid Sample #9	ASTM Leach	Solid	7470A	497166

Analysis Batch: 497548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-1	QC #1	ASTM Leach	Solid	7470A	497400
500-167373-2	QC #2	ASTM Leach	Solid	7470A	497400
500-167373-3	Solid sample #1-300yds	ASTM Leach	Solid	7470A	497400
500-167373-4	Solid sample #2-Leach	ASTM Leach	Solid	7470A	497400
500-167373-5	Solid Sample #7	ASTM Leach	Solid	7470A	497400
500-167373-6	Solid Sample #8	ASTM Leach	Solid	7470A	497400
500-167373-7	Solid Sample #9	ASTM Leach	Solid	7470A	497400
500-167373-8	Solid Sample #0	ASTM Leach	Solid	7470A	497400
500-167373-9	Solid Sample #11	ASTM Leach	Solid	7470A	497400
500-167373-10	Solid Sample #12	ASTM Leach	Solid	7470A	497400
500-167373-11	Solid Sample #13	ASTM Leach	Solid	7470A	497400
500-167373-12	Solid Sample #14	ASTM Leach	Solid	7470A	497400
LB3 500-497166/1-C	Method Blank	ASTM Leach	Solid	7470A	497400
MB 500-497400/12-A	Method Blank	Total/NA	Solid	7470A	497400
LCS 500-497400/13-A	Lab Control Sample	Total/NA	Solid	7470A	497400
500-167373-7 MS	Solid Sample #9	ASTM Leach	Solid	7470A	497400
500-167373-7 DU	Solid Sample #9	ASTM Leach	Solid	7470A	497400

Analysis Batch: 497781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167373-1	QC #1	ASTM Leach	Solid	6020A	497387
500-167373-2	QC #2	ASTM Leach	Solid	6020A	497387
500-167373-3	Solid sample #1-300yds	ASTM Leach	Solid	6020A	497387
500-167373-4	Solid sample #2-Leach	ASTM Leach	Solid	6020A	497387
500-167373-5	Solid Sample #7	ASTM Leach	Solid	6020A	497387
500-167373-6	Solid Sample #8	ASTM Leach	Solid	6020A	497387
500-167373-7	Solid Sample #9	ASTM Leach	Solid	6020A	497387
500-167373-8	Solid Sample #0	ASTM Leach	Solid	6020A	497387
500-167373-9	Solid Sample #11	ASTM Leach	Solid	6020A	497387
500-167373-10	Solid Sample #12	ASTM Leach	Solid	6020A	497387
500-167373-11	Solid Sample #13	ASTM Leach	Solid	6020A	497387
500-167373-12	Solid Sample #14	ASTM Leach	Solid	6020A	497387
LB3 500-497166/1-B	Method Blank	ASTM Leach	Solid	6020A	497387
LCS 500-497387/2-A	Lab Control Sample	Total/NA	Solid	6020A	497387
500-167373-12 MS	Solid Sample #14	ASTM Leach	Solid	6020A	497387
500-167373-12 DU	Solid Sample #14	ASTM Leach	Solid	6020A	497387

Eurofins TestAmerica, Chicago

Surrogate Summary

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

Job ID: 500-167373-2

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	TPHL	FBP
		(36-120)	(40-145)	(34-110)
LCS 500-497843/2-A	Lab Control Sample	101	95	90
MB 500-497843/1-A	Method Blank	102	106	89

Surrogate Legend

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

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

Matrix: Solid

Prep Type: ASTM Leach

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	NBZ	TPHL	FBP
		(36-120)	(40-145)	(34-110)
500-167373-1	QC #1	85	116	84
500-167373-2	QC #2	80	107	78
500-167373-3	Solid sample #1-300yds	88	113	86
500-167373-4	Solid sample #2-Leach	78	100	77
500-167373-5	Solid Sample #7	74	101	76
500-167373-6	Solid Sample #8	79	104	78
500-167373-7	Solid Sample #9	76	101	75
500-167373-8	Solid Sample #0	77	103	77
500-167373-9	Solid Sample #11	88	113	90
500-167373-10	Solid Sample #12	84	112	85
500-167373-11	Solid Sample #13	101	105	91
500-167373-12	Solid Sample #14	106	103	87
LB3 500-497166/1-E	Method Blank	93	96	75

Surrogate Legend

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

QC Sample Results

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

Job ID: 500-167373-2

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

Lab Sample ID: MB 500-497843/1-A
Matrix: Solid
Analysis Batch: 497913

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 497843

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00036		0.0010	0.00036	mg/L		08/01/19 16:09	08/02/19 10:43	1
Acenaphthylene	<0.00032		0.0010	0.00032	mg/L		08/01/19 16:09	08/02/19 10:43	1
Anthracene	<0.00032		0.0010	0.00032	mg/L		08/01/19 16:09	08/02/19 10:43	1
Benzo[a]anthracene	<0.000044		0.00020	0.000044	mg/L		08/01/19 16:09	08/02/19 10:43	1
Benzo[a]pyrene	<0.000056		0.00020	0.000056	mg/L		08/01/19 16:09	08/02/19 10:43	1
Benzo[b]fluoranthene	<0.000058		0.00020	0.000058	mg/L		08/01/19 16:09	08/02/19 10:43	1
Benzo[g,h,i]perylene	<0.00042		0.0010	0.00042	mg/L		08/01/19 16:09	08/02/19 10:43	1
Benzo[k]fluoranthene	<0.000074		0.00020	0.000074	mg/L		08/01/19 16:09	08/02/19 10:43	1
Chrysene	<0.00014		0.00050	0.00014	mg/L		08/01/19 16:09	08/02/19 10:43	1
Dibenz(a,h)anthracene	<0.000064		0.00030	0.000064	mg/L		08/01/19 16:09	08/02/19 10:43	1
Fluoranthene	<0.00032		0.0010	0.00032	mg/L		08/01/19 16:09	08/02/19 10:43	1
Fluorene	<0.00038		0.0010	0.00038	mg/L		08/01/19 16:09	08/02/19 10:43	1
Indeno[1,2,3-cd]pyrene	<0.000084		0.00020	0.000084	mg/L		08/01/19 16:09	08/02/19 10:43	1
Naphthalene	<0.00030		0.0010	0.00030	mg/L		08/01/19 16:09	08/02/19 10:43	1
Phenanthrene	<0.00035		0.0010	0.00035	mg/L		08/01/19 16:09	08/02/19 10:43	1
Pyrene	<0.00048		0.0010	0.00048	mg/L		08/01/19 16:09	08/02/19 10:43	1
1-Methylnaphthalene	<0.00050		0.0020	0.00050	mg/L		08/01/19 16:09	08/02/19 10:43	1
2-Methylnaphthalene	<0.00013		0.0020	0.00013	mg/L		08/01/19 16:09	08/02/19 10:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	102		36 - 120	08/01/19 16:09	08/02/19 10:43	1
Terphenyl-d14 (Surr)	106		40 - 145	08/01/19 16:09	08/02/19 10:43	1
2-Fluorobiphenyl (Surr)	89		34 - 110	08/01/19 16:09	08/02/19 10:43	1

Lab Sample ID: LCS 500-497843/2-A
Matrix: Solid
Analysis Batch: 497913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 497843

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	0.0400	0.0353		mg/L		88	46 - 110
Acenaphthylene	0.0400	0.0351		mg/L		88	47 - 110
Anthracene	0.0400	0.0380		mg/L		95	67 - 110
Benzo[a]anthracene	0.0400	0.0383		mg/L		96	70 - 120
Benzo[a]pyrene	0.0400	0.0377		mg/L		94	70 - 120
Benzo[b]fluoranthene	0.0400	0.0348		mg/L		87	69 - 123
Benzo[g,h,i]perylene	0.0400	0.0404		mg/L		101	70 - 120
Benzo[k]fluoranthene	0.0400	0.0368		mg/L		92	70 - 120
Chrysene	0.0400	0.0369		mg/L		92	68 - 120
Dibenz(a,h)anthracene	0.0400	0.0405		mg/L		101	70 - 127
Fluoranthene	0.0400	0.0392		mg/L		98	68 - 120
Fluorene	0.0400	0.0359		mg/L		90	53 - 120
Indeno[1,2,3-cd]pyrene	0.0400	0.0421		mg/L		105	65 - 133
Naphthalene	0.0400	0.0302		mg/L		76	36 - 110
Phenanthrene	0.0400	0.0381		mg/L		95	65 - 120
Pyrene	0.0400	0.0376		mg/L		94	70 - 110
1-Methylnaphthalene	0.0400	0.0293		mg/L		73	38 - 110
2-Methylnaphthalene	0.0400	0.0321		mg/L		80	34 - 110

Eurolins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-167373-2

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

Lab Sample ID: LCS 500-497843/2-A
Matrix: Solid
Analysis Batch: 497913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 497843

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	101		36 - 120
Terphenyl-d14 (Surr)	95		40 - 145
2-Fluorobiphenyl (Surr)	90		34 - 110

Lab Sample ID: LB3 500-497166/1-E
Matrix: Solid
Analysis Batch: 497913

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 497843

Analyte	LB3 LB3		LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.0036		0.010	0.0036	mg/L		08/01/19 16:09	08/02/19 10:16	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 10:16	1
Anthracene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 10:16	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		08/01/19 16:09	08/02/19 10:16	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		08/01/19 16:09	08/02/19 10:16	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		08/01/19 16:09	08/02/19 10:16	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		08/01/19 16:09	08/02/19 10:16	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		08/01/19 16:09	08/02/19 10:16	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		08/01/19 16:09	08/02/19 10:16	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		08/01/19 16:09	08/02/19 10:16	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 10:16	1
Fluorene	<0.0038		0.010	0.0038	mg/L		08/01/19 16:09	08/02/19 10:16	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		08/01/19 16:09	08/02/19 10:16	1
Naphthalene	<0.0030		0.010	0.0030	mg/L		08/01/19 16:09	08/02/19 10:16	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		08/01/19 16:09	08/02/19 10:16	1
Pyrene	<0.0048		0.010	0.0048	mg/L		08/01/19 16:09	08/02/19 10:16	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		08/01/19 16:09	08/02/19 10:16	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		08/01/19 16:09	08/02/19 10:16	1

Surrogate	LB3 LB3		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5 (Surr)	93		36 - 120	08/01/19 16:09	08/02/19 10:16	1
Terphenyl-d14 (Surr)	96		40 - 145	08/01/19 16:09	08/02/19 10:16	1
2-Fluorobiphenyl (Surr)	75		34 - 110	08/01/19 16:09	08/02/19 10:16	1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: LCS 500-497387/2-A
Matrix: Solid
Analysis Batch: 497781

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 497387

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Arsenic	0.100	0.103		mg/L		103	80 - 120
Barium	0.500	0.532		mg/L		106	80 - 120
Cadmium	0.0500	0.0534		mg/L		107	80 - 120
Chromium	0.200	0.229		mg/L		114	80 - 120
Lead	0.100	0.103		mg/L		103	80 - 120
Selenium	0.100	0.105		mg/L		105	80 - 120
Silver	0.0500	0.0548		mg/L		110	80 - 120

Eurofins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-167373-2

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LB3 500-497166/1-B
Matrix: Solid
Analysis Batch: 497781

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 497387

Analyte	LB3 LB3		LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.0020		0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 16:04	1
Barium	<0.050		0.50	0.050	mg/L		07/30/19 14:34	07/31/19 16:04	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/30/19 14:34	07/31/19 16:04	1
Chromium	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 16:04	1
Lead	<0.0020		0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 16:04	1
Selenium	<0.010		0.050	0.010	mg/L		07/30/19 14:34	07/31/19 16:04	1
Silver	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 16:04	1

Lab Sample ID: 500-167373-12 MS
Matrix: Solid
Analysis Batch: 497781

Client Sample ID: Solid Sample #14
Prep Type: ASTM Leach
Prep Batch: 497387

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	Limits
				Result	Qualifier				
Arsenic	0.0074	J	0.100	0.109		mg/L		102	75 - 125
Barium	<0.050		0.500	0.551		mg/L		110	75 - 125
Cadmium	<0.0010		0.0500	0.0537		mg/L		107	75 - 125
Chromium	0.0078	J	0.200	0.237		mg/L		115	75 - 125
Lead	0.021	J	0.100	0.117		mg/L		96	75 - 125
Selenium	<0.010		0.100	0.103		mg/L		103	75 - 125
Silver	<0.0050		0.0500	0.0550		mg/L		110	75 - 125

Lab Sample ID: 500-167373-12 DU
Matrix: Solid
Analysis Batch: 497781

Client Sample ID: Solid Sample #14
Prep Type: ASTM Leach
Prep Batch: 497387

Analyte	Sample Result	Sample Qualifier	DU DU		Unit	D	RPD	Limit
			Result	Qualifier				
Arsenic	0.0074	J	0.00743	J	mg/L		0.9	20
Barium	<0.050		<0.050		mg/L		NC	20
Cadmium	<0.0010		<0.0010		mg/L		NC	20
Chromium	0.0078	J	0.00809	J	mg/L		4	20
Lead	0.021	J	0.0209	J	mg/L		0	20
Selenium	<0.010		<0.010		mg/L		NC	20
Silver	<0.0050		<0.0050		mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-497400/12-A
Matrix: Solid
Analysis Batch: 497548

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 497400

Analyte	MB MB		LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 08:36	1

Lab Sample ID: LCS 500-497400/13-A
Matrix: Solid
Analysis Batch: 497548

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 497400

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Mercury	0.00200	0.00209		mg/L		105	80 - 120

Eurolins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-167373-2

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LB3 500-497166/1-C
Matrix: Solid
Analysis Batch: 497548

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 497400

Analyte	LB3 LB3		LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 08:39	1

Lab Sample ID: 500-167373-7 MS
Matrix: Solid
Analysis Batch: 497548

Client Sample ID: Solid Sample #9
Prep Type: ASTM Leach
Prep Batch: 497400

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	Limits
				Result	Qualifier				
Mercury	<0.00020		0.00100	0.00104		mg/L		104	75 - 125

Lab Sample ID: 500-167373-7 DU
Matrix: Solid
Analysis Batch: 497548

Client Sample ID: Solid Sample #9
Prep Type: ASTM Leach
Prep Batch: 497400

Analyte	Sample Result	Sample Qualifier	DU DU		Unit	D	RPD	Limit
			Result	Qualifier				
Mercury	<0.00020		<0.00020		mg/L		NC	20

Lab Chronicle

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

Job ID: 500-167373-2

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3510C			497843	08/01/19 16:09	JP1	TAL CHI
ASTM Leach	Analysis	8270D		1	497943	08/02/19 10:57	AJD	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3010A			497387	07/30/19 14:34	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	497781	07/31/19 17:32	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	7470A			497400	07/30/19 15:40	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	497548	07/31/19 08:56	MJG	TAL CHI

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3510C			497843	08/01/19 16:09	JP1	TAL CHI
ASTM Leach	Analysis	8270D		1	497943	08/02/19 11:21	AJD	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3010A			497387	07/30/19 14:34	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	497781	07/31/19 17:36	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	7470A			497400	07/30/19 15:40	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	497548	07/31/19 08:57	MJG	TAL CHI

Client Sample ID: Solid sample #1-300yds

Date Collected: 07/25/19 00:00

Date Received: 07/26/19 15:49

Lab Sample ID: 500-167373-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3510C			497843	08/01/19 16:09	JP1	TAL CHI
ASTM Leach	Analysis	8270D		1	497943	08/02/19 11:45	AJD	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3010A			497387	07/30/19 14:34	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	497781	07/31/19 17:40	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	7470A			497400	07/30/19 15:40	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	497548	07/31/19 08:59	MJG	TAL CHI

Lab Chronicle

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

Job ID: 500-167373-2

Client Sample ID: Solid sample #2-Leach

Lab Sample ID: 500-167373-4

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
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3510C			497843	08/01/19 16:09	JP1	TAL CHI
ASTM Leach	Analysis	8270D		1	497943	08/02/19 12:10	AJD	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3010A			497387	07/30/19 14:34	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	497781	07/31/19 17:43	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	7470A			497400	07/30/19 15:40	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	497548	07/31/19 09:00	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
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3510C			497843	08/01/19 16:09	JP1	TAL CHI
ASTM Leach	Analysis	8270D		1	497943	08/02/19 12:34	AJD	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3010A			497387	07/30/19 14:34	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	497781	07/31/19 17:47	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	7470A			497400	07/30/19 15:40	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	497548	07/31/19 09:02	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
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3510C			497843	08/01/19 16:09	JP1	TAL CHI
ASTM Leach	Analysis	8270D		1	497943	08/02/19 12:59	AJD	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3010A			497387	07/30/19 14:34	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	497781	07/31/19 17:51	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	7470A			497400	07/30/19 15:40	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	497548	07/31/19 09:04	MJG	TAL CHI

Lab Chronicle

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

Job ID: 500-167373-2

Client Sample ID: Solid Sample #9

Date Collected: 07/25/19 00:00

Date Received: 07/26/19 15:49

Lab Sample ID: 500-167373-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3510C			497843	08/01/19 16:09	JP1	TAL CHI
ASTM Leach	Analysis	8270D		1	497943	08/02/19 13:23	AJD	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3010A			497387	07/30/19 14:34	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	497781	07/31/19 18:03	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	7470A			497400	07/30/19 15:40	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	497548	07/31/19 09:05	MJG	TAL CHI

Client Sample ID: Solid Sample #8

Date Collected: 07/25/19 00:00

Date Received: 07/26/19 15:49

Lab Sample ID: 500-167373-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3510C			497843	08/01/19 16:09	JP1	TAL CHI
ASTM Leach	Analysis	8270D		1	497943	08/02/19 13:48	AJD	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3010A			497387	07/30/19 14:34	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	497781	07/31/19 18:06	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	7470A			497400	07/30/19 15:40	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	497548	07/31/19 09:14	MJG	TAL CHI

Client Sample ID: Solid Sample #11

Date Collected: 07/25/19 00:00

Date Received: 07/26/19 15:49

Lab Sample ID: 500-167373-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3510C			497843	08/01/19 16:09	JP1	TAL CHI
ASTM Leach	Analysis	8270D		1	497943	08/02/19 14:12	AJD	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3010A			497387	07/30/19 14:34	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	497781	07/31/19 18:10	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	7470A			497400	07/30/19 15:40	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	497548	07/31/19 09:16	MJG	TAL CHI

Lab Chronicle

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

Job ID: 500-167373-2

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
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3510C			497843	08/01/19 16:09	JP1	TAL CHI
ASTM Leach	Analysis	8270D		1	497943	08/02/19 14:37	AJD	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3010A			497387	07/30/19 14:34	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	497781	07/31/19 18:14	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	7470A			497400	07/30/19 15:40	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	497548	07/31/19 09:17	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
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3510C			497843	08/01/19 16:09	JP1	TAL CHI
ASTM Leach	Analysis	8270D		1	497913	08/02/19 14:17	NRJ	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3010A			497387	07/30/19 14:34	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	497781	07/31/19 18:18	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	7470A			497400	07/30/19 15:40	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	497548	07/31/19 09:19	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
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3510C			497843	08/01/19 16:09	JP1	TAL CHI
ASTM Leach	Analysis	8270D		1	497913	08/02/19 14:44	NRJ	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3010A			497387	07/30/19 14:34	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	497781	07/31/19 18:22	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	7470A			497400	07/30/19 15:40	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	497548	07/31/19 09:21	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
Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-167373-2

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



TestAmerica Chicago

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:	Cal	COC No:										
Client Contact: Mr. Daniel Dunn		Phone:	Knapp, Jim D	500-167373 COC	500-66160-31136.1										
Company: EnviroAnalytics Group LLC		Address: 1515 Des Peres Rd. Suite 300	Analysis Requested		Page: Page 1 of 1										
City: Saint Louis		State, Zip: MO, 63131	Job # 500-167373		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)										
Project Name: Rock River Sediment Removal, Janesville		Project #: 50014801	Total Number of Containers												
Site:		SSOW#:	ASTM Leach (RCRA, PAFS)		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	Special Instructions/Note:
				Preservation Code:											
1	QC # 1	7/24/19		C	Water								X	X	
2	QC # 2	7/24/19		C	Water								X	X	
3	Solid Sample #1 - 300 yds	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						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>Paula Woodward</i>			Date/Time:		Company:		Received by: <i>[Signature]</i>		Date/Time: 7/26/19 0935		Company: <i>TA</i>				
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

Part #: 1562672050/636102245XP 05/20

TO

EUROFINS TESTAMERICA, CHICAGO
2417 BOND ST

UNIVERSITY PARK IL 60484

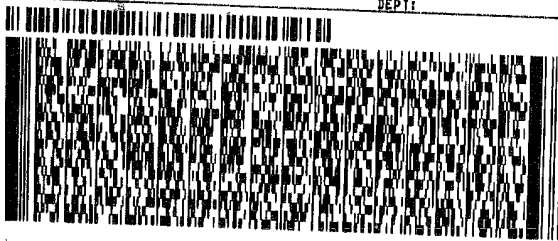
(111) 111-1111

REF:

DEPT:



500-167373 Waybill



FedEx
Express



M1L0P290810261J

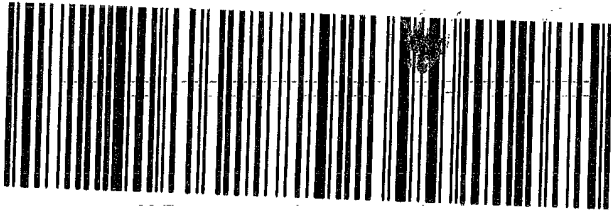
48 QT

TRK# 7886 9812 1758
0201

FRI - 26 JUL 10:30A
PRIORITY OVERNIGHT

79 JOTA

AHS
60484
IL-US ORD



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Login Sample Receipt Checklist

Client: EnviroAnalytics Group LLC

Job Number: 500-167373-2

Login Number: 167373

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: James, Jeff A

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-167425-1

Client Project/Site: Rock River Sediment Removal, Janesville

For:

EnviroAnalytics Group LLC
1515 Des Peres Rd.
Suite 300
Saint Louis, Missouri 63131

Attn: Riley Underwood



Authorized for release by:
8/2/2019 3:35:03 PM

Eric Lang, Manager of Project Management
(708)534-5200

eric.lang@testamericainc.com

Designee for

Jim Knapp, Project Manager II
(630)758-0262

jim.knapp@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Case Narrative

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

Job ID: 500-167425-1

Job ID: 500-167425-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-167425-1

Comments

No additional comments.

Receipt

The samples were received on 7/27/2019 9:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.5° C.

GC/MS Semi VOA

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: Solid Sample #15 (500-167425-1), Solid Sample #16 (500-167425-2) and Solid Sample #17 (500-167425-3). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following sample 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 #16 (500-167425-2)

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 samples were diluted due to the nature of the sample matrix: Solid Sample #15 (500-167425-1), Solid Sample #16 (500-167425-2), Solid Sample #17 (500-167425-3) and Silho Clay (500-167425-4). 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: Solid Sample #15 (500-167425-1), Solid Sample #16 (500-167425-2), Solid Sample #17 (500-167425-3) and Silho Clay (500-167425-4). The reagent lot number used was: 190938.

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

Metals

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

Organic Prep

Method(s) 3510C: 3510 8270 Due to the matrix, the initial volume(s) used for the following sample(s) deviated from the standard procedure: 500-167425-4. The reporting limits (RLs) have been adjusted proportionately.

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

Detection Summary

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

Job ID: 500-167425-1

Client Sample ID: Solid Sample #15

Lab Sample ID: 500-167425-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.11	J	0.59	0.11	mg/Kg	10	☼	8270D	Total/NA
Acenaphthylene	0.11	J	0.59	0.079	mg/Kg	10	☼	8270D	Total/NA
Anthracene	0.18	J	0.59	0.099	mg/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	0.64		0.59	0.080	mg/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	0.48	J	0.59	0.12	mg/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.73		0.59	0.13	mg/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.25	J	0.59	0.18	mg/Kg	10	☼	8270D	Total/NA
Chrysene	1.0		0.59	0.16	mg/Kg	10	☼	8270D	Total/NA
Fluoranthene	1.5		0.59	0.11	mg/Kg	10	☼	8270D	Total/NA
Fluorene	0.097	J	0.59	0.084	mg/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.22	J	0.59	0.15	mg/Kg	10	☼	8270D	Total/NA
Phenanthrene	1.0		0.59	0.083	mg/Kg	10	☼	8270D	Total/NA
Pyrene	1.5		0.59	0.12	mg/Kg	10	☼	8270D	Total/NA
1-Methylnaphthalene	0.20	J	1.2	0.15	mg/Kg	10	☼	8270D	Total/NA
2-Methylnaphthalene	0.33	J	1.2	0.11	mg/Kg	10	☼	8270D	Total/NA
Arsenic	9.4		1.8	0.62	mg/Kg	1	☼	6010B	Total/NA
Barium	230		1.8	0.21	mg/Kg	1	☼	6010B	Total/NA
Cadmium	1.1	B	0.36	0.065	mg/Kg	1	☼	6010B	Total/NA
Chromium	29		1.8	0.89	mg/Kg	1	☼	6010B	Total/NA
Lead	370		0.90	0.42	mg/Kg	1	☼	6010B	Total/NA
Selenium	1.1	J B	1.8	1.1	mg/Kg	1	☼	6010B	Total/NA
Silver	2.3		0.90	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.0096	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Lead	0.013	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Mercury	2.8		0.14	0.048	mg/Kg	5	☼	7471B	Total/NA

Client Sample ID: Solid Sample #16

Lab Sample ID: 500-167425-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.80		0.53	0.095	mg/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	4.3		0.53	0.071	mg/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	2.8		0.53	0.10	mg/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	3.3		0.53	0.11	mg/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.83		0.53	0.17	mg/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	2.6		0.53	0.16	mg/Kg	10	☼	8270D	Total/NA
Chrysene	4.7		0.53	0.14	mg/Kg	10	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.30	J	0.53	0.10	mg/Kg	10	☼	8270D	Total/NA
Fluoranthene	8.4		0.53	0.098	mg/Kg	10	☼	8270D	Total/NA
Fluorene	1.5		0.53	0.074	mg/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.85		0.53	0.14	mg/Kg	10	☼	8270D	Total/NA
Naphthalene	2.2		0.53	0.082	mg/Kg	10	☼	8270D	Total/NA
Phenanthrene	9.3		0.53	0.074	mg/Kg	10	☼	8270D	Total/NA
Pyrene	7.0		0.53	0.11	mg/Kg	10	☼	8270D	Total/NA
1-Methylnaphthalene	3.7		1.1	0.13	mg/Kg	10	☼	8270D	Total/NA
2-Methylnaphthalene	4.5		1.1	0.097	mg/Kg	10	☼	8270D	Total/NA
Arsenic	13		7.6	2.6	mg/Kg	5	☼	6010B	Total/NA
Barium	4000		7.6	0.87	mg/Kg	5	☼	6010B	Total/NA
Cadmium	9.9	B	1.5	0.27	mg/Kg	5	☼	6010B	Total/NA
Chromium	350		7.6	3.8	mg/Kg	5	☼	6010B	Total/NA
Lead	2000		0.76	0.35	mg/Kg	1	☼	6010B	Total/NA
Selenium	2.6	B	1.5	0.90	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

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

Job ID: 500-167425-1

Client Sample ID: Solid Sample #16 (Continued)

Lab Sample ID: 500-167425-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Silver	1.6		0.76	0.20	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.0061	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Barium	0.067	J	0.50	0.050	mg/L	1		6020A	ASTM Leach
Lead	0.011	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Mercury	5.4		0.52	0.17	mg/Kg	20	☼	7471B	Total/NA

Client Sample ID: Solid Sample #17

Lab Sample ID: 500-167425-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.69	J	0.71	0.13	mg/Kg	10	☼	8270D	Total/NA
Anthracene	1.9		0.71	0.12	mg/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	5.1		0.71	0.096	mg/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	4.0		0.71	0.14	mg/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	5.4		0.71	0.15	mg/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1.2		0.71	0.23	mg/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	2.2		0.71	0.21	mg/Kg	10	☼	8270D	Total/NA
Chrysene	4.8		0.71	0.20	mg/Kg	10	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.36	J	0.71	0.14	mg/Kg	10	☼	8270D	Total/NA
Fluoranthene	12		0.71	0.13	mg/Kg	10	☼	8270D	Total/NA
Fluorene	0.84		0.71	0.10	mg/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1.2		0.71	0.19	mg/Kg	10	☼	8270D	Total/NA
Naphthalene	0.22	J	0.71	0.11	mg/Kg	10	☼	8270D	Total/NA
Phenanthrene	6.4		0.71	0.10	mg/Kg	10	☼	8270D	Total/NA
Pyrene	9.1		0.71	0.14	mg/Kg	10	☼	8270D	Total/NA
1-Methylnaphthalene	0.25	J	1.4	0.18	mg/Kg	10	☼	8270D	Total/NA
2-Methylnaphthalene	0.33	J	1.4	0.13	mg/Kg	10	☼	8270D	Total/NA
Arsenic	7.4		2.1	0.71	mg/Kg	1	☼	6010B	Total/NA
Barium	470		2.1	0.24	mg/Kg	1	☼	6010B	Total/NA
Cadmium	2.4	B	0.42	0.075	mg/Kg	1	☼	6010B	Total/NA
Chromium	100		2.1	1.0	mg/Kg	1	☼	6010B	Total/NA
Lead	570		1.0	0.48	mg/Kg	1	☼	6010B	Total/NA
Selenium	2.5	B	2.1	1.2	mg/Kg	1	☼	6010B	Total/NA
Silver	2.2		1.0	0.27	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.0054	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Lead	0.0042	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Mercury	0.89		0.033	0.011	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: Silho Clay

Lab Sample ID: 500-167425-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.1		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Barium	93		1.1	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.21	B	0.21	0.038	mg/Kg	1	☼	6010B	Total/NA
Chromium	16		1.1	0.52	mg/Kg	1	☼	6010B	Total/NA
Lead	9.1		0.53	0.24	mg/Kg	1	☼	6010B	Total/NA
Silver	3.2		0.53	0.14	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.0033	J	0.050	0.0020	mg/L	1		6020A	ASTM Leach
Mercury	0.012	J	0.018	0.0061	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Method Summary

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

Job ID: 500-167425-1

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
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3010A	Preparation, Total Metals	SW846	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
7470A	Preparation, Mercury	SW846	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI
D3987-85	ASTM Leaching Procedure	ASTM	TAL CHI

Protocol References:

ASTM = ASTM International

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
Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-167425-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-167425-1	Solid Sample #15	Solid	07/26/19 00:00	07/27/19 09:10	
500-167425-2	Solid Sample #16	Solid	07/26/19 00:00	07/27/19 09:10	
500-167425-3	Solid Sample #17	Solid	07/26/19 00:00	07/27/19 09:10	
500-167425-4	Silho Clay	Solid	07/26/19 00:00	07/27/19 09:10	

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Client Sample Results

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

Job ID: 500-167425-1

Client Sample ID: Solid Sample #15

Lab Sample ID: 500-167425-1

Date Collected: 07/26/19 00:00

Matrix: Solid

Date Received: 07/27/19 09:10

Percent Solids: 54.4

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.11	J	0.59	0.11	mg/Kg	☼	07/29/19 18:56	07/30/19 16:29	10
Acenaphthylene	0.11	J	0.59	0.079	mg/Kg	☼	07/29/19 18:56	07/30/19 16:29	10
Anthracene	0.18	J	0.59	0.099	mg/Kg	☼	07/29/19 18:56	07/30/19 16:29	10
Benzo[a]anthracene	0.64		0.59	0.080	mg/Kg	☼	07/29/19 18:56	07/30/19 16:29	10
Benzo[a]pyrene	0.48	J	0.59	0.12	mg/Kg	☼	07/29/19 18:56	07/30/19 16:29	10
Benzo[b]fluoranthene	0.73		0.59	0.13	mg/Kg	☼	07/29/19 18:56	07/30/19 16:29	10
Benzo[g,h,i]perylene	<0.19		0.59	0.19	mg/Kg	☼	07/29/19 18:56	07/30/19 16:29	10
Benzo[k]fluoranthene	0.25	J	0.59	0.18	mg/Kg	☼	07/29/19 18:56	07/30/19 16:29	10
Chrysene	1.0		0.59	0.16	mg/Kg	☼	07/29/19 18:56	07/30/19 16:29	10
Dibenz(a,h)anthracene	<0.12		0.59	0.12	mg/Kg	☼	07/29/19 18:56	07/30/19 16:29	10
Fluoranthene	1.5		0.59	0.11	mg/Kg	☼	07/29/19 18:56	07/30/19 16:29	10
Fluorene	0.097	J	0.59	0.084	mg/Kg	☼	07/29/19 18:56	07/30/19 16:29	10
Indeno[1,2,3-cd]pyrene	0.22	J	0.59	0.15	mg/Kg	☼	07/29/19 18:56	07/30/19 16:29	10
Naphthalene	<0.092		0.59	0.092	mg/Kg	☼	07/29/19 18:56	07/30/19 16:29	10
Phenanthrene	1.0		0.59	0.083	mg/Kg	☼	07/29/19 18:56	07/30/19 16:29	10
Pyrene	1.5		0.59	0.12	mg/Kg	☼	07/29/19 18:56	07/30/19 16:29	10
1-Methylnaphthalene	0.20	J	1.2	0.15	mg/Kg	☼	07/29/19 18:56	07/30/19 16:29	10
2-Methylnaphthalene	0.33	J	1.2	0.11	mg/Kg	☼	07/29/19 18:56	07/30/19 16:29	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	98		37 - 147	07/29/19 18:56	07/30/19 16:29	10
Terphenyl-d14 (Surr)	100		42 - 157	07/29/19 18:56	07/30/19 16:29	10
2-Fluorobiphenyl (Surr)	86		43 - 145	07/29/19 18:56	07/30/19 16:29	10

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		08/01/19 16:09	08/02/19 12:30	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 12:30	1
Anthracene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 12:30	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		08/01/19 16:09	08/02/19 12:30	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		08/01/19 16:09	08/02/19 12:30	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		08/01/19 16:09	08/02/19 12:30	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		08/01/19 16:09	08/02/19 12:30	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		08/01/19 16:09	08/02/19 12:30	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		08/01/19 16:09	08/02/19 12:30	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		08/01/19 16:09	08/02/19 12:30	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 12:30	1
Fluorene	<0.0038		0.010	0.0038	mg/L		08/01/19 16:09	08/02/19 12:30	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		08/01/19 16:09	08/02/19 12:30	1
Naphthalene	<0.0030		0.010	0.0030	mg/L		08/01/19 16:09	08/02/19 12:30	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		08/01/19 16:09	08/02/19 12:30	1
Pyrene	<0.0048		0.010	0.0048	mg/L		08/01/19 16:09	08/02/19 12:30	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		08/01/19 16:09	08/02/19 12:30	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		08/01/19 16:09	08/02/19 12:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	111		36 - 120	08/01/19 16:09	08/02/19 12:30	1
Terphenyl-d14 (Surr)	112		40 - 145	08/01/19 16:09	08/02/19 12:30	1
2-Fluorobiphenyl (Surr)	97		34 - 110	08/01/19 16:09	08/02/19 12:30	1

Euofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-167425-1

Client Sample ID: Solid Sample #15

Lab Sample ID: 500-167425-1

Date Collected: 07/26/19 00:00

Matrix: Solid

Date Received: 07/27/19 09:10

Percent Solids: 54.4

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.11		0.30	0.11	mg/Kg	☼	07/29/19 08:25	07/29/19 20:18	10
PCB-1221	<0.13		0.30	0.13	mg/Kg	☼	07/29/19 08:25	07/29/19 20:18	10
PCB-1232	<0.13		0.30	0.13	mg/Kg	☼	07/29/19 08:25	07/29/19 20:18	10
PCB-1242	<0.10		0.30	0.10	mg/Kg	☼	07/29/19 08:25	07/29/19 20:18	10
PCB-1248	<0.12		0.30	0.12	mg/Kg	☼	07/29/19 08:25	07/29/19 20:18	10
PCB-1254	<0.065		0.30	0.065	mg/Kg	☼	07/29/19 08:25	07/29/19 20:18	10
PCB-1260	<0.15		0.30	0.15	mg/Kg	☼	07/29/19 08:25	07/29/19 20:18	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	114		49 - 129	07/29/19 08:25	07/29/19 20:18	10
DCB Decachlorobiphenyl	109		37 - 121	07/29/19 08:25	07/29/19 20:18	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.4		1.8	0.62	mg/Kg	☼	07/30/19 08:35	07/30/19 23:37	1
Barium	230		1.8	0.21	mg/Kg	☼	07/30/19 08:35	07/30/19 23:37	1
Cadmium	1.1	B	0.36	0.065	mg/Kg	☼	07/30/19 08:35	07/30/19 23:37	1
Chromium	29		1.8	0.89	mg/Kg	☼	07/30/19 08:35	07/30/19 23:37	1
Lead	370		0.90	0.42	mg/Kg	☼	07/30/19 08:35	07/30/19 23:37	1
Selenium	1.1	J B	1.8	1.1	mg/Kg	☼	07/30/19 08:35	07/30/19 23:37	1
Silver	2.3		0.90	0.23	mg/Kg	☼	07/30/19 08:35	07/30/19 23:37	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0096	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 12:36	1
Barium	<0.050		0.50	0.050	mg/L		07/30/19 14:34	07/31/19 12:36	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/30/19 14:34	07/31/19 12:36	1
Chromium	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 12:36	1
Lead	0.013	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 12:36	1
Selenium	<0.010		0.050	0.010	mg/L		07/30/19 14:34	07/31/19 12:36	1
Silver	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 12:36	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 08:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.8		0.14	0.048	mg/Kg	☼	07/30/19 14:15	07/31/19 12:41	5

Client Sample Results

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

Job ID: 500-167425-1

Client Sample ID: Solid Sample #16

Lab Sample ID: 500-167425-2

Date Collected: 07/26/19 00:00

Matrix: Solid

Date Received: 07/27/19 09:10

Percent Solids: 61.2

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.80		0.53	0.095	mg/Kg	☼	07/29/19 18:56	07/30/19 16:59	10
Acenaphthylene	<0.070		0.53	0.070	mg/Kg	☼	07/29/19 18:56	07/30/19 16:59	10
Anthracene	<0.089		0.53	0.089	mg/Kg	☼	07/29/19 18:56	07/30/19 16:59	10
Benzo[a]anthracene	4.3		0.53	0.071	mg/Kg	☼	07/29/19 18:56	07/30/19 16:59	10
Benzo[a]pyrene	2.8		0.53	0.10	mg/Kg	☼	07/29/19 18:56	07/30/19 16:59	10
Benzo[b]fluoranthene	3.3		0.53	0.11	mg/Kg	☼	07/29/19 18:56	07/30/19 16:59	10
Benzo[g,h,i]perylene	0.83		0.53	0.17	mg/Kg	☼	07/29/19 18:56	07/30/19 16:59	10
Benzo[k]fluoranthene	2.6		0.53	0.16	mg/Kg	☼	07/29/19 18:56	07/30/19 16:59	10
Chrysene	4.7		0.53	0.14	mg/Kg	☼	07/29/19 18:56	07/30/19 16:59	10
Dibenz(a,h)anthracene	0.30	J	0.53	0.10	mg/Kg	☼	07/29/19 18:56	07/30/19 16:59	10
Fluoranthene	8.4		0.53	0.098	mg/Kg	☼	07/29/19 18:56	07/30/19 16:59	10
Fluorene	1.5		0.53	0.074	mg/Kg	☼	07/29/19 18:56	07/30/19 16:59	10
Indeno[1,2,3-cd]pyrene	0.85		0.53	0.14	mg/Kg	☼	07/29/19 18:56	07/30/19 16:59	10
Naphthalene	2.2		0.53	0.082	mg/Kg	☼	07/29/19 18:56	07/30/19 16:59	10
Phenanthrene	9.3		0.53	0.074	mg/Kg	☼	07/29/19 18:56	07/30/19 16:59	10
Pyrene	7.0		0.53	0.11	mg/Kg	☼	07/29/19 18:56	07/30/19 16:59	10
1-Methylnaphthalene	3.7		1.1	0.13	mg/Kg	☼	07/29/19 18:56	07/30/19 16:59	10
2-Methylnaphthalene	4.5		1.1	0.097	mg/Kg	☼	07/29/19 18:56	07/30/19 16:59	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	189	X	37 - 147	07/29/19 18:56	07/30/19 16:59	10
Terphenyl-d14 (Surr)	119		42 - 157	07/29/19 18:56	07/30/19 16:59	10
2-Fluorobiphenyl (Surr)	93		43 - 145	07/29/19 18:56	07/30/19 16:59	10

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		08/01/19 16:09	08/02/19 12:56	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 12:56	1
Anthracene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 12:56	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		08/01/19 16:09	08/02/19 12:56	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		08/01/19 16:09	08/02/19 12:56	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		08/01/19 16:09	08/02/19 12:56	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		08/01/19 16:09	08/02/19 12:56	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		08/01/19 16:09	08/02/19 12:56	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		08/01/19 16:09	08/02/19 12:56	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		08/01/19 16:09	08/02/19 12:56	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 12:56	1
Fluorene	<0.0038		0.010	0.0038	mg/L		08/01/19 16:09	08/02/19 12:56	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		08/01/19 16:09	08/02/19 12:56	1
Naphthalene	<0.0030		0.010	0.0030	mg/L		08/01/19 16:09	08/02/19 12:56	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		08/01/19 16:09	08/02/19 12:56	1
Pyrene	<0.0048		0.010	0.0048	mg/L		08/01/19 16:09	08/02/19 12:56	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		08/01/19 16:09	08/02/19 12:56	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		08/01/19 16:09	08/02/19 12:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	101		36 - 120	08/01/19 16:09	08/02/19 12:56	1
Terphenyl-d14 (Surr)	99		40 - 145	08/01/19 16:09	08/02/19 12:56	1
2-Fluorobiphenyl (Surr)	87		34 - 110	08/01/19 16:09	08/02/19 12:56	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-167425-1

Client Sample ID: Solid Sample #16

Lab Sample ID: 500-167425-2

Date Collected: 07/26/19 00:00

Matrix: Solid

Date Received: 07/27/19 09:10

Percent Solids: 61.2

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.094		0.26	0.094	mg/Kg	☼	07/29/19 08:25	07/29/19 20:33	10
PCB-1221	<0.12		0.26	0.12	mg/Kg	☼	07/29/19 08:25	07/29/19 20:33	10
PCB-1232	<0.12		0.26	0.12	mg/Kg	☼	07/29/19 08:25	07/29/19 20:33	10
PCB-1242	<0.087		0.26	0.087	mg/Kg	☼	07/29/19 08:25	07/29/19 20:33	10
PCB-1248	<0.10		0.26	0.10	mg/Kg	☼	07/29/19 08:25	07/29/19 20:33	10
PCB-1254	<0.057		0.26	0.057	mg/Kg	☼	07/29/19 08:25	07/29/19 20:33	10
PCB-1260	<0.13		0.26	0.13	mg/Kg	☼	07/29/19 08:25	07/29/19 20:33	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	116		49 - 129	07/29/19 08:25	07/29/19 20:33	10
DCB Decachlorobiphenyl	104		37 - 121	07/29/19 08:25	07/29/19 20:33	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13		7.6	2.6	mg/Kg	☼	07/30/19 08:35	07/31/19 11:57	5
Barium	4000		7.6	0.87	mg/Kg	☼	07/30/19 08:35	07/31/19 11:57	5
Cadmium	9.9	B	1.5	0.27	mg/Kg	☼	07/30/19 08:35	07/31/19 11:57	5
Chromium	350		7.6	3.8	mg/Kg	☼	07/30/19 08:35	07/31/19 11:57	5
Lead	2000		0.76	0.35	mg/Kg	☼	07/30/19 08:35	07/30/19 23:41	1
Selenium	2.6	B	1.5	0.90	mg/Kg	☼	07/30/19 08:35	07/30/19 23:41	1
Silver	1.6		0.76	0.20	mg/Kg	☼	07/30/19 08:35	07/30/19 23:41	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0061	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 12:40	1
Barium	0.067	J	0.50	0.050	mg/L		07/30/19 14:34	07/31/19 12:40	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/30/19 14:34	07/31/19 12:40	1
Chromium	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 12:40	1
Lead	0.011	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 12:40	1
Selenium	<0.010		0.050	0.010	mg/L		07/30/19 14:34	07/31/19 12:40	1
Silver	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 12:40	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 08:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	5.4		0.52	0.17	mg/Kg	☼	07/30/19 14:15	07/31/19 12:43	20

Client Sample Results

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

Job ID: 500-167425-1

Client Sample ID: Solid Sample #17

Lab Sample ID: 500-167425-3

Date Collected: 07/26/19 00:00

Matrix: Solid

Date Received: 07/27/19 09:10

Percent Solids: 44.7

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.69	J	0.71	0.13	mg/Kg	☼	07/29/19 18:56	07/30/19 17:28	10
Acenaphthylene	<0.095		0.71	0.095	mg/Kg	☼	07/29/19 18:56	07/30/19 17:28	10
Anthracene	1.9		0.71	0.12	mg/Kg	☼	07/29/19 18:56	07/30/19 17:28	10
Benzo[a]anthracene	5.1		0.71	0.096	mg/Kg	☼	07/29/19 18:56	07/30/19 17:28	10
Benzo[a]pyrene	4.0		0.71	0.14	mg/Kg	☼	07/29/19 18:56	07/30/19 17:28	10
Benzo[b]fluoranthene	5.4		0.71	0.15	mg/Kg	☼	07/29/19 18:56	07/30/19 17:28	10
Benzo[g,h,i]perylene	1.2		0.71	0.23	mg/Kg	☼	07/29/19 18:56	07/30/19 17:28	10
Benzo[k]fluoranthene	2.2		0.71	0.21	mg/Kg	☼	07/29/19 18:56	07/30/19 17:28	10
Chrysene	4.8		0.71	0.20	mg/Kg	☼	07/29/19 18:56	07/30/19 17:28	10
Dibenz(a,h)anthracene	0.36	J	0.71	0.14	mg/Kg	☼	07/29/19 18:56	07/30/19 17:28	10
Fluoranthene	12		0.71	0.13	mg/Kg	☼	07/29/19 18:56	07/30/19 17:28	10
Fluorene	0.84		0.71	0.10	mg/Kg	☼	07/29/19 18:56	07/30/19 17:28	10
Indeno[1,2,3-cd]pyrene	1.2		0.71	0.19	mg/Kg	☼	07/29/19 18:56	07/30/19 17:28	10
Naphthalene	0.22	J	0.71	0.11	mg/Kg	☼	07/29/19 18:56	07/30/19 17:28	10
Phenanthrene	6.4		0.71	0.10	mg/Kg	☼	07/29/19 18:56	07/30/19 17:28	10
Pyrene	9.1		0.71	0.14	mg/Kg	☼	07/29/19 18:56	07/30/19 17:28	10
1-Methylnaphthalene	0.25	J	1.4	0.18	mg/Kg	☼	07/29/19 18:56	07/30/19 17:28	10
2-Methylnaphthalene	0.33	J	1.4	0.13	mg/Kg	☼	07/29/19 18:56	07/30/19 17:28	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	72		37 - 147	07/29/19 18:56	07/30/19 17:28	10
Terphenyl-d14 (Surr)	104		42 - 157	07/29/19 18:56	07/30/19 17:28	10
2-Fluorobiphenyl (Surr)	85		43 - 145	07/29/19 18:56	07/30/19 17:28	10

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		08/01/19 16:09	08/02/19 13:23	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 13:23	1
Anthracene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 13:23	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		08/01/19 16:09	08/02/19 13:23	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		08/01/19 16:09	08/02/19 13:23	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		08/01/19 16:09	08/02/19 13:23	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		08/01/19 16:09	08/02/19 13:23	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		08/01/19 16:09	08/02/19 13:23	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		08/01/19 16:09	08/02/19 13:23	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		08/01/19 16:09	08/02/19 13:23	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 13:23	1
Fluorene	<0.0038		0.010	0.0038	mg/L		08/01/19 16:09	08/02/19 13:23	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		08/01/19 16:09	08/02/19 13:23	1
Naphthalene	<0.0030		0.010	0.0030	mg/L		08/01/19 16:09	08/02/19 13:23	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		08/01/19 16:09	08/02/19 13:23	1
Pyrene	<0.0048		0.010	0.0048	mg/L		08/01/19 16:09	08/02/19 13:23	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		08/01/19 16:09	08/02/19 13:23	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		08/01/19 16:09	08/02/19 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	99		36 - 120	08/01/19 16:09	08/02/19 13:23	1
Terphenyl-d14 (Surr)	104		40 - 145	08/01/19 16:09	08/02/19 13:23	1
2-Fluorobiphenyl (Surr)	89		34 - 110	08/01/19 16:09	08/02/19 13:23	1

Euofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-167425-1

Client Sample ID: Solid Sample #17

Lab Sample ID: 500-167425-3

Date Collected: 07/26/19 00:00

Matrix: Solid

Date Received: 07/27/19 09:10

Percent Solids: 44.7

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.13		0.37	0.13	mg/Kg	☼	07/29/19 08:25	07/29/19 20:49	10
PCB-1221	<0.16		0.37	0.16	mg/Kg	☼	07/29/19 08:25	07/29/19 20:49	10
PCB-1232	<0.16		0.37	0.16	mg/Kg	☼	07/29/19 08:25	07/29/19 20:49	10
PCB-1242	<0.12		0.37	0.12	mg/Kg	☼	07/29/19 08:25	07/29/19 20:49	10
PCB-1248	<0.14		0.37	0.14	mg/Kg	☼	07/29/19 08:25	07/29/19 20:49	10
PCB-1254	<0.079		0.37	0.079	mg/Kg	☼	07/29/19 08:25	07/29/19 20:49	10
PCB-1260	<0.18		0.37	0.18	mg/Kg	☼	07/29/19 08:25	07/29/19 20:49	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	88		49 - 129	07/29/19 08:25	07/29/19 20:49	10
DCB Decachlorobiphenyl	104		37 - 121	07/29/19 08:25	07/29/19 20:49	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.4		2.1	0.71	mg/Kg	☼	07/30/19 08:35	07/30/19 23:54	1
Barium	470		2.1	0.24	mg/Kg	☼	07/30/19 08:35	07/30/19 23:54	1
Cadmium	2.4	B	0.42	0.075	mg/Kg	☼	07/30/19 08:35	07/30/19 23:54	1
Chromium	100		2.1	1.0	mg/Kg	☼	07/30/19 08:35	07/30/19 23:54	1
Lead	570		1.0	0.48	mg/Kg	☼	07/30/19 08:35	07/30/19 23:54	1
Selenium	2.5	B	2.1	1.2	mg/Kg	☼	07/30/19 08:35	07/30/19 23:54	1
Silver	2.2		1.0	0.27	mg/Kg	☼	07/30/19 08:35	07/30/19 23:54	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0054	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 12:43	1
Barium	<0.050		0.50	0.050	mg/L		07/30/19 14:34	07/31/19 12:43	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/30/19 14:34	07/31/19 12:43	1
Chromium	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 12:43	1
Lead	0.0042	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 12:43	1
Selenium	<0.010		0.050	0.010	mg/L		07/30/19 14:34	07/31/19 12:43	1
Silver	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 12:43	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 08:53	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.89		0.033	0.011	mg/Kg	☼	07/30/19 14:15	07/31/19 12:03	1

Client Sample Results

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

Job ID: 500-167425-1

Client Sample ID: Silho Clay

Lab Sample ID: 500-167425-4

Date Collected: 07/26/19 00:00

Matrix: Solid

Date Received: 07/27/19 09:10

Percent Solids: 85.8

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0067		0.037	0.0067	mg/Kg	☼	07/29/19 18:56	07/30/19 15:59	1
Acenaphthylene	<0.0049		0.037	0.0049	mg/Kg	☼	07/29/19 18:56	07/30/19 15:59	1
Anthracene	<0.0062		0.037	0.0062	mg/Kg	☼	07/29/19 18:56	07/30/19 15:59	1
Benzo[a]anthracene	<0.0050		0.037	0.0050	mg/Kg	☼	07/29/19 18:56	07/30/19 15:59	1
Benzo[a]pyrene	<0.0072		0.037	0.0072	mg/Kg	☼	07/29/19 18:56	07/30/19 15:59	1
Benzo[b]fluoranthene	<0.0080		0.037	0.0080	mg/Kg	☼	07/29/19 18:56	07/30/19 15:59	1
Benzo[g,h,i]perylene	<0.012		0.037	0.012	mg/Kg	☼	07/29/19 18:56	07/30/19 15:59	1
Benzo[k]fluoranthene	<0.011		0.037	0.011	mg/Kg	☼	07/29/19 18:56	07/30/19 15:59	1
Chrysene	<0.010		0.037	0.010	mg/Kg	☼	07/29/19 18:56	07/30/19 15:59	1
Dibenz(a,h)anthracene	<0.0072		0.037	0.0072	mg/Kg	☼	07/29/19 18:56	07/30/19 15:59	1
Fluoranthene	<0.0069		0.037	0.0069	mg/Kg	☼	07/29/19 18:56	07/30/19 15:59	1
Fluorene	<0.0052		0.037	0.0052	mg/Kg	☼	07/29/19 18:56	07/30/19 15:59	1
Indeno[1,2,3-cd]pyrene	<0.0097		0.037	0.0097	mg/Kg	☼	07/29/19 18:56	07/30/19 15:59	1
Naphthalene	<0.0057		0.037	0.0057	mg/Kg	☼	07/29/19 18:56	07/30/19 15:59	1
Phenanthrene	<0.0052		0.037	0.0052	mg/Kg	☼	07/29/19 18:56	07/30/19 15:59	1
Pyrene	<0.0074		0.037	0.0074	mg/Kg	☼	07/29/19 18:56	07/30/19 15:59	1
1-Methylnaphthalene	<0.0091		0.075	0.0091	mg/Kg	☼	07/29/19 18:56	07/30/19 15:59	1
2-Methylnaphthalene	<0.0069		0.075	0.0069	mg/Kg	☼	07/29/19 18:56	07/30/19 15:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	61		37 - 147	07/29/19 18:56	07/30/19 15:59	1
Terphenyl-d14 (Surr)	94		42 - 157	07/29/19 18:56	07/30/19 15:59	1
2-Fluorobiphenyl (Surr)	72		43 - 145	07/29/19 18:56	07/30/19 15:59	1

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		08/01/19 16:12	08/02/19 13:50	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:12	08/02/19 13:50	1
Anthracene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:12	08/02/19 13:50	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		08/01/19 16:12	08/02/19 13:50	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		08/01/19 16:12	08/02/19 13:50	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		08/01/19 16:12	08/02/19 13:50	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		08/01/19 16:12	08/02/19 13:50	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		08/01/19 16:12	08/02/19 13:50	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		08/01/19 16:12	08/02/19 13:50	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		08/01/19 16:12	08/02/19 13:50	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:12	08/02/19 13:50	1
Fluorene	<0.0038		0.010	0.0038	mg/L		08/01/19 16:12	08/02/19 13:50	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		08/01/19 16:12	08/02/19 13:50	1
Naphthalene	<0.0030		0.010	0.0030	mg/L		08/01/19 16:12	08/02/19 13:50	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		08/01/19 16:12	08/02/19 13:50	1
Pyrene	<0.0048		0.010	0.0048	mg/L		08/01/19 16:12	08/02/19 13:50	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		08/01/19 16:12	08/02/19 13:50	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		08/01/19 16:12	08/02/19 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	107		36 - 120	08/01/19 16:12	08/02/19 13:50	1
Terphenyl-d14 (Surr)	107		40 - 145	08/01/19 16:12	08/02/19 13:50	1
2-Fluorobiphenyl (Surr)	90		34 - 110	08/01/19 16:12	08/02/19 13:50	1

Eurolins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-167425-1

Client Sample ID: Silho Clay

Lab Sample ID: 500-167425-4

Date Collected: 07/26/19 00:00

Matrix: Solid

Date Received: 07/27/19 09:10

Percent Solids: 85.8

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 21:04	10
PCB-1221	<0.084		0.19	0.084	mg/Kg	☼	07/29/19 08:25	07/29/19 21:04	10
PCB-1232	<0.083		0.19	0.083	mg/Kg	☼	07/29/19 08:25	07/29/19 21:04	10
PCB-1242	<0.063		0.19	0.063	mg/Kg	☼	07/29/19 08:25	07/29/19 21:04	10
PCB-1248	<0.075		0.19	0.075	mg/Kg	☼	07/29/19 08:25	07/29/19 21:04	10
PCB-1254	<0.041		0.19	0.041	mg/Kg	☼	07/29/19 08:25	07/29/19 21:04	10
PCB-1260	<0.094		0.19	0.094	mg/Kg	☼	07/29/19 08:25	07/29/19 21:04	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	67		49 - 129	07/29/19 08:25	07/29/19 21:04	10
DCB Decachlorobiphenyl	103		37 - 121	07/29/19 08:25	07/29/19 21:04	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.1		1.1	0.36	mg/Kg	☼	07/30/19 08:35	07/30/19 23:58	1
Barium	93		1.1	0.12	mg/Kg	☼	07/30/19 08:35	07/30/19 23:58	1
Cadmium	0.21	B	0.21	0.038	mg/Kg	☼	07/30/19 08:35	07/30/19 23:58	1
Chromium	16		1.1	0.52	mg/Kg	☼	07/30/19 08:35	07/30/19 23:58	1
Lead	9.1		0.53	0.24	mg/Kg	☼	07/30/19 08:35	07/30/19 23:58	1
Selenium	<0.62		1.1	0.62	mg/Kg	☼	07/30/19 08:35	07/30/19 23:58	1
Silver	3.2		0.53	0.14	mg/Kg	☼	07/30/19 08:35	07/30/19 23:58	1

Method: 6020A - Metals (ICP/MS) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0033	J	0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 12:47	1
Barium	<0.050		0.50	0.050	mg/L		07/30/19 14:34	07/31/19 12:47	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/30/19 14:34	07/31/19 12:47	1
Chromium	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 12:47	1
Lead	<0.0020		0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 12:47	1
Selenium	<0.010		0.050	0.010	mg/L		07/30/19 14:34	07/31/19 12:47	1
Silver	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 12:47	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 08:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	J	0.018	0.0061	mg/Kg	☼	07/30/19 14:15	07/31/19 12:06	1

Definitions/Glossary

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

Job ID: 500-167425-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
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
B	Compound was found in the blank and sample.
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.
α	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
 Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-167425-1

GC/MS Semi VOA

Leach Batch: 497166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167425-1	Solid Sample #15	ASTM Leach	Solid	D3987-85	
500-167425-2	Solid Sample #16	ASTM Leach	Solid	D3987-85	
500-167425-3	Solid Sample #17	ASTM Leach	Solid	D3987-85	
500-167425-4	Silho Clay	ASTM Leach	Solid	D3987-85	
LB3 500-497166/1-E	Method Blank	ASTM Leach	Solid	D3987-85	

Prep Batch: 497205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167425-1	Solid Sample #15	Total/NA	Solid	3541	
500-167425-2	Solid Sample #16	Total/NA	Solid	3541	
500-167425-3	Solid Sample #17	Total/NA	Solid	3541	
500-167425-4	Silho Clay	Total/NA	Solid	3541	
MB 500-497205/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-497205/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 497274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-497205/1-A	Method Blank	Total/NA	Solid	8270D	497205
LCS 500-497205/2-A	Lab Control Sample	Total/NA	Solid	8270D	497205

Analysis Batch: 497280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167425-1	Solid Sample #15	Total/NA	Solid	8270D	497205
500-167425-2	Solid Sample #16	Total/NA	Solid	8270D	497205
500-167425-3	Solid Sample #17	Total/NA	Solid	8270D	497205
500-167425-4	Silho Clay	Total/NA	Solid	8270D	497205

Prep Batch: 497843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167425-1	Solid Sample #15	ASTM Leach	Solid	3510C	497166
500-167425-2	Solid Sample #16	ASTM Leach	Solid	3510C	497166
500-167425-3	Solid Sample #17	ASTM Leach	Solid	3510C	497166
500-167425-4	Silho Clay	ASTM Leach	Solid	3510C	497166
LB3 500-497166/1-E	Method Blank	ASTM Leach	Solid	3510C	497166
MB 500-497843/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 500-497843/2-A	Lab Control Sample	Total/NA	Solid	3510C	

Analysis Batch: 497913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167425-1	Solid Sample #15	ASTM Leach	Solid	8270D	497843
500-167425-2	Solid Sample #16	ASTM Leach	Solid	8270D	497843
500-167425-3	Solid Sample #17	ASTM Leach	Solid	8270D	497843
500-167425-4	Silho Clay	ASTM Leach	Solid	8270D	497843
LB3 500-497166/1-E	Method Blank	ASTM Leach	Solid	8270D	497843
MB 500-497843/1-A	Method Blank	Total/NA	Solid	8270D	497843
LCS 500-497843/2-A	Lab Control Sample	Total/NA	Solid	8270D	497843

QC Association Summary

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

Job ID: 500-167425-1

GC Semi VOA

Prep Batch: 497084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167425-1	Solid Sample #15	Total/NA	Solid	3541	
500-167425-2	Solid Sample #16	Total/NA	Solid	3541	
500-167425-3	Solid Sample #17	Total/NA	Solid	3541	
500-167425-4	Silho Clay	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	

Analysis Batch: 497105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167425-1	Solid Sample #15	Total/NA	Solid	8082A	497084
500-167425-2	Solid Sample #16	Total/NA	Solid	8082A	497084
500-167425-3	Solid Sample #17	Total/NA	Solid	8082A	497084
500-167425-4	Silho Clay	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

Metals

Leach Batch: 497166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167425-1	Solid Sample #15	ASTM Leach	Solid	D3987-85	
500-167425-2	Solid Sample #16	ASTM Leach	Solid	D3987-85	
500-167425-3	Solid Sample #17	ASTM Leach	Solid	D3987-85	
500-167425-4	Silho Clay	ASTM Leach	Solid	D3987-85	
LB3 500-497166/1-B	Method Blank	ASTM Leach	Solid	D3987-85	
LB3 500-497166/1-C	Method Blank	ASTM Leach	Solid	D3987-85	

Prep Batch: 497291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167425-1	Solid Sample #15	Total/NA	Solid	3050B	
500-167425-2	Solid Sample #16	Total/NA	Solid	3050B	
500-167425-3	Solid Sample #17	Total/NA	Solid	3050B	
500-167425-4	Silho Clay	Total/NA	Solid	3050B	
MB 500-497291/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-497291/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 497318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167425-1	Solid Sample #15	Total/NA	Solid	7471B	
500-167425-2	Solid Sample #16	Total/NA	Solid	7471B	
500-167425-3	Solid Sample #17	Total/NA	Solid	7471B	
500-167425-4	Silho Clay	Total/NA	Solid	7471B	
MB 500-497318/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-497318/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 497387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167425-1	Solid Sample #15	ASTM Leach	Solid	3010A	497166
500-167425-2	Solid Sample #16	ASTM Leach	Solid	3010A	497166
500-167425-3	Solid Sample #17	ASTM Leach	Solid	3010A	497166
500-167425-4	Silho Clay	ASTM Leach	Solid	3010A	497166

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QC Association Summary

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

Job ID: 500-167425-1

Metals (Continued)

Prep Batch: 497387 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 500-497166/1-B	Method Blank	ASTM Leach	Solid	3010A	497166
LCS 500-497387/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 497400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167425-1	Solid Sample #15	ASTM Leach	Solid	7470A	497166
500-167425-2	Solid Sample #16	ASTM Leach	Solid	7470A	497166
500-167425-3	Solid Sample #17	ASTM Leach	Solid	7470A	497166
500-167425-4	Silho Clay	ASTM Leach	Solid	7470A	497166
LB3 500-497166/1-C	Method Blank	ASTM Leach	Solid	7470A	497166
MB 500-497400/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-497400/13-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 497471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167425-1	Solid Sample #15	Total/NA	Solid	6010B	497291
500-167425-2	Solid Sample #16	Total/NA	Solid	6010B	497291
500-167425-3	Solid Sample #17	Total/NA	Solid	6010B	497291
500-167425-4	Silho Clay	Total/NA	Solid	6010B	497291
MB 500-497291/1-A	Method Blank	Total/NA	Solid	6010B	497291
LCS 500-497291/2-A	Lab Control Sample	Total/NA	Solid	6010B	497291

Analysis Batch: 497548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167425-1	Solid Sample #15	ASTM Leach	Solid	7470A	497400
500-167425-2	Solid Sample #16	ASTM Leach	Solid	7470A	497400
500-167425-3	Solid Sample #17	ASTM Leach	Solid	7470A	497400
500-167425-4	Silho Clay	ASTM Leach	Solid	7470A	497400
LB3 500-497166/1-C	Method Blank	ASTM Leach	Solid	7470A	497400
MB 500-497400/12-A	Method Blank	Total/NA	Solid	7470A	497400
LCS 500-497400/13-A	Lab Control Sample	Total/NA	Solid	7470A	497400

Analysis Batch: 497604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167425-1	Solid Sample #15	ASTM Leach	Solid	6020A	497387
500-167425-2	Solid Sample #16	ASTM Leach	Solid	6020A	497387
500-167425-3	Solid Sample #17	ASTM Leach	Solid	6020A	497387
500-167425-4	Silho Clay	ASTM Leach	Solid	6020A	497387
LB3 500-497166/1-B	Method Blank	ASTM Leach	Solid	6020A	497387
LCS 500-497387/2-A	Lab Control Sample	Total/NA	Solid	6020A	497387

Analysis Batch: 497613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167425-2	Solid Sample #16	Total/NA	Solid	6010B	497291

Analysis Batch: 497615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167425-1	Solid Sample #15	Total/NA	Solid	7471B	497318
500-167425-2	Solid Sample #16	Total/NA	Solid	7471B	497318
500-167425-3	Solid Sample #17	Total/NA	Solid	7471B	497318
500-167425-4	Silho Clay	Total/NA	Solid	7471B	497318

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QC Association Summary

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

Job ID: 500-167425-1

Metals (Continued)

Analysis Batch: 497615 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-497318/12-A	Method Blank	Total/NA	Solid	7471B	497318
LCS 500-497318/13-A	Lab Control Sample	Total/NA	Solid	7471B	497318

General Chemistry

Analysis Batch: 497314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167425-1	Solid Sample #15	Total/NA	Solid	Moisture	
500-167425-2	Solid Sample #16	Total/NA	Solid	Moisture	
500-167425-3	Solid Sample #17	Total/NA	Solid	Moisture	
500-167425-4	Silho Clay	Total/NA	Solid	Moisture	

Surrogate Summary

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

Job ID: 500-167425-1

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	TPHL	FBP
		(37-147)	(42-157)	(43-145)
500-167425-1	Solid Sample #15	98	100	86
500-167425-2	Solid Sample #16	189 X	119	93
500-167425-3	Solid Sample #17	72	104	85
500-167425-4	Silho Clay	61	94	72
LCS 500-497205/2-A	Lab Control Sample	87	96	83
MB 500-497205/1-A	Method Blank	86	105	91

Surrogate Legend

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

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	TPHL	FBP
		(36-120)	(40-145)	(34-110)
LCS 500-497843/2-A	Lab Control Sample	101	95	90
MB 500-497843/1-A	Method Blank	102	106	89

Surrogate Legend

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

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

Matrix: Solid

Prep Type: ASTM Leach

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	NBZ	TPHL	FBP
		(36-120)	(40-145)	(34-110)
500-167425-1	Solid Sample #15	111	112	97
500-167425-2	Solid Sample #16	101	99	87
500-167425-3	Solid Sample #17	99	104	89
500-167425-4	Silho Clay	107	107	90
LB3 500-497166/1-E	Method Blank	93	96	75

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	DCBP1
		(49-129)	(37-121)
500-167425-1	Solid Sample #15	114	109
500-167425-2	Solid Sample #16	116	104
500-167425-3	Solid Sample #17	88	104

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Surrogate Summary

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

Job ID: 500-167425-1

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (49-129)	DCBP1 (37-121)
500-167425-4	Silho Clay	67	103
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

QC Sample Results

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

Job ID: 500-167425-1

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

Lab Sample ID: MB 500-497205/1-A
Matrix: Solid
Analysis Batch: 497274

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 497205

Analyte	MB	MB	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.0060		0.033	0.0060	mg/Kg		07/29/19 16:26	07/30/19 12:20	1
Acenaphthylene	<0.0044		0.033	0.0044	mg/Kg		07/29/19 16:26	07/30/19 12:20	1
Anthracene	<0.0056		0.033	0.0056	mg/Kg		07/29/19 16:26	07/30/19 12:20	1
Benzo[a]anthracene	<0.0045		0.033	0.0045	mg/Kg		07/29/19 16:26	07/30/19 12:20	1
Benzo[a]pyrene	<0.0064		0.033	0.0064	mg/Kg		07/29/19 16:26	07/30/19 12:20	1
Benzo[b]fluoranthene	<0.0072		0.033	0.0072	mg/Kg		07/29/19 16:26	07/30/19 12:20	1
Benzo[g,h,i]perylene	<0.011		0.033	0.011	mg/Kg		07/29/19 16:26	07/30/19 12:20	1
Benzo[k]fluoranthene	<0.0098		0.033	0.0098	mg/Kg		07/29/19 16:26	07/30/19 12:20	1
Chrysene	<0.0091		0.033	0.0091	mg/Kg		07/29/19 16:26	07/30/19 12:20	1
Dibenz(a,h)anthracene	<0.0064		0.033	0.0064	mg/Kg		07/29/19 16:26	07/30/19 12:20	1
Fluoranthene	<0.0062		0.033	0.0062	mg/Kg		07/29/19 16:26	07/30/19 12:20	1
Fluorene	<0.0047		0.033	0.0047	mg/Kg		07/29/19 16:26	07/30/19 12:20	1
Indeno[1,2,3-cd]pyrene	<0.0086		0.033	0.0086	mg/Kg		07/29/19 16:26	07/30/19 12:20	1
Naphthalene	<0.0051		0.033	0.0051	mg/Kg		07/29/19 16:26	07/30/19 12:20	1
Phenanthrene	<0.0046		0.033	0.0046	mg/Kg		07/29/19 16:26	07/30/19 12:20	1
Pyrene	<0.0066		0.033	0.0066	mg/Kg		07/29/19 16:26	07/30/19 12:20	1
1-Methylnaphthalene	<0.0081		0.067	0.0081	mg/Kg		07/29/19 16:26	07/30/19 12:20	1
2-Methylnaphthalene	<0.0061		0.067	0.0061	mg/Kg		07/29/19 16:26	07/30/19 12:20	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5 (Surr)	86		37 - 147	07/29/19 16:26	07/30/19 12:20	1
Terphenyl-d14 (Surr)	105		42 - 157	07/29/19 16:26	07/30/19 12:20	1
2-Fluorobiphenyl (Surr)	91		43 - 145	07/29/19 16:26	07/30/19 12:20	1

Lab Sample ID: LCS 500-497205/2-A
Matrix: Solid
Analysis Batch: 497274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 497205

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
Acenaphthene	1.33	1.14		mg/Kg		86	65 - 124
Acenaphthylene	1.33	1.17		mg/Kg		88	68 - 120
Anthracene	1.33	1.20		mg/Kg		90	70 - 114
Benzo[a]anthracene	1.33	1.29		mg/Kg		97	67 - 122
Benzo[a]pyrene	1.33	1.29		mg/Kg		97	65 - 133
Benzo[b]fluoranthene	1.33	1.22		mg/Kg		92	69 - 129
Benzo[g,h,i]perylene	1.33	1.28		mg/Kg		96	72 - 131
Benzo[k]fluoranthene	1.33	1.26		mg/Kg		94	68 - 127
Chrysene	1.33	1.24		mg/Kg		93	63 - 120
Dibenz(a,h)anthracene	1.33	1.27		mg/Kg		95	64 - 131
Fluoranthene	1.33	1.22		mg/Kg		92	62 - 120
Fluorene	1.33	1.12		mg/Kg		84	62 - 120
Indeno[1,2,3-cd]pyrene	1.33	1.28		mg/Kg		96	68 - 130
Naphthalene	1.33	1.16		mg/Kg		87	63 - 110
Phenanthrene	1.33	1.15		mg/Kg		86	62 - 120
Pyrene	1.33	1.26		mg/Kg		94	61 - 128
1-Methylnaphthalene	1.33	1.11		mg/Kg		83	68 - 111
2-Methylnaphthalene	1.33	1.10		mg/Kg		83	69 - 112

QC Sample Results

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

Job ID: 500-167425-1

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

Lab Sample ID: LCS 500-497205/2-A
Matrix: Solid
Analysis Batch: 497274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 497205

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	87		37 - 147
Terphenyl-d14 (Surr)	96		42 - 157
2-Fluorobiphenyl (Surr)	83		43 - 145

Lab Sample ID: MB 500-497843/1-A
Matrix: Solid
Analysis Batch: 497913

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 497843

Analyte	MB MB		LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.00036		0.0010	0.00036	mg/L		08/01/19 16:09	08/02/19 10:43	1
Acenaphthylene	<0.00032		0.0010	0.00032	mg/L		08/01/19 16:09	08/02/19 10:43	1
Anthracene	<0.00032		0.0010	0.00032	mg/L		08/01/19 16:09	08/02/19 10:43	1
Benzo[a]anthracene	<0.000044		0.00020	0.000044	mg/L		08/01/19 16:09	08/02/19 10:43	1
Benzo[a]pyrene	<0.000056		0.00020	0.000056	mg/L		08/01/19 16:09	08/02/19 10:43	1
Benzo[b]fluoranthene	<0.000058		0.00020	0.000058	mg/L		08/01/19 16:09	08/02/19 10:43	1
Benzo[g,h,i]perylene	<0.00042		0.0010	0.00042	mg/L		08/01/19 16:09	08/02/19 10:43	1
Benzo[k]fluoranthene	<0.000074		0.00020	0.000074	mg/L		08/01/19 16:09	08/02/19 10:43	1
Chrysene	<0.00014		0.00050	0.00014	mg/L		08/01/19 16:09	08/02/19 10:43	1
Dibenz(a,h)anthracene	<0.000064		0.00030	0.000064	mg/L		08/01/19 16:09	08/02/19 10:43	1
Fluoranthene	<0.00032		0.0010	0.00032	mg/L		08/01/19 16:09	08/02/19 10:43	1
Fluorene	<0.00038		0.0010	0.00038	mg/L		08/01/19 16:09	08/02/19 10:43	1
Indeno[1,2,3-cd]pyrene	<0.000084		0.00020	0.000084	mg/L		08/01/19 16:09	08/02/19 10:43	1
Naphthalene	<0.00030		0.0010	0.00030	mg/L		08/01/19 16:09	08/02/19 10:43	1
Phenanthrene	<0.00035		0.0010	0.00035	mg/L		08/01/19 16:09	08/02/19 10:43	1
Pyrene	<0.00048		0.0010	0.00048	mg/L		08/01/19 16:09	08/02/19 10:43	1
1-Methylnaphthalene	<0.00050		0.0020	0.00050	mg/L		08/01/19 16:09	08/02/19 10:43	1
2-Methylnaphthalene	<0.00013		0.0020	0.00013	mg/L		08/01/19 16:09	08/02/19 10:43	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5 (Surr)	102		36 - 120	08/01/19 16:09	08/02/19 10:43	1
Terphenyl-d14 (Surr)	106		40 - 145	08/01/19 16:09	08/02/19 10:43	1
2-Fluorobiphenyl (Surr)	89		34 - 110	08/01/19 16:09	08/02/19 10:43	1

Lab Sample ID: LCS 500-497843/2-A
Matrix: Solid
Analysis Batch: 497913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 497843

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Acenaphthene	0.0400	0.0353		mg/L		88	46 - 110
Acenaphthylene	0.0400	0.0351		mg/L		88	47 - 110
Anthracene	0.0400	0.0380		mg/L		95	67 - 110
Benzo[a]anthracene	0.0400	0.0383		mg/L		96	70 - 120
Benzo[a]pyrene	0.0400	0.0377		mg/L		94	70 - 120
Benzo[b]fluoranthene	0.0400	0.0348		mg/L		87	69 - 123
Benzo[g,h,i]perylene	0.0400	0.0404		mg/L		101	70 - 120
Benzo[k]fluoranthene	0.0400	0.0368		mg/L		92	70 - 120
Chrysene	0.0400	0.0369		mg/L		92	68 - 120
Dibenz(a,h)anthracene	0.0400	0.0405		mg/L		101	70 - 127

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QC Sample Results

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

Job ID: 500-167425-1

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

Lab Sample ID: LCS 500-497843/2-A
Matrix: Solid
Analysis Batch: 497913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 497843

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	0.0400	0.0392		mg/L		98	68 - 120
Fluorene	0.0400	0.0359		mg/L		90	53 - 120
Indeno[1,2,3-cd]pyrene	0.0400	0.0421		mg/L		105	65 - 133
Naphthalene	0.0400	0.0302		mg/L		76	36 - 110
Phenanthrene	0.0400	0.0381		mg/L		95	65 - 120
Pyrene	0.0400	0.0376		mg/L		94	70 - 110
1-Methylnaphthalene	0.0400	0.0293		mg/L		73	38 - 110
2-Methylnaphthalene	0.0400	0.0321		mg/L		80	34 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	101		36 - 120
Terphenyl-d14 (Surr)	95		40 - 145
2-Fluorobiphenyl (Surr)	90		34 - 110

Lab Sample ID: LB3 500-497166/1-E
Matrix: Solid
Analysis Batch: 497913

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 497843

Analyte	LB3 Result	LB3 Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0036		0.010	0.0036	mg/L		08/01/19 16:09	08/02/19 10:16	1
Acenaphthylene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 10:16	1
Anthracene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 10:16	1
Benzo[a]anthracene	<0.00044		0.0020	0.00044	mg/L		08/01/19 16:09	08/02/19 10:16	1
Benzo[a]pyrene	<0.00056		0.0020	0.00056	mg/L		08/01/19 16:09	08/02/19 10:16	1
Benzo[b]fluoranthene	<0.00058		0.0020	0.00058	mg/L		08/01/19 16:09	08/02/19 10:16	1
Benzo[g,h,i]perylene	<0.0042		0.010	0.0042	mg/L		08/01/19 16:09	08/02/19 10:16	1
Benzo[k]fluoranthene	<0.00074		0.0020	0.00074	mg/L		08/01/19 16:09	08/02/19 10:16	1
Chrysene	<0.0014		0.0050	0.0014	mg/L		08/01/19 16:09	08/02/19 10:16	1
Dibenz(a,h)anthracene	<0.00064		0.0030	0.00064	mg/L		08/01/19 16:09	08/02/19 10:16	1
Fluoranthene	<0.0032		0.010	0.0032	mg/L		08/01/19 16:09	08/02/19 10:16	1
Fluorene	<0.0038		0.010	0.0038	mg/L		08/01/19 16:09	08/02/19 10:16	1
Indeno[1,2,3-cd]pyrene	<0.00084		0.0020	0.00084	mg/L		08/01/19 16:09	08/02/19 10:16	1
Naphthalene	<0.0030		0.010	0.0030	mg/L		08/01/19 16:09	08/02/19 10:16	1
Phenanthrene	<0.0035		0.010	0.0035	mg/L		08/01/19 16:09	08/02/19 10:16	1
Pyrene	<0.0048		0.010	0.0048	mg/L		08/01/19 16:09	08/02/19 10:16	1
1-Methylnaphthalene	<0.0050		0.020	0.0050	mg/L		08/01/19 16:09	08/02/19 10:16	1
2-Methylnaphthalene	<0.0013		0.020	0.0013	mg/L		08/01/19 16:09	08/02/19 10:16	1

Surrogate	LB3 %Recovery	LB3 Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	93		36 - 120	08/01/19 16:09	08/02/19 10:16	1
Terphenyl-d14 (Surr)	96		40 - 145	08/01/19 16:09	08/02/19 10:16	1
2-Fluorobiphenyl (Surr)	75		34 - 110	08/01/19 16:09	08/02/19 10:16	1

QC Sample Results

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

Job ID: 500-167425-1

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	MB	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
PCB-1016	0.167	0.137		mg/Kg		82	57 - 120
PCB-1260	0.167	0.131		mg/Kg		78	61 - 125

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

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-497291/1-A
Matrix: Solid
Analysis Batch: 497471

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 497291

Analyte	MB	MB	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.34		1.0	0.34	mg/Kg		07/30/19 08:35	07/30/19 22:12	1
Barium	<0.11		1.0	0.11	mg/Kg		07/30/19 08:35	07/30/19 22:12	1
Cadmium	0.0867	J	0.20	0.036	mg/Kg		07/30/19 08:35	07/30/19 22:12	1
Chromium	<0.50		1.0	0.50	mg/Kg		07/30/19 08:35	07/30/19 22:12	1
Lead	<0.23		0.50	0.23	mg/Kg		07/30/19 08:35	07/30/19 22:12	1
Selenium	0.606	J	1.0	0.59	mg/Kg		07/30/19 08:35	07/30/19 22:12	1
Silver	<0.13		0.50	0.13	mg/Kg		07/30/19 08:35	07/30/19 22:12	1

Lab Sample ID: LCS 500-497291/2-A
Matrix: Solid
Analysis Batch: 497471

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 497291

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
Arsenic	10.0	9.14		mg/Kg		91	80 - 120
Barium	200	200		mg/Kg		100	80 - 120
Cadmium	5.00	4.66		mg/Kg		93	80 - 120
Chromium	20.0	19.8		mg/Kg		99	80 - 120

Eurofins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-167425-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 500-497291/2-A
 Matrix: Solid
 Analysis Batch: 497471

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 497291

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	10.0	9.52		mg/Kg		95	80 - 120
Selenium	10.0	8.45		mg/Kg		85	80 - 120
Silver	5.00	4.68		mg/Kg		94	80 - 120

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: LCS 500-497387/2-A
 Matrix: Solid
 Analysis Batch: 497604

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 497387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.100		mg/L		100	80 - 120
Barium	0.500	0.528		mg/L		106	80 - 120
Cadmium	0.0500	0.0525		mg/L		105	80 - 120
Chromium	0.200	0.222		mg/L		111	80 - 120
Lead	0.100	0.0989		mg/L		99	80 - 120
Selenium	0.100	0.100		mg/L		100	80 - 120
Silver	0.0500	0.0535		mg/L		107	80 - 120

Lab Sample ID: LB3 500-497166/1-B
 Matrix: Solid
 Analysis Batch: 497604

Client Sample ID: Method Blank
 Prep Type: ASTM Leach
 Prep Batch: 497387

Analyte	LB3 Result	LB3 Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0020		0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 13:07	1
Barium	<0.050		0.50	0.050	mg/L		07/30/19 14:34	07/31/19 13:07	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		07/30/19 14:34	07/31/19 13:07	1
Chromium	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 13:07	1
Lead	<0.0020		0.050	0.0020	mg/L		07/30/19 14:34	07/31/19 13:07	1
Selenium	<0.010		0.050	0.010	mg/L		07/30/19 14:34	07/31/19 13:07	1
Silver	<0.0050		0.025	0.0050	mg/L		07/30/19 14:34	07/31/19 13:07	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-497400/12-A
 Matrix: Solid
 Analysis Batch: 497548

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 497400

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 08:36	1

Lab Sample ID: LCS 500-497400/13-A
 Matrix: Solid
 Analysis Batch: 497548

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 497400

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00209		mg/L		105	80 - 120

QC Sample Results

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

Job ID: 500-167425-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LB3 500-497166/1-C
 Matrix: Solid
 Analysis Batch: 497548

Client Sample ID: Method Blank
 Prep Type: ASTM Leach
 Prep Batch: 497400

Analyte	LB3	LB3	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.00020		0.00020	0.00020	mg/L		07/30/19 15:40	07/31/19 08:39	1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-497318/12-A
 Matrix: Solid
 Analysis Batch: 497615

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 497318

Analyte	MB	MB	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.0056		0.017	0.0056	mg/Kg		07/30/19 14:15	07/31/19 11:11	1

Lab Sample ID: LCS 500-497318/13-A
 Matrix: Solid
 Analysis Batch: 497615

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 497318
 %Rec.

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
Mercury	0.167	0.173		mg/Kg		104	80 - 120

Lab Chronicle

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

Job ID: 500-167425-1

Client Sample ID: Solid Sample #15

Lab Sample ID: 500-167425-1

Date Collected: 07/26/19 00:00

Matrix: Solid

Date Received: 07/27/19 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3510C			497843	08/01/19 16:09	JP1	TAL CHI
ASTM Leach	Analysis	8270D		1	497913	08/02/19 12:30	NRJ	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3010A			497387	07/30/19 14:34	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	497604	07/31/19 12:36	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	7470A			497400	07/30/19 15:40	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	497548	07/31/19 08:41	MJG	TAL CHI
Total/NA	Analysis	Moisture		1	497314	07/30/19 10:17	LWN	TAL CHI

Client Sample ID: Solid Sample #15

Lab Sample ID: 500-167425-1

Date Collected: 07/26/19 00:00

Matrix: Solid

Date Received: 07/27/19 09:10

Percent Solids: 54.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			497205	07/29/19 18:56	JP1	TAL CHI
Total/NA	Analysis	8270D		10	497280	07/30/19 16:29	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 20:18	BJH	TAL CHI
Total/NA	Prep	3050B			497291	07/30/19 08:35	SAH	TAL CHI
Total/NA	Analysis	6010B		1	497471	07/30/19 23:37	EEN	TAL CHI
Total/NA	Prep	7471B			497318	07/30/19 14:15	MJG	TAL CHI
Total/NA	Analysis	7471B		5	497615	07/31/19 12:41	MJG	TAL CHI

Client Sample ID: Solid Sample #16

Lab Sample ID: 500-167425-2

Date Collected: 07/26/19 00:00

Matrix: Solid

Date Received: 07/27/19 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3510C			497843	08/01/19 16:09	JP1	TAL CHI
ASTM Leach	Analysis	8270D		1	497913	08/02/19 12:56	NRJ	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3010A			497387	07/30/19 14:34	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	497604	07/31/19 12:40	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	7470A			497400	07/30/19 15:40	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	497548	07/31/19 08:43	MJG	TAL CHI
Total/NA	Analysis	Moisture		1	497314	07/30/19 10:17	LWN	TAL CHI

Lab Chronicle

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

Job ID: 500-167425-1

Client Sample ID: Solid Sample #16

Lab Sample ID: 500-167425-2

Date Collected: 07/26/19 00:00

Matrix: Solid

Date Received: 07/27/19 09:10

Percent Solids: 61.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			497205	07/29/19 18:56	JP1	TAL CHI
Total/NA	Analysis	8270D		10	497280	07/30/19 16:59	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 20:33	BJH	TAL CHI
Total/NA	Prep	3050B			497291	07/30/19 08:35	SAH	TAL CHI
Total/NA	Analysis	6010B		1	497471	07/30/19 23:41	EEN	TAL CHI
Total/NA	Prep	3050B			497291	07/30/19 08:35	SAH	TAL CHI
Total/NA	Analysis	6010B		5	497613	07/31/19 11:57	EEN	TAL CHI
Total/NA	Prep	7471B			497318	07/30/19 14:15	MJG	TAL CHI
Total/NA	Analysis	7471B		20	497615	07/31/19 12:43	MJG	TAL CHI

Client Sample ID: Solid Sample #17

Lab Sample ID: 500-167425-3

Date Collected: 07/26/19 00:00

Matrix: Solid

Date Received: 07/27/19 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3510C			497843	08/01/19 16:09	JP1	TAL CHI
ASTM Leach	Analysis	8270D		1	497913	08/02/19 13:23	NRJ	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3010A			497387	07/30/19 14:34	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	497604	07/31/19 12:43	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	7470A			497400	07/30/19 15:40	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	497548	07/31/19 08:53	MJG	TAL CHI
Total/NA	Analysis	Moisture		1	497314	07/30/19 10:17	LWN	TAL CHI

Client Sample ID: Solid Sample #17

Lab Sample ID: 500-167425-3

Date Collected: 07/26/19 00:00

Matrix: Solid

Date Received: 07/27/19 09:10

Percent Solids: 44.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			497205	07/29/19 18:56	JP1	TAL CHI
Total/NA	Analysis	8270D		10	497280	07/30/19 17:28	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 20:49	BJH	TAL CHI
Total/NA	Prep	3050B			497291	07/30/19 08:35	SAH	TAL CHI
Total/NA	Analysis	6010B		1	497471	07/30/19 23:54	EEN	TAL CHI
Total/NA	Prep	7471B			497318	07/30/19 14:15	MJG	TAL CHI
Total/NA	Analysis	7471B		1	497615	07/31/19 12:03	MJG	TAL CHI

Lab Chronicle

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

Job ID: 500-167425-1

Client Sample ID: Silho Clay

Lab Sample ID: 500-167425-4

Date Collected: 07/26/19 00:00

Matrix: Solid

Date Received: 07/27/19 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3510C			497843	08/01/19 16:12	JP1	TAL CHI
ASTM Leach	Analysis	8270D		1	497913	08/02/19 13:50	NRJ	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	3010A			497387	07/30/19 14:34	BDE	TAL CHI
ASTM Leach	Analysis	6020A		1	497604	07/31/19 12:47	FXG	TAL CHI
ASTM Leach	Leach	D3987-85			497166	07/29/19 13:00	GCA	TAL CHI
ASTM Leach	Prep	7470A			497400	07/30/19 15:40	MJG	TAL CHI
ASTM Leach	Analysis	7470A		1	497548	07/31/19 08:54	MJG	TAL CHI
Total/NA	Analysis	Moisture		1	497314	07/30/19 10:17	LWN	TAL CHI

Client Sample ID: Silho Clay

Lab Sample ID: 500-167425-4

Date Collected: 07/26/19 00:00

Matrix: Solid

Date Received: 07/27/19 09:10

Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			497205	07/29/19 18:56	JP1	TAL CHI
Total/NA	Analysis	8270D		1	497280	07/30/19 15:59	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 21:04	BJH	TAL CHI
Total/NA	Prep	3050B			497291	07/30/19 08:35	SAH	TAL CHI
Total/NA	Analysis	6010B		1	497471	07/30/19 23:58	EEN	TAL CHI
Total/NA	Prep	7471B			497318	07/30/19 14:15	MJG	TAL CHI
Total/NA	Analysis	7471B		1	497615	07/31/19 12:06	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
Project/Site: Rock River Sediment Removal, Janesville

Job ID: 500-167425-1

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





500-167425 Waybill

ORIGIN ID:JVLA (636) 577-5056

RILEY UNDERWOOD (EAG)
1000 INDUSTRIAL AVE

JANESVILLE, WI 53546
UNITED STATES US

SH: 5
AC: 12:00
CA: 2617
DI: 07.27
BT 2002

Part # 1562972686/439802925EXP 05/20

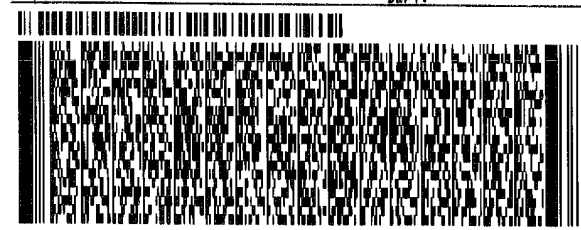
TO

EUROFINS TESTAMERICA, C
2417 BOND ST

UNIVERSITY PARK IL 60484

(111) 111-1111
INVT
PO:

REF:
DEPT:



FedEx
Express



AN104290610261J

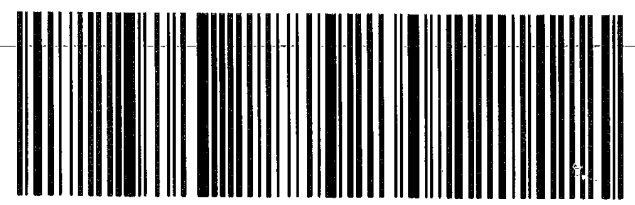
TRK# 7887 1300 2617
0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

AHS
60484

XO JOTA

IL-US ORD



360
10.02

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Login Sample Receipt Checklist

Client: EnviroAnalytics Group LLC

Job Number: 500-167425-1

Login Number: 167425

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Buckley, Paula M

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	5.5
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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

