

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
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Laboratory Job ID: 500-165506-1

Client Project/Site: Rock River Sediment Removal, Janesville

For:

EnviroAnalytics Group LLC
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Saint Louis, Missouri 63131

Attn: Mr. Daniel Dunn



Authorized for release by:
6/28/2019 12:03:56 PM

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

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



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Case Narrative

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

Job ID: 500-165506-1

Job ID: 500-165506-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-165506-1

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.

GC/MS Semi VOA

Method(s) 8270D: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample: Solid Sample #2 (500-165506-2).

Method(s) 8270D: Internal standard responses were outside of acceptance limits for the following sample: Solid Sample #2 (500-165506-2). The sample was re-analyzed 1 hour past the 12 hour tune time with similar ISTD recoveries. Both analyses have been reported. The sample shows evidence of matrix interference.

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 causing internal standard failure: Solid Sample #1 (500-165506-1) and Solid Sample #2 (500-165506-2). 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 #1 (500-165506-1) and Solid Sample #2 (500-165506-2). The reagent lot number used was: 190938.

Method(s) 8082A: DCB Decachlorobiphenyl surrogate recovery for the following sample was outside the upper control limit: Solid Sample #2 (500-165506-2). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8082A: The continuing calibration verification (CCV) associated with batch 500-491865 recovered above the upper control limit for PCB-1016 peak 1, PCB-1016 peak 3, and PCB-1260 peak 2. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: Solid Sample #1 (500-165506-1), Solid Sample #2 (500-165506-2), Jatco Soil (500-165506-3) and (CCVIS 500-491865/1).

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: 500-165506-1

Client Sample ID: Solid Sample #1

Lab Sample ID: 500-165506-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	26	J	41	5.6	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	28	J	41	8.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	33	J	41	8.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	15	J	41	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	22	J	41	12	ug/Kg	1	☼	8270D	Total/NA
Chrysene	34	J	41	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	44		41	7.7	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	16	J	41	11	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	21	J	41	5.8	ug/Kg	1	☼	8270D	Total/NA
Pyrene	57		41	8.2	ug/Kg	1	☼	8270D	Total/NA
Arsenic	0.79	J	1.1	0.38	mg/Kg	1	☼	6010B	Total/NA
Barium	21		1.1	0.13	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.24	B	0.22	0.040	mg/Kg	1	☼	6010B	Total/NA
Chromium	7.8		1.1	0.55	mg/Kg	1	☼	6010B	Total/NA
Lead	150		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Silver	0.78		0.55	0.14	mg/Kg	1	☼	6010B	Total/NA
Mercury	280		20	6.5	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: Solid Sample #2

Lab Sample ID: 500-165506-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	500		220	40	ug/Kg	5	☼	8270D	Total/NA
Acenaphthylene	93	J	220	30	ug/Kg	5	☼	8270D	Total/NA
Anthracene	1200		220	38	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene	3500		220	30	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	3300	*	220	44	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	5600	*	220	49	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	860	*	220	72	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	1900	*	220	66	ug/Kg	5	☼	8270D	Total/NA
Chrysene	3700		220	61	ug/Kg	5	☼	8270D	Total/NA
Dibenz(a,h)anthracene	300	*	220	43	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	5800		220	42	ug/Kg	5	☼	8270D	Total/NA
Fluorene	630		220	32	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	910	*	220	58	ug/Kg	5	☼	8270D	Total/NA
Naphthalene	740		220	35	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	5000		220	31	ug/Kg	5	☼	8270D	Total/NA
Pyrene	6900		220	45	ug/Kg	5	☼	8270D	Total/NA
1-Methylnaphthalene	690		450	55	ug/Kg	5	☼	8270D	Total/NA
2-Methylnaphthalene	1200		450	41	ug/Kg	5	☼	8270D	Total/NA
Arsenic	4.4		1.2	0.42	mg/Kg	1	☼	6010B	Total/NA
Barium	540		1.2	0.14	mg/Kg	1	☼	6010B	Total/NA
Cadmium	1.7	B	0.25	0.044	mg/Kg	1	☼	6010B	Total/NA
Chromium	74		1.2	0.61	mg/Kg	1	☼	6010B	Total/NA
Lead	760		0.61	0.28	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.72	J	1.2	0.72	mg/Kg	1	☼	6010B	Total/NA
Silver	1.3		0.61	0.16	mg/Kg	1	☼	6010B	Total/NA
Mercury	370		20	6.7	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: Jatco Soil

Lab Sample ID: 500-165506-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.48	J	0.94	0.32	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

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

Job ID: 500-165506-1

Client Sample ID: Jatco Soil (Continued)

Lab Sample ID: 500-165506-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Barium	8.6		0.94	0.11	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.13	J B	0.19	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	3.0		0.94	0.47	mg/Kg	1	☼	6010B	Total/NA
Lead	1.4		0.47	0.22	mg/Kg	1	☼	6010B	Total/NA
Silver	0.49		0.47	0.12	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

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Method Summary

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

Job ID: 500-165506-1

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
7471B	Mercury (CVAA)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-165506-1

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	

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Client Sample Results

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

Job ID: 500-165506-1

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

Percent Solids: 78.1

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.4		41	7.4	ug/Kg	☼	06/25/19 08:16	06/25/19 19:29	1
Acenaphthylene	<5.5		41	5.5	ug/Kg	☼	06/25/19 08:16	06/25/19 19:29	1
Anthracene	<6.9		41	6.9	ug/Kg	☼	06/25/19 08:16	06/25/19 19:29	1
Benzo[a]anthracene	26	J	41	5.6	ug/Kg	☼	06/25/19 08:16	06/25/19 19:29	1
Benzo[a]pyrene	28	J	41	8.0	ug/Kg	☼	06/25/19 08:16	06/25/19 19:29	1
Benzo[b]fluoranthene	33	J	41	8.9	ug/Kg	☼	06/25/19 08:16	06/25/19 19:29	1
Benzo[g,h,i]perylene	15	J	41	13	ug/Kg	☼	06/25/19 08:16	06/25/19 19:29	1
Benzo[k]fluoranthene	22	J	41	12	ug/Kg	☼	06/25/19 08:16	06/25/19 19:29	1
Chrysene	34	J	41	11	ug/Kg	☼	06/25/19 08:16	06/25/19 19:29	1
Dibenz(a,h)anthracene	<8.0		41	8.0	ug/Kg	☼	06/25/19 08:16	06/25/19 19:29	1
Fluoranthene	44		41	7.7	ug/Kg	☼	06/25/19 08:16	06/25/19 19:29	1
Fluorene	<5.8		41	5.8	ug/Kg	☼	06/25/19 08:16	06/25/19 19:29	1
Indeno[1,2,3-cd]pyrene	16	J	41	11	ug/Kg	☼	06/25/19 08:16	06/25/19 19:29	1
Naphthalene	<6.4		41	6.4	ug/Kg	☼	06/25/19 08:16	06/25/19 19:29	1
Phenanthrene	21	J	41	5.8	ug/Kg	☼	06/25/19 08:16	06/25/19 19:29	1
Pyrene	57		41	8.2	ug/Kg	☼	06/25/19 08:16	06/25/19 19:29	1
1-Methylnaphthalene	<10		83	10	ug/Kg	☼	06/25/19 08:16	06/25/19 19:29	1
2-Methylnaphthalene	<7.6		83	7.6	ug/Kg	☼	06/25/19 08:16	06/25/19 19:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	56		37 - 147				06/25/19 08:16	06/25/19 19:29	1
Terphenyl-d14 (Surr)	69		42 - 157				06/25/19 08:16	06/25/19 19:29	1
2-Fluorobiphenyl (Surr)	59		43 - 145				06/25/19 08:16	06/25/19 19:29	1

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<74		210	74	ug/Kg	☼	06/24/19 18:15	06/25/19 13:36	10
PCB-1221	<92		210	92	ug/Kg	☼	06/24/19 18:15	06/25/19 13:36	10
PCB-1232	<91		210	91	ug/Kg	☼	06/24/19 18:15	06/25/19 13:36	10
PCB-1242	<69		210	69	ug/Kg	☼	06/24/19 18:15	06/25/19 13:36	10
PCB-1248	<82		210	82	ug/Kg	☼	06/24/19 18:15	06/25/19 13:36	10
PCB-1254	<45		210	45	ug/Kg	☼	06/24/19 18:15	06/25/19 13:36	10
PCB-1260	<100		210	100	ug/Kg	☼	06/24/19 18:15	06/25/19 13:36	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90		49 - 129				06/24/19 18:15	06/25/19 13:36	10
DCB Decachlorobiphenyl	71		37 - 121				06/24/19 18:15	06/25/19 13:36	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.79	J	1.1	0.38	mg/Kg	☼	06/25/19 07:43	06/25/19 16:33	1
Barium	21		1.1	0.13	mg/Kg	☼	06/25/19 07:43	06/25/19 16:33	1
Cadmium	0.24	B	0.22	0.040	mg/Kg	☼	06/25/19 07:43	06/25/19 16:33	1
Chromium	7.8		1.1	0.55	mg/Kg	☼	06/25/19 07:43	06/25/19 16:33	1
Lead	150		0.55	0.25	mg/Kg	☼	06/25/19 07:43	06/25/19 16:33	1
Selenium	<0.65		1.1	0.65	mg/Kg	☼	06/25/19 07:43	06/25/19 16:33	1
Silver	0.78		0.55	0.14	mg/Kg	☼	06/25/19 07:43	06/25/19 16:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	280		20	6.5	ug/Kg	☼	06/24/19 15:20	06/25/19 09:09	1

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Client Sample Results

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

Job ID: 500-165506-1

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

Percent Solids: 73.2

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	500		220	40	ug/Kg	☼	06/25/19 08:16	06/26/19 17:04	5
Acenaphthylene	93	J	220	30	ug/Kg	☼	06/25/19 08:16	06/26/19 17:04	5
Anthracene	1200		220	38	ug/Kg	☼	06/25/19 08:16	06/26/19 17:04	5
Benzo[a]anthracene	3500		220	30	ug/Kg	☼	06/25/19 08:16	06/26/19 17:04	5
Benzo[a]pyrene	3300	*	220	44	ug/Kg	☼	06/25/19 08:16	06/26/19 17:04	5
Benzo[b]fluoranthene	5600	*	220	49	ug/Kg	☼	06/25/19 08:16	06/26/19 17:04	5
Benzo[g,h,i]perylene	860	*	220	72	ug/Kg	☼	06/25/19 08:16	06/26/19 17:04	5
Benzo[k]fluoranthene	1900	*	220	66	ug/Kg	☼	06/25/19 08:16	06/26/19 17:04	5
Chrysene	3700		220	61	ug/Kg	☼	06/25/19 08:16	06/26/19 17:04	5
Dibenz(a,h)anthracene	300	*	220	43	ug/Kg	☼	06/25/19 08:16	06/26/19 17:04	5
Fluoranthene	5800		220	42	ug/Kg	☼	06/25/19 08:16	06/26/19 17:04	5
Fluorene	630		220	32	ug/Kg	☼	06/25/19 08:16	06/26/19 17:04	5
Indeno[1,2,3-cd]pyrene	910	*	220	58	ug/Kg	☼	06/25/19 08:16	06/26/19 17:04	5
Naphthalene	740		220	35	ug/Kg	☼	06/25/19 08:16	06/26/19 17:04	5
Phenanthrene	5000		220	31	ug/Kg	☼	06/25/19 08:16	06/26/19 17:04	5
Pyrene	6900		220	45	ug/Kg	☼	06/25/19 08:16	06/26/19 17:04	5
1-Methylnaphthalene	690		450	55	ug/Kg	☼	06/25/19 08:16	06/26/19 17:04	5
2-Methylnaphthalene	1200		450	41	ug/Kg	☼	06/25/19 08:16	06/26/19 17:04	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	106		37 - 147				06/25/19 08:16	06/26/19 17:04	5
Terphenyl-d14 (Surr)	116		42 - 157				06/25/19 08:16	06/26/19 17:04	5
2-Fluorobiphenyl (Surr)	95		43 - 145				06/25/19 08:16	06/26/19 17:04	5

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<78		220	78	ug/Kg	☼	06/24/19 18:15	06/25/19 13:51	10
PCB-1221	<98		220	98	ug/Kg	☼	06/24/19 18:15	06/25/19 13:51	10
PCB-1232	<97		220	97	ug/Kg	☼	06/24/19 18:15	06/25/19 13:51	10
PCB-1242	<73		220	73	ug/Kg	☼	06/24/19 18:15	06/25/19 13:51	10
PCB-1248	<87		220	87	ug/Kg	☼	06/24/19 18:15	06/25/19 13:51	10
PCB-1254	<48		220	48	ug/Kg	☼	06/24/19 18:15	06/25/19 13:51	10
PCB-1260	<110		220	110	ug/Kg	☼	06/24/19 18:15	06/25/19 13:51	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	102		49 - 129				06/24/19 18:15	06/25/19 13:51	10
DCB Decachlorobiphenyl	136	X	37 - 121				06/24/19 18:15	06/25/19 13:51	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.4		1.2	0.42	mg/Kg	☼	06/25/19 07:43	06/25/19 16:37	1
Barium	540		1.2	0.14	mg/Kg	☼	06/25/19 07:43	06/25/19 16:37	1
Cadmium	1.7	B	0.25	0.044	mg/Kg	☼	06/25/19 07:43	06/25/19 16:37	1
Chromium	74		1.2	0.61	mg/Kg	☼	06/25/19 07:43	06/25/19 16:37	1
Lead	760		0.61	0.28	mg/Kg	☼	06/25/19 07:43	06/25/19 16:37	1
Selenium	0.72	J	1.2	0.72	mg/Kg	☼	06/25/19 07:43	06/25/19 16:37	1
Silver	1.3		0.61	0.16	mg/Kg	☼	06/25/19 07:43	06/25/19 16:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	370		20	6.7	ug/Kg	☼	06/24/19 15:20	06/25/19 09:11	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-165506-1

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

Percent Solids: 96.7

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<6.1		34	6.1	ug/Kg	☼	06/25/19 08:16	06/25/19 19:58	1
Acenaphthylene	<4.5		34	4.5	ug/Kg	☼	06/25/19 08:16	06/25/19 19:58	1
Anthracene	<5.7		34	5.7	ug/Kg	☼	06/25/19 08:16	06/25/19 19:58	1
Benzo[a]anthracene	<4.6		34	4.6	ug/Kg	☼	06/25/19 08:16	06/25/19 19:58	1
Benzo[a]pyrene	<6.6		34	6.6	ug/Kg	☼	06/25/19 08:16	06/25/19 19:58	1
Benzo[b]fluoranthene	<7.4		34	7.4	ug/Kg	☼	06/25/19 08:16	06/25/19 19:58	1
Benzo[g,h,i]perylene	<11		34	11	ug/Kg	☼	06/25/19 08:16	06/25/19 19:58	1
Benzo[k]fluoranthene	<10		34	10	ug/Kg	☼	06/25/19 08:16	06/25/19 19:58	1
Chrysene	<9.3		34	9.3	ug/Kg	☼	06/25/19 08:16	06/25/19 19:58	1
Dibenz(a,h)anthracene	<6.6		34	6.6	ug/Kg	☼	06/25/19 08:16	06/25/19 19:58	1
Fluoranthene	<6.3		34	6.3	ug/Kg	☼	06/25/19 08:16	06/25/19 19:58	1
Fluorene	<4.8		34	4.8	ug/Kg	☼	06/25/19 08:16	06/25/19 19:58	1
Indeno[1,2,3-cd]pyrene	<8.8		34	8.8	ug/Kg	☼	06/25/19 08:16	06/25/19 19:58	1
Naphthalene	<5.3		34	5.3	ug/Kg	☼	06/25/19 08:16	06/25/19 19:58	1
Phenanthrene	<4.8		34	4.8	ug/Kg	☼	06/25/19 08:16	06/25/19 19:58	1
Pyrene	<6.8		34	6.8	ug/Kg	☼	06/25/19 08:16	06/25/19 19:58	1
1-Methylnaphthalene	<8.3		69	8.3	ug/Kg	☼	06/25/19 08:16	06/25/19 19:58	1
2-Methylnaphthalene	<6.3		69	6.3	ug/Kg	☼	06/25/19 08:16	06/25/19 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	81		37 - 147	06/25/19 08:16	06/25/19 19:58	1
Terphenyl-d14 (Surr)	91		42 - 157	06/25/19 08:16	06/25/19 19:58	1
2-Fluorobiphenyl (Surr)	79		43 - 145	06/25/19 08:16	06/25/19 19:58	1

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<5.9		17	5.9	ug/Kg	☼	06/24/19 18:15	06/25/19 14:07	1
PCB-1221	<7.3		17	7.3	ug/Kg	☼	06/24/19 18:15	06/25/19 14:07	1
PCB-1232	<7.2		17	7.2	ug/Kg	☼	06/24/19 18:15	06/25/19 14:07	1
PCB-1242	<5.5		17	5.5	ug/Kg	☼	06/24/19 18:15	06/25/19 14:07	1
PCB-1248	<6.5		17	6.5	ug/Kg	☼	06/24/19 18:15	06/25/19 14:07	1
PCB-1254	<3.6		17	3.6	ug/Kg	☼	06/24/19 18:15	06/25/19 14:07	1
PCB-1260	<8.2		17	8.2	ug/Kg	☼	06/24/19 18:15	06/25/19 14:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	79		49 - 129	06/24/19 18:15	06/25/19 14:07	1
DCB Decachlorobiphenyl	82		37 - 121	06/24/19 18:15	06/25/19 14:07	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.48	J	0.94	0.32	mg/Kg	☼	06/25/19 07:43	06/25/19 16:41	1
Barium	8.6		0.94	0.11	mg/Kg	☼	06/25/19 07:43	06/25/19 16:41	1
Cadmium	0.13	J B	0.19	0.034	mg/Kg	☼	06/25/19 07:43	06/25/19 16:41	1
Chromium	3.0		0.94	0.47	mg/Kg	☼	06/25/19 07:43	06/25/19 16:41	1
Lead	1.4		0.47	0.22	mg/Kg	☼	06/25/19 07:43	06/25/19 16:41	1
Selenium	<0.56		0.94	0.56	mg/Kg	☼	06/25/19 07:43	06/25/19 16:41	1
Silver	0.49		0.47	0.12	mg/Kg	☼	06/25/19 07:43	06/25/19 16:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<5.5		17	5.5	ug/Kg	☼	06/24/19 15:20	06/25/19 09:13	1

Eurofins TestAmerica, Chicago

Definitions/Glossary

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

Job ID: 500-165506-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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: 500-165506-1

GC/MS Semi VOA

Prep Batch: 491837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	Total/NA	Solid	3541	
500-165506-2 - RA	Solid Sample #2	Total/NA	Solid	3541	
500-165506-2	Solid Sample #2	Total/NA	Solid	3541	
500-165506-3	Jatco Soil	Total/NA	Solid	3541	
MB 500-491837/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-491837/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 491943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	Total/NA	Solid	8270D	491837
500-165506-2 - RA	Solid Sample #2	Total/NA	Solid	8270D	491837
500-165506-3	Jatco Soil	Total/NA	Solid	8270D	491837
MB 500-491837/1-A	Method Blank	Total/NA	Solid	8270D	491837
LCS 500-491837/2-A	Lab Control Sample	Total/NA	Solid	8270D	491837

Analysis Batch: 492092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-2	Solid Sample #2	Total/NA	Solid	8270D	491837

GC Semi VOA

Prep Batch: 491765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	Total/NA	Solid	3541	
500-165506-2	Solid Sample #2	Total/NA	Solid	3541	
500-165506-3	Jatco Soil	Total/NA	Solid	3541	
MB 500-491765/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-491765/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 491865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	Total/NA	Solid	8082A	491765
500-165506-2	Solid Sample #2	Total/NA	Solid	8082A	491765
500-165506-3	Jatco Soil	Total/NA	Solid	8082A	491765
MB 500-491765/1-A	Method Blank	Total/NA	Solid	8082A	491765
LCS 500-491765/2-A	Lab Control Sample	Total/NA	Solid	8082A	491765

Metals

Prep Batch: 491685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	Total/NA	Solid	7471B	
500-165506-2	Solid Sample #2	Total/NA	Solid	7471B	
500-165506-3	Jatco Soil	Total/NA	Solid	7471B	
MB 500-491685/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-491685/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 491831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	Total/NA	Solid	3050B	
500-165506-2	Solid Sample #2	Total/NA	Solid	3050B	
500-165506-3	Jatco Soil	Total/NA	Solid	3050B	

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QC Association Summary

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

Job ID: 500-165506-1

Metals (Continued)

Prep Batch: 491831 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-491831/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-491831/2-A	Lab Control Sample	Total/NA	Solid	3050B	
500-165506-3 MS	Jatco Soil	Total/NA	Solid	3050B	
500-165506-3 MSD	Jatco Soil	Total/NA	Solid	3050B	
500-165506-3 DU	Jatco Soil	Total/NA	Solid	3050B	

Analysis Batch: 491905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	Total/NA	Solid	7471B	491685
500-165506-2	Solid Sample #2	Total/NA	Solid	7471B	491685
500-165506-3	Jatco Soil	Total/NA	Solid	7471B	491685
MB 500-491685/12-A	Method Blank	Total/NA	Solid	7471B	491685
LCS 500-491685/13-A	Lab Control Sample	Total/NA	Solid	7471B	491685

Analysis Batch: 492041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	Total/NA	Solid	6010B	491831
500-165506-2	Solid Sample #2	Total/NA	Solid	6010B	491831
500-165506-3	Jatco Soil	Total/NA	Solid	6010B	491831
MB 500-491831/1-A	Method Blank	Total/NA	Solid	6010B	491831
LCS 500-491831/2-A	Lab Control Sample	Total/NA	Solid	6010B	491831
500-165506-3 MS	Jatco Soil	Total/NA	Solid	6010B	491831
500-165506-3 MSD	Jatco Soil	Total/NA	Solid	6010B	491831
500-165506-3 DU	Jatco Soil	Total/NA	Solid	6010B	491831

General Chemistry

Analysis Batch: 491710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-165506-1	Solid Sample #1	Total/NA	Solid	Moisture	
500-165506-2	Solid Sample #2	Total/NA	Solid	Moisture	
500-165506-3	Jatco Soil	Total/NA	Solid	Moisture	
500-165506-3 DU	Jatco Soil	Total/NA	Solid	Moisture	

Surrogate Summary

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

Job ID: 500-165506-1

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)
500-165506-1	Solid Sample #1	56	69	59
500-165506-2 - RA	Solid Sample #2	107	110	85
500-165506-2	Solid Sample #2	106	116	95
500-165506-3	Jatco Soil	81	91	79
LCS 500-491837/2-A	Lab Control Sample	95	99	90
MB 500-491837/1-A	Method Blank	84	96	86

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)
500-165506-1	Solid Sample #1	90	71
500-165506-2	Solid Sample #2	102	136 X
500-165506-3	Jatco Soil	79	82
LCS 500-491765/2-A	Lab Control Sample	91	92
MB 500-491765/1-A	Method Blank	90	92

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: 500-165506-1

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

Lab Sample ID: MB 500-491837/1-A

Matrix: Solid

Analysis Batch: 491943

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 491837

Analyte	MB	MB	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<6.0		33	6.0	ug/Kg		06/25/19 08:16	06/25/19 16:06	1
Acenaphthylene	<4.4		33	4.4	ug/Kg		06/25/19 08:16	06/25/19 16:06	1
Anthracene	<5.6		33	5.6	ug/Kg		06/25/19 08:16	06/25/19 16:06	1
Benzo[a]anthracene	<4.5		33	4.5	ug/Kg		06/25/19 08:16	06/25/19 16:06	1
Benzo[a]pyrene	<6.4		33	6.4	ug/Kg		06/25/19 08:16	06/25/19 16:06	1
Benzo[b]fluoranthene	<7.2		33	7.2	ug/Kg		06/25/19 08:16	06/25/19 16:06	1
Benzo[g,h,i]perylene	<11		33	11	ug/Kg		06/25/19 08:16	06/25/19 16:06	1
Benzo[k]fluoranthene	<9.8		33	9.8	ug/Kg		06/25/19 08:16	06/25/19 16:06	1
Chrysene	<9.1		33	9.1	ug/Kg		06/25/19 08:16	06/25/19 16:06	1
Dibenz(a,h)anthracene	<6.4		33	6.4	ug/Kg		06/25/19 08:16	06/25/19 16:06	1
Fluoranthene	<6.2		33	6.2	ug/Kg		06/25/19 08:16	06/25/19 16:06	1
Fluorene	<4.7		33	4.7	ug/Kg		06/25/19 08:16	06/25/19 16:06	1
Indeno[1,2,3-cd]pyrene	<8.6		33	8.6	ug/Kg		06/25/19 08:16	06/25/19 16:06	1
Naphthalene	<5.1		33	5.1	ug/Kg		06/25/19 08:16	06/25/19 16:06	1
Phenanthrene	<4.6		33	4.6	ug/Kg		06/25/19 08:16	06/25/19 16:06	1
Pyrene	<6.6		33	6.6	ug/Kg		06/25/19 08:16	06/25/19 16:06	1
1-Methylnaphthalene	<8.1		67	8.1	ug/Kg		06/25/19 08:16	06/25/19 16:06	1
2-Methylnaphthalene	<6.1		67	6.1	ug/Kg		06/25/19 08:16	06/25/19 16:06	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5 (Surr)	84		37 - 147	06/25/19 08:16	06/25/19 16:06	1
Terphenyl-d14 (Surr)	96		42 - 157	06/25/19 08:16	06/25/19 16:06	1
2-Fluorobiphenyl (Surr)	86		43 - 145	06/25/19 08:16	06/25/19 16:06	1

Lab Sample ID: LCS 500-491837/2-A

Matrix: Solid

Analysis Batch: 491943

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 491837

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
Acenaphthene	1330	1160		ug/Kg		87	65 - 124
Acenaphthylene	1330	1210		ug/Kg		91	68 - 120
Anthracene	1330	1230		ug/Kg		92	70 - 114
Benzo[a]anthracene	1330	1230		ug/Kg		92	67 - 122
Benzo[a]pyrene	1330	1450		ug/Kg		109	65 - 133
Benzo[b]fluoranthene	1330	1300		ug/Kg		97	69 - 129
Benzo[g,h,i]perylene	1330	1230		ug/Kg		92	72 - 131
Benzo[k]fluoranthene	1330	1310		ug/Kg		98	68 - 127
Chrysene	1330	1230		ug/Kg		92	63 - 120
Dibenz(a,h)anthracene	1330	1270		ug/Kg		95	64 - 131
Fluoranthene	1330	1230		ug/Kg		92	62 - 120
Fluorene	1330	1160		ug/Kg		87	62 - 120
Indeno[1,2,3-cd]pyrene	1330	1300		ug/Kg		98	68 - 130
Naphthalene	1330	1200		ug/Kg		90	63 - 110
Phenanthrene	1330	1170		ug/Kg		88	62 - 120
Pyrene	1330	1260		ug/Kg		94	61 - 128
1-Methylnaphthalene	1330	1190		ug/Kg		89	68 - 111
2-Methylnaphthalene	1330	1150		ug/Kg		86	69 - 112

Eurofins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-165506-1

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

Lab Sample ID: LCS 500-491837/2-A
Matrix: Solid
Analysis Batch: 491943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 491837

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	95		37 - 147
Terphenyl-d14 (Surr)	99		42 - 157
2-Fluorobiphenyl (Surr)	90		43 - 145

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

Lab Sample ID: MB 500-491765/1-A
Matrix: Solid
Analysis Batch: 491865

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 491765

Analyte	MB MB		LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<5.9		17	5.9	ug/Kg		06/24/19 18:15	06/25/19 12:03	1
PCB-1221	<7.3		17	7.3	ug/Kg		06/24/19 18:15	06/25/19 12:03	1
PCB-1232	<7.3		17	7.3	ug/Kg		06/24/19 18:15	06/25/19 12:03	1
PCB-1242	<5.5		17	5.5	ug/Kg		06/24/19 18:15	06/25/19 12:03	1
PCB-1248	<6.6		17	6.6	ug/Kg		06/24/19 18:15	06/25/19 12:03	1
PCB-1254	<3.6		17	3.6	ug/Kg		06/24/19 18:15	06/25/19 12:03	1
PCB-1260	<8.2		17	8.2	ug/Kg		06/24/19 18:15	06/25/19 12:03	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	90		49 - 129	06/24/19 18:15	06/25/19 12:03	1
DCB Decachlorobiphenyl	92		37 - 121	06/24/19 18:15	06/25/19 12:03	1

Lab Sample ID: LCS 500-491765/2-A
Matrix: Solid
Analysis Batch: 491865

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 491765

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
PCB-1016	167	165		ug/Kg		99	57 - 120
PCB-1260	167	156		ug/Kg		94	61 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	91		49 - 129
DCB Decachlorobiphenyl	92		37 - 121

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-491831/1-A
Matrix: Solid
Analysis Batch: 492041

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 491831

Analyte	MB MB		LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.34		1.0	0.34	mg/Kg		06/25/19 07:43	06/25/19 15:57	1
Barium	<0.11		1.0	0.11	mg/Kg		06/25/19 07:43	06/25/19 15:57	1
Cadmium	0.0625	J	0.20	0.036	mg/Kg		06/25/19 07:43	06/25/19 15:57	1
Chromium	<0.50		1.0	0.50	mg/Kg		06/25/19 07:43	06/25/19 15:57	1
Lead	<0.23		0.50	0.23	mg/Kg		06/25/19 07:43	06/25/19 15:57	1
Selenium	<0.59		1.0	0.59	mg/Kg		06/25/19 07:43	06/25/19 15:57	1

Eurofins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-165506-1

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

Lab Sample ID: MB 500-491831/1-A
Matrix: Solid
Analysis Batch: 492041

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 491831

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.13		0.50	0.13	mg/Kg		06/25/19 07:43	06/25/19 15:57	1

Lab Sample ID: LCS 500-491831/2-A
Matrix: Solid
Analysis Batch: 492041

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 491831

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	10.0	8.61		mg/Kg		86	80 - 120
Barium	200	197		mg/Kg		99	80 - 120
Cadmium	5.00	4.59		mg/Kg		92	80 - 120
Chromium	20.0	19.1		mg/Kg		95	80 - 120
Lead	10.0	9.10		mg/Kg		91	80 - 120
Selenium	10.0	8.50		mg/Kg		85	80 - 120
Silver	5.00	4.52		mg/Kg		90	80 - 120

Lab Sample ID: 500-165506-3 MS
Matrix: Solid
Analysis Batch: 492041

Client Sample ID: Jatco Soil
Prep Type: Total/NA
Prep Batch: 491831

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	0.48	J	9.72	9.96		mg/Kg	☼	98	75 - 125
Barium	8.6		194	197		mg/Kg	☼	97	75 - 125
Cadmium	0.13	J B	4.86	4.56		mg/Kg	☼	91	75 - 125
Chromium	3.0		19.4	21.6		mg/Kg	☼	96	75 - 125
Lead	1.4		9.72	10.8		mg/Kg	☼	97	75 - 125
Selenium	<0.56		9.72	8.82		mg/Kg	☼	91	75 - 125
Silver	0.49		4.86	5.27		mg/Kg	☼	98	75 - 125

Lab Sample ID: 500-165506-3 MSD
Matrix: Solid
Analysis Batch: 492041

Client Sample ID: Jatco Soil
Prep Type: Total/NA
Prep Batch: 491831

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	0.48	J	10.0	10.1		mg/Kg	☼	97	75 - 125	2	20
Barium	8.6		200	202		mg/Kg	☼	97	75 - 125	2	20
Cadmium	0.13	J B	5.00	4.86		mg/Kg	☼	95	75 - 125	6	20
Chromium	3.0		20.0	21.4		mg/Kg	☼	92	75 - 125	1	20
Lead	1.4		10.0	11.4		mg/Kg	☼	100	75 - 125	5	20
Selenium	<0.56		10.0	8.88		mg/Kg	☼	89	75 - 125	1	20
Silver	0.49		5.00	5.32		mg/Kg	☼	96	75 - 125	1	20

Lab Sample ID: 500-165506-3 DU
Matrix: Solid
Analysis Batch: 492041

Client Sample ID: Jatco Soil
Prep Type: Total/NA
Prep Batch: 491831

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Arsenic	0.48	J	<0.35		mg/Kg	☼	NC	20
Barium	8.6		8.98		mg/Kg	☼	5	20
Cadmium	0.13	J B	0.164	J F5	mg/Kg	☼	26	20
Chromium	3.0		2.45		mg/Kg	☼	20	20

Euromins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-165506-1

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

Lab Sample ID: 500-165506-3 DU
 Matrix: Solid
 Analysis Batch: 492041

Client Sample ID: Jatco Soil
 Prep Type: Total/NA
 Prep Batch: 491831

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	1.4		1.17		mg/Kg	✖	15	20
Selenium	<0.56		<0.61		mg/Kg	✖	NC	20
Silver	0.49		0.497	J	mg/Kg	✖	0.6	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-491685/12-A
 Matrix: Solid
 Analysis Batch: 491905

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 491685

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<5.6		17	5.6	ug/Kg		06/24/19 15:20	06/25/19 08:18	1

Lab Sample ID: LCS 500-491685/13-A
 Matrix: Solid
 Analysis Batch: 491905

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 491685

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	167	167		ug/Kg		100	80 - 120

Lab Chronicle

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

Job ID: 500-165506-1

Client Sample ID: Solid Sample #1

Date Collected: 06/20/19 00:00

Date Received: 06/21/19 09:20

Lab Sample ID: 500-165506-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	491710	06/24/19 13:36	LWN	TAL CHI

Client Sample ID: Solid Sample #1

Date Collected: 06/20/19 00:00

Date Received: 06/21/19 09:20

Lab Sample ID: 500-165506-1

Matrix: Solid

Percent Solids: 78.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			491837	06/25/19 08:16	DX	TAL CHI
Total/NA	Analysis	8270D		1	491943	06/25/19 19:29	STW	TAL CHI
Total/NA	Prep	3541			491765	06/24/19 18:15	JP1	TAL CHI
Total/NA	Analysis	8082A		10	491865	06/25/19 13:36	BJH	TAL CHI
Total/NA	Prep	3050B			491831	06/25/19 07:43	SAH	TAL CHI
Total/NA	Analysis	6010B		1	492041	06/25/19 16:33	EEN	TAL CHI
Total/NA	Prep	7471B			491685	06/24/19 15:20	MJG	TAL CHI
Total/NA	Analysis	7471B		1	491905	06/25/19 09:09	MJG	TAL CHI

Client Sample ID: Solid Sample #2

Date Collected: 06/20/19 00:00

Date Received: 06/21/19 09:20

Lab Sample ID: 500-165506-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	491710	06/24/19 13:36	LWN	TAL CHI

Client Sample ID: Solid Sample #2

Date Collected: 06/20/19 00:00

Date Received: 06/21/19 09:20

Lab Sample ID: 500-165506-2

Matrix: Solid

Percent Solids: 73.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541	RA		491837	06/25/19 08:16	DX	TAL CHI
Total/NA	Analysis	8270D	RA	5	491943	06/26/19 02:44	STW	TAL CHI
Total/NA	Prep	3541			491837	06/25/19 08:16	DX	TAL CHI
Total/NA	Analysis	8270D		5	492092	06/26/19 17:04	AJD	TAL CHI
Total/NA	Prep	3541			491765	06/24/19 18:15	JP1	TAL CHI
Total/NA	Analysis	8082A		10	491865	06/25/19 13:51	BJH	TAL CHI
Total/NA	Prep	3050B			491831	06/25/19 07:43	SAH	TAL CHI
Total/NA	Analysis	6010B		1	492041	06/25/19 16:37	EEN	TAL CHI
Total/NA	Prep	7471B			491685	06/24/19 15:20	MJG	TAL CHI
Total/NA	Analysis	7471B		1	491905	06/25/19 09:11	MJG	TAL CHI

Client Sample ID: Jatco Soil

Date Collected: 06/20/19 00:00

Date Received: 06/21/19 09:20

Lab Sample ID: 500-165506-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	491710	06/24/19 13:36	LWN	TAL CHI

Lab Chronicle

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

Job ID: 500-165506-1

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

Percent Solids: 96.7

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Prep	3541			491837	06/25/19 08:16	DX	TAL CHI
Total/NA	Analysis	8270D		1	491943	06/25/19 19:58	STW	TAL CHI
Total/NA	Prep	3541			491765	06/24/19 18:15	JP1	TAL CHI
Total/NA	Analysis	8082A		1	491865	06/25/19 14:07	BJH	TAL CHI
Total/NA	Prep	3050B			491831	06/25/19 07:43	SAH	TAL CHI
Total/NA	Analysis	6010B		1	492041	06/25/19 16:41	EEN	TAL CHI
Total/NA	Prep	7471B			491685	06/24/19 15:20	MJG	TAL CHI
Total/NA	Analysis	7471B		1	491905	06/25/19 09:13	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: 500-165506-1

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.




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: 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)		WO #:						Total Number of containers: Other:	
Email: ddunn@enviroanalyticsgroup.com		Project #: 50014801							
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=wastelol, BT=Tissue, A=Air)	
						Preservation Code:			
						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: 6/20/19		Company:		Received by: <u>Paula Buckley</u>		Date/Time: 6/20/19 0920	
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: 1.3 → 3.3 489t			

DMT 6/21/19

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

SHIP DATE: 20JUN19
ACTWGT: 48.60 LB
CAD: 006994388/SSFE2002
DIMS: 24x13x14 IN
BILL THIRD PARTY

Part #: 156297-455 R1T2 EXP 09/18 **

TO EUROFINS TESTAMERICA, CHICAGO

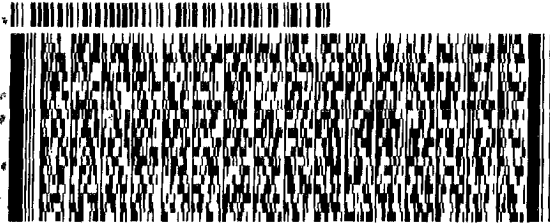
2417 BOND ST

UNIVERSITY PARK IL 60484

(330) 312-0176

REF:

DEPT:



FedEx
Express



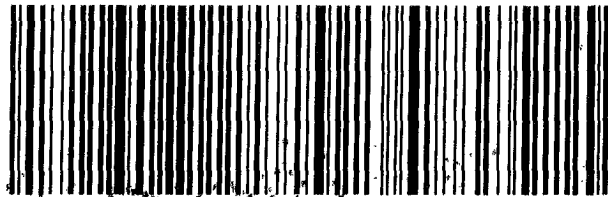
AN 0201000101676

TRK# 7880 0966 4116
0201

FRI - 21 JUN 10:30A
PRIORITY OVERNIGHT

79 JOTA

AHS
60484
IL-US ORD



500-165506 Waybill

Login Sample Receipt Checklist

Client: EnviroAnalytics Group LLC

Job Number: 500-165506-1

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	

