

CT LAB Sample#: 701845 Sample Description: MW-30P

Sampled: 03/29/2016 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Arsenic	<0.50	ug/L	0.50	1.6	1		04/01/2016 10:00	04/11/2016 11:53	MDS	EPA 7010
Dissolved Selenium	<1.2	ug/L	1.2	3.8	1		04/01/2016 10:00	04/08/2016 09:25	MDS	EPA 7010
Dissolved Barium	10.4	ug/L	0.70	2.2	1			04/01/2016 18:35	NAH	EPA 6010C
Dissolved Cadmium	<0.26	ug/L	0.26	0.87	1			04/01/2016 18:35	NAH	EPA 6010C
Dissolved Chromium	1.4	ug/L	1.0 *	3.4	1			04/01/2016 18:35	NAH	EPA 6010C
Dissolved Copper	<1.6	ug/L	1.6	5.5	1			04/01/2016 18:35	NAH	EPA 6010C
Dissolved Lead	<1.5	ug/L	1.5	5.0	1			04/01/2016 18:35	NAH	EPA 6010C
Dissolved Manganese	9.3	ug/L	1.6	5.3	1			04/01/2016 18:35	NAH	EPA 6010C
Dissolved Selenium	<12	ug/L	12	40	1			04/01/2016 18:35	NAH	EPA 6010C
Dissolved Silver	<2.0	ug/L	2.0	6.8	1			04/01/2016 18:35	NAH	EPA 6010C
Dissolved Zinc	<1.9	ug/L	1.9	6.2	1			04/01/2016 18:35	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		04/01/2016 08:00	04/04/2016 11:19	LJF	EPA 7470A
Dissolved Boron	0.0034	mg/L	0.0030 *	0.010	1			04/01/2016 18:35	NAH	EPA 6010C
Dissolved Hardness	108	mg/L	0.032	0.11	1			04/01/2016 18:35	NAH	SM2340B/6010

CT LAB Sample#: 701846 Sample Description: MW-29

Sampled: 03/29/2016 1330

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Dissolved	190	mg/L	5.0	18	1			04/01/2016 14:02	MER	EPA 310.2
Dissolved COD	<14	mg/L	14	47	1		04/06/2016 10:00	04/06/2016 15:30	LJS	EPA 410.4
Dissolved Chloride	<1.0	mg/L	1.0	3.5	1			03/31/2016 17:28	JJF	EPA 9056A
Dissolved Fluoride	<0.12	mg/L	0.12	0.42	1			03/31/2016 17:28	JJF	EPA 9056A
Dissolved Sulfate	8.9	mg/L	1.0	3.4	1			03/31/2016 17:28	JJF	EPA 9056A
Nitrate+Nitrite Nitrogen,Diss	<0.045	mg/L	0.045	0.15	1			04/07/2016 13:59	MER	EPA 353.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 701846 Sample Description: MW-29

Sampled: 03/29/2016 1330

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Arsenic	<0.50	ug/L	0.50	1.6	1		04/01/2016 10:00	04/11/2016 12:12	MDS	EPA 7010
Dissolved Selenium	<1.2	ug/L	1.2	3.8	1		04/01/2016 10:00	04/08/2016 09:42	MDS	EPA 7010
Dissolved Barium	14.3	ug/L	0.70	2.2	1			04/01/2016 18:42	NAH	EPA 6010C
Dissolved Cadmium	<0.26	ug/L	0.26	0.87	1			04/01/2016 18:42	NAH	EPA 6010C
Dissolved Chromium	<1.0	ug/L	1.0	3.4	1			04/01/2016 18:42	NAH	EPA 6010C
Dissolved Copper	<1.6	ug/L	1.6	5.5	1			04/01/2016 18:42	NAH	EPA 6010C
Dissolved Lead	<1.5	ug/L	1.5	5.0	1			04/01/2016 18:42	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6	5.3	1			04/01/2016 18:42	NAH	EPA 6010C
Dissolved Selenium	<12	ug/L	12	40	1			04/01/2016 18:42	NAH	EPA 6010C
Dissolved Silver	<2.0	ug/L	2.0	6.8	1			04/01/2016 18:42	NAH	EPA 6010C
Dissolved Zinc	<1.9	ug/L	1.9	6.2	1			04/01/2016 18:42	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		04/01/2016 08:00	04/04/2016 11:21	LJF	EPA 7470A
Dissolved Boron	0.0044	mg/L	0.0030 *	0.010	1			04/01/2016 18:42	NAH	EPA 6010C
Dissolved Hardness	169	mg/L	0.032	0.11	1			04/01/2016 18:42	NAH	SM2340B/6010



AYRES ASSOCIATES

Project Name: ADAMS COUNTY LANDFILL

Project #:

Project Phase:

Contract #: 1451

Folder #: 117926

Page 6 of 6

Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Eric T. Korthals
Project Manager
608-356-2760

QC Qualifiers

Code

Description

B Analyte detected in the associated Method Blank.

C Toxicity present in BOD sample.

D Diluted Out.

E Safe, No Total Coliform detected.

F Unsafe, Total Coliform detected, no E. Coli detected.

G Unsafe, Total Coliform detected and E. Coli detected.

H Holding time exceeded.

I BOD incubator temperature was outside acceptance limits during test period.

J Estimated value.

L Significant peaks were detected outside the chromatographic window.

M Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.

N Insufficient BOD oxygen depletion.

O Complete BOD oxygen depletion.

P Concentration of analyte differs more than 40% between primary and confirmation analysis.

Q Laboratory Control Sample outside acceptance limits.

R See Narrative at end of report.

S Surrogate standard recovery outside acceptance limits due to apparent matrix effects.

T Sample received with improper preservation or temperature.

U Analyte concentration was below detection limit.

V Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.

W Sample amount received was below program minimum.

X Analyte exceeded calibration range.

Y Replicate/Duplicate precision outside acceptance limits.

Z Specified calibration criteria was not met.

Current CT Laboratories Certifications

Kansas NELAP ID# E-10368

Kentucky ID# 0023

ISO/IEC 17025-2005 A2LA Cert # 3806.01

North Carolina ID# 674

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 105-289

DoD-ELAP A2LA 3806.01

GA EPD Stipulation ID E871111, Expires Annually

Louisiana ID # 115843

Virginia ID# 7608

Illinois NELAP ID # 002413

Wisconsin (WOSB) ID# WI-5499-WBE

Maryland ID# 344

PROJECT NO.	PROJECT NAME/CLIENT						
10-1070.12	Harris County Landfill						
SAMPLERS: (Signature)	Nicole Barker						
SAMPLE NO.	DATE	TIME	OM / RA	SAMPLE LOCATION/ DESCRIPTION	NO. OF CON-TAINERS	Field Filtered	REMARKS
1	3-27-16	12:25		MW-31	3	X X X	70807
2		12:05		MW-30			70844 See Attached Extra Parameters for
3		12:50		MW-30P			701845
4		1:30		MW-29			701846
5				Temp Blank	1		
Folder #: 117926 Company: AYRES ASSOCIATES Project: ADAMS COUNTY LAN Logged By: KVA PM ET							
Ayres Project Contact: Nicole Barker, Lori Rosemont					Ayres Project Manager: Neil Carney		
Invoice To: Ayres Associates							
RELINQUISHED BY: (Signature)		DATE / TIME		RECEIVED BY: (Signature)		DATE / TIME	
Nellie Barker		3-27-16/3:30		[Signature]		3-31-16 12:26	
Shipped on ice: yes no						COMMENTS:	
Received on ice: ☒ yes ☐ no						no 3-31-16	
Temp. if not received on ice: _____						3-31-16	

Ayres Associates Inc
Engineers/Architects/Scientists/Photogrammetrists
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
(715)834-3161 Fax(715)831-7500

AYRES

ASSOCIATES

Ayres Associates Inc.
Engineers/Architects/Scientists/Photogrammetrists
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
(715) 834-3161 Fax (715) 831-7500

AYRES
ASSOCIATES

FIELD SAMPLING REPORT

Site Name: Adam's Cr. Landfill Job#: 10-1070.12 Project Manager: LAR, NC Date: 5-26-16
 Sample collector(s): UAB Weather Conditions: Sunny ~80°F Lab: CT Labs

Sample Handling Methods:

Sampling Sequence:

I.D.		Type	Ref. Elev. ft. MSL	Depth to Bottom		Depth of Water	Sample ² method	Purging ³		Time	Sampling						Parameters																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
								Date	Time		Vol	Meter #	°C	D.O.	Sp. Cond. Ω	pH	Eh mV	Turb. Color	Odor	U				F				U				F																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

PRODUCT COLLECTION DATA

Note 3 - Purging
Size, In., I.D. gallons/sft

Well Id.	Depth to Product	Water	h1	h2	Product Volume

Note 2 - Sampling Method
Code Description

SSB	Stainless Steel Bail, Add Length
PVCB	PVC Bail, Add Length
TB	Teflon Bail, Add Length
DB	Disposable Bail, Add Length
GS	Grab Sample
Tap	Tap Sample
DS	Dedicated System
O	Other

Note 1 - Sample Type
Code Type Description

WPF	Well, PVC, Flush mt, Add Size
WPP	Well, PVC, Pro-top, Add Size
WS	Well, Steel, Add Size
SUR	Surface Water
LY	Lysimeter
LE	Leachate
RWS	Residential Water Supply
Sys	System, Add Influent/Effluent
O	Other

FIELD SAMPLING REPORT

Site Name: Adams' Gg LF Job#: 10-1070.12 Project Manager: LAR, NC Date: 5-26-10
 Sample collector(s): ARB Weather Conditions: Sunny ~ 80°F Lab.: GT Labs

Sampling Sequence: _____ Sample Handling Methods: _____

I.D.	Type	Ref. Elev. ft. MSL	Depth to Bottom	Depth of Water	Sample ² method	Purging ³		Time	°C	D.O.	Sp. Cond. Ω	pH	Meter #	Eh mV	Turb. Color	Odor	Parameters	
						Date	Time										Vol	U
MW 29	WSP	963.47	34.0	12.77	DB4	5-26-10	8.2	1:00	10.3		299	7.34						
Comments: _____																		
MW 2	WSP	964.96	24.51	940.45		5-26-10												
Comments: _____																		
MW 29	WSP	964.62	30.80	937.70		5-26-10												
Comments: _____																		
MW 19	WSP	960.06	29.58	936.48		5-26-10												
Comments: _____																		
MW 19	WSP	960.09	24.39	941.70		5-26-10												
Comments: _____																		
MW 19	WSP	965.31	24.95	940.39		5-26-10												
Comments: _____																		
MW 18	WSP	965.10	20.22	935.47		5-26-10												
Comments: _____																		

PRODUCT COLLECTION DATA

Note 3 - Purging
 Size, In. I.D. gallons/ft
 2 0.16
 3 0.4
 4 0.6
 5 1.0
 6 1.5
 8 2.6
 *see reverse for calculations

Note 2 - Sampling Method
 Code Description
 SSB Stainless Steel Bail, Add Length
 PVCB PVC Bail, Add Length
 TB Teflon Bail, Add Length
 DB Disposable Bail, Add Length
 GS Grab Sample
 Tap Tap Sample
 DS Dedicated System
 O Other _____

Note 1 - Sample Type
 Code Type Description
 WPF Well, PVC, Flush mt, Add Size
 WPP Well, PVC, Pro-top, Add Size
 WS Well, Steel, Add Size
 SUR Surface Water
 LY Lysimeter
 LE Leachate
 RWS Residential Water Supply
 Sys System, Add Influent/Effluent
 O Other _____

Well Id.	Depth to Product	Water	h1	h2	Product Volume

FIELD SAMPLING REPORT

Site Name: Adams City LF Job#: 10-1070.12 Project Manager: LAR, MC Date: 5-26-16

Sample collector(s): LAB Weather Conditions: Sunny Lab.: UT Labs

Site Name: Adams City LT
 Job#: 10-1070.12 Project Manager: LAK, M Date: 3-20-70
 Sample collector(s): MB Weather Conditions: Sunny Lab.: UT Labs

Sampling Sequence: _____

Sample Handling Methods: _____

[illegible]

Note 3 - Purina

Well Id.	Depth to Product	Water	h1	h2	Product Volume

H:\ADMIN\FIELD Sampling Report.xls
Revised 4/1/2015

Site Name: Adams City LF

91-072-5

9137 D

1

[illegible]

Code	Type	Description
WPF__	Well, PVC	Flush mt, Add Size
WPP__	Well, PVC	Pro-top, Add Size
WS__	Well, Steel	Add Size
SUR	Surface	Water
LY	Lysimeter	
LE	Leachate	
RWS	Residential Water	Supply
Sys__	System, Add	Influent/Effluent
0	Other	

Code	Description
SSB	Stainless Steel Bail, Add Length
PVCB	PVC Bail, Add Length
TB	Teflon Bail, Add Length
DB	Disposable Bail, Add Length
GS	Grab Sample
Tap	Tap Sample
DS	Dedicated System
0	Other

Size, in. i.d.	gallons/ft
2	0.16
3	0.4
4	0.6
5	1.0
6	1.5
8	2.6

* see reverse for calculations

PRODUCT COLLECTION DATA

Well Id.	Depth to Product	Water	h1	h2	Product Volume

ANALYTICAL REPORT

AYRES ASSOCIATES
LORI ROSEMORE
3433 OAKWOOD HILLS PKWY
EAU CLAIRE, WI 54701-1590

Project Name: ADAMS COUNTY LANDFILL

Page 1 of 3

Project Phase:

Arrival Temperature: See COC

Contract #: 1451

Report Date: 06/09/2016

Project #:

Date Received: 06/01/2016

Folder #: 119387

Reprint Date: 06/09/2016

Purchase Order #:

CT LAB Sample#: 730361 Sample Description: MW-31

Sampled: 05/26/2016 1050

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Dissolved	280	mg/L	5.0	18	1			06/08/2016 10:42	LJS	EPA 310.2
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		06/02/2016 10:00	06/02/2016 13:36	LJS	EPA 9012A
Dissolved Chloride	1.7	mg/L	0.70 *	2.4	1			06/03/2016 00:37	JJF	EPA 9056A
Metals Results										
Dissolved Lead	<1.5	ug/L	1.5	5.0	1			06/03/2016 23:10	NAH	EPA 6010C
Dissolved Hardness	273	mg/L	0.032	0.11	1			06/03/2016 23:10	NAH	SM2340B/6010

CT LAB Sample#: 730365 Sample Description: MW-30

Sampled: 05/26/2016 1135

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Dissolved	97	mg/L	5.0	18	1			06/08/2016 10:47	LJS	EPA 310.2
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		06/02/2016 10:00	06/02/2016 13:46	LJS	EPA 9012A
Dissolved Chloride	1.0	mg/L	0.70 *	2.4	1			06/03/2016 00:58	JJF	EPA 9056A

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 730365	Sample Description: MW-30	Sampled: 05/26/2016 1135
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Lead	<1.5	ug/L	1.5	5.0	1			06/03/2016 23:36	NAH	EPA 6010C
Dissolved Hardness	97.9	mg/L	0.032	0.11	1			06/03/2016 23:36	NAH	SM2340B/6010

CT LAB Sample#: 730366	Sample Description: MW-30P	Sampled: 05/26/2016 1215
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Dissolved	120	mg/L	5.0	18	1			06/08/2016 10:48	LJS	EPA 310.2
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		06/02/2016 10:00	06/02/2016 13:50	LJS	EPA 9012A
Dissolved Chloride	1.1	mg/L	0.70 *	2.4	1			06/03/2016 01:19	JJF	EPA 9056A
Metals Results										
Dissolved Hardness	121	mg/L	0.032	0.11	1			06/03/2016 23:43	NAH	SM2340B/6010

CT LAB Sample#: 730367	Sample Description: MW-29	Sampled: 05/26/2016 1300
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Dissolved	200	mg/L	5.0	18	1			06/08/2016 10:49	LJS	EPA 310.2
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		06/02/2016 10:00	06/02/2016 14:00	LJS	EPA 9012A
Dissolved Chloride	1.7	mg/L	0.70 *	2.4	1			06/03/2016 01:40	JJF	EPA 9056A
Metals Results										
Dissolved Hardness	194	mg/L	0.032	0.11	1	M		06/03/2016 23:50	NAH	SM2340B/6010



AYRES ASSOCIATES

Project Name: ADAMS COUNTY LANDFILL

Project #:

Project Phase:

Contract #: 1451

Folder #: 119387

Page 3 of 3

Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Eric T. Korthals
Project Manager
608-356-2760

QC Qualifiers

Code Description

B Analyte detected in the associated Method Blank.

C Toxicity present in BOD sample.

D Diluted Out.

E Safe, No Total Coliform detected.

F Unsafe, Total Coliform detected, no E. Coli detected.

G Unsafe, Total Coliform detected and E. Coli detected.

H Holding time exceeded.

I BOD incubator temperature was outside acceptance limits during test period.

J Estimated value.

L Significant peaks were detected outside the chromatographic window.

M Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.

N Insufficient BOD oxygen depletion.

O Complete BOD oxygen depletion.

P Concentration of analyte differs more than 40% between primary and confirmation analysis.

Q Laboratory Control Sample outside acceptance limits.

R See Narrative at end of report.

S Surrogate standard recovery outside acceptance limits due to apparent matrix effects.

T Sample received with improper preservation or temperature.

U Analyte concentration was below detection limit.

V Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.

W Sample amount received was below program minimum.

X Analyte exceeded calibration range.

Y Replicate/Duplicate precision outside acceptance limits.

Z Specified calibration criteria was not met.

Current CT Laboratories Certifications

Kansas NELAP ID# E-10368

Kentucky ID# 0023

ISO/IEC 17025-2005 A2LA Cert # 3806.01

North Carolina ID# 674

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 105-289

DoD-ELAP A2LA 3806.01

GA EPD Stipulation ID E871111, Expires Annually

Louisiana ID # 115843

Virginia ID# 7608

Illinois NELAP ID # 002413

Wisconsin (WOSB) ID# WI-5499-WBE

Maryland ID# 344

[illegible]

Ayres Project Contact: Nicole Bader		Ayres Project Manager: Lori Rosemore, Neil Carney	
Invoice To: Ayres Associates			
RELINQUISHED BY: (Signature) <i>Nicole Bader</i>	DATE / TIME 5-31-16/3:30	RECEIVED BY: (Signature) <i>Brenda</i>	DATE / TIME 5-1-16 1200 3.9.1200
AYRES ASSOCIATES Ayres Associates Inc Engineers/Architects/Scientists/Photogrammetrists 3433 Oakwood Hills Parkway Eau Claire, WI 54701 (715)834-3161 Fax(715)831-7500		Shipped on ice: ☒ yes ☐ no Received on ice: ☒ yes ☐ no Temp. if not received on ice: _____	

AVRES
ASSOCIATES

114357

Site Name: Adam's Ck LF

Job#: 10-1670.2

Project Manager:

Job#: 10-1670.12

Site Name: Adams Gully

Sample collector(s):

Weather Conditions:

151-51

Lab. 1

Date: 0-2-10

Lab.: U-labs

Sampling Sequence:

Sample Handling Methods:

[illegible]

Note 1 - Sample Type

Code	Type Description
WPF	Well, PVC, Flush mt, Add Size
WPP	Well, PVC, Pro-top, Add Size
WS	Well, Steel, Add Size
WSR	Surface Water
LY	Lysimeter
LE	Leachate
RWS	Residential Water Supply
Sys	System, Add Inflow/Effluent
O	Other

Note 2 – Sampling Method

Code	Description
SSSB	Stainless Steel Ball, Add Length
PVC/PVB	PVC Ball, Add Length
TB	Teflon Ball, Add Length
DB	Disposable Ball, Add Length
GS	Grab Sample
Tap	Tap Sample
DS	Dedicated System
O	Other

Note 3 - Purging

Size, In. I.D.	gallons/ft
2	0.16
3	0.4
4	0.6
5	1.0
6	1.5
8	2.6

PRODUCT COLLECTION DATA

Well Id.	Depth to Product	Water	h1	h2	Product Volume

FIELD SAMPLING REPORT

Site Name: Adams City LF Job#: 10-1670.12 Project Manager: ME Date: 6-27-16
 Sample collector(s): WAB Weather Conditions: Sunny, ~73°F Lab: CT Labs

Sampling Sequence: _____ Sample Handling Methods: _____

		Depth to Bottom				Depth of Water		Sample ² method	Purging ³		Time	Meter				Meter		Parameters	
I.D.	Type	Ref. Elev. ft. MSL	Depth to Water feet	Water Elev. ft. MSL	Vol	Date	Time		°C	D.O.		Sp. Cond. Ω	pH	Eh mV	Turb. Color	Odor	U	F	U
M10	WPP	963.47	34.52	941.48	8.0	6-27-16	1:20	9.1		314	8.01			high	—				
29	2		21.99	941.48															
Comments: _____																			
M10	WPP	964.96	36.35	941.48	7.3	6-27-16	1:57												
2	2		24.87	940.09															
Comments: <u>400L</u>																			
M10	WPP	964.62	46.73	937.18	25	6-27-16	2:07												
62	2		27.25	937.37															
Comments: _____																			
M10	WPP	966.09	32.80	941.65	5.0	6-27-16	2:48												
19	2		24.44	941.65															
Comments: <u>Earlier top broke - fell to bottom w/ 40 top to break. Hooks caught bottom & fishing line broke w/ hooks went into stream & moved</u>																			
M10	WPP	966.06	50.55	936.07	19.8	6-27-16	3:10												
10	2		29.99	936.07															
Comments: _____																			
M10	WPP	965.34	24.16	941.18		6-27-16	3:35												
16	2																		
Comments: _____																			
M10	WPP	965.69	30.65	935.04		6-27-16	3:55												
18	2																		
Comments: _____																			

PRODUCT COLLECTION DATA

Note 3 - Purging
 Size, In. I.D. gallons/ft
 2 0.16
 3 0.4
 4 0.6
 5 1.0
 6 1.5
 8 2.6
 * see reverse for calculations

Note 2 - Sampling Method
 Code Description
 SSB Stainless Steel Bail, Add Length
 PVCB PVC Bail, Add Length
 TB Teflon Bail, Add Length
 DB Disposable Bail, Add Length
 GS Grab Sample
 Tap Tap Sample
 DS Residential Water Supply
 O Other

Note 1 - Sample Type
 Code Type Description
 WPF Well, PVC, Flush mt, Add Size
 WPP Well, PVC, Pro-top, Add Size
 WS Well, Steel, Add Size
 SUR Surface Water
 LY Lysimeter
 LE Leachate
 RWS Residential Water Supply
 Sys System, Add Influent/Effluent
 O Other

Well Id	Depth to Product	Water	h1	h2	Product Volume

FIELD SAMPLING REPORT

Site Name: Adam's City LF Job#: D-1070.12 Project Manager: AK Date: 6-27-16

Sample collector(s): AS Weather Conditions: Sunny ~78°F Lab: OT Labs

Sampling Sequence: _____ Sample Handling Methods: _____

Sampling										Parameters									
I.D.	Type	Ref. Elev. ft. MSL	Depth		Sample ² method	Purging ³		Time	°C	D.O.	Sp. Cond. Ω	pH	Eh mV	Turb. Colbr	Odor	Parameters			
			to Bottom	to Water		Depth	Elev. ft. MSL									Date	Time	Meter #	Meter #
MW	1	960.53	240	62	933.91			6-27-16	3:40										
Comments: _____																			
MW	1P	960.64	240	86	933.78			6-27-16	3:45										
Comments: _____																			
MW	2	968.09	288	30	939.70			6-27-16	3:55										
Comments: MW 7P ORGW = 35.47 ELEV: 933.11																			
MW	2-1	967.16	287	62	939.54			6-27-16	4:00										
Comments: _____																			
MW	2-2	966.06	286	65	939.41			6-27-16	4:05										
Comments: _____																			
MW	6	975.27	344	48	940.79			6-27-16	4:10										
Comments: _____																			
MW	6P	976.08	448	90	933.18			6-27-16	4:15										
Comments: _____																			

PRODUCT COLLECTION DATA

Note 3 - Purging

Size, In. I.D.	Gallons/ft
2	0.16
3	0.4
4	0.6
5	1.0
6	1.5
8	2.6

* see reverse for calculations

Note 2 - Sampling Method

Code	Description
SSB	Stainless Steel Bail, Add Length
PVCB	PVC Bail, Add Length
TB	Teflon Bail, Add Length
DB	Disposable Bail, Add Length
GS	Grab Sample
Tap	Tap Sample
DS	Dedicated System
O	Other _____

Note 1 - Sample Type

Code	Type Description
WPF	Well, PVC, Flush mt, Add Size
WPP	Well, PVC, Pro-top, Add Size
WS	Well, Steel, Add Size
SUR	Surface Water
LY	Lysimeter
LE	Leachate
RWS	Residential Water Supply
Sys	System, Add Influent/Effluent
O	Other _____

Site Name: Adams City LF Job#: 10-1070.12 Project Manager: NC Date: 6-27-16

Sample collector(s): APB Weather Conditions: Sunny ~73°F Lab: UT Labs

Sampling Sequence:

Sampling															Parameters											
I.D.	Type	Ref. Elev ft, MSL	Depth to Bottom		Depth of Water	Sample ² method	Purging ³		Time	°C	D.O.	Sp. Cond, Ω	pH	Eh mV	Turb.	Color	Odor	U	F	U	F	U	F	U	F	
			Depth to Water feet	Water Elev. ft, MSL			Date	Time																		Vol
M10 20	WSP 2	971.36	31.39	939.97			10-27-16 4:20																			
Comments:																										
M10 21	WSP 2	965.54	25.31	940.23			10-27-16 4:25																			
Comments:																										
M10 22	WSP 2	962.87	21.25	941.62			10-27-16 4:30																			
Comments:																										
M10 23	WSP 2	965.14	23.42	941.72			10-27-16 4:35																			
Comments:																										
M10 110	WSP 2	963.42	30.23 22.02	932.1 941.46	DB4		10-27-16 4:42	5.2	4:50																	
Comments:																										
M10 27	WSP 2	980.64	26.60	944.04			10-27-16 5:05																			
Comments:																										
M10 67	WSP 2	974.04	31.06	942.98			10-27-16 5:10																			
Comments:																										

Note 1 -- Sample Type

Code	Type Description
WPPE__	Well, PVC, Flush mt, Add Size
WPP__	Well, PVC, Pro-top, Add Size
WWS__	Well, Steel, Add Size
SUR	Surface Water
LY	Lysimeter
LE	Leachate
RWS	Residential Water Supply
Sys__	System, Add Influent/Effluent
O	Other

Note 2 - Sampling Method

Code	Description
SSB_____	Stainless Steel Ball, Add Length
PVCB_____	PVC Ball, Add Length
TB_____	Teflon Ball, Add Length
DB_____	Disposable Ball, Add Length
GS	Grab Sample
Tap	Tap Sample
DS	Dedicated System
0	Other

№ 3 - Purina

Size, in. I.D.	gallons/ft
2	0.16
3	0.4
4	0.6
5	1.0
6	1.5
8	2.6

* see reverse for calculations

PRODUCT COLLECTION DATA

Well Id.	Depth to Product	Water	h1	h2	Product Volume

ANALYTICAL REPORT

AYRES ASSOCIATES
LORI ROSEMORE
3433 OAKWOOD HILLS PKWY
EAU CLAIRE, WI 54701-1590

Project Name: ADAMS CO LF
Project Phase:
Contract #: 1451
Project #: 10-1070.12
Folder #: 120075
Purchase Order #:

Page 1 of 9
Arrival Temperature: See COC
Report Date: 07/11/2016
Date Received: 06/29/2016
Reprint Date: 07/11/2016

CT LAB Sample#: 739919 Sample Description: MW-31

Sampled: 06/27/2016 1020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Dissolved	290	mg/L	5.0	18	1			07/05/2016 14:37	LJS	EPA 310.2
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		07/07/2016 09:37	07/07/2016 11:29	MER	EPA 9012A
Dissolved Chloride	2.2	mg/L	0.70 *	2.4	1			06/29/2016 16:55	JJF	EPA 9056A

Metals Results

Dissolved Lead	<1.5	ug/L	1.5	5.0	1			06/30/2016 13:56	NAH	EPA 6010C
Dissolved Hardness	249	mg/L	0.032	0.11	1			06/30/2016 13:56	NAH	SM2340B/6010

CT LAB Sample#: 739920 Sample Description: MW-3P

Sampled: 06/27/2016 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		07/07/2016 09:37	07/07/2016 11:32	MER	EPA 9012A
Metals Results										
Dissolved Selenium	<1.2	ug/L	1.2	3.8	1		07/05/2016 09:00	07/08/2016 11:50	MDS	EPA 7010

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 739920		Sample Description: MW-3P		Sampled: 06/27/2016 1120	
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Cadmium	<0.26	ug/L	0.26	0.87	1			06/30/2016 14:03	NAH	EPA 6010C
Dissolved Chromium	<1.0	ug/L	1.0	3.4	1			06/30/2016 14:03	NAH	EPA 6010C
Dissolved Copper	<1.6	ug/L	1.6	5.5	1			06/30/2016 14:03	NAH	EPA 6010C
Dissolved Lead	1.9	ug/L	1.5 *	5.0	1			06/30/2016 14:03	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6	5.3	1			06/30/2016 14:03	NAH	EPA 6010C
Dissolved Silver	<2.0	ug/L	2.0	6.8	1			06/30/2016 14:03	NAH	EPA 6010C
Dissolved Mercury	0.091	ug/L	0.020	0.066	1		07/07/2016 08:00	07/08/2016 10:05	LJF	EPA 7470A

CT LAB Sample#: 739922		Sample Description: MW-3		Sampled: 06/27/2016 1047	
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		07/07/2016 09:37	07/07/2016 11:36	MER	EPA 9012A
Metals Results										
Dissolved Selenium	<1.2	ug/L	1.2	3.8	1		07/05/2016 09:00	07/08/2016 12:07	MDS	EPA 7010
Dissolved Cadmium	<0.26	ug/L	0.26	0.87	1			06/30/2016 14:10	NAH	EPA 6010C
Dissolved Chromium	<1.0	ug/L	1.0	3.4	1			06/30/2016 14:10	NAH	EPA 6010C
Dissolved Copper	<1.6	ug/L	1.6	5.5	1			06/30/2016 14:10	NAH	EPA 6010C
Dissolved Lead	1.7	ug/L	1.5 *	5.0	1			06/30/2016 14:10	NAH	EPA 6010C
Dissolved Manganese	1.8	ug/L	1.6 *	5.3	1			06/30/2016 14:10	NAH	EPA 6010C
Dissolved Silver	<2.0	ug/L	2.0	6.8	1			06/30/2016 14:10	NAH	EPA 6010C
Dissolved Mercury	0.090	ug/L	0.020	0.066	1		07/07/2016 08:00	07/08/2016 10:07	LJF	EPA 7470A

CT LAB Sample#: 739923		Sample Description: MW-17		Sampled: 06/27/2016 1145	
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		07/07/2016 09:37	07/07/2016 11:43	MER	EPA 9012A
Metals Results										
Dissolved Copper	<1.6	ug/L	1.6	5.5	1			06/30/2016 14:17	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6	5.3	1			06/30/2016 14:17	NAH	EPA 6010C

CT LAB Sample#: 739924		Sample Description: MW-17P		Sampled: 06/27/2016 1220	
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		07/07/2016 09:37	07/07/2016 11:46	MER	EPA 9012A
Metals Results										
Dissolved Selenium	<1.2	ug/L	1.2	3.8	1		07/05/2016 09:00	07/08/2016 12:24	MDS	EPA 7010
Dissolved Cadmium	<0.26	ug/L	0.26	0.87	1			06/30/2016 14:24	NAH	EPA 6010C
Dissolved Chromium	<1.0	ug/L	1.0	3.4	1			06/30/2016 14:24	NAH	EPA 6010C
Dissolved Copper	<1.6	ug/L	1.6	5.5	1			06/30/2016 14:24	NAH	EPA 6010C
Dissolved Lead	1.9	ug/L	1.5 *	5.0	1			06/30/2016 14:24	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6	5.3	1			06/30/2016 14:24	NAH	EPA 6010C
Dissolved Silver	<2.0	ug/L	2.0	6.8	1			06/30/2016 14:24	NAH	EPA 6010C
Dissolved Mercury	0.090	ug/L	0.020	0.066	1		07/07/2016 08:00	07/08/2016 10:09	LJF	EPA 7470A

CT LAB Sample#: 739925		Sample Description: MW-30		Sampled: 06/27/2016 1245	
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 739925	Sample Description: MW-30	Sampled: 06/27/2016 1245
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Dissolved	110	mg/L	5.0	18	1			07/05/2016 14:39	LJS	EPA 310.2
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		07/07/2016 09:37	11:49	MER	EPA 9012A
Dissolved Chloride	1.1	mg/L	0.70 *	2.4	1			06/29/2016 17:12	JJF	EPA 9056A
Metals Results										
Dissolved Lead	1.8	ug/L	1.5 *	5.0	1			06/30/2016 14:31	NAH	EPA 6010C
Dissolved Hardness	97.5	mg/L	0.032	0.11	1			06/30/2016 14:31	NAH	SM2340B/6010

CT LAB Sample#: 739926	Sample Description: MW-30P	Sampled: 06/27/2016 1307
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Dissolved	130	mg/L	5.0	18	1			07/05/2016 14:40	LJS	EPA 310.2
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		07/07/2016 09:37	12:07	MER	EPA 9012A
Dissolved Chloride	1.2	mg/L	0.70 *	2.4	1			06/29/2016 17:29	JJF	EPA 9056A
Metals Results										
Dissolved Hardness	114	mg/L	0.032	0.11	1			06/30/2016 14:38	NAH	SM2340B/6010

CT LAB Sample#: 739927	Sample Description: MW-29	Sampled: 06/27/2016 1342
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Dissolved	200	mg/L	5.0	18	1			07/05/2016 14:41	LJS	EPA 310.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 739927		Sample Description: MW-29		Sampled: 06/27/2016 1342	
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		07/07/2016 09:37	07/07/2016 12:10	MER	EPA 9012A
Dissolved Chloride	1.8	mg/L	0.70 *	2.4	1			06/29/2016 17:45	JJF	EPA 9056A
Metals Results										
Dissolved Hardness	173	mg/L	0.032	0.11	1			06/30/2016 14:46	NAH	SM2340B/6010

CT LAB Sample#: 739929		Sample Description: MW-2		Sampled: 06/27/2016 1405	
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		07/07/2016 09:37	07/07/2016 12:13	MER	EPA 9012A
Metals Results										
Dissolved Selenium	<1.2	ug/L	1.2	3.8	1		07/05/2016 09:00	07/08/2016 12:30	MDS	EPA 7010
Dissolved Cadmium	<0.26	ug/L	0.26	0.87	1			06/30/2016 14:53	NAH	EPA 6010C
Dissolved Chromium	<1.0	ug/L	1.0	3.4	1			06/30/2016 14:53	NAH	EPA 6010C
Dissolved Copper	<1.6	ug/L	1.6	5.5	1			06/30/2016 14:53	NAH	EPA 6010C
Dissolved Lead	<1.5	ug/L	1.5	5.0	1			06/30/2016 14:53	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6	5.3	1			06/30/2016 14:53	NAH	EPA 6010C
Dissolved Silver	<2.0	ug/L	2.0	6.8	1			06/30/2016 14:53	NAH	EPA 6010C
Dissolved Mercury	0.084	ug/L	0.020	0.066	1		07/07/2016 08:00	07/08/2016 10:15	LJF	EPA 7470A

CT LAB Sample#: 739930		Sample Description: MW-2P		Sampled: 06/27/2016 1435	
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 739930		Sample Description: MW-2P		Sampled: 06/27/2016 1435	
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		07/07/2016 09:37	07/07/2016 12:17	MER	EPA 9012A
Metals Results										
Dissolved Selenium	<1.2	ug/L	1.2	3.8	1		07/05/2016 09:00	07/08/2016 12:36	MDS	EPA 7010
Dissolved Cadmium	<0.26	ug/L	0.26	0.87	1			06/30/2016 15:19	NAH	EPA 6010C
Dissolved Chromium	<1.0	ug/L	1.0	3.4	1			06/30/2016 15:19	NAH	EPA 6010C
Dissolved Copper	<1.6	ug/L	1.6	5.5	1			06/30/2016 15:19	NAH	EPA 6010C
Dissolved Lead	<1.5	ug/L	1.5	5.0	1			06/30/2016 15:19	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6	5.3	1			06/30/2016 15:19	NAH	EPA 6010C
Dissolved Silver	<2.0	ug/L	2.0	6.8	1			06/30/2016 15:19	NAH	EPA 6010C
Dissolved Mercury	0.090	ug/L	0.020	0.066	1		07/07/2016 08:00	07/08/2016 10:18	LJF	EPA 7470A

CT LAB Sample#: 739931		Sample Description: MW-19P		Sampled: 06/27/2016 1520	
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		07/07/2016 09:37	07/07/2016 12:20	MER	EPA 9012A
Metals Results										
Dissolved Selenium	<1.2	ug/L	1.2	3.8	1		07/05/2016 09:00	07/08/2016 12:42	MDS	EPA 7010
Dissolved Cadmium	<0.26	ug/L	0.26	0.87	1			06/30/2016 15:26	NAH	EPA 6010C
Dissolved Chromium	<1.0	ug/L	1.0	3.4	1			06/30/2016 15:26	NAH	EPA 6010C
Dissolved Copper	2.7	ug/L	1.6 *	5.5	1			06/30/2016 15:26	NAH	EPA 6010C
Dissolved Lead	<1.5	ug/L	1.5	5.0	1			06/30/2016 15:26	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6	5.3	1			06/30/2016 15:26	NAH	EPA 6010C
Dissolved Silver	<2.0	ug/L	2.0	6.8	1			06/30/2016 15:26	NAH	EPA 6010C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 739931 Sample Description: MW-19P					Sampled: 06/27/2016 1520				
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Dissolved Mercury	0.091	ug/L	0.020	0.066	1		07/07/2016 08:00	07/08/2016 10:20	LJF	EPA 7470A
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CT LAB Sample#: 739932 Sample Description: MW-16					Sampled: 06/27/2016 1650				
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Dissolved Cyanide	<6.0	ug/L	6.0	19	1		07/07/2016 09:37	07/07/2016 12:24	MER	EPA 9012A
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Metals Results

Dissolved Copper	<1.6	ug/L	1.6	5.5	1			06/30/2016 15:33	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6	5.3	1			06/30/2016 15:33	NAH	EPA 6010C

CT LAB Sample#: 739933 Sample Description: MW-19					Sampled: 06/27/2016 1800				
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Dissolved Cyanide	<6.0	ug/L	6.0	19	1		07/07/2016 09:37	07/07/2016 12:27	MER	EPA 9012A
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Metals Results

Dissolved Selenium	<1.2	ug/L	1.2	3.8	1		07/05/2016 09:00	07/08/2016 12:47	MDS	EPA 7010
Dissolved Cadmium	<0.26	ug/L	0.26	0.87	1			06/30/2016 15:40	NAH	EPA 6010C
Dissolved Chromium	<1.0	ug/L	1.0	3.4	1			06/30/2016 15:40	NAH	EPA 6010C
Dissolved Copper	<1.6	ug/L	1.6	5.5	1			06/30/2016 15:40	NAH	EPA 6010C
Dissolved Lead	<1.5	ug/L	1.5	5.0	1			06/30/2016 15:40	NAH	EPA 6010C
Dissolved Manganese	<1.6	ug/L	1.6	5.3	1			06/30/2016 15:40	NAH	EPA 6010C
Dissolved Silver	<2.0	ug/L	2.0	6.8	1			06/30/2016 15:40	NAH	EPA 6010C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis



AYRES ASSOCIATES
Project Name: ADAMS CO LF
Project #: 10-1070.12
Project Phase:

Contract #: 1451
Folder #: 120075
Page 8 of 9

CT LAB Sample#: 739933 Sample Description: MW-19

Sampled: 06/27/2016 1800

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Mercury	0.098	ug/L	0.020	0.066	1		07/07/2016 08:00	07/08/2016 10:22	LJF	EPA 7470A



AYRES ASSOCIATES
Project Name: ADAMS CO LF
Project #: 10-1070.12
Project Phase:

Contract #: 1451
Folder #: 120075
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Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Eric T. Korthals
Project Manager
608-356-2760

Current CT Laboratories Certifications

Kansas NELAP ID# E-10368
Kentucky ID# 0023
ISO/IEC 17025-2005 A2LA Cert # 3806.01
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID E871111, Expires Annually
Louisiana ID # 115843
Virginia ID# 7608
Illinois NELAP ID # 002413
Wisconsin (WOSB) ID# WI-5499-WBE
Maryland ID# 344

CHAIN OF CUSTODY RECORD

Folder # 120075

Company AYRES ASSOCIATES

Project:

Logged By J.S. PM J.F.

PROJECT NO. 10-1070.12		PROJECT NAME/CLIENT Adams City, Landfill		Field Filtered: ☒ Metals and/or Hydrocarbons ☒ Cyanide ☒ Arsenic, PCB		NO. OF CONTAINERS
SAMPLERS: (Signature) <i>Nicole Bader</i>		SAMPLE LOCATION/DESCRIPTION				
SAMPLE NO.	DATE	TIME	OM/RA			
1	6-27-16	0:20		MW-31	X	3
2		11:20		MW-3P	X	2
3		10:47		MW-3	X	2
4		11:45		MW-17	X	2
5		12:20		MW-17P	X	2
6		12:45		MW-30	X	3
7		1:07		MW-30P	X	3
8		1:42		MW-29	X	3
9		2:05		MW-2	X	2
10		2:35		MW-2P	X	2
11		3:20		MW-19P	X	2
12		4:50		MW-16	X	2
13		6:00		MW-19	X	2
14				Temp Blank		1
Ayres Project Contact: Nicole Bader, Lori Rosemar				Ayres Project Manager: Neil Carney		
Invoice To: Ayres Associates						
RELINQUISHED BY: (Signature) <i>Nicole Bader</i>		DATE/TIME: 6-28-16/4:40		RECEIVED BY: (Signature) <i>Nicole Bader</i>		DATE/TIME: 6/28/16
RELINQUISHED BY: (Signature)				RECEIVED BY: (Signature)		DATE/TIME
Shipped on ice: ☒ Yes ☐ no				Temp. if not received on ice: _____		COMMENTS: See Attached for Spec for metals for each sample
Received on ice: ☒ Yes ☐ no						

Ayres Associates Inc.
Engineers/Architects/Scientists/Photogrammetrists
3433 Oakwood Hills Parkway
Eau Claire, WI 54601
(715) 834-3161 Fax (715) 831-7600



Lab # : 5662 0.1° 6/24/16 1045

ANALYTICAL REPORT

AYRES ASSOCIATES

LORI ROSEMORE

3433 OAKWOOD HILLS PKWY

EAU CLAIRE, WI 54701-1590

Project Name: ADAMS CTY FEASIBILITY

Project Phase:

Contract #: 1451

Project #:

Folder #: 120458

Purchase Order #:

Page 1 of 8

Arrival Temperature: See COC

Report Date: 07/22/2016

Date Received: 07/14/2016

Reprint Date: 07/22/2016

CT LAB Sample#: 744852 Sample Description: SUPPLY WELL

Sampled: 07/12/2016 1500

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			07/19/2016 14:49	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			07/19/2016 14:49	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			07/19/2016 14:49	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			07/19/2016 14:49	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			07/19/2016 14:49	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			07/19/2016 14:49	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			07/19/2016 14:49	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			07/19/2016 14:49	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			07/19/2016 14:49	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			07/19/2016 14:49	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			07/19/2016 14:49	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			07/19/2016 14:49	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			07/19/2016 14:49	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			07/19/2016 14:49	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			07/19/2016 14:49	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 744852 Sample Description: SUPPLY WELL

Sampled: 07/12/2016 1500

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			07/19/2016 14:49	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/19/2016 14:49	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			07/19/2016 14:49	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			07/19/2016 14:49	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			07/19/2016 14:49	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			07/19/2016 14:49	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			07/19/2016 14:49	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			07/19/2016 14:49	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			07/19/2016 14:49	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			07/19/2016 14:49	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			07/19/2016 14:49	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			07/19/2016 14:49	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			07/19/2016 14:49	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			07/19/2016 14:49	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			07/19/2016 14:49	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			07/19/2016 14:49	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			07/19/2016 14:49	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			07/19/2016 14:49	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			07/19/2016 14:49	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			07/19/2016 14:49	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			07/19/2016 14:49	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			07/19/2016 14:49	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			07/19/2016 14:49	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			07/19/2016 14:49	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			07/19/2016 14:49	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 744852 Sample Description: SUPPLY WELL

Sampled: 07/12/2016 1500

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			07/19/2016 14:49	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			07/19/2016 14:49	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			07/19/2016 14:49	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			07/19/2016 14:49	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			07/19/2016 14:49	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			07/19/2016 14:49	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			07/19/2016 14:49	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			07/19/2016 14:49	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			07/19/2016 14:49	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			07/19/2016 14:49	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			07/19/2016 14:49	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			07/19/2016 14:49	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			07/19/2016 14:49	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			07/19/2016 14:49	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/19/2016 14:49	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			07/19/2016 14:49	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			07/19/2016 14:49	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			07/19/2016 14:49	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			07/19/2016 14:49	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			07/19/2016 14:49	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			07/19/2016 14:49	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			07/19/2016 14:49	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			07/19/2016 14:49	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			07/19/2016 14:49	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			07/19/2016 14:49	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 744852 Sample Description: SUPPLY WELL

Sampled: 07/12/2016 1500

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			07/19/2016 14:49	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			07/19/2016 14:49	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			07/19/2016 14:49	AGK	EPA 8260C

CT LAB Sample#: 744853 Sample Description: TRIP BLANK

Sampled: 07/12/2016

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			07/19/2016 13:51	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			07/19/2016 13:51	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			07/19/2016 13:51	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			07/19/2016 13:51	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			07/19/2016 13:51	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			07/19/2016 13:51	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			07/19/2016 13:51	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			07/19/2016 13:51	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			07/19/2016 13:51	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			07/19/2016 13:51	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			07/19/2016 13:51	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			07/19/2016 13:51	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			07/19/2016 13:51	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			07/19/2016 13:51	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			07/19/2016 13:51	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			07/19/2016 13:51	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 744853 Sample Description: TRIP BLANK

Sampled: 07/12/2016

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/19/2016 13:51	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			07/19/2016 13:51	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			07/19/2016 13:51	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			07/19/2016 13:51	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			07/19/2016 13:51	AGK	EPA 8260C
2-Butanone	12	ug/L	4.0 *	14	1			07/19/2016 13:51	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			07/19/2016 13:51	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			07/19/2016 13:51	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			07/19/2016 13:51	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			07/19/2016 13:51	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			07/19/2016 13:51	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			07/19/2016 13:51	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			07/19/2016 13:51	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			07/19/2016 13:51	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			07/19/2016 13:51	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			07/19/2016 13:51	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			07/19/2016 13:51	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			07/19/2016 13:51	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			07/19/2016 13:51	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			07/19/2016 13:51	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			07/19/2016 13:51	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			07/19/2016 13:51	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			07/19/2016 13:51	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			07/19/2016 13:51	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			07/19/2016 13:51	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 744853 Sample Description: TRIP BLANK

Sampled: 07/12/2016

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			07/19/2016 13:51	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			07/19/2016 13:51	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			07/19/2016 13:51	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			07/19/2016 13:51	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			07/19/2016 13:51	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			07/19/2016 13:51	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			07/19/2016 13:51	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			07/19/2016 13:51	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			07/19/2016 13:51	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			07/19/2016 13:51	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			07/19/2016 13:51	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			07/19/2016 13:51	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			07/19/2016 13:51	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/19/2016 13:51	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			07/19/2016 13:51	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			07/19/2016 13:51	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			07/19/2016 13:51	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			07/19/2016 13:51	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			07/19/2016 13:51	AGK	EPA 8260C
Tetrahydrofuran	6.0	ug/L	3.0 *	10	1			07/19/2016 13:51	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			07/19/2016 13:51	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			07/19/2016 13:51	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			07/19/2016 13:51	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			07/19/2016 13:51	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			07/19/2016 13:51	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis



AYRES ASSOCIATES
Project Name: ADAMS CTY FEASIBILITY
Project #:
Project Phase:

Contract #: 1451
Folder #: 120458
Page 7 of 8

CT LAB Sample#: 744853		Sample Description: TRIP BLANK		Sampled: 07/12/2016	
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Vinyl acetate	<3.0	ug/L	3.0	11	1			07/19/2016 13:51	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			07/19/2016 13:51	AGK	EPA 8260C



AYRES ASSOCIATES
Project Name: ADAMS CTY FEASIBILITY
Project #:
Project Phase:

Contract #: 1451
Folder #: 120458
Page 8 of 8

Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Eric T. Korthals
Project Manager
608-356-2760

Current CT Laboratories Certifications

Kansas NELAP ID# E-10368
Kentucky ID# 0023
ISO/IEC 17025-2005 A2LA Cert # 3806.01
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID E871111, Expires Annually
Louisiana ID # 115843
Virginia ID# 7608
Illinois NELAP ID # 002413
Wisconsin (WOSB) ID# WI-5499-WBE
Maryland ID# 344

[illegible]

Ayres Associates, Inc.
Engineers/Architects/Scientists/Photogrammetrists
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
715/834-3181 Fax 715/831-7500

AVRES ASSOCIATES

FIELD SAMPLING REPORT

Site Name: Adams Co. Landfill Job#: 15-1070.12 Project Manager: Lossmore Date: 5/25/17

Sample collector(s): ASG
Weather Conditions: cloudy 65°F Lab.: CHL - 101508

Sampling Sequence: _____

Sample Handling Methods: _____

[illegible]

Note 3 - Purging

Note 2 - Sampling Method

Note 1 - Sample Type

Well Id.	Depth to Product	Water	h1	h2	Product Volume

H:\ADMIN\Field Sampling Report.xls
Revised 4/1/2015



Commercial Testing Laboratory, Inc.

CTLCOLFAX.COM

514 Main Street
Phone: 715-962-3121

P.O. Box 526
Phone: 800-962-5227

Colfax, Wisconsin 54730
Fax: 715-962-4030

ANALYTICAL REPORT

Nicole Bader
Ayres Associates-DW
3433 Oakwood Hills Parkway
Eau Claire WI 54701

Report Number: 17013452 Page: 1
Report Date: 6/ 2/17
Date Received: 5/26/17
PO Number: ADAMSCO

Sample Number	Sample ID	Test	Results	Method	LOD/LOQ	Date Analyzed
17-D1069	Supply Well	Alkalinity, mg/L CaCO ₃	90	310.2	5/17	6/ 2/17
	Adams Co	Chloride, mg/L	< 2	4500Cl-E	2/7	5/30/17
	Landfill	Hardness, mg/L CaCO ₃	100	SM2340B	1/3	5/31/17
	PROJ#10-1070.12					
	5/25/17					

WDNR Laboratory ID Number: 617013980

< Means "LESS THAN" Detectable Level

Authorized by:
Pamela Gane, Lab Manager

Reviewed by: _____

Site Name: Adams City Landfill
 Sample collector(s): NAB
 Job#: 10-1070.12 Project Manager: AL Date: 8-1-16
 Weather Conditions: Sunny ~80°F Lab: U Labs

Sample Handling Methods:

[illegible]

Code	Type/Description
WPFC	Well, PVC, Flush mt. Add Size
WPP	Well, PVC, Pro-top, Add Size
WS	Well, Steel, Add Size
SUR	Surface Water
LY	Lysimeter
LE	Leachate
RWS	Residential Water Supply
Sys	System, Add Inflow/Effluent
O	Other

Code	Description
SS8	Stainless Steel Bail, Add Length
PVCB	PVC Bail, Add Length
TB	Teflon Bail, Add Length
DB	Disposable Bail, Add Length
GS	Grab Sample
Tap	Tap Sample
DS	Dedicated System
Q	Other

Size, in. I.D.	gallons/ft
2	0.16
3	0.4
4	0.6
5	1.0
6	1.5
8	2.6

Well Id.	Depth to Product	Water	h1	h2	Product Volume

FIELD SAMPLING REPORT

Site Name: Adams Cky LF Job#: 10-1070-12 Project Manager: MC Date: 8-1-10
 Sample collector(s): URS Weather Conditions: Sunny, ~80s F Lab.: UT Labs

Sampling Sequence: _____ Sample Handling Methods: _____

Sampling										Parameters								
I.D.	Type	Ref. Elev. ft. MSL	Depth to Bottom	Depth of Water	Sample ² method	Purging ³		Time	°C	D.O.	Sp. Cond. Ω	pH	Eh mV	Turb. Color	Odor	Parameters		
						Date	Time									Meter #	Meter #	Meter #
MW 29	WPP	903.47	24.52	13.12	AD-1	8-1-10	3:03	3:17	10.8		325	8.29		484			U	F
Comments: _____																		
MW 2	WPP	904.96	36.35	11.25	Pump	8-1-10	3:30	3:42	12.6		352	8.35		100			U	F
Comments: _____																		
MW 2	WPP	904.96	36.35	11.25	Pump	8-1-10	3:45	4:00	10.2		267	8.39		100			U	F
Comments: _____																		
MW 19	WPP	906.09	37.80	7.57	Pump	8-1-10	4:18	4:32	11.7		601	7.81		100			U	F
Comments: _____																		
MW 18	WPP	906.09	30.87	30.18	Pump	8-1-10	4:36	4:45	11.5		246	8.30		100			U	F
Comments: _____																		
MW 15	WPP	905.24	24.18	941.10		8-1-10	4:50										U	F
Comments: _____																		
MW 18P	WPP	905.69	31.40	924.89		8-1-10	4:55										U	F
Comments: _____																		

PRODUCT COLLECTION DATA

Note 3 - Purging

Size, in. I.D.	gallons/ft
2	0.16
3	0.4
4	0.6
5	1.0
6	1.5
8	2.6

* see reverse for calculations

Note 2 - Sampling Method

Code	Description
SSB	Stainless Steel Bail, Add Length
PVCB	PVC Bail, Add Length
TB	Teflon Bail, Add Length
DB	Disposable Bail, Add Length
GS	Grab Sample
Tap	Tap Sample
DS	Dedicated System
O	Other

Note 1 - Sample Type

Code	Type Description
WPF	Wall, PVC, Flush mt, Add Size
WPP	Wall, PVC, Pro-top, Add Size
WSP	Wall, Steel, Add Size
SUR	Surface Water
LY	Lysimeter
LE	Leachate
RWS	Residential Water Supply
Sys	System, Add Influent/Effluent
O	Other

Well Id.	Depth to Product	Water	h1	h2	Product Volume

FIELD SAMPLING REPORT

Site Name: Adams Nty LF Job#: 10-1070, 12 Project Manager: AL Date: 8-H6

Sample collector(s): NAC Weather Conditions: Sunny ~80°F Lab.: CT Labs

Sampling Sequence: _____

Sample Handling Methods: _____

Sampling										Parameters									
I.D.	Type	Ref. Elev. ft. MSL	Depth		Sample ² method	Purging ³		Time	°C	D.O.	Sp. Cond. Ω	pH	Eh mV	Turb. Color	Odor	Parameters			
			to Bottom	to Water		Water Elev. ft. MSL	Depth of Water									Meter #	Meter #	Meter #	Meter #
MW 1	W	960.53	26.52	934.01		Date: 8-1-16 Time: 5:00													
Comments: _____																			
MW 1P	W	960.64	26.74	933.90		Date: 8-1-16 Time: 5:05													
Comments: _____																			
MW 7	W	968.09	28.50	939.59		Date: 8-1-16 Time: 5:10													
Comments: MW 7 P: 36.20 Elev = 932.32																			
MW 21	W	967.16	27.95	939.21		Date: 8-1-16 Time: 5:15													
Comments: _____																			
MW 22	W	966.06	26.99	939.07		Date: 8-1-16 Time: 5:20													
Comments: _____																			
MW 16	W	975.27	24.90	940.37		Date: 8-1-16 Time: 5:25													
Comments: _____																			
MW 16P	W	976.08	23.72	932.86		Date: 8-1-16 Time: 5:30													
Comments: _____																			

PRODUCT COLLECTION DATA

Note 3 - Purging

Size In. I.D.	gallons/ft
2	0.16
3	0.4
4	0.6
5	1.0
6	1.5
8	2.6

* see reverse for calculations

Note 2 - Sampling Method

Code	Description
SSB	Stainless Steel Bail, Add Length
PVCB	PVC Bail, Add Length
TB	Teflon Bail, Add Length
DB	Disposable Bail, Add Length
GS	Grab Sample
Tap	Tap Sample
DS	Dedicated System
O	Other

Note 1 - Sample Type

Code	Type Description
WPF	Well, PVC, Flush mt, Add Size
WPP	Well, PVC, Pro-top, Add Size
WS	Well, Steel, Add Size
SUR	Surface Water
LY	Lysimeter
LE	Leachate
RWS	Residential Water Supply
Sys	System, Add Influent/Effluent
O	Other

Well Id.	Depth to Product	Water	h1	h2	Product Volume

FIELD SAMPLING REPORT

Site Name: Adams City LF Job#: 10-1070.12 Project Manager: MC Date: 8-1-16
 Sample collector(s): AKB Weather Conditions: Sunny ~80°F Lab: UT Labs

Sampling Sequence: _____ Sample Handling Methods: _____

		Depth to Bottom				Depth of Water		Purging ³		Sampling						Parameters								
I.D.	Type ¹	Ref. Elev. ft, MSL	Depth to Water feet	Water Elev. ft, MSL	Sample ² method	Date	Time	Vol	Time	°C	#	Meter	#	Meter	#	Meter	#	pH	Eh mV	Turb. Color	Odor	U F U F U F U F U F U F		
MW 20	W	971.36	31.66	939.70		8-1-16	5:35																	
Comments:																								
MW 19	W	965.54	30.60	938.94		8-1-16	5:40																	
Comments:																								
MW 20	W	962.87	22.0	940.87		8-1-16	5:45																	
Comments:																								
MW 25	W	965.14	23.24	941.30		8-1-16	5:50																	
Comments:																								
MW 16	W	963.42	22.47	940.98	OB4	8-1-16	6:10	5.0	9.5	451	7.89													
Comments:																								
MW 27	W	980.64	33.78	946.86		8-1-16	10:20																	
Comments:																								
MW 26	W	974.04	31.65	942.41		8-1-16	10:25																	
Comments:																								

Note 1 - Sample Type
 Code: _____
 WPF: Well, PVC, Flush mt, Add Size
 WPP: Well, PVC, Pro-top, Add Size
 WS: Well, Steel, Add Size
 SUR: Surface Water
 LY: Lysimeter
 LE: Leachate
 RWS: Residential Water Supply
 Sys: System, Add Influent/Effluent
 O: Other

Note 2 - Sampling Method
 Code: _____
 SSB: Stainless Steel Bail, Add Length
 PVCB: PVC Bail, Add Length
 TB: Teflon Bail, Add Length
 DB: Disposable Bail, Add Length
 GS: Grab Sample
 Tap: Tap Sample
 DS: Dedicated System
 O: Other

Note 3 - Purging
 Size, In. I.D. _____ gallons/ft
 2 0.16
 3 0.4
 4 0.6
 5 1.0
 6 1.5
 8 2.6
 *see reverse for calculations

PRODUCT COLLECTION DATA

Well Id.	Depth to Product	Water	h1	h2	Product Volume

ANALYTICAL REPORT

AYRES ASSOCIATES
LORI ROSEMORE
3433 OAKWOOD HILLS PKWY
EAU CLAIRE, WI 54701-1590

Project Name: ADAMS CTY LANDFILL

Project Phase:

Contract #: 1451

Project #: 10-1070.12

Folder #: 120935

Purchase Order #:

Page 1 of 9

Arrival Temperature: See COC

Report Date: 08/16/2016

Date Received: 08/03/2016

Reprint Date: 08/16/2016

CT LAB Sample#: 751277 Sample Description: MW-31

License #:03150 Sampled: 08/01/2016 1145

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Alkalinity Dissolved	280	mg/L	5.0	18	1			08/08/2016 12:02	SAW	EPA 310.2
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		08/08/2016 10:00	08/08/2016 11:39	LJS	EPA 9012A
Dissolved Chloride	2.5	mg/L	0.70	2.4	1			08/04/2016 11:31	JJF	EPA 9056A

Metals Results

Dissolved Lead	<1.3	ug/L	1.3	4.2	1			08/04/2016 13:20	NAH	EPA 6010C
Dissolved Hardness	248	mg/L	0.18	0.61	1			08/04/2016 13:20	NAH	SM2340B/6010

CT LAB Sample#: 751278 Sample Description: MW-3

License/Well #: 03150/005 Sampled: 08/01/2016 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
---------	--------	-------	-----	-----	----------	-----------	----------------	--------------------	---------	--------

Inorganic Results

Dissolved Cyanide	<6.0	ug/L	6.0	19	1		08/08/2016 10:00	08/08/2016 11:49	LJS	EPA 9012A
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Metals Results

Dissolved Selenium	<1.0	ug/L	1.0	3.4	1		08/04/2016 12:30	08/12/2016 09:20	MDS	EPA 7010
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Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 751278 Sample Description: MW-3

License/Well #: 03150/005 Sampled: 08/01/2016 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			08/04/2016 13:58	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			08/04/2016 13:58	NAH	EPA 6010C
Dissolved Copper	<3.9	ug/L	3.9	13	1			08/04/2016 13:58	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			08/04/2016 13:58	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			08/04/2016 13:58	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			08/04/2016 13:58	NAH	EPA 6010C
Dissolved Mercury	0.043	ug/L	0.020 *	0.066	1		08/04/2016 08:00	08/05/2016 08:53	LJF	EPA 7470A

CT LAB Sample#: 751279 Sample Description: MW-3P

License/Well #: 03150/006 Sampled: 08/01/2016 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		08/08/2016 10:00	08/08/2016 11:52	LJS	EPA 9012A
Metals Results										
Dissolved Selenium	<1.0	ug/L	1.0	3.4	1		08/04/2016 12:30	08/12/2016 09:45	MDS	EPA 7010
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			08/04/2016 14:05	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			08/04/2016 14:05	NAH	EPA 6010C
Dissolved Copper	<3.9	ug/L	3.9	13	1			08/04/2016 14:05	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			08/04/2016 14:05	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			08/04/2016 14:05	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			08/04/2016 14:05	NAH	EPA 6010C
Dissolved Mercury	0.052	ug/L	0.020 *	0.066	1		08/04/2016 08:00	08/05/2016 08:55	LJF	EPA 7470A

CT LAB Sample#: 751280	Sample Description: MW-17	License/Well #: 03150/014	Sampled: 08/01/2016 1320
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Dissolved Cyanide <6.0 ug/L 6.0 19 1 08/08/2016 10:00 08/08/2016 12:03 LJS EPA 9012A

Metals Results

Dissolved Copper 33.1 ug/L 3.9 13 1 08/04/2016 14:12 NAH EPA 6010C
Dissolved Manganese 2.4 ug/L 2.2 * 7.3 1 08/04/2016 14:12 NAH EPA 6010C

CT LAB Sample#: 751281	Sample Description: MW-17P	License/Well #: 03150/015	Sampled: 08/01/2016 1400
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Dissolved Cyanide <6.0 ug/L 6.0 19 1 08/08/2016 10:00 08/08/2016 12:06 LJS EPA 9012A

Metals Results

Dissolved Selenium <1.0 ug/L 1.0 3.4 1 08/04/2016 12:30 08/15/2016 10:40 MDS EPA 7010
Dissolved Cadmium <0.40 ug/L 0.40 1.4 1 08/04/2016 14:18 NAH EPA 6010C
Dissolved Chromium <2.0 ug/L 2.0 8.0 1 08/04/2016 14:18 NAH EPA 6010C
Dissolved Copper <3.9 ug/L 3.9 13 1 08/04/2016 14:18 NAH EPA 6010C
Dissolved Lead <1.3 ug/L 1.3 4.2 1 08/04/2016 14:18 NAH EPA 6010C
Dissolved Manganese <2.2 ug/L 2.2 7.3 1 08/04/2016 14:18 NAH EPA 6010C
Dissolved Silver <2.5 ug/L 2.5 8.4 1 08/04/2016 14:18 NAH EPA 6010C
Dissolved Mercury 0.046 ug/L 0.020 * 0.066 1 08/04/2016 08:00 08/05/2016 09:05 LJF EPA 7470A

CT LAB Sample#: 751282	Sample Description: MW-30P	License #:03150	Sampled: 08/01/2016 1435
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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CT LAB Sample#: 751282	Sample Description: MW-30P	License #:03150	Sampled: 08/01/2016 1435
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Dissolved	120	mg/L	5.0	18	1			08/08/2016 12:04	SAW	EPA 310.2
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		08/08/2016 10:00	12:10	LJS	EPA 9012A
Dissolved Chloride	1.2	mg/L	0.70 *	2.4	1			08/04/2016 12:21	JJF	EPA 9056A
Metals Results										
Dissolved Hardness	116	mg/L	0.18	0.61	1			08/04/2016 14:25	NAH	SM2340B/6010

CT LAB Sample#: 751283	Sample Description: MW-30	License #:03150	Sampled: 08/01/2016 1445
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Dissolved	110	mg/L	5.0	18	1			08/08/2016 12:05	SAW	EPA 310.2
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		08/08/2016 10:00	12:13	LJS	EPA 9012A
Dissolved Chloride	1.5	mg/L	0.70 *	2.4	1			08/04/2016 12:38	JJF	EPA 9056A
Metals Results										
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			08/04/2016 14:32	NAH	EPA 6010C
Dissolved Hardness	105	mg/L	0.18	0.61	1			08/04/2016 14:32	NAH	SM2340B/6010

CT LAB Sample#: 751284	Sample Description: MW-29	License #:03150	Sampled: 08/01/2016 1517
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Dissolved	200	mg/L	5.0	18	1			08/08/2016 12:07	SAW	EPA 310.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 751284	Sample Description: MW-29	License #:03150	Sampled: 08/01/2016 1517
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		08/08/2016 10:00	08/08/2016 12:16	LJS	EPA 9012A
Dissolved Chloride	1.7	mg/L	0.70 *	2.4	1			08/04/2016 12:55	JJF	EPA 9056A
Metals Results										
Dissolved Hardness	177	mg/L	0.18	0.61	1			08/04/2016 14:39	NAH	SM2340B/6010

CT LAB Sample#: 751285	Sample Description: MW-2	License/Well #: 03150/003	Sampled: 08/01/2016 1542
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		08/08/2016 10:00	08/08/2016 12:20	LJS	EPA 9012A
Metals Results										
Dissolved Selenium	<1.0	ug/L	1.0	3.4	1		08/04/2016 12:30	08/15/2016 10:45	MDS	EPA 7010
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			08/04/2016 14:46	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			08/04/2016 14:46	NAH	EPA 6010C
Dissolved Copper	<3.9	ug/L	3.9	13	1			08/04/2016 14:46	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			08/04/2016 14:46	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			08/04/2016 14:46	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			08/04/2016 14:46	NAH	EPA 6010C
Dissolved Mercury	0.056	ug/L	0.020 *	0.066	1		08/04/2016 08:00	08/05/2016 09:07	LJF	EPA 7470A

CT LAB Sample#: 751286	Sample Description: MW-2P	License/Well #: 03150/004	Sampled: 08/01/2016 1600
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 751286 Sample Description: MW-2P

License/Well #: 03150/004 Sampled: 08/01/2016 1600

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		08/08/2016 10:00	08/08/2016 12:23	LJS	EPA 9012A
Metals Results										
Dissolved Selenium	<1.0	ug/L	1.0	3.4	1		08/04/2016 12:30	08/15/2016 10:51	MDS	EPA 7010
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			08/04/2016 15:11	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			08/04/2016 15:11	NAH	EPA 6010C
Dissolved Copper	<3.9	ug/L	3.9	13	1			08/04/2016 15:11	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			08/04/2016 15:11	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			08/04/2016 15:11	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			08/04/2016 15:11	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		08/04/2016 08:00	08/05/2016 09:16	LJF	EPA 7470A

CT LAB Sample#: 751287 Sample Description: MW-19

License/Well #: 03150/018 Sampled: 08/01/2016 1632

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		08/08/2016 10:00	08/08/2016 12:27	LJS	EPA 9012A
Metals Results										
Dissolved Selenium	<1.0	ug/L	1.0	3.4	1		08/04/2016 12:30	08/15/2016 10:57	MDS	EPA 7010
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			08/04/2016 15:18	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			08/04/2016 15:18	NAH	EPA 6010C
Dissolved Copper	<3.9	ug/L	3.9	13	1			08/04/2016 15:18	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			08/04/2016 15:18	NAH	EPA 6010C
Dissolved Manganese	3.1	ug/L	2.2 *	7.3	1			08/04/2016 15:18	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			08/04/2016 15:18	NAH	EPA 6010C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 751287	Sample Description: MW-19	License/Well #: 03150/018	Sampled: 08/01/2016 1632
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Dissolved Mercury	0.049	ug/L	0.020 *	0.066	1		08/04/2016 08:00	08/05/2016 09:18	LJF	EPA 7470A
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CT LAB Sample#: 751288	Sample Description: MW-19P	License/Well #: 03150/019	Sampled: 08/01/2016 1645
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Dissolved Cyanide	<6.0	ug/L	6.0	19	1		08/08/2016 10:00	08/08/2016 12:36	LJS	EPA 9012A
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Metals Results

Dissolved Selenium	<1.0	ug/L	1.0	3.4	1		08/04/2016 12:30	08/15/2016 11:03	MDS	EPA 7010
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			08/04/2016 15:25	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			08/04/2016 15:25	NAH	EPA 6010C
Dissolved Copper	<3.9	ug/L	3.9	13	1			08/04/2016 15:25	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			08/04/2016 15:25	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			08/04/2016 15:25	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			08/04/2016 15:25	NAH	EPA 6010C
Dissolved Mercury	0.057	ug/L	0.020 *	0.066	1		08/04/2016 08:00	08/05/2016 09:20	LJF	EPA 7470A

CT LAB Sample#: 751289	Sample Description: MW-16	License/Well #: 03150/013	Sampled: 08/01/2016 1810
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Dissolved Cyanide	<6.0	ug/L	6.0	19	1		08/08/2016 10:00	08/08/2016 12:40	LJS	EPA 9012A
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Metals Results

Dissolved Copper	<3.9	ug/L	3.9	13	1			08/04/2016 15:32	NAH	EPA 6010C
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Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis



AYRES ASSOCIATES
Project Name: ADAMS CTY LANDFILL
Project #: 10-1070.12
Project Phase:

Contract #: 1451
Folder #: 120935
Page 8 of 9

CT LAB Sample#: 751289	Sample Description: MW-16	License/Well #: 03150/013	Sampled: 08/01/2016 1810
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			08/04/2016 15:32	NAH	EPA 6010C



AYRES ASSOCIATES
Project Name: ADAMS CTY LANDFILL
Project #: 10-1070.12
Project Phase:

Contract #: 1451
Folder #: 120935
Page 9 of 9

Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Eric T. Korthals
Project Manager
608-356-2760

Current CT Laboratories Certifications

Kansas NELAP ID# E-10368
Kentucky ID# 0023
ISO/IEC 17025-2005 A2LA Cert # 3806.01
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID E871111, Expires Annually
Louisiana ID # 115843
Virginia ID# 7608
Illinois NELAP ID # 002413
Wisconsin (WOSB) ID# WI-5499-WBE
Maryland ID# 344

CHAIN OF CUSTODY RECORD

PROJECT NO. 10-107012		PROJECT NAME/CLIENT Adams City Landfill		Field Filtered: ☒ <i>Yes</i>		NO. OF CON-TAINERS		REMARKS	
SAMPLERS: (Signature) <i>Mark Brady</i>									
SAMPLE NO.	DATE	TIME	OMIRA	SAMPLE LOCATION/ DESCRIPTION					
1	8-16	11:45		MW-31	☒	☒	3	751277	
2		12:15		MW-3	☒	☒	2	751278	
3		12:50		MW-3P	☒	☒	2	751279	
4		1:20		MW-17	☒	☒	2	751280	
5		2:00		MW-17P	☒	☒	2	751281	
6		2:35		MW-30P	☒	☒	3	751282	
7		2:45		MW-30	☒	☒	3	751283	
8		3:17		MW-29	☒	☒	3	751284	
9		3:42		MW-2	☒	☒	2	751285	
10		4:00		MW-2P	☒	☒	2	751286	
11		4:32		MW-19	☒	☒	2	751287	
12		4:45		MW-19P	☒	☒	2	751288	
13		6:10		MW-16	☒	☒	2	751289	
14				Temp Blank			1		
Ayres Project Contact: <i>Nick Exeter, Lori Rosemar</i>				Ayres Project Manager: <i>Neil Carney</i>					
Invoice To: <i>Ayres Associates</i>									
RELINQUISHED BY: (Signature) <i>Mark Brady</i>		DATE / TIME: 8-2-16/4:00		RECEIVED BY: (Signature) <i>Neil Carney</i>		DATE / TIME: 8-2-16/4:00		RECEIVED BY: (Signature)	
Shipped on ice: ☒ yes ☐ no				Received on ice: ☒ yes ☐ no				Temp. if not received on ice: 10°C	
				COMMENTS: See Attached for specific metals for each sample					

Ayres Associates Inc.
Engineers/Architects/Scientists/Photogrammetrists
3433 Oakwood Hills Parkway
Salem, VA 24151
(715) 931-1700

AYRES
ASSOCIATES

FIELD SAMPLING REPORT

Site Name: Adams Cty Localt.11

Job#: 10-1070-12 Project Manager: NR

Date: 9-1-16

Sample collector(s): NAB Weather Conditions: Sunny, ~75°F Lab: CT Labs

Sampling Sequence: _____

Sample Handling Methods: _____

I.D.		Type	Ref. Elev. ft. MSL	Depth to Bottom		Depth to Water feet	Sample ² method	Purging ³		Time	Sampling						Parameters																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				Depth	Water Elev.			Date	Time		Vol	Meter #	°C	D.O.	Sp. Cond. Ω	pH	Eh mV	Turb. Color	Odor	U	F	U	F	U	F	U	F	U	F																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
MW 21	WSP	969.70	41.89	12.51	DB4	9-1-16	10:15	8.0	10:33	8.4	465	7.83																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

Note 3 - Purging

Size, In. I.D. gallons/ft

2	0.16
3	0.4
4	0.6
5	1.0
6	1.5
8	2.6

* see reverse for calculations.

Note 2 - Sampling Method

Code Description

SSB	Stainless Steel Bail, Add Length
PVCB	PVC Bail, Add Length
TB	Teflon Bail, Add Length
DB	Disposable Bail, Add Length
GS	Grab Sample
Tap	Tap Sample
DS	Dedicated System
O	Other

Note 1 - Sample Type

Code Type Description

WPF	Well, PVC, Flush mt. Add Size
WPP	Well, PVC, Pro-top, Add Size
WS	Well, Steel, Add Size
SUR	Surface Water
LY	Lysimeter
LE	Leachate
RWS	Residential Water Supply
Sys	System, Add Influent/Effluent
O	Other

PRODUCT COLLECTION DATA

Well Id.	Depth to Product	Product	Water	h1	h2	Product Volume

Site Name: Adams Cty Landfill Job#: 10-1070.12 Project Manager: UC Date: 9-1-16

Sample collector(s): NAB Weather Conditions: Sunny ~76°F Lab: VT Labs

FIELD SAMPLING REPORT

Site Name: Adams City Landfill Job#: 10-1070.12 Project Manager: UC Date: 9-7-16
Sample collector(s): NAB Weather Conditions: Sunny, ~75°F Lab: UT Labs

Sampling Sequence: _____

Sample Handling Methods: _____

		Sampling										Parameters															
I.D.	Type ¹	Ref. Elev ft, MSL	Depth to Bottom		Depth of Water	Sample ² method	Purging ³		Time	Meter	Meter	Meter	Meter	Sp. Cond. Ω	pH	Eh mV	Turb. Color		Odor	U	F	U	F	U	F	U	F
			feet	feet			Date	Vol		#	#	#	#				#	#									
MW 209	WS	979.69	75.64	32.91		Pump	9-1-10	21	2:35	12.1		197.5	9.44				low clear	—									
Comments:																											
MW 209	WS	963.47	34.52	12.73		Pump	9-1-16	8.1	3:10	11.1		319	9.31				high brown	—									
Comments:																											
MW 209	WS	964.96	30.35	10.85		Pump	9-1-16	10.9	3:34	12.8		354	9.04				low clear	—									
Comments: 3921 ft/cr																											
MW 209	WS	964.62	36.43	38.45		Pump	9-1-16	24.6	3:50	10.6		270	9.47				low clear	—									
Comments:																											
MW 199	WS	966.09	32.20	8.11		Pump	9-1-16	5.2	4:20	11.0		668	9.11				low clear	—									
Comments:																											
MW 199	WS	966.00	30.74	30.14		Pump	9-1-16	19.3	4:35	10.5		199.1	9.82				low clear	—									
Comments:																											

Note 3 - Purging

Size, In., I.D.	gallons/ft
2	0.16
3	0.4
4	0.6
5	1.0
6	1.5
8	2.6

* see reverse for calculations

Note 2 - Sampling Method

Code	Description
SSSB	Stainless Steel Bail, Add Length
PVC/B	PVC Bail, Add Length
TB	Teflon Bail, Add Length
DB	Disposable Bail, Add Length
GS	Grab Sample
Tap	Tap Sample
DS	Dedicated System
O	Other

Note 1 - Sample Type

Code	Type	Description
WPF	Well, PVC	Flush mt, Add Size
WPP	Well, PVC	Pro-top, Add Size
WS	Well, Steel	Add Size
WSR	Surface	Water
LY	Lysimeter	
LE	Leachate	
RWS	Residential Water	Supply
Sys	System	Add Influent/Effluent
O	Other	

PRODUCT COLLECTION DATA

Well Id.	Depth to Product	Water	h1	h2	Product Volume

ANALYTICAL REPORT

AYRES ASSOCIATES

LORI ROSEMORE

3433 OAKWOOD HILLS PKWY

EAU CLAIRE, WI 54701-1590

Project Name: ADAMS COUNTY LANDFILL

Project Phase:

Contract #: 1451

Project #: 10-1070.12

Folder #: 121808

Purchase Order #:

Page 1 of 8

Arrival Temperature: See COC

Report Date: 09/21/2016

Date Received: 09/07/2016

Reprint Date: 09/22/2016

CT LAB Sample#: 766361 Sample Description: MW-31

Sampled: 09/01/2016 1033

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Alkalinity Dissolved	290	mg/L	5.0	18	1			09/13/2016 15:37	SAW	EPA 310.2
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		09/14/2016 09:17	09/14/2016 13:59	MER	EPA 9012A
Dissolved Chloride	2.2	mg/L	0.70 *	2.4	1			09/09/2016 02:28	JJF	EPA 9056A

Metals Results

Dissolved Lead	<1.3	ug/L	1.3	4.2	1			09/08/2016 23:32	NAH	EPA 6010C
Dissolved Hardness	289	mg/L	0.18	0.61	1	M		09/08/2016 23:32	NAH	SM2340B/6010

CT LAB Sample#: 766363 Sample Description: MW-3

Sampled: 09/01/2016 1100

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Dissolved Cyanide	<6.0	ug/L	6.0	19	1		09/14/2016 09:17	09/14/2016 14:03	MER	EPA 9012A
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Metals Results

Dissolved Selenium	<1.0	ug/L	1.0	3.4	1		09/12/2016 08:10	09/12/2016 16:59	MDS	EPA 7010
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Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 766363	Sample Description: MW-3	Sampled: 09/01/2016 1100
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			09/09/2016 00:11	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			09/09/2016 00:11	NAH	EPA 6010C
Dissolved Copper	<3.9	ug/L	3.9	13	1			09/09/2016 00:11	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			09/09/2016 00:11	NAH	EPA 6010C
Dissolved Manganese	2.9	ug/L	2.2 *	7.3	1			09/09/2016 00:11	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			09/09/2016 00:11	NAH	EPA 6010C
Dissolved Mercury	0.096	ug/L	0.020	0.066	1		09/08/2016 11:00	09/12/2016 16:22	LJF	EPA 7470A

CT LAB Sample#: 766364	Sample Description: MW-3P	Sampled: 09/01/2016 1145
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		09/14/2016 09:17	09/14/2016 14:06	MER	EPA 9012A
Metals Results										
Dissolved Selenium	<1.0	ug/L	1.0	3.4	1		09/12/2016 08:10	09/12/2016 17:05	MDS	EPA 7010
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			09/09/2016 00:18	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			09/09/2016 00:18	NAH	EPA 6010C
Dissolved Copper	<3.9	ug/L	3.9	13	1			09/09/2016 00:18	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			09/09/2016 00:18	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			09/09/2016 00:18	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			09/09/2016 00:18	NAH	EPA 6010C
Dissolved Mercury	0.087	ug/L	0.020	0.066	1		09/08/2016 11:00	09/12/2016 16:24	LJF	EPA 7470A

CT LAB Sample#: 766365	Sample Description: MW-16	Sampled: 09/01/2016 1207			
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		09/14/2016 09:17	09/14/2016 14:10	MER	EPA 9012A
Metals Results										
Dissolved Copper	<3.9	ug/L	3.9	13	1			09/09/2016 00:25	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			09/09/2016 00:25	NAH	EPA 6010C

CT LAB Sample#: 766368	Sample Description: MW-17P	Sampled: 09/01/2016 1315			
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		09/14/2016 09:17	09/14/2016 14:20	MER	EPA 9012A
Metals Results										
Dissolved Selenium	<1.0	ug/L	1.0	3.4	1		09/12/2016 08:10	09/12/2016 17:22	MDS	EPA 7010
Dissolved Cadmium	0.43	ug/L	0.40 *	1.4	1			09/09/2016 00:32	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			09/09/2016 00:32	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			09/09/2016 00:32	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			09/09/2016 00:32	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			09/09/2016 00:32	NAH	EPA 6010C
Dissolved Mercury	0.097	ug/L	0.020	0.066	1		09/08/2016 11:00	09/12/2016 16:26	LJF	EPA 7470A

CT LAB Sample#: 766369	Sample Description: MW-17	Sampled: 09/01/2016 1337			
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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CT LAB Sample#: 766369		Sample Description: MW-17		Sampled: 09/01/2016 1337	
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		09/14/2016 09:17	09/14/2016 14:23	MER	EPA 9012A
Metals Results										
Dissolved Copper	<3.9	ug/L	3.9	13	1			09/09/2016 00:39	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			09/09/2016 00:39	NAH	EPA 6010C

CT LAB Sample#: 766370		Sample Description: MW-30		Sampled: 09/01/2016 1412	
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Dissolved	110	mg/L	5.0	18	1			09/13/2016 15:38	SAW	EPA 310.2
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		09/14/2016 09:17	09/14/2016 14:27	MER	EPA 9012A
Dissolved Chloride	1.1	mg/L	0.70 *	2.4	1			09/09/2016 02:49	JJF	EPA 9056A
Metals Results										
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			09/09/2016 00:46	NAH	EPA 6010C
Dissolved Hardness	104	mg/L	0.18	0.61	1			09/09/2016 00:46	NAH	SM2340B/6010

CT LAB Sample#: 766371		Sample Description: MW-30P		Sampled: 09/01/2016 1435	
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Dissolved	130	mg/L	5.0	18	1			09/13/2016 15:39	SAW	EPA 310.2
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		09/14/2016 09:17	09/14/2016 14:30	MER	EPA 9012A
Dissolved Chloride	1.2	mg/L	0.70 *	2.4	1			09/09/2016 03:09	JJF	EPA 9056A

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 766371 Sample Description: MW-30P					Sampled: 09/01/2016 1435				
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Metals Results

Dissolved Hardness	124	mg/L	0.18	0.61	1			09/09/2016 00:54	NAH	SM2340B/6010
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CT LAB Sample#: 766372 Sample Description: MW-29					Sampled: 09/01/2016 1510				
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Alkalinity Dissolved	200	mg/L	5.0	18	1			09/13/2016 15:41	SAW	EPA 310.2
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		09/14/2016 09:17	09/14/2016 14:34	MER	EPA 9012A
Dissolved Chloride	1.5	mg/L	0.70 *	2.4	1			09/09/2016 03:30	JJF	EPA 9056A

Metals Results

Dissolved Hardness	186	mg/L	0.18	0.61	1			09/09/2016 01:01	NAH	SM2340B/6010
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CT LAB Sample#: 766379 Sample Description: MW-2					Sampled: 09/01/2016 1534				
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Dissolved Cyanide	<6.0	ug/L	6.0	19	1		09/14/2016 09:17	09/14/2016 14:37	MER	EPA 9012A
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Metals Results

Dissolved Selenium	<1.0	ug/L	1.0	3.4	1		09/12/2016 08:10	09/12/2016 17:27	MDS	EPA 7010
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			09/09/2016 01:27	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			09/09/2016 01:27	NAH	EPA 6010C
Dissolved Copper	<3.9	ug/L	3.9	13	1			09/09/2016 01:27	NAH	EPA 6010C

CT LAB Sample#: 766379	Sample Description: MW-2	Sampled: 09/01/2016 1534
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			09/09/2016 01:27	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			09/09/2016 01:27	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			09/09/2016 01:27	NAH	EPA 6010C
Dissolved Mercury	0.088	ug/L	0.020	0.066	1		09/08/2016 11:00	09/12/2016 16:28	LJF	EPA 7470A

CT LAB Sample#: 766382	Sample Description: MW-2P	Sampled: 09/01/2016 1550
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		09/14/2016 09:17	09/14/2016 14:47	MER	EPA 9012A
Metals Results										
Dissolved Selenium	<1.0	ug/L	1.0	3.4	1		09/12/2016 08:10	09/12/2016 17:33	MDS	EPA 7010
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			09/09/2016 01:34	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			09/09/2016 01:34	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			09/09/2016 01:34	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			09/09/2016 01:34	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			09/09/2016 01:34	NAH	EPA 6010C
Dissolved Mercury	0.091	ug/L	0.020	0.066	1		09/08/2016 11:00	09/12/2016 16:31	LJF	EPA 7470A

CT LAB Sample#: 766383	Sample Description: MW-19	Sampled: 09/01/2016 1620
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		09/14/2016 09:17	09/14/2016 14:51	MER	EPA 9012A

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 766383	Sample Description: MW-19	Sampled: 09/01/2016 1620
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Selenium	<1.0	ug/L	1.0	3.4	1		09/12/2016 08:10	09/12/2016 17:56	MDS	EPA 7010
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			09/09/2016 01:41	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			09/09/2016 01:41	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			09/09/2016 01:41	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			09/09/2016 01:41	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			09/09/2016 01:41	NAH	EPA 6010C
Dissolved Mercury	0.10	ug/L	0.020	0.066	1		09/08/2016 11:00	09/12/2016 16:33	LJF	EPA 7470A

CT LAB Sample#: 766384	Sample Description: MW-19P	Sampled: 09/01/2016 1635
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		09/14/2016 09:17	09/14/2016 15:01	MER	EPA 9012A
Metals Results										
Dissolved Selenium	<1.0	ug/L	1.0	3.4	1		09/12/2016 08:10	09/12/2016 18:02	MDS	EPA 7010
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			09/09/2016 01:48	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			09/09/2016 01:48	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			09/09/2016 01:48	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			09/09/2016 01:48	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			09/09/2016 01:48	NAH	EPA 6010C
Dissolved Mercury	0.089	ug/L	0.020	0.066	1		09/08/2016 11:00	09/12/2016 16:39	LJF	EPA 7470A

Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Eric T. Korthals
Project Manager
608-356-2760

QC Qualifiers

Code Description

B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	BOD incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

Current CT Laboratories Certifications

Kansas NELAP ID# E-10368
Kentucky ID# 0023
ISO/IEC 17025-2005 A2LA Cert # 3806.01
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID E871111, Expires Annually
Louisiana ID # 115843
Virginia ID# 7608
Illinois NELAP ID # 002413
Wisconsin (WOSB) ID# WI-5499-WBE
Maryland ID# 344

CHAIN OF CUSTODY RECORD

PROJECT NO. 10-1070.12		PROJECT NAME/CLIENT Adams County Leadfill		Field Filtered		REMARKS
SAMPLERS: (Signature)		Date		NO. OF CON-TAINERS		
SAMPLE NO.	DATE	TIME	OM/RA DESCRIPTION			
1	9-16	10:33	MW-31	X	X	766361
2		11:00	MW-3			766363
3		11:45	MW-3P			766364
4		12:07	MW-16			766365
5		1:15	MW-17P			766368
6		1:37	MW-17			766369
7		2:12	MW-30	X	X	766370
8		2:35	MW-30P	X	X	766371
9		3:10	MW-29	X	X	766372
10		3:34	MW-2			766379
11		3:56	MW-2P			766382
12		4:20	MW-19			766383
13		4:35	MW-19P			766384
14			Temp Black			
Ayres Project Contact: Nicole Bader, Lori Rosemore				Ayres Project Manager:		
Invoice To: Ayres Associates		DATE / TIME 9/16/16 4:00P		DATE / TIME 9/16/16 10:30A		RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)		RECEIVED BY: (Signature)		RELINQUISHED BY: (Signature)		COMMENTS: See attached
Shipped on ice: ☒ yes ☐ no Received on ice: ☒ yes ☐ no Temp. if not received on ice: 2.1						

AMRI
ASSOCIATES

Folder # 121808
Company: AYRES ASSOCIATES
Project: ADAMS COUNTY LEAD

Logged By: JANA 09/16/16

FIELD SAMPLING REPORT

Site Name: Adams City Landfill Job#: 10-1070.12 Project Manager: UC Date: 10-1-16
 Sample collector(s): UAB Weather Conditions: Mostly Sunny, ~70°F, Breezy Lab: CT Labs

Sample Handling Methods:

I.D.		Type	Ref. Elev. ft. MSL	Depth to Bottom		Depth of Water	Sample ² method	Purging ³			Sampling										Parameters																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
				Depth to Water feet	Water Elev. ft. MSL			Date	Time	Vol	#	Meter	#	D.O.	Sp. Cond. Ω	pH	Eh mV	Turb. Color	Odor	U	F	U	F	U	F	U	F	U	F	U	F																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
M102	WSP	2	964.88	41.05	15.99	DB4	10-1-16	11:35	10.2	9.7	361	7.14																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							</

PRODUCT COLLECTION DATA

Note 3 - Purging

Size In. I.D.	gallons/ft
2	0.16
3	0.4
4	0.6
5	1.0
6	1.5
8	2.6

* see reverse for calculations

Note 2 - Sampling Method

Code	Description
SSB	Stainless Steel Bail, Add Length
PVCB	PVC Bail, Add Length
TB	Teflon Bail, Add Length
DB	Disposable Bail, Add Length
GS	Grab Sample
Tap	Tap Sample
DS	Dedicated System
O	Other

Note 1 - Sample Type

Code	Type Description
WPF	Well, PVC, Flush mt, Add Size
WPP	Well, PVC, Pro-top, Add Size
WS	Well, Steel, Add Size
SUR	Surface Water
LY	Lysimeter
LE	Leachate
RWS	Residential Water Supply
Sys	System, Add Influent/Effluent
O	Other

FIELD SAMPLING REPORT

Site Name: Adams Cty Landfill

Job#: 10-1070.12

Project Manager: MC

Date: 10-11-10

Sample collector(s): MCS Weather Conditions: Mostly Sunny ~70°F, Breezy Lab: CT Labs

Sampling Sequence: _____

Sample Handling Methods: _____

		Depth to Bottom		Depth of Water		Sample ² method	Purging ³		Time	°C	D.O.	Sp. Cond. Ω	pH	Eh mV	Turb. Color	Odor	Parameters			
I.D.	Type ¹	Ref. Elev. ft. MSL	Depth to Bottom feet	Water Elev. ft. MSL	Date		Time	Vol									Meter #	Meter #	Meter #	Meter #
19	WSP	966.09	32.20	11.41					4:00	12.8		734	7.10							
Comments: _____																				
19	WSP	966.06	60.88	33.56					4:22	10.3		168.1	8.29							
Comments: _____																				
Comments: _____																				
Comments: _____																				
Comments: _____																				
Comments: _____																				
Comments: _____																				
Comments: _____																				

Note 1 - Sample Type

Code Type Description
WPF Well, PVC, Flush mt, Add Size
WPP Well, PVC, Pro-top, Add Size
WS Well, Steel, Add Size
SUR Surface Water
LY Lysimeter
LE Leachate
RWS Residential Water Supply
SYS System, Add Influent/Effluent
O Other

Note 2 - Sampling Method

Code Description
SSB Stainless Steel Bail, Add Length
PVCB PVC Bail, Add Length
TB Teflon Bail, Add Length
DB Disposable Bail, Add Length
GS Grab Sample
Tap Tap Sample
DS Dedicated System
O Other

Note 3 - Purging

Size In. I.D. gallons/ft
2 0.16
3 0.4
4 0.6
5 1.0
6 1.5
8 2.6
*see reverse for calculations

PRODUCT COLLECTION DATA

Well Id.	Depth to Product	Water	h1	h2	Product Volume

ANALYTICAL REPORT

AYRES ASSOCIATES

LORI ROSEMORE

3433 OAKWOOD HILLS PKWY

EAU CLAIRE, WI 54701-1590

Project Name: ADAMS COUNTY LANDFILL

Project Phase: 10-1070.12

Contract #: 1451

Project #:

Folder #: 122856

Purchase Order #:

Page 1 of 6

Arrival Temperature: See COC

Report Date: 10/26/2016

Date Received: 10/13/2016

Reprint Date: 10/28/2016

CT LAB Sample#: 787423 Sample Description: MW-3

License/Well #: 03150/005 Sampled: 10/11/2016 1135

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		10/20/2017 09:20	10/20/2016 15:15	MER	EPA 9012A
Metals Results										
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			10/14/2016 10:52	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			10/14/2016 10:52	NAH	EPA 6010C
Dissolved Copper	<3.9	ug/L	3.9	13	1			10/14/2016 10:52	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			10/14/2016 10:52	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			10/14/2016 10:52	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			10/14/2016 10:52	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			10/14/2016 10:52	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1	M	10/21/2016 07:30	10/25/2016 10:18	LJF	EPA 7470A

CT LAB Sample#: 787424 Sample Description: MW-3P

License/Well #: 03150/006 Sampled: 10/11/2016 1230

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 787424	Sample Description: MW-3P	License/Well #: 03150/006	Sampled: 10/11/2016 1230
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		10/20/2017 09:20	10/20/2016 15:32	MER	EPA 9012A
Metals Results										
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			10/14/2016 11:00	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			10/14/2016 11:00	NAH	EPA 6010C
Dissolved Copper	<3.9	ug/L	3.9	13	1			10/14/2016 11:00	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			10/14/2016 11:00	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			10/14/2016 11:00	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			10/14/2016 11:00	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			10/14/2016 11:00	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		10/21/2016 07:30	10/25/2016 10:31	LJF	EPA 7470A

CT LAB Sample#: 787425	Sample Description: MW-16	License/Well #: 03150/013	Sampled: 10/11/2016 1300
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		10/20/2017 09:20	10/20/2016 15:36	MER	EPA 9012A
Metals Results										
Dissolved Copper	<3.9	ug/L	3.9	13	1			10/14/2016 11:07	NAH	EPA 6010C
Dissolved Manganese	3.5	ug/L	2.2 *	7.3	1			10/14/2016 11:07	NAH	EPA 6010C

CT LAB Sample#: 787427	Sample Description: MW-17	License/Well #: 03150/014	Sampled: 10/11/2016 1345
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 787427	Sample Description: MW-17	License/Well #: 03150/014	Sampled: 10/11/2016 1345
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		10/20/2017 09:20	10/20/2016 15:39	MER	EPA 9012A
Metals Results										
Dissolved Copper	<3.9	ug/L	3.9	13	1			10/14/2016 11:14	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			10/14/2016 11:14	NAH	EPA 6010C

CT LAB Sample#: 787428	Sample Description: MW-17P	License/Well #: 03150/015	Sampled: 10/11/2016 1445
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		10/20/2017 09:20	10/20/2016 15:42	MER	EPA 9012A
Metals Results										
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			10/14/2016 11:22	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			10/14/2016 11:22	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			10/14/2016 11:22	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			10/14/2016 11:22	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			10/14/2016 11:22	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			10/14/2016 11:22	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		10/21/2016 07:30	10/25/2016 10:33	LJF	EPA 7470A

CT LAB Sample#: 787429	Sample Description: MW-2	License/Well #: 03150/003	Sampled: 10/11/2016 1520
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 787429	Sample Description: MW-2	License/Well #: 03150/003	Sampled: 10/11/2016 1520
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		10/20/2017 09:20	10/20/2016 15:46	MER	EPA 9012A
Metals Results										
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			10/14/2016 11:29	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			10/14/2016 11:29	NAH	EPA 6010C
Dissolved Copper	<3.9	ug/L	3.9	13	1			10/14/2016 11:29	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			10/14/2016 11:29	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			10/14/2016 11:29	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			10/14/2016 11:29	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			10/14/2016 11:29	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		10/21/2016 07:30	10/25/2016 10:35	LJF	EPA 7470A

CT LAB Sample#: 787430	Sample Description: MW-2P	License/Well #: 03150/004	Sampled: 10/11/2016 1542
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Dissolved Cyanide	<6.0	ug/L	6.0	19	1		10/20/2017 09:20	10/20/2016 15:49	MER	EPA 9012A
Metals Results										
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			10/14/2016 11:38	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			10/14/2016 11:38	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			10/14/2016 11:38	NAH	EPA 6010C
Dissolved Manganese	<2.2	ug/L	2.2	7.3	1			10/14/2016 11:38	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			10/14/2016 11:38	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			10/14/2016 11:38	NAH	EPA 6010C
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		10/21/2016 07:30	10/25/2016 10:38	LJF	EPA 7470A

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 787431	Sample Description: MW-19	License/Well #: 03150/018	Sampled: 10/11/2016 1600
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Dissolved Cyanide <6.0 ug/L 6.0 19 1 10/20/2017 09:20 10/20/2016 15:53 MER EPA 9012A

Metals Results

Dissolved Manganese 9.6 ug/L 2.2 7.3 1 10/14/2016 11:45 NAH EPA 6010C

CT LAB Sample#: 787432	Sample Description: MW-19P	License/Well #: 03150/019	Sampled: 10/11/2016 1622
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Dissolved Cyanide <6.0 ug/L 6.0 19 1 10/20/2017 09:20 10/20/2016 15:56 MER EPA 9012A

Metals Results

Dissolved Cadmium <0.40 ug/L 0.40 1.4 1 10/14/2016 11:52 NAH EPA 6010C

Dissolved Chromium <2.0 ug/L 2.0 8.0 1 10/14/2016 11:52 NAH EPA 6010C

Dissolved Lead <1.3 ug/L 1.3 4.2 1 10/14/2016 11:52 NAH EPA 6010C

Dissolved Manganese <2.2 ug/L 2.2 7.3 1 10/14/2016 11:52 NAH EPA 6010C

Dissolved Selenium <7.0 ug/L 7.0 25 1 10/14/2016 11:52 NAH EPA 6010C

Dissolved Silver <2.5 ug/L 2.5 8.4 1 10/14/2016 11:52 NAH EPA 6010C

Dissolved Mercury <0.020 ug/L 0.020 0.066 1 10/21/2016 07:30 10/25/2016 10:40 LJF EPA 7470A

Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Eric T. Korthals
Project Manager
608-356-2760

QC Qualifiers

Code Description

B Analyte detected in the associated Method Blank.

C Toxicity present in BOD sample.

D Diluted Out.

E Safe, No Total Coliform detected.

F Unsafe, Total Coliform detected, no E. Coli detected.

G Unsafe, Total Coliform detected and E. Coli detected.

H Holding time exceeded.

I BOD incubator temperature was outside acceptance limits during test period.

J Estimated value.

L Significant peaks were detected outside the chromatographic window.

M Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.

N Insufficient BOD oxygen depletion.

O Complete BOD oxygen depletion.

P Concentration of analyte differs more than 40% between primary and confirmation analysis.

Q Laboratory Control Sample outside acceptance limits.

R See Narrative at end of report.

S Surrogate standard recovery outside acceptance limits due to apparent matrix effects.

T Sample received with improper preservation or temperature.

U Analyte concentration was below detection limit.

V Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.

W Sample amount received was below program minimum.

X Analyte exceeded calibration range.

Y Replicate/Duplicate precision outside acceptance limits.

Z Specified calibration criteria was not met.

Current CT Laboratories Certifications

Kansas NELAP ID# E-10368

Kentucky ID# 0023

ISO/IEC 17025-2005 A2LA Cert # 3806.01

North Carolina ID# 674

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 105-289

DoD-ELAP A2LA 3806.01

GA EPD Stipulation ID E871111, Expires Annually

Louisiana ID # 115843

Virginia ID# 7608

Illinois NELAP ID # 002413

Wisconsin (WOSB) ID# WI-5499-WBE

Maryland ID# 344

CHAIN OF CUSTODY RECORD

[illegible]

Ayres Associates Inc.
Engineers/Architects/Scientists/Photogrammetrists
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
(715)834-3181 Fax: (715)831-7500

AVRES ASSOCIATES

FIELD SAMPLING REPORT

Site Name: ADAMS Co. LANDFILL Job#: 15-1070.12 Project Manager: ROSEMARY Date: 5/25/17
 Sample collector(s): RSS Weather Conditions: CLEAR 65°F Lab: CTL - 101FAR

Sampling Sequence: _____ Sample Handling Methods: _____

I.D. Type		Ref. Elev. ft. MSL	Depth to Bottom		Depth of Water	Sample ² method	Purging ³		Time	°C	D.O.	Sp. Cond. Ω	pH	Eh mV	Turb. Color	Odor	Parameters	
			ft	Water			Date	Vol									#	#
PR-1142	Well																	
						GS	5/25/17	12:30	12:30	25.0		128.9	8.00					
Comments: SAMPLE TAKEN FROM PRESSURE TANK TAP, ABOUT 6 L OUT OF PRESSURE TANK TAP																		
Comments:																		
Comments:																		
Comments:																		
Comments:																		
Comments:																		
Comments:																		
Comments:																		

PRODUCT COLLECTION DATA

Well Id.	Depth to Product	Water	h1	h2	Product Volume

Note 3 - Purging
 Size, in. I.D. gallons/ft
 2 0.16
 3 0.4
 4 0.6
 5 1.0
 6 1.5
 8 2.6
 * see reverse for calculations

Note 2 - Sampling Method
 Code Description
 SSB Stainless Steel Bail, Add Length
 PVCB PVC Bail, Add Length
 TB Teflon Bail, Add Length
 DB Disposable Bail, Add Length
 GS Grab Sample
 Tap Tap Sample
 DS Dedicated System
 O Other

Note 1 - Sample Type
 Code Type Description
 WPF Well, PVC, Flush mt, Add Size
 WPP Well, PVC, Pro-top, Add Size
 WS Well, Steel, Add Size
 SUR Surface Water
 LY Lysimeter
 LE Leachate
 RWS Residential Water Supply
 Sys System, Add Influent/Effluent
 O Other



Commercial Testing Laboratory, Inc.

CTLCOLFAX.COM

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P.O. Box 526
Phone: 800-962-5227

Colfax, Wisconsin 54730
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ANALYTICAL REPORT

Nicole Bader
Ayres Associates-DW
3433 Oakwood Hills Parkway
Eau Claire WI 54701

Report Number: 17013452 Page: 1
Report Date: 6/ 2/17
Date Received: 5/26/17
PO Number: ADAMSCO

Sample Number	Sample ID	Test	Results	Method	LOD/LOQ	Date Analyzed
17-D1069	Supply Well	Alkalinity, mg/L CaCO ₃	90	310.2	5/17	6/ 2/17
	Adams Co	Chloride, mg/L	< 2	4500Cl-E	2/7	5/30/17
	Landfill	Hardness, mg/L CaCO ₃	100	SM2340B	1/3	5/31/17
	PROJ#10-1070.12					
	5/25/17					

WDNR Laboratory ID Number: 617013980

< Means "LESS THAN" Detectable Level

Authorized by:
Pamela Gane, Lab Manager

Reviewed by: _____