



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: MILLER ENERGY COMPANY II, LLC
Name:
ClientProj: 2021704006.02
GTA ProjNo: 120121-6

Site Addr: COLDWATER BIOCELL

Sampled By: JOSHUA GERRIE/GCES
Date Rec: 12/1/2021
Time Rec: 8:20 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-3	11/30/2021		WATER
2	BW-1	11/30/2021		WATER
3	SS-1	11/30/2021		SOIL
4	SS-2	11/30/2021		SOIL
5	SS-3	11/30/2021		SOIL
6	SS-4	11/30/2021		SOIL

ELECTRONIC SIGNATURE REPORT. This is a final report for the following pages of data for the samples specified above. All analysis was performed by the methods stated and all quality control measures required were completed. All quality control information is available upon request.

Kirk Chase

Kirk L. Chase/Chemist
Grand Traverse Analytical
830 Robinwood Court
Traverse City, MI 49686
Ph: 231-929-0905
Fx: 231-929-0894
SP: 231-590-0291
kirk@gtanalytical.com



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: MILLER ENERGY COMPANY II, LLC
PROJECT NO: 2021704006.02
LOCATION: COLDWATER BIOCELL
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-3

GTA PROJECT NO: 120121-6
GTA SAMPLE NO: 1
DATE SAMPLED: 11/30/2021
TIME SAMPLED:
DATE RECEIVED: 12/1/2021
TIME RECEIVED: 8:20 AM
SAMPLED BY: JOSHUA GERRIE/GCES

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/2/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: MILLER ENERGY COMPANY II, LLC
PROJECT NO: 2021704006.02
LOCATION: COLDWATER BIOCELL
MI
SAMPLE MATRIX: WATER
SAMPLE ID: BW-1
GTA PROJECT NO: 120121-6
GTA SAMPLE NO: 2
DATE SAMPLED: 11/30/2021
TIME SAMPLED:
DATE RECEIVED: 12/1/2021
TIME RECEIVED: 8:20 AM
SAMPLED BY: JOSHUA GERRIE/GCES

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/2/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2021704006.02

LOCATION: COLDWATER BIOCELL

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: SS-1

GTA PROJECT NO: 120121-6

GTA SAMPLE NO: 3

DATE SAMPLED: 11/30/2021

TIME SAMPLED:

DATE RECEIVED: 12/1/2021

TIME RECEIVED: 8:20 AM

SAMPLED BY: JOSHUA GERRIE/GCES

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	11/30/2021	12/2/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: MILLER ENERGY COMPANY II, LLC
PROJECT NO: 2021704006.02
LOCATION: COLDWATER BIOCELL
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SS-2

GTA PROJECT NO: 120121-6
GTA SAMPLE NO: 4
DATE SAMPLED: 11/30/2021
TIME SAMPLED:
DATE RECEIVED: 12/1/2021
TIME RECEIVED: 8:20 AM

SAMPLED BY: JOSHUA GERRIE/GCES
**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	11/30/2021	12/2/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2021704006.02

LOCATION: COLDWATER BIOCELL

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: SS-3

GTA PROJECT NO: 120121-6

GTA SAMPLE NO: 5

DATE SAMPLED: 11/30/2021

TIME SAMPLED:

DATE RECEIVED: 12/1/2021

TIME RECEIVED: 8:20 AM

SAMPLED BY: JOSHUA GERRIE/GCES

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	11/30/2021	12/2/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: MILLER ENERGY COMPANY II, LLC
 PROJECT NO: 2021704006.02
 LOCATION: COLDWATER BIOCELL
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: SS-4

GTA PROJECT NO: 120121-6
 GTA SAMPLE NO: 6
 DATE SAMPLED: 11/30/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/1/2021
 TIME RECEIVED: 8:20 AM

SAMPLED BY: JOSHUA GERRIE/GCES
 **THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	11/30/2021	12/2/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
 ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: MILLER ENERGY COMPANY II, LLC
PROJECT NO: 2021704006.02
LOCATION: COLDWATER BIOCELL
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 120121-6
GTA SAMPLE NO: 1
DATE SAMPLED: 11/30/2021
TIME SAMPLED:
DATE RECEIVED: 12/1/2021
TIME RECEIVED: 8:20 AM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
SAMPLE ID: MW-3							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	TR	12/2/2021	WATER

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: MILLER ENERGY COMPANY II, LLC
 PROJECT NO: 2021704006.02
 LOCATION: COLDWATER BIOCELL

GTA PROJECT NO: 120121-6
 GTA SAMPLE NO: 2
 DATE SAMPLED: 11/30/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/1/2021
 TIME RECEIVED: 8:20 AM

MI
 SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
SAMPLE ID: BW-1	CHLORIDE EPA 300.0	210	10	mg/L (PPM)	TR	12/2/2021	WATER

ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION
 s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: MILLER ENERGY COMPANY II, LLC
 PROJECT NO: 2021704006.02
 LOCATION: COLDWATER BIOCELL

GTA PROJECT NO: 120121-6
 GTA SAMPLE NO: 3
 DATE SAMPLED: 11/30/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/1/2021
 TIME RECEIVED: 8:20 AM

MI
 SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
SAMPLE ID: SS-1	CHLORIDE EPA 300.0	580	120	mg/Kg (PPM)	TR/AS	12/2/2021	SOIL

ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION
 s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: MILLER ENERGY COMPANY II, LLC
 PROJECT NO: 2021704006.02
 LOCATION: COLDWATER BIOCELL

GTA PROJECT NO: 120121-6
 GTA SAMPLE NO: 4
 DATE SAMPLED: 11/30/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/1/2021
 TIME RECEIVED: 8:20 AM

MI
 SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
	SAMPLE ID: SS-2 CHLORIDE EPA 300.0	150	120	mg/Kg (PPM)	TR/AS	12/2/2021	SOIL

ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION
 s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: MILLER ENERGY COMPANY II, LLC
 PROJECT NO: 2021704006.02
 LOCATION: COLDWATER BIOCELL

GTA PROJECT NO: 120121-6
 GTA SAMPLE NO: 5
 DATE SAMPLED: 11/30/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/1/2021
 TIME RECEIVED: 8:20 AM

MI
 SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
	SAMPLE ID: SS-3 CHLORIDE EPA 300.0	470	110	mg/Kg (PPM)	TR/AS	12/2/2021	SOIL

ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION
 s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: MILLER ENERGY COMPANY II, LLC
 PROJECT NO: 2021704006.02
 LOCATION: COLDWATER BIOCELL

GTA PROJECT NO: 120121-6
 GTA SAMPLE NO: 6

DATE SAMPLED: 11/30/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/1/2021
 TIME RECEIVED: 8:20 AM

MI
 SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
SAMPLE ID: SS-4	CHLORIDE EPA 300.0	380	110	mg/Kg (PPM)	TR/AS	12/2/2021	SOIL

ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION
 s.u. = STANDARD pH UNITS REPORTED AT 25 C



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: MILLER ENERGY COMPANY II, LLC

NAME:
PROJECT NO: 2021704006.02

LOCATION: COLDWATER BIOCELL

MI

GTA PROJECT NO: 120121-
SAMPLED BY: JOSHUA GERRIE/GCES

DATE SAMPLED: 11/30/2021

SAMPLE MATRIX: SOIL

DATE RECEIVED: 12/1/2021
TIME RECEIVED: 8:20 AM

MOISTURE

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
SAMPLE ID: SS-1	% MOISTURE EPA 3550C	22	0.050	% OF SAMPLE	AS	12/1/2021
SAMPLE ID: SS-2	% MOISTURE EPA 3550C	21	0.050	% OF SAMPLE	AS	12/1/2021
SAMPLE ID: SS-3	% MOISTURE EPA 3550C	18	0.050	% OF SAMPLE	AS	12/1/2021
SAMPLE ID: SS-4	% MOISTURE EPA 3550C	19	0.050	% OF SAMPLE	AS	12/1/2021

CHAIN OF CUSTODY

PROJECT NUMBER <i>2021704006.02</i>	SITE NAME/ADDRESS <i>Coldwater Biocell</i>	COMPANY/NAME <i>Miller Energy Co.</i>
SAMPLED BY <i>Joshua Gemie</i>	COMPANY <i>Gosling Czubak</i>	GTA PROJECT # <i>120121-6</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-3	11-30-21		GW	BTEX + Chloride
2	BW-1	↓		↓	↓
3	SS-1			Soil	
4	SS-2			↓	
5	SS-3			↓	
6	SS-4			↓	

BILL TO: <i>Miller Energy</i>	TempRec: <input checked="" type="checkbox"/> <i>-2C</i>	Y <input checked="" type="checkbox"/> N <input type="checkbox"/> On Ice? <input checked="" type="checkbox"/> <input type="checkbox"/>	REPORT TO: <i>Eric Vincke - GCES</i> <i>Laura Dyke - Miller Energy</i>
RELEASED BY <i>[Signature]</i>	DATE/TIME <i>12-1-21/0820</i>	RECEIVED BY <i>Trevor Ruel</i>	DATE/TIME <i>12-1-21 8:20</i>

REQUESTED TAT STANDARD 1 BUSINESS DAY 2 BUSINESS DAYS 3 BUSINESS DAYS