

**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: 2020704029.01
GTA ProjNo: 041421-5

Site Addr: MOLL

Sampled By: MIKE RANKENS/GCES
Date Rec: 4/14/2021
Time Rec: 10:40 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	HA-11 (1')	4/13/2021	1:35 PM	SOIL
2	HA-11 (2')	4/13/2021	1:57 PM	SOIL
3	HA-12 (1')	4/13/2021	2:10 PM	SOIL
4	HA-12 (2')	4/13/2021	2:14 PM	SOIL
5	HA-13 (1')	4/13/2021	2:50 PM	SOIL
6	HA-13 (2')	4/13/2021	2:55 PM	SOIL
7	HA-14 (1')	4/13/2021	3:45 PM	SOIL
8	HA-14 (2')	4/13/2021	3:51 PM	SOIL
9	HA-15 (1')	4/13/2021	4:07 PM	SOIL
10	HA-15 (2')	4/13/2021	4:14 PM	SOIL
11	HA-16 (1')	4/13/2021	4:27 PM	SOIL
12	HA-16 (2')	4/13/2021	4:34 PM	SOIL
13	TW-1	4/13/2021	4:58 PM	WATER

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: 2020704029.01

LOCATION: MOLL

GTA PROJECT NO: 041421-5

GTA SAMPLE NO: 1

DATE SAMPLED: 4/13/2021

TIME SAMPLED: 1:35 PM

DATE RECEIVED: 4/14/2021

TIME RECEIVED: 10:40 AM

SAMPLED BY: MI
MIKE RANKENS/GCES**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: HA-11 (1')

CHLORIDE EPA 300.0

Concentration

820

LOD

99

Units

mg/Kg (PPM) TR

Analyst

TR

Date Completed

4/15/2021

Sample

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

GTA PROJECT NO: 041421-5

PROJECT NO: 2020704029.01

GTA SAMPLE NO: 2

LOCATION: MOLL

DATE SAMPLED: 4/13/2021

TIME SAMPLED: 1:57 PM

DATE RECEIVED: 4/14/2021

TIME RECEIVED: 10:40 AM

MI

SAMPLED BY: MIKE RANKENS/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: HA-11 (2')						
	CHLORIDE EPA 300.0	1,200	100	mg/Kg (PPM)	TR	4/15/2021	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
PROJECT NO: 2020704029.01
LOCATION: MOLL
MI
SAMPLED BY: MIKE RANKENS/GCES

GTA PROJECT NO: 041421-5
GTA SAMPLE NO: 3
DATE SAMPLED: 4/13/2021
TIME SAMPLED: 2:10 PM
DATE RECEIVED: 4/14/2021
TIME RECEIVED: 10:40 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: HA-12 (1')						
	CHLORIDE EPA 300.0	ND	98	mg/Kg (PPM)	TR	4/15/2021	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	GTA PROJECT NO:	041421-5
PROJECT NO:	2020704029.01	GTA SAMPLE NO:	4
LOCATION:	MOLL	DATE SAMPLED:	4/13/2021
		TIME SAMPLED:	2:14 PM
		DATE RECEIVED:	4/14/2021
		TIME RECEIVED:	10:40 AM
	MI		
SAMPLED BY:	MIKE RANKENS/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: HA-12 (2')						
	CHLORIDE EPA 300.0	180	100	mg/Kg (PPM)	TR	4/15/2021	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

PROJECT NO: 2020704029.01

LOCATION: MOLL

GTA PROJECT NO: 041421-5

GTA SAMPLE NO: 5

DATE SAMPLED: 4/13/2021

TIME SAMPLED: 2:50 PM

DATE RECEIVED: 4/14/2021

TIME RECEIVED: 10:40 AM

SAMPLED BY: MI
MIKE RANKENS/GCES**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: HA-13 (1')

CHLORIDE EPA 300.0

Concentration

ND

LOD

100

Units

mg/Kg (PPM) TR

Analyst

TR

Date Completed

4/15/2021

Sample

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	GTA PROJECT NO:	041421-5
PROJECT NO:	2020704029.01	GTA SAMPLE NO:	6
LOCATION:	MOLL	DATE SAMPLED:	4/13/2021
		TIME SAMPLED:	2:55 PM
		DATE RECEIVED:	4/14/2021
		TIME RECEIVED:	10:40 AM
	MI		
SAMPLED BY:	MIKE RANKENS/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: HA-13 (2')						
	CHLORIDE EPA 300.0	270	120	mg/Kg (PPM)	TR	4/15/2021	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

GTA PROJECT NO: 041421-5

PROJECT NO: 2020704029.01

GTA SAMPLE NO: 7

LOCATION: MOLL

DATE SAMPLED: 4/13/2021

TIME SAMPLED: 3:45 PM

DATE RECEIVED: 4/14/2021

TIME RECEIVED: 10:40 AM

MI

SAMPLED BY: MIKE RANKENS/GCES

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: HA-14 (1')

CHLORIDE EPA 300.0

Concentration

ND

LOD

110

Units

mg/Kg (PPM) TR

Analyst

TR

Date Completed

4/15/2021

Sample

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

GTA PROJECT NO: 041421-5

PROJECT NO: 2020704029.01

GTA SAMPLE NO: 8

LOCATION: MOLL

DATE SAMPLED: 4/13/2021

TIME SAMPLED: 3:51 PM

DATE RECEIVED: 4/14/2021

TIME RECEIVED: 10:40 AM

MI

SAMPLED BY: MIKE RANKENS/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: HA-14 (2')						
	CHLORIDE EPA 300.0	330	100	mg/Kg (PPM)	TR	4/15/2021	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

GTA PROJECT NO: 041421-5

PROJECT NO: 2020704029.01

GTA SAMPLE NO: 9

LOCATION: MOLL

DATE SAMPLED: 4/13/2021

TIME SAMPLED: 4:07 PM

DATE RECEIVED: 4/14/2021

TIME RECEIVED: 10:40 AM

SAMPLED BY: MI
MIKE RANKENS/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: HA-15 (1')						
	CHLORIDE EPA 300.0	ND	100	mg/Kg (PPM)	TR	4/15/2021	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

GTA PROJECT NO: 041421-5

PROJECT NO: 2020704029.01

GTA SAMPLE NO: 10

LOCATION: MOLL

DATE SAMPLED: 4/13/2021

TIME SAMPLED: 4:14 PM

DATE RECEIVED: 4/14/2021

TIME RECEIVED: 10:40 AM

MI

SAMPLED BY: MIKE RANKENS/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: HA-15 (2')

CHLORIDE EPA 300.0

Concentration

ND

LOD

110

Units

mg/Kg (PPM) TR

Analyst

Date Completed

4/15/2021

Sample

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

PROJECT NO: 2020704029.01

LOCATION: MOLL

GTA PROJECT NO: 041421-5

GTA SAMPLE NO: 11

DATE SAMPLED: 4/13/2021

TIME SAMPLED: 4:27 PM

DATE RECEIVED: 4/14/2021

TIME RECEIVED: 10:40 AM

SAMPLED BY: MI
MIKE RANKENS/GCES**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: HA-16 (1')

CHLORIDE EPA 300.0

Concentration

440

LOD

110

Units

mg/Kg (PPM) TR

Analyst

TR

Date Completed

4/15/2021

Sample

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

GTA PROJECT NO: 041421-5

PROJECT NO: 2020704029.01

GTA SAMPLE NO: 12

LOCATION: MOLL

DATE SAMPLED: 4/13/2021

TIME SAMPLED: 4:34 PM

DATE RECEIVED: 4/14/2021

TIME RECEIVED: 10:40 AM

MI

SAMPLED BY: MIKE RANKENS/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: HA-16 (2')

CHLORIDE EPA 300.0

Concentration

700

LOD

110

Units

mg/Kg (PPM) TR

Analyst

TR

Date Completed

4/15/2021

Sample

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

PROJECT NO: 2020704029.01

LOCATION: MOLL

GTA PROJECT NO: 041421-5

GTA SAMPLE NO: 13

DATE SAMPLED: 4/13/2021

TIME SAMPLED: 4:58 PM

DATE RECEIVED: 4/14/2021

TIME RECEIVED: 10:40 AM

SAMPLED BY: MI
MIKE RANKENS/GCES**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: TW-1

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

KC

Date Completed

4/19/2021

Sample

WATER

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: 2020704029.01

GTA PROJECT NO: 041421-

SAMPLED BY: MIKE RANKENS/GCES

DATE SAMPLED: 4/13/2021

TIME SAMPLED: 1:35 PM

SAMPLE MATRIX: SOIL

LOCATION: MOLL

DATE RECEIVED: 4/14/2021

TIME RECEIVED: 10:40 AM

MI

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: HA-11 (1')	% MOISTURE EPA 3550C	12	0.050	% OF SAMPLE	AS	4/14/2021
SAMPLE ID: HA-11 (2')	% MOISTURE EPA 3550C	11	0.050	% OF SAMPLE	AS	4/14/2021
SAMPLE ID: HA-12 (1')	% MOISTURE EPA 3550C	15	0.050	% OF SAMPLE	AS	4/14/2021
SAMPLE ID: HA-12 (2')	% MOISTURE EPA 3550C	16	0.050	% OF SAMPLE	AS	4/14/2021
SAMPLE ID: HA-13 (1')	% MOISTURE EPA 3550C	17	0.050	% OF SAMPLE	AS	4/14/2021
SAMPLE ID: HA-13 (2')	% MOISTURE EPA 3550C	15	0.050	% OF SAMPLE	AS	4/14/2021
SAMPLE ID: HA-14 (1')	% MOISTURE EPA 3550C	16	0.050	% OF SAMPLE	AS	4/14/2021
SAMPLE ID: HA-14 (2')	% MOISTURE EPA 3550C	16	0.050	% OF SAMPLE	AS	4/14/2021
SAMPLE ID: HA-15 (1')	% MOISTURE EPA 3550C	15	0.050	% OF SAMPLE	AS	4/14/2021
SAMPLE ID: HA-15 (2')	% MOISTURE EPA 3550C	14	0.050	% OF SAMPLE	AS	4/14/2021
SAMPLE ID: HA-16 (1')	% MOISTURE EPA 3550C	15	0.050	% OF SAMPLE	AS	4/14/2021
SAMPLE ID: HA-16 (2')	% MOISTURE EPA 3550C	19	0.050	% OF SAMPLE	AS	4/14/2021

CHAIN OF CUSTODY

PROJECT NUMBER 2020704029.01 SITE NAME/ADDRESS Moll COMPANY/NAME Miller Energy Company II, LLC
~~7020704020.01~~
SAMPLED BY Mike Rankens COMPANY Gosling Curbak **GTA PROJECT #** 041421-5

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	HA-11 (1')	4/13/2021	1335	Soil	Chloride
2	HA-11 (2')	4/13/2021	1357	Soil	Chloride
3	HA-12 (1')	4/13/2021	1410	Soil	Chloride
4	HA-12 (2')	4/13/2021	1414	Soil	Chloride
5	HA-13 (1')	4/13/2021	1450	Soil	Chloride
6	HA-13 (2')	4/13/2021	1455	Soil	Chloride
7	HA-14 (1')	4/13/2021	1545	Soil	Chloride
8	HA-14 (2')	4/13/2021	1551	Soil	Chloride
9	HA-15 (1')	4/13/2021	1607	Soil	Chloride
10	HA-15 (2')	4/13/2021	1614	Soil	Chloride
11	HA-16 (1')	4/13/2021	1627	Soil	Chloride
12	HA-16 (2')	4/13/2021	1634	Soil	Chloride
13	TW-1	4/13/2021	1658	Water	Chloride

BILL TO:

Miller Energy Company II, LLC

REPORT TO:

Lauren Dyke - Miller
Eric Vincke - Gosling

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
<u>Mike Rankens</u>	4/13/2021 @ 1920	GCE's Cold Storage	4/13/2021 @ 1920
GCE's Cold Storage	4/14/2021 @ 0830	<u>Mike Rankens</u>	4/14/2021 @ 0830
<u>Mike Rankens</u>	4/14/2021 @ 1040	<u>Mike Rankens</u>	4/14/21 @ 1040 rec'd on file

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