



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: 2020704031.01

GTA ProjNo: 041421-3

Site Addr: RUCK

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-19 (1')	4/13/2021	11:10 AM	SOIL
2	HA-20 (1')	4/13/2021	11:23 AM	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
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830 Robinwood Court
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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704031.01

LOCATION: RUCK

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-19 (1')

GTA PROJECT NO: 041421-3

GTA SAMPLE NO: 1

DATE SAMPLED: 4/13/2021

TIME SAMPLED: 11:10 AM

DATE RECEIVED: 4/14/2021

TIME RECEIVED: 10:40 AM

SAMPLED BY: MIKE RANKENS/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		4/13/2021	4/15/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704031.01

LOCATION: RUCK

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-20 (1')

GTA PROJECT NO: 041421-3

GTA SAMPLE NO: 2

DATE SAMPLED: 4/13/2021

TIME SAMPLED: 11:23 AM

DATE RECEIVED: 4/14/2021

TIME RECEIVED: 10:40 AM

SAMPLED BY: MIKE RANKENS/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>
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Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704031.01

LOCATION: RUCK

GTA PROJECT NO: 041421-3

GTA SAMPLE NO: 1

DATE SAMPLED: 4/13/2021

TIME SAMPLED: 11:10 AM

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-19 (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: 041421-3

PROJECT NO: 2020704031.01

GTA SAMPLE NO: 2

LOCATION: RUCK

DATE SAMPLED: 4/13/2021

TIME SAMPLED: 11:23 AM

DATE RECEIVED: 4/14/2021

TIME RECEIVED: 10:40 AM

MI

SAMPLED BY: MIKE RANKENS/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: HA-20 (1')

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample

ND

110

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

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COMPANY: MILLER ENERGY COMPANY II, LLC

NAME:

PROJECT NO: 2020704031.01

LOCATION: RUCK

MI

GTA PROJECT NO: 041421-

SAMPLED BY: MIKE RANKENS/GCES

DATE SAMPLED: 4/13/2021

TIME SAMPLED: 11:10 AM

SAMPLE MATRIX: SOIL

DATE RECEIVED: 4/14/2021

TIME RECEIVED: 10:40 AM

MOISTURE**No: Analysis**

SAMPLE ID: HA-19 (1')

% MOISTURE EPA 3550C

SAMPLE ID: HA-20 (1')

% MOISTURE EPA 3550C

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
14	0.050	% OF SAMPLE	AS	4/14/2021
16	0.050	% OF SAMPLE	AS	4/14/2021

CHAIN OF CUSTODY

PROJECT NUMBER 2020704031.01	SITE NAME/ADDRESS Ruck	COMPANY/NAME Miller Energy Company II, LLC
SAMPLED BY Mike Rankens	COMPANY Gosling Czubak	GTA PROJECT # 04/421-3

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	HA-19 (1')	4/13/2021	1110	Soil	BTEX+4 AND Chloride
2	HA-20 (1')	4/13/2021	1123	Soil	BTEX+4 AND Chloride

BILL TO:

Miller Energy Company II, LLC

REPORT TO:

Laura Dyke - Miller
Eric Vincke - Gosling

RELEASED BY Mike Rankens	DATE/TIME 4/13/2021 @ 1920	RECEIVED BY GCE's Cold Storage	DATE/TIME 4/13/2021 @ 1920
GCE's Cold Storage	4/14/2021 @ 0830	Mike Rankens	4/14/2021 @ 0830
Mike Rankens	4/14/2021 @ 1040	STV	4/14/21 1040 rec'd once
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			