

**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: 2020704005.01

GTA ProjNo: 050622-10

Site Addr: RICHMOND TWP PIPELINE

Sampled By: RAY FARVE/GCES

Date Rec: 5/6/2022

Time Rec: 1:26 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-4	5/6/2022	10:53 AM	WATER
2	MW-5D	5/6/2022	11:50 AM	WATER
3	MW-7	5/6/2022	11:20 AM	WATER
4	23141 US-10	5/6/2022	10:19 AM	WATER
5	23061 US 10	5/6/2022	10:35 AM	WATER
6	4967 230TH	5/6/2022	12:00 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
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830 Robinwood Court
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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704005.01

LOCATION: RICHMOND TWP PIPELINE

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-4

GTA PROJECT NO: 050622-10

GTA SAMPLE NO: 1

DATE SAMPLED: 5/6/2022

TIME SAMPLED: 10:53 AM

DATE RECEIVED: 5/6/2022

TIME RECEIVED: 1:26 PM

SAMPLED BY: RAY FARVE/GCES

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	1.0	ug/L (PPB)	MR		5/9/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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: 2020704005.01

LOCATION: RICHMOND TWP PIPELINE

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-5D

GTA PROJECT NO: 050622-10

GTA SAMPLE NO: 2

DATE SAMPLED: 5/6/2022

TIME SAMPLED: 11:50 AM

DATE RECEIVED: 5/6/2022

TIME RECEIVED: 1:26 PM

SAMPLED BY: RAY FARVE/GCES

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	1.0	ug/L (PPB)	MR		5/9/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

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LOD = LIMIT OF DETECTION

COMPANY: MILLER ENERGY COMPANY II, LLC

GTA PROJECT NO: 050622-10

PROJECT NO: 2020704005.01

GTA SAMPLE NO: 3

LOCATION: RICHMOND TWP PIPELINE

DATE SAMPLED: 5/6/2022

TIME SAMPLED: 11:20 AM

DATE RECEIVED: 5/6/2022

TIME RECEIVED: 1:26 PM

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-7

SAMPLED BY: RAY FARVE/GCES

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	1.0	ug/L (PPB)	MR		5/9/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	050622-10
PROJECT NO:	2020704005.01	GTA SAMPLE NO:	4
LOCATION:	RICHMOND TWP PIPELINE	DATE SAMPLED:	5/6/2022
		TIME SAMPLED:	10:19 AM
		DATE RECEIVED:	5/6/2022
	MI	TIME RECEIVED:	1:26 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	23141 US-10	SAMPLED BY:	RAY FARVE/GCES

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	1.0	ug/L (PPB)	MR		5/9/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	050622-10
PROJECT NO:	2020704005.01	GTA SAMPLE NO:	5
LOCATION:	RICHMOND TWP PIPELINE	DATE SAMPLED:	5/6/2022
		TIME SAMPLED:	10:35 AM
		DATE RECEIVED:	5/6/2022
	MI	TIME RECEIVED:	1:26 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	23061 US 10	SAMPLED BY:	RAY FARVE/GCES

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	1.0	ug/L (PPB)	MR		5/9/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	050622-10
PROJECT NO:	2020704005.01	GTA SAMPLE NO:	6
LOCATION:	RICHMOND TWP PIPELINE	DATE SAMPLED:	5/6/2022
		TIME SAMPLED:	12:00 PM
		DATE RECEIVED:	5/6/2022
	MI	TIME RECEIVED:	1:26 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	4967 230TH	SAMPLED BY:	RAY FARVE/GCES

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	1.0	ug/L (PPB)	MR		5/9/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704005.01

LOCATION: RICHMOND TWP PIPELINE

GTA PROJECT NO: 050622-10

GTA SAMPLE NO: 1

DATE SAMPLED: 5/6/2022

TIME SAMPLED: 10:53 AM

DATE RECEIVED: 5/6/2022

TIME RECEIVED: 1:26 PM

SAMPLED BY: MI
RAY FARVE/GCES**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-4

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

5/13/2022

Sample

WATER

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

PROJECT NO: 2020704005.01

LOCATION: RICHMOND TWP PIPELINE

GTA PROJECT NO: 050622-10

GTA SAMPLE NO: 2

DATE SAMPLED: 5/6/2022

TIME SAMPLED: 11:50 AM

DATE RECEIVED: 5/6/2022

TIME RECEIVED: 1:26 PM

SAMPLED BY: MI
RAY FARVE/GCES**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-5D

CHLORIDE EPA 300.0

Concentration

370

LOD

50

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

5/13/2022

Sample

WATER

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

PROJECT NO: 2020704005.01

LOCATION: RICHMOND TWP PIPELINE

GTA PROJECT NO: 050622-10

GTA SAMPLE NO: 3

DATE SAMPLED: 5/6/2022

TIME SAMPLED: 11:20 AM

DATE RECEIVED: 5/6/2022

TIME RECEIVED: 1:26 PM

SAMPLED BY: MI
RAY FARVE/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: MW-7						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	5/13/2022	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

GTA PROJECT NO: 050622-10

PROJECT NO: 2020704005.01

GTA SAMPLE NO: 4

LOCATION: RICHMOND TWP PIPELINE

DATE SAMPLED: 5/6/2022

TIME SAMPLED: 10:19 AM

DATE RECEIVED: 5/6/2022

TIME RECEIVED: 1:26 PM

MI

SAMPLED BY: RAY FARVE/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: 23141 US-10

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

5/13/2022

Sample

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: 2020704005.01

LOCATION: RICHMOND TWP PIPELINE

GTA PROJECT NO: 050622-10

GTA SAMPLE NO: 5

DATE SAMPLED: 5/6/2022

TIME SAMPLED: 10:35 AM

DATE RECEIVED: 5/6/2022

TIME RECEIVED: 1:26 PM

SAMPLED BY: MI
RAY FARVE/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: 23061 US 10 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	5/13/2022	WATER

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

PROJECT NO: 2020704005.01

LOCATION: RICHMOND TWP PIPELINE

GTA PROJECT NO: 050622-10

GTA SAMPLE NO: 6

DATE SAMPLED: 5/6/2022

TIME SAMPLED: 12:00 PM

DATE RECEIVED: 5/6/2022

TIME RECEIVED: 1:26 PM

SAMPLED BY: MI
RAY FARVE/GCES**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: 4967 230TH

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

5/13/2022

Sample

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

CHAIN OF CUSTODY

PROJECT NUMBER <i>2020704005.01</i>	SITE NAME/ADDRESS <i>Richmond TWP Pipeline</i>	COMPANY/NAME <i>M. Miller Energy</i>
SAMPLED BY <i>Ray Farns</i>	COMPANY <i>GCEs</i>	GTA PROJECT # <i>050622-10</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
<i>1</i>	<i>MW-4</i>	<i>5-6-22</i>	<i>10:53</i>	<i>GW</i>	<i>BTEX⁺, CH₂Cl₂</i>
<i>2</i>	<i>MW-5d</i>	<i> </i>	<i>11:50</i>	<i> </i>	<i> </i>
<i>3</i>	<i>MW-7</i>	<i> </i>	<i>11:20</i>	<i> </i>	<i> </i>
<i>4</i>	<i>2314/ US-10</i>	<i> </i>	<i>10:19</i>	<i> </i>	<i> </i>
<i>5</i>	<i>2361 US-10</i>	<i> </i>	<i>10:35</i>	<i> </i>	<i> </i>
<i>6</i>	<i>4967 230th</i>	<i> </i>	<i>12:00</i>	<i> </i>	<i> </i>

BILL TO:

Miller Energy

see

REPORT TO:

2-10 OUTCE Eric Vincke

RELEASED BY

DATE/TIME

Ray Farns

5-6-22 / 1:26

RECEIVED BY

DATE/TIME

[Signature] 5/6/22 1:26

REQUESTED TAT

☐ STANDARD

☐ 1 BUSINESS DAY

☐ 2 BUSINESS DAYS

☐ 3 BUSINESS DAYS