

**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: 120822-10

Site Addr: RICHMOND TWP PIPELINE

Sampled By: MAX KORNDORFER/GCES

Date Rec: 12/8/2022

Time Rec: 4:00 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	23141 US-10	12/8/2022	11:20 AM	WATER
2	23061 US-10	12/8/2022	11:40 AM	WATER
3	MW-4	12/8/2022	12:10 PM	WATER
4	MW-5D	12/8/2022	1:05 PM	WATER
5	MW-5S	12/8/2022	1:15 PM	WATER
6	MW-7	12/8/2022	2:00 PM	WATER
7	MW-6	12/8/2022	2:30 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

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704005.01

LOCATION: RICHMOND TWP PIPELINE

MI

SAMPLE MATRIX: WATER

SAMPLE ID: 23141 US-10

GTA PROJECT NO: 120822-10

GTA SAMPLE NO: 1

DATE SAMPLED: 12/8/2022

TIME SAMPLED: 11:20 AM

DATE RECEIVED: 12/8/2022

TIME RECEIVED: 4:00 PM

SAMPLED BY: MAX KORNDORFER/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		12/13/2022	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: 23061 US-10

GTA PROJECT NO: 120822-10

GTA SAMPLE NO: 2

DATE SAMPLED: 12/8/2022

TIME SAMPLED: 11:40 AM

DATE RECEIVED: 12/8/2022

TIME RECEIVED: 4:00 PM

SAMPLED BY: MAX KORNDORFER/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		12/13/2022	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					

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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: 120822-10

GTA SAMPLE NO: 3

DATE SAMPLED: 12/8/2022

TIME SAMPLED: 12:10 PM

DATE RECEIVED: 12/8/2022

TIME RECEIVED: 4:00 PM

SAMPLED BY: MAX KORNDORFER/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		12/13/2022	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: 120822-10

PROJECT NO: 2020704005.01

GTA SAMPLE NO: 4

LOCATION: RICHMOND TWP PIPELINE

DATE SAMPLED: 12/8/2022

TIME SAMPLED: 1:05 PM

DATE RECEIVED: 12/8/2022

TIME RECEIVED: 4:00 PM

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-5D

SAMPLED BY: MAX KORNDORFER/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		12/13/2022	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: 120822-10

PROJECT NO: 2020704005.01

GTA SAMPLE NO: 5

LOCATION: RICHMOND TWP PIPELINE

DATE SAMPLED: 12/8/2022

TIME SAMPLED: 1:15 PM

DATE RECEIVED: 12/8/2022

TIME RECEIVED: 4:00 PM

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-5S

SAMPLED BY: MAX KORNDORFER/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		12/13/2022	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: 120822-10

PROJECT NO: 2020704005.01

GTA SAMPLE NO: 6

LOCATION: RICHMOND TWP PIPELINE

DATE SAMPLED: 12/8/2022

TIME SAMPLED: 2:00 PM

DATE RECEIVED: 12/8/2022

TIME RECEIVED: 4:00 PM

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-7

SAMPLED BY: MAX KORNDORFER/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		12/13/2022	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: 120822-10

PROJECT NO: 2020704005.01

GTA SAMPLE NO: 7

LOCATION: RICHMOND TWP PIPELINE

DATE SAMPLED: 12/8/2022

TIME SAMPLED: 2:30 PM

DATE RECEIVED: 12/8/2022

TIME RECEIVED: 4:00 PM

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-6

SAMPLED BY: MAX KORNDORFER/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		12/13/2022	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: 120822-10

GTA SAMPLE NO: 1

DATE SAMPLED: 12/8/2022

TIME SAMPLED: 11:20 AM

DATE RECEIVED: 12/8/2022

TIME RECEIVED: 4:00 PM

SAMPLED BY: MI
MAX KORNDORFER/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

12/13/2022

Sample Matrix

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: 120822-10

GTA SAMPLE NO: 2

DATE SAMPLED: 12/8/2022

TIME SAMPLED: 11:40 AM

DATE RECEIVED: 12/8/2022

TIME RECEIVED: 4:00 PM

SAMPLED BY: MI
MAX KORNDORFER/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: 23061 US-10

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
ND	10	mg/L (PPM)	KC/TR	12/13/2022	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: 120822-10

GTA SAMPLE NO: 3

DATE SAMPLED: 12/8/2022

TIME SAMPLED: 12:10 PM

DATE RECEIVED: 12/8/2022

TIME RECEIVED: 4:00 PM

SAMPLED BY: MI
MAX KORNDORFER/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

12/13/2022

Sample Matrix

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: 120822-10

GTA SAMPLE NO: 4

DATE SAMPLED: 12/8/2022

TIME SAMPLED: 1:05 PM

DATE RECEIVED: 12/8/2022

TIME RECEIVED: 4:00 PM

SAMPLED BY: MI
MAX KORNDORFER/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 Matrix</u>
SAMPLE ID:	MW-5D						
CHLORIDE EPA 300.0		1,900	50	mg/L (PPM)	KC/TR	12/13/2022	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

PROJECT NO: 2020704005.01

LOCATION: RICHMOND TWP PIPELINE

GTA PROJECT NO: 120822-10

GTA SAMPLE NO: 5

DATE SAMPLED: 12/8/2022

TIME SAMPLED: 1:15 PM

DATE RECEIVED: 12/8/2022

TIME RECEIVED: 4:00 PM

SAMPLED BY: MI
MAX KORNDORFER/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 Matrix</u>
	SAMPLE ID: MW-5S						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	12/13/2022	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: 120822-10

PROJECT NO: 2020704005.01

GTA SAMPLE NO: 6

LOCATION: RICHMOND TWP PIPELINE

DATE SAMPLED: 12/8/2022

TIME SAMPLED: 2:00 PM

DATE RECEIVED: 12/8/2022

TIME RECEIVED: 4:00 PM

MI

SAMPLED BY: MAX KORNDORFER/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-7

CHLORIDE EPA 300.0

Concentration

17

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

12/13/2022

Sample Matrix

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: 120822-10

PROJECT NO: 2020704005.01

GTA SAMPLE NO: 7

LOCATION: RICHMOND TWP PIPELINE

DATE SAMPLED: 12/8/2022

TIME SAMPLED: 2:30 PM

DATE RECEIVED: 12/8/2022

TIME RECEIVED: 4:00 PM

MI

SAMPLED BY: MAX KORNDORFER/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-6

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

12/13/2022

Sample Matrix

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

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FAX: 231-929-0894

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CHAIN OF CUSTODY

PROJECT NUMBER 2070704005.01	SITE NAME/ADDRESS Richmond Twp Pipeline	COMPANY/NAME Miller Energy Co. II, LLC
SAMPLED BY M. Kordas for	COMPANY GCTS	GTA PROJECT # 120822-10

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	Z3141 OS-10	12-8-22	11:20	water	BTEX+4, Cl-
3	Z3061 OS-10		11:46	water	
3	MW-4		12:16	GW	
4	MW-50		1:05	GW	
5	MW-55		1:15	GW	
6	MW-7		2:00	GW	
7	MW-6		2:30	GW	

BILL TO:

GCTS

TempRec: ☐

5.6°C

On Ice? ☒

☒ Y ☐ N

REPORT TO:

Eric Vincke

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

[Signature]

12-8-22 4:00 p

[Signature]

12/8/22 4p

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