

**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: 121321-6

Site Addr: RICHMOND TWP. PIPELINE

Sampled By: MARK STOVER/GCES

Date Rec: 12/13/2021

Time Rec: 2:55 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-4	12/13/2021		WATER
2	MW-5S	12/13/2021		WATER
3	MW-5D	12/13/2021		WATER
4	MW-6	12/13/2021		WATER
5	MW-7	12/13/2021		WATER
6	23141 US 10	12/13/2021		WATER
7	23061 US 10	12/13/2021		WATER
8	4967 230TH AVE.	12/13/2021		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
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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: 121321-6
GTA SAMPLE NO: 1
DATE SAMPLED: 12/13/2021
TIME SAMPLED:
DATE RECEIVED: 12/13/2021
TIME RECEIVED: 2:55 PM
SAMPLED BY: MARK STOVER/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/17/2021	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-5S

GTA PROJECT NO: 121321-6
GTA SAMPLE NO: 2
DATE SAMPLED: 12/13/2021
TIME SAMPLED:
DATE RECEIVED: 12/13/2021
TIME RECEIVED: 2:55 PM
SAMPLED BY: MARK STOVER/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>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/17/2021	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
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-5D

GTA PROJECT NO: 121321-6
GTA SAMPLE NO: 3
DATE SAMPLED: 12/13/2021
TIME SAMPLED:
DATE RECEIVED: 12/13/2021
TIME RECEIVED: 2:55 PM
SAMPLED BY: MARK STOVER/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>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/17/2021	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
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-6

GTA PROJECT NO: 121321-6
GTA SAMPLE NO: 4
DATE SAMPLED: 12/13/2021
TIME SAMPLED:
DATE RECEIVED: 12/13/2021
TIME RECEIVED: 2:55 PM
SAMPLED BY: MARK STOVER/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>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/17/2021	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-7

GTA PROJECT NO: 121321-6
GTA SAMPLE NO: 5
DATE SAMPLED: 12/13/2021
TIME SAMPLED:
DATE RECEIVED: 12/13/2021
TIME RECEIVED: 2:55 PM
SAMPLED BY: MARK STOVER/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>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/17/2021	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: 23141 US 10

GTA PROJECT NO: 121321-6
GTA SAMPLE NO: 6
DATE SAMPLED: 12/13/2021
TIME SAMPLED:
DATE RECEIVED: 12/13/2021
TIME RECEIVED: 2:55 PM
SAMPLED BY: MARK STOVER/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>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/17/2021	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: 23061 US 10

GTA PROJECT NO: 121321-6
GTA SAMPLE NO: 7
DATE SAMPLED: 12/13/2021
TIME SAMPLED:
DATE RECEIVED: 12/13/2021
TIME RECEIVED: 2:55 PM
SAMPLED BY: MARK STOVER/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>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/17/2021	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
MI
SAMPLE MATRIX: WATER
SAMPLE ID: 4967 230TH AVE.

GTA PROJECT NO: 121321-6
GTA SAMPLE NO: 8
DATE SAMPLED: 12/13/2021
TIME SAMPLED:
DATE RECEIVED: 12/13/2021
TIME RECEIVED: 2:55 PM
SAMPLED BY: MARK STOVER/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>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/17/2021	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: 121321-6

GTA SAMPLE NO: 1

DATE SAMPLED: 12/13/2021

TIME SAMPLED:

DATE RECEIVED: 12/13/2021

TIME RECEIVED: 2:55 PM

SAMPLED BY: MI
MARK STOVER/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-4						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	12/21/2021	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

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704005.01

LOCATION: RICHMOND TWP. PIPELINE

GTA PROJECT NO: 121321-6

GTA SAMPLE NO: 2

DATE SAMPLED: 12/13/2021

TIME SAMPLED:

DATE RECEIVED: 12/13/2021

TIME RECEIVED: 2:55 PM

SAMPLED BY: MI
MARK STOVER/GCES**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-5S

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

12/21/2021

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: 121321-6

PROJECT NO: 2020704005.01

GTA SAMPLE NO: 3

LOCATION: RICHMOND TWP. PIPELINE

DATE SAMPLED: 12/13/2021

TIME SAMPLED:

DATE RECEIVED: 12/13/2021

TIME RECEIVED: 2:55 PM

MI

SAMPLED BY: MARK STOVER/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		650	20	mg/L (PPM)	TR	12/21/2021	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: 2020704005.01

LOCATION: RICHMOND TWP. PIPELINE

GTA PROJECT NO: 121321-6

GTA SAMPLE NO: 4

DATE SAMPLED: 12/13/2021

TIME SAMPLED:

DATE RECEIVED: 12/13/2021

TIME RECEIVED: 2:55 PM

MI

SAMPLED BY: MARK STOVER/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-6

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

12/21/2021

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: 121321-6

GTA SAMPLE NO: 5

DATE SAMPLED: 12/13/2021

TIME SAMPLED:

DATE RECEIVED: 12/13/2021

TIME RECEIVED: 2:55 PM

SAMPLED BY: MI
MARK STOVER/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-7						
	CHLORIDE EPA 300.0	38	10	mg/L (PPM)	TR	12/21/2021	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: 121321-6

GTA SAMPLE NO: 6

DATE SAMPLED: 12/13/2021

TIME SAMPLED:

DATE RECEIVED: 12/13/2021

TIME RECEIVED: 2:55 PM

SAMPLED BY: MI
MARK STOVER/GCES**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: 23141 US 10

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

12/21/2021

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: 121321-6

PROJECT NO: 2020704005.01

GTA SAMPLE NO: 7

LOCATION: RICHMOND TWP. PIPELINE

DATE SAMPLED: 12/13/2021

TIME SAMPLED:

DATE RECEIVED: 12/13/2021

TIME RECEIVED: 2:55 PM

MI

SAMPLED BY: MARK STOVER/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: 23061 US 10

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

12/21/2021

Sample Matrix

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**INDEPENDENT TESTING LAB**

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704005.01

LOCATION: RICHMOND TWP. PIPELINE

GTA PROJECT NO: 121321-6

GTA SAMPLE NO: 8

DATE SAMPLED: 12/13/2021

TIME SAMPLED:

DATE RECEIVED: 12/13/2021

TIME RECEIVED: 2:55 PM

SAMPLED BY: MI
MARK STOVER/GCES**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: 4967 230TH AVE.

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

12/21/2021

Sample Matrix

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

INDEPENDENT TESTING LAB

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PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

CHAIN OF CUSTODY

PROJECT NUMBER	SITE NAME/ADDRESS	COMPANY/NAME
2020704005.01	RICHMOND TWP. PIPELINE	MILLER ENERGY CO.
SAMPLED BY	COMPANY	GTA PROJECT #
MARK STOVER	G.C.E.S.	12321-6

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-4	12-13-21		GW	BTEX+4, CHLORIDE
2	MW-5S				
3	MW-5d				
4	MW-6				
5	MW-7				
6	23141 US-10				
7	23061 US-10				
8	4967 230TH AVE.				

BILL TO: MILLER ENERGY CO.	TempRec: ☐ 6.1°C	On Ice? ☒ Y ☐ N	REPORT TO: ERIC VINCKE
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RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
<i>[Signature]</i>	12-13-21	<i>[Signature]</i>	12/13/21 2:54p

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