

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

[www.gtanalytical.com](http://www.gtanalytical.com)

Company: MILLER ENERGY COMPANY II, LLC  
Name:  
ClientProj: 2020704014  
GTA ProjNo: 052925-5

Site Addr: MCBAIN A

Sampled By: JFR/GCES

Date Rec: 5/29/2025

Time Rec: 2:00 PM

| Sample No. | Sample ID | Date Sampled | Time Sampled | Sample Matrix |
|------------|-----------|--------------|--------------|---------------|
| 1          | MW-1      | 5/29/2025    | 11:17 AM     | WATER         |
| 2          | MW-2      | 5/29/2025    | 10:42 AM     | WATER         |
| 3          | MW-3      | 5/29/2025    | 11:47 AM     | WATER         |
| 4          | MW-4      | 5/29/2025    | 12:15 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  
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[kirk@gtanalytical.com](mailto:kirk@gtanalytical.com)

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COMPANY: MILLER ENERGY COMPANY II, LLC  
PROJECT NO: 2020704014  
LOCATION: MCBAIN A  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-1

GTA PROJECT NO: 052925-5  
GTA SAMPLE NO: 1  
DATE SAMPLED: 5/29/2025  
TIME SAMPLED: 11:17 AM  
DATE RECEIVED: 5/29/2025  
TIME RECEIVED: 2:00 PM  
SAMPLED BY: JFR/GCES

**EPA 8260B VOLATILE ORGANICS**

| <u>Analysis</u>        | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date<br/>Extracted</u> | <u>Date<br/>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------|--------------------------|--------------------|
| Benzene                | ND                   | 1.0        | ug/L (PPB)   | MR             |                           | 5/30/2025                | 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: 2020704014  
LOCATION: MCBAIN A  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-2

GTA PROJECT NO: 052925-5  
GTA SAMPLE NO: 2  
DATE SAMPLED: 5/29/2025  
TIME SAMPLED: 10:42 AM  
DATE RECEIVED: 5/29/2025  
TIME RECEIVED: 2:00 PM  
SAMPLED BY: JFR/GCES

**EPA 8260B VOLATILE ORGANICS**

| <u>Analysis</u>        | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date<br/>Extracted</u> | <u>Date<br/>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------|--------------------------|--------------------|
| Benzene                | ND                   | 1.0        | ug/L (PPB)   | MR             |                           | 5/30/2025                | 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: 2020704014  
LOCATION: MCBAIN A  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-3

GTA PROJECT NO: 052925-5  
GTA SAMPLE NO: 3  
DATE SAMPLED: 5/29/2025  
TIME SAMPLED: 11:47 AM  
DATE RECEIVED: 5/29/2025  
TIME RECEIVED: 2:00 PM  
SAMPLED BY: JFR/GCES

**EPA 8260B VOLATILE ORGANICS**

| <u>Analysis</u>        | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date<br/>Extracted</u> | <u>Date<br/>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------|--------------------------|--------------------|
| Benzene                | ND                   | 1.0        | ug/L (PPB)   | MR             |                           | 5/30/2025                | 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: 2020704014  
LOCATION: MCBAIN A  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-4

GTA PROJECT NO: 052925-5  
GTA SAMPLE NO: 4  
DATE SAMPLED: 5/29/2025  
TIME SAMPLED: 12:15 PM  
DATE RECEIVED: 5/29/2025  
TIME RECEIVED: 2:00 PM  
SAMPLED BY: JFR/GCES

**EPA 8260B VOLATILE ORGANICS**

| <u>Analysis</u>        | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date<br/>Extracted</u> | <u>Date<br/>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------|--------------------------|--------------------|
| Benzene                | ND                   | 1.0        | ug/L (PPB)   | MR             |                           | 5/30/2025                | EPA 5030B          |
| Toluene                | ND                   | 1.0        |              |                |                           |                          |                    |
| Ethylbenzene           | ND                   | 1.0        |              |                |                           |                          |                    |
| Xylene(Total)          | 17                   | 3.0        |              |                |                           |                          |                    |
| 1,2,4-Trimethylbenzene | 6.3                  | 1.0        |              |                |                           |                          |                    |
| 1,3,5-Trimethylbenzene | 2.3                  | 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: 2020704014

LOCATION: MCBAIN A

GTA PROJECT NO: 052925-5

GTA SAMPLE NO: 1

DATE SAMPLED: 5/29/2025

TIME SAMPLED: 11:17 AM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 2:00 PM

MI

SAMPLED BY: JFR/GCES

**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-1

CHLORIDE EPA 300.0

**Concentration**

64

**LOD**

10

**Units**

mg/L (PPM)

**Analyst**

KC/TR

**Date Completed**

6/2/2025

**Sample Matrix**

WATER

ND = NOT DETECTED, RESULT &lt; LOD

LOD = LIMIT OF DETECTION

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

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PROJECT NO: 2020704014

LOCATION: MCBAIN A

GTA PROJECT NO: 052925-5

GTA SAMPLE NO: 2

DATE SAMPLED: 5/29/2025

TIME SAMPLED: 10:42 AM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 2:00 PM

SAMPLED BY: MI  
JFR/GCES**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-2

CHLORIDE EPA 300.0

**Concentration**

16

**LOD**

10

**Units**

mg/L (PPM)

**Analyst**

KC/TR

**Date Completed**

6/2/2025

**Sample Matrix**

WATER

ND = NOT DETECTED, RESULT &lt; 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: 2020704014

LOCATION: MCBAIN A

GTA PROJECT NO: 052925-5

GTA SAMPLE NO: 3

DATE SAMPLED: 5/29/2025

TIME SAMPLED: 11:47 AM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 2:00 PM

SAMPLED BY: MI  
JFR/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-3    |                 |                      |            |              |                |                       |                      |
| CHLORIDE EPA 300.0 |                 | 13                   | 10         | mg/L (PPM)   | KC/TR          | 6/2/2025              | WATER                |

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704014

LOCATION: MCBAIN A

GTA PROJECT NO: 052925-5

GTA SAMPLE NO: 4

DATE SAMPLED: 5/29/2025

TIME SAMPLED: 12:15 PM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 2:00 PM

SAMPLED BY: MI  
JFR/GCES**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-4

CHLORIDE EPA 300.0

**Concentration**

73

**LOD**

10

**Units**

mg/L (PPM)

**Analyst**

KC/TR

**Date Completed**

6/2/2025

**Sample Matrix**

WATER

ND = NOT DETECTED, RESULT &lt; LOD

LOD = LIMIT OF DETECTION

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

