

**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: 2020704011.01
GTA ProjNo: 052925-9

Site Addr: N. BUCKEYE TANK BATTERY

Sampled By: JOSHUA GERRIE/GCES
Date Rec: 5/29/2025
Time Rec: 4:30 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-12D	5/29/2025	11:30 AM	WATER
2	MW-14D	5/29/2025	11:50 AM	WATER
3	MW-15D	5/29/2025	12:15 PM	WATER
4	MW-11D	5/29/2025	12:45 PM	WATER
5	MW-13D	5/29/2025	1:25 PM	WATER
6	MW-8D	5/29/2025	1:45 PM	WATER
7	MW-10D	5/29/2025	2:10 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: 2020704011.01

LOCATION: N. BUCKEYE TANK BATTERY

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-12D

GTA PROJECT NO: 052925-9

GTA SAMPLE NO: 1

DATE SAMPLED: 5/29/2025

TIME SAMPLED: 11:30 AM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 4:30 PM

SAMPLED BY: JOSHUA GERRIE/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		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: 2020704011.01

LOCATION: N. BUCKEYE TANK BATTERY

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-14D

GTA PROJECT NO: 052925-9

GTA SAMPLE NO: 2

DATE SAMPLED: 5/29/2025

TIME SAMPLED: 11:50 AM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 4:30 PM

SAMPLED BY: JOSHUA GERRIE/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	13	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.

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COMPANY: MILLER ENERGY COMPANY II, LLC
PROJECT NO: 2020704011.01
LOCATION: N. BUCKEYE TANK BATTERY
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-15D

GTA PROJECT NO: 052925-9
GTA SAMPLE NO: 3
DATE SAMPLED: 5/29/2025
TIME SAMPLED: 12:15 PM
DATE RECEIVED: 5/29/2025
TIME RECEIVED: 4:30 PM
SAMPLED BY: JOSHUA GERRIE/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	5.3	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.
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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704011.01

LOCATION: N. BUCKEYE TANK BATTERY

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-11D

GTA PROJECT NO: 052925-9

GTA SAMPLE NO: 4

DATE SAMPLED: 5/29/2025

TIME SAMPLED: 12:45 PM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 4:30 PM

SAMPLED BY: JOSHUA GERRIE/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	19	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.

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LOD = LIMIT OF DETECTION

COMPANY: MILLER ENERGY COMPANY II, LLC
PROJECT NO: 2020704011.01
LOCATION: N. BUCKEYE TANK BATTERY
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-13D
GTA PROJECT NO: 052925-9
GTA SAMPLE NO: 5
DATE SAMPLED: 5/29/2025
TIME SAMPLED: 1:25 PM
DATE RECEIVED: 5/29/2025
TIME RECEIVED: 4:30 PM
SAMPLED BY: JOSHUA GERRIE/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	89	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.
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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704011.01

LOCATION: N. BUCKEYE TANK BATTERY

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-8D

GTA PROJECT NO: 052925-9

GTA SAMPLE NO: 6

DATE SAMPLED: 5/29/2025

TIME SAMPLED: 1:45 PM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 4:30 PM

SAMPLED BY: JOSHUA GERRIE/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	56	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.

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704011.01

LOCATION: N. BUCKEYE TANK BATTERY

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-10D

GTA PROJECT NO: 052925-9

GTA SAMPLE NO: 7

DATE SAMPLED: 5/29/2025

TIME SAMPLED: 2:10 PM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 4:30 PM

SAMPLED BY: JOSHUA GERRIE/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	150	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.

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COMPANY: MILLER ENERGY COMPANY II, LLC
PROJECT NO: 2020704011.01
LOCATION: N. BUCKEYE TANK BATTERY
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 052925-9
GTA SAMPLE NO: 1
DATE SAMPLED: 5/29/2025
TIME SAMPLED: 11:30 AM
DATE RECEIVED: 5/29/2025
TIME RECEIVED: 4:30 PM

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-12D							
CHLORIDE EPA 300.0		18,000	1,000	mg/L (PPM)	KC/TR	6/2/2025	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: 2020704011.01

LOCATION: N. BUCKEYE TANK BATTERY

GTA PROJECT NO: 052925-9

GTA SAMPLE NO: 2

DATE SAMPLED: 5/29/2025

TIME SAMPLED: 11:50 AM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 4:30 PM

MI

SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-14D

CHLORIDE EPA 300.0

Concentration

38,000

LOD

1,000

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

6/2/2025

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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FAX: 231-929-0894

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704011.01

LOCATION: N. BUCKEYE TANK BATTERY

GTA PROJECT NO: 052925-9

GTA SAMPLE NO: 3

DATE SAMPLED: 5/29/2025

TIME SAMPLED: 12:15 PM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 4:30 PM

MI

SAMPLED BY: JOSHUA GERRIE/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-15D						
CHLORIDE EPA 300.0		58,000	2,000	mg/L (PPM)	KC/TR	6/2/2025	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: 2020704011.01

LOCATION: N. BUCKEYE TANK BATTERY

GTA PROJECT NO: 052925-9

GTA SAMPLE NO: 4

DATE SAMPLED: 5/29/2025

TIME SAMPLED: 12:45 PM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 4:30 PM

MI

SAMPLED BY: JOSHUA GERRIE/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-11D							
CHLORIDE EPA 300.0		7,100	1,000	mg/L (PPM)	KC/TR	6/2/2025	WATER

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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: 2020704011.01

LOCATION: N. BUCKEYE TANK BATTERY

GTA PROJECT NO: 052925-9

GTA SAMPLE NO: 5

DATE SAMPLED: 5/29/2025

TIME SAMPLED: 1:25 PM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 4:30 PM

MI

SAMPLED BY: JOSHUA GERRIE/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-13D							
CHLORIDE EPA 300.0		47,000	2,000	mg/L (PPM)	KC/TR	6/2/2025	WATER

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LOD = LIMIT OF DETECTION

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

COMPANY: MILLER ENERGY COMPANY II, LLC

GTA PROJECT NO: 052925-9

PROJECT NO: 2020704011.01

GTA SAMPLE NO: 6

LOCATION: N. BUCKEYE TANK BATTERY

DATE SAMPLED: 5/29/2025

TIME SAMPLED: 1:45 PM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 4:30 PM

MI

SAMPLED BY: JOSHUA GERRIE/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-8D						
	CHLORIDE EPA 300.0	14,000	1,000	mg/L (PPM)	KC/TR	6/2/2025	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: 052925-9

PROJECT NO: 2020704011.01

GTA SAMPLE NO: 7

LOCATION: N. BUCKEYE TANK BATTERY

DATE SAMPLED: 5/29/2025

TIME SAMPLED: 2:10 PM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 4:30 PM

MI

SAMPLED BY: JOSHUA GERRIE/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-10D						
	CHLORIDE EPA 300.0	37,000	1,000	mg/L (PPM)	KC/TR	6/2/2025	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

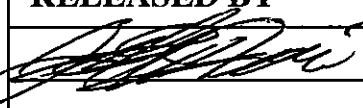
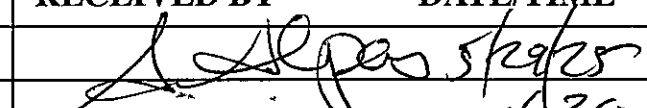
s.u. = STANDARD pH UNITS REPORTED AT 25 C

CHAIN OF CUSTODY

PROJECT NUMBER 2020704011.01	SITE NAME/ADDRESS N. Buckeye Tank Battery	COMPANY/NAME Miller Energy Co.
SAMPLED BY Joshua Genrie	COMPANY Gosling Czubak	GTA PROJECT # 052925-9

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-12d	5-29-25	1130	GW	BTEX+4 + Chloride
2	MW-14d		1150		
3	MW-15d		1215		
4	MW-11d		1245		
5	MW-13d		1325		
6	MW-8d		1345		
7	MW-10d		1410		

BILL TO: GCEs	TempRec: ☐ 1.40C	On Ice? ☒ Y ☐ N	REPORT TO: Eric Vincke
RELEASED BY 	DATE/TIME 5-29-25/1630	RECEIVED BY 	DATE/TIME 5/29/25 1630
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			