

**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
Name:
ClientProj: 2020704013
GTA ProjNo: 061223-5

Site Addr: MARY LOMP

Sampled By: BRENDAN RUPPEN/GCES
Date Rec: 6/12/2023
Time Rec: 3:50 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-5 (22')	6/12/2023	12:20 PM	WATER
2	MW-2	6/12/2023	12:30 PM	WATER
3	MW-4	6/12/2023	12:45 PM	WATER
4	MW-5 (27')	6/12/2023	1:05 PM	WATER
5	MW-7D	6/12/2023	1:30 PM	WATER
6	MW-7S	6/12/2023	1:45 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

**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
PROJECT NO: 2020704013
LOCATION: MARY LOMP
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-5 (22')

GTA PROJECT NO: 061223-5
GTA SAMPLE NO: 1
DATE SAMPLED: 6/12/2023
TIME SAMPLED: 12:20 PM
DATE RECEIVED: 6/12/2023
TIME RECEIVED: 3:50 PM
SAMPLED BY: BRENDAN RUPPEN/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		6/15/2023	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

**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
PROJECT NO: 2020704013
LOCATION: MARY LOMP
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2

GTA PROJECT NO: 061223-5
GTA SAMPLE NO: 2
DATE SAMPLED: 6/12/2023
TIME SAMPLED: 12:30 PM
DATE RECEIVED: 6/12/2023
TIME RECEIVED: 3:50 PM
SAMPLED BY: BRENDAN RUPPEN/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		6/15/2023	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

**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
PROJECT NO: 2020704013
LOCATION: MARY LOMP
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-4

GTA PROJECT NO: 061223-5
GTA SAMPLE NO: 3
DATE SAMPLED: 6/12/2023
TIME SAMPLED: 12:45 PM
DATE RECEIVED: 6/12/2023
TIME RECEIVED: 3:50 PM
SAMPLED BY: BRENDAN RUPPEN/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		6/15/2023	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

**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
PROJECT NO: 2020704013
LOCATION: MARY LOMP
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-5 (27')

GTA PROJECT NO: 061223-5
GTA SAMPLE NO: 4
DATE SAMPLED: 6/12/2023
TIME SAMPLED: 1:05 PM
DATE RECEIVED: 6/12/2023
TIME RECEIVED: 3:50 PM
SAMPLED BY: BRENDAN RUPPEN/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	1.0	1.0	ug/L (PPB)	MR		6/15/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	9.6	3.0					
1,2,4-Trimethylbenzene	11	1.0					
1,3,5-Trimethylbenzene	3.3	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	GTA PROJECT NO:	061223-5
PROJECT NO:	2020704013	GTA SAMPLE NO:	5
LOCATION:	MARY LOMP	DATE SAMPLED:	6/12/2023
		TIME SAMPLED:	1:30 PM
	MI	DATE RECEIVED:	6/12/2023
		TIME RECEIVED:	3:50 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-7D	SAMPLED BY:	BRENDAN RUPPEN/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		6/15/2023	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

**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
PROJECT NO: 2020704013
LOCATION: MARY LOMP
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-7S

GTA PROJECT NO: 061223-5
GTA SAMPLE NO: 6
DATE SAMPLED: 6/12/2023
TIME SAMPLED: 1:45 PM
DATE RECEIVED: 6/12/2023
TIME RECEIVED: 3:50 PM
SAMPLED BY: BRENDAN RUPPEN/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	1.8	1.0	ug/L (PPB)	MR		6/15/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	4.4	3.0					
1,2,4-Trimethylbenzene	51	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

GTA PROJECT NO: 061223-5

PROJECT NO: 2020704013

GTA SAMPLE NO: 1

LOCATION: MARY LOMP

DATE SAMPLED: 6/12/2023

TIME SAMPLED: 12:20 PM

DATE RECEIVED: 6/12/2023

TIME RECEIVED: 3:50 PM

MI

SAMPLED BY: BRENDAN RUPPEN/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-5 (22')						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	6/20/2023	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

www.gtanalytical.com

COMPANY: MILLER ENERGY COMPANY

PROJECT NO: 2020704013
LOCATION: MARY LOMPGTA PROJECT NO: 061223-5
GTA SAMPLE NO: 2DATE SAMPLED: 6/12/2023
TIME SAMPLED: 12:30 PM
DATE RECEIVED: 6/12/2023
TIME RECEIVED: 3:50 PMMI
SAMPLED BY: BRENDAN RUPPEN/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-2							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	KC/TR	6/20/2023	WATER

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: MILLER ENERGY COMPANY

GTA PROJECT NO: 061223-5

PROJECT NO: 2020704013

GTA SAMPLE NO: 3

LOCATION: MARY LOMP

DATE SAMPLED: 6/12/2023

TIME SAMPLED: 12:45 PM

DATE RECEIVED: 6/12/2023

TIME RECEIVED: 3:50 PM

MI

SAMPLED BY: BRENDAN RUPPEN/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	18	10	mg/L (PPM)	KC/TR	6/20/2023	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: MILLER ENERGY COMPANY

GTA PROJECT NO: 061223-5

PROJECT NO: 2020704013

GTA SAMPLE NO: 4

LOCATION: MARY LOMP

DATE SAMPLED: 6/12/2023

TIME SAMPLED: 1:05 PM

DATE RECEIVED: 6/12/2023

TIME RECEIVED: 3:50 PM

MI

SAMPLED BY: BRENDAN RUPPEN/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-5 (27')						
	CHLORIDE EPA 300.0	13	10	mg/L (PPM)	KC/TR	6/20/2023	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: MILLER ENERGY COMPANY

GTA PROJECT NO: 061223-5

PROJECT NO: 2020704013

GTA SAMPLE NO: 5

LOCATION: MARY LOMP

DATE SAMPLED: 6/12/2023

TIME SAMPLED: 1:30 PM

DATE RECEIVED: 6/12/2023

TIME RECEIVED: 3:50 PM

MI

SAMPLED BY: BRENDAN RUPPEN/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-7D						
	CHLORIDE EPA 300.0	120	10	mg/L (PPM)	KC/TR	6/20/2023	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

www.gtanalytical.com

COMPANY: MILLER ENERGY COMPANY

GTA PROJECT NO: 061223-5

PROJECT NO: 2020704013

GTA SAMPLE NO: 6

LOCATION: MARY LOMP

DATE SAMPLED: 6/12/2023

TIME SAMPLED: 1:45 PM

DATE RECEIVED: 6/12/2023

TIME RECEIVED: 3:50 PM

MI

SAMPLED BY: BRENDAN RUPPEN/GCES

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-7S

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

6/20/2023

Sample Matrix

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

www.gtanalytical.com

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
B. M. [Signature]	6/12/23 3:50	[Signature]	6/12/23 3:50