Grand Traverse Analytical, LLC

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	Site Addr:	SAM JOHNSON #1
Name:			
ClientProj:	2020704023.01		
		Sampled By:	MAX KORNDORFER/GCES
GTA ProjNo:	090921-9	Date Rec:	9/9/2021
		Time Rec:	3:55 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	HA-1 (1')	9/9/2021	11:35 AM	SOIL
2	HA-2 (2')	9/9/2021	12:00 PM	SOIL
3	HA-3 (1')	9/9/2021	12:35 PM	SOIL
4	HA-4 (1')	9/9/2021	12:55 PM	SOIL
5	HA-5 (1')	9/9/2021	1:30 PM	SOIL
6	MW-1	9/9/2021	2:00 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	GTA PROJECT NO:	090921-9
		GTA SAMPLE NO:	1
PROJECT NO:	2020704023.01		
LOCATION:	SAM JOHNSON #1	DATE SAMPLED:	9/9/2021
		TIME SAMPLED:	11:35 AM
		DATE RECEIVED:	9/9/2021
	MI	TIME RECEIVED:	3:55 PM
SAMPLE MATRIX:	SOIL		
SAMPLE ID:	HA-1 (1')	SAMPLED BY:	MAX KORNDORFER/GCES

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

Analysis	Concentration	LOD	Units	Analyst	Date Extracted	Date Complete	Prep Method
Benzene	ND	50	ug/Kg (PPB)	MR	9/9/2021	9/13/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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	GTA PROJECT NO:	090921-9
		GTA SAMPLE NO:	2
PROJECT NO:	2020704023.01		
LOCATION:	SAM JOHNSON #1	DATE SAMPLED:	9/9/2021
		TIME SAMPLED:	12:00 PM
		DATE RECEIVED:	9/9/2021
	MI	TIME RECEIVED:	3:55 PM
SAMPLE MATRIX:	SOIL		
SAMPLE ID:	HA-2 (2')	SAMPLED BY:	MAX KORNDORFER/GCES

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

Analysis	Concentration	LOD	Units	Analyst	Date Extracted	Date Complete	Prep Method
Benzene	ND	50	ug/Kg (PPB)	MR	9/9/2021	9/13/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	4,800	50					
Xylene(Total)	4,900	150					
1,2,4-Trimethylbenzene	15,000	480					
1,3,5-Trimethylbenzene	3,300	50					
Naphthalene	760	250					
2-Methylnaphthalene	2,400	250					

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COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	090921-9
		GTA SAMPLE NO:	3
PROJECT NO:	2020704023.01		
LOCATION:	SAM JOHNSON #1	DATE SAMPLED:	9/9/2021
		TIME SAMPLED:	12:35 PM
		DATE RECEIVED:	9/9/2021
	MI	TIME RECEIVED:	3:55 PM
SAMPLE MATRIX:	SOIL		
SAMPLE ID:	HA-3 (1')	SAMPLED BY:	MAX KORNDORFER/GCES

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

Analysis	Concentration	LOD	Units	Analyst	Date Extracted	Date Complete	Prep Method
Benzene	ND	50	ug/Kg (PPB)	MR	9/9/2021	9/13/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	090921-9
		GTA SAMPLE NO:	4
PROJECT NO:	2020704023.01		
LOCATION:	SAM JOHNSON #1	DATE SAMPLED:	9/9/2021
		TIME SAMPLED:	12:55 PM
		DATE RECEIVED:	9/9/2021
	MI	TIME RECEIVED:	3:55 PM
SAMPLE MATRIX:	SOIL		
SAMPLE ID:	HA-4 (1')	SAMPLED BY:	MAX KORNDORFER/GCES

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

Analysis	Concentration	LOD	Units	Analyst	Date Extracted	Date Complete	Prep Method
Benzene	ND	50	ug/Kg (PPB)	MR	9/9/2021	9/13/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	090921-9
		GTA SAMPLE NO:	5
PROJECT NO:	2020704023.01		
LOCATION:	SAM JOHNSON #1	DATE SAMPLED:	9/9/2021
		TIME SAMPLED:	1:30 PM
		DATE RECEIVED:	9/9/2021
	MI	TIME RECEIVED:	3:55 PM
SAMPLE MATRIX:	SOIL		
SAMPLE ID:	HA-5 (1')	SAMPLED BY:	MAX KORNDORFER/GCES

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

Analysis	Concentration	LOD	Units	Analyst	Date Extracted	Date Complete	Prep Method
Benzene	ND	50	ug/Kg (PPB)	MR	9/9/2021	9/13/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	090921-9
		GTA SAMPLE NO:	6
PROJECT NO:	2020704023.01		
LOCATION:	SAM JOHNSON #1	DATE SAMPLED:	9/9/2021
		TIME SAMPLED:	2:00 PM
		DATE RECEIVED:	9/9/2021
	MI	TIME RECEIVED:	3:55 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-1	SAMPLED BY:	MAX KORNDORFER/GCES

EPA 8260B VOLATILE ORGANICS

Analysis	Concentration	LOD	Units	Analyst	Date Extracted	Date Complete	Prep Method
Benzene	8.9	1.0	ug/L (PPB)	MR		9/13/2021	EPA 5030B
Toluene	2.1	1.0					
Ethylbenzene	18	1.0					
Xylene(Total)	25	3.0					
1,2,4-Trimethylbenzene	30	1.0					
1,3,5-Trimethylbenzene	5.9	1.0					
Naphthalene	5.7	5.0					
2-Methylnaphthalene	9.6	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	090921-9
		GTA SAMPLE NO:	6
PROJECT NO:	2020704023.01		
LOCATION:	SAM JOHNSON #1	DATE SAMPLED:	9/9/2021
		TIME SAMPLED:	2:00 PM
		DATE RECEIVED:	9/9/2021
		TIME RECEIVED:	3:55 PM
	MI		
SAMPLED BY:	MAX KORNDORFER/GCES		

SAMPLE ANALYSIS

No: Analysis	Concentration	LOD	Units	Analyst	Date Completed	Sample
SAMPLE ID: **MW-1**						
CHLORIDE EPA 300.0	42	10	mg/L (PPM)	LV	9/9/2021	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	GTA PROJECT NO:	090921-
		SAMPLED BY:	MAX KORNDORFER/GCES
NAME:			
PROJECT NO:	2020704023.01		
		DATE SAMPLED:	9/9/2021
		TIME SAMPLED:	11:35 AM
		SAMPLE MATRIX:	SOIL
LOCATION:	SAM JOHNSON #1		
		DATE RECEIVED:	9/9/2021
		TIME RECEIVED:	3:55 PM
	MI		

MOISTURE

No: Analysis	Concentration	LOD	Units	Analyst	Date Completed
SAMPLE ID: HA-1 (1')					
% MOISTURE EPA 3550C	12	0.050	% OF SAMPLE	AS	9/9/2021
SAMPLE ID: HA-2 (2')					
% MOISTURE EPA 3550C	12	0.050	% OF SAMPLE	AS	9/9/2021
SAMPLE ID: HA-3 (1')					
% MOISTURE EPA 3550C	10	0.050	% OF SAMPLE	AS	9/9/2021
SAMPLE ID: HA-4 (1')					
% MOISTURE EPA 3550C	14	0.050	% OF SAMPLE	AS	9/9/2021
SAMPLE ID: HA-5 (1')					
% MOISTURE EPA 3550C	7.3	0.050	% OF SAMPLE	AS	9/9/2021

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CHAIN OF CUSTODY

PROJECT NUMBER	SITE NAME/ADDRESS	COMPANY/NAME
20207040 23.01	Sam Johnson #1	Miller Energy Co.
SAMPLED BY	**COMPANY**	**GTA PROJECT #**
M. Koerdorfer	GCES	210921-9

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	HA-1 (1')	9-9-21	11:35a	Soil	BTEX + 4
2	HA-2 (2')	9-9-21	12:00p	Soil	BTEX + 4
3	HA-3 (1')	9-9-21	12:35p	Soil	BTEX + 4
4	HA-4 (1')	9-9-21	12:55p	Soil	BTEX + 4
5	HA-5 (1')	9-9-21	1:30p	Soil	BTEX + 4
6	MW-1	9-9-21	2:00p	Water	BTEX + 4, Chloride

BILL TO: GCES

REPORT TO: Eric Vincke

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
	9-9-21 3:55p		9/9/21 3:55 rec 1.0°C on ice

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