

**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: 2021704010.01

GTA ProjNo: 073021-11

Site Addr: FRANK NEITZKE SPILL SITE

Sampled By: PETER KALLIOINEN/GCES

Date Rec: 7/30/2021

Time Rec: 1:15 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	GS-S-1B (2')	7/29/2021	11:26 AM	SOIL
2	GS-S-1C (2.5')	7/29/2021	11:46 AM	SOIL
3	GS-S-2 (2')	7/29/2021	11:57 AM	SOIL
4	GS-S-3 (5')	7/29/2021	12:16 PM	SOIL
5	GS-S-5 (5')	7/29/2021	12:30 PM	SOIL
6	SB-N-1 (2.5')	7/29/2021	2:28 PM	SOIL
7	SB-N-1 (5')	7/29/2021	2:51 PM	SOIL
8	GS-N-1 (2.5')	7/29/2021	3:02 PM	SOIL
9	GS-N-2 (2')	7/29/2021	3:09 PM	SOIL
10	GS-N-3 (2')	7/29/2021	3:15 PM	SOIL
11	GS-N-4 (5')	7/29/2021	3:26 PM	SOIL
12	GS-N-5 (5')	7/29/2021	4:07 PM	SOIL
13	GS-N-6 (0.5')	7/29/2021	4:07 PM	SOIL

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
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kirk@gtanalytical.com

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2021704010.01

LOCATION: FRANK NEITZKE SPILL SITE

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: GS-S-1B (2')

GTA PROJECT NO: 073021-11

GTA SAMPLE NO: 1

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 11:26 AM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

SAMPLED BY: PETER KALLIOINEN/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>Complete</u>	<u>Prep Method</u>
Benzene	9,100	520	ug/Kg (PPB)	MR	7/29/2021	8/3/2021	EPA 5035A
Toluene	18,000	520					
Ethylbenzene	3,300	50					
Xylene(Total)	17,000	1,600					
1,2,4-Trimethylbenzene	4,900	50					
1,3,5-Trimethylbenzene	1,400	50					
Naphthalene	2,300	250					
2-Methylnaphthalene	2,400	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

PROJECT NO: 2021704010.01

LOCATION: FRANK NEITZKE SPILL SITE

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: GS-S-1C (2.5')

GTA PROJECT NO: 073021-11

GTA SAMPLE NO: 2

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 11:46 AM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

SAMPLED BY: PETER KALLIOINEN/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>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB) MR		7/29/2021	8/3/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	50					
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

PROJECT NO: 2021704010.01

LOCATION: FRANK NEITZKE SPILL SITE

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: GS-S-2 (2')

GTA PROJECT NO: 073021-11

GTA SAMPLE NO: 3

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 11:57 AM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

SAMPLED BY: PETER KALLIOINEN/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>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB) MR		7/29/2021	8/3/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	50					
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

PROJECT NO: 2021704010.01

LOCATION: FRANK NEITZKE SPILL SITE

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: GS-S-3 (5')

GTA PROJECT NO: 073021-11

GTA SAMPLE NO: 4

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 12:16 PM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

SAMPLED BY: PETER KALLIOINEN/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>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB) MR		7/29/2021	8/3/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	50					
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

COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	073021-11
PROJECT NO:	2021704010.01	GTA SAMPLE NO:	5
LOCATION:	FRANK NEITZKE SPILL SITE	DATE SAMPLED:	7/29/2021
		TIME SAMPLED:	12:30 PM
		DATE RECEIVED:	7/30/2021
	MI	TIME RECEIVED:	1:15 PM
SAMPLE MATRIX:	SOIL		
SAMPLE ID:	GS-S-5 (5')	SAMPLED BY:	PETER KALLIOINEN/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>Complete</u>	<u>Prep Method</u>
Benzene	990	50	ug/Kg (PPB)	MR	7/29/2021	8/3/2021	EPA 5035A
Toluene	2,300	50					
Ethylbenzene	500	50					
Xylene(Total)	2,300	50					
1,2,4-Trimethylbenzene	770	50					
1,3,5-Trimethylbenzene	230	50					
Naphthalene	310	250					
2-Methylnaphthalene	470	250					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	073021-11
PROJECT NO:	2021704010.01	GTA SAMPLE NO:	6
LOCATION:	FRANK NEITZKE SPILL SITE	DATE SAMPLED:	7/29/2021
		TIME SAMPLED:	2:28 PM
		DATE RECEIVED:	7/30/2021
	MI	TIME RECEIVED:	1:15 PM
SAMPLE MATRIX:	SOIL		
SAMPLE ID:	SB-N-1 (2.5')	SAMPLED BY:	PETER KALLIOINEN/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>Complete</u>	<u>Prep Method</u>
Benzene	260	50	ug/Kg (PPB)	MR	7/29/2021	8/3/2021	EPA 5035A
Toluene	290	50					
Ethylbenzene	ND	50					
Xylene(Total)	210	50					
1,2,4-Trimethylbenzene	62	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

COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	073021-11
PROJECT NO:	2021704010.01	GTA SAMPLE NO:	7
LOCATION:	FRANK NEITZKE SPILL SITE	DATE SAMPLED:	7/29/2021
		TIME SAMPLED:	2:51 PM
		DATE RECEIVED:	7/30/2021
	MI	TIME RECEIVED:	1:15 PM
SAMPLE MATRIX:	SOIL		
SAMPLE ID:	SB-N-1 (5')	SAMPLED BY:	PETER KALLIOINEN/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>Complete</u>	<u>Prep Method</u>
Benzene	480	50	ug/Kg (PPB)	MR	7/29/2021	8/3/2021	EPA 5035A
Toluene	170	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	50					
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

PROJECT NO: 2021704010.01

LOCATION: FRANK NEITZKE SPILL SITE

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: GS-N-1 (2.5')

GTA PROJECT NO: 073021-11

GTA SAMPLE NO: 8

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 3:02 PM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

SAMPLED BY: PETER KALLIOINEN/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>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB) MR		7/29/2021	8/4/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	50					
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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LOD = LIMIT OF DETECTION

COMPANY: MILLER ENERGY COMPANY II, LLC

GTA PROJECT NO: 073021-11

PROJECT NO: 2021704010.01

GTA SAMPLE NO: 9

LOCATION: FRANK NEITZKE SPILL SITE

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 3:09 PM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: GS-N-2 (2')

SAMPLED BY: PETER KALLIOINEN/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>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	7/29/2021	8/4/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	1,300	50					
1,2,4-Trimethylbenzene	2,100	50					
1,3,5-Trimethylbenzene	740	50					
Naphthalene	ND	250					
2-Methylnaphthalene	1,400	250					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

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LOD = LIMIT OF DETECTION

COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	073021-11
PROJECT NO:	2021704010.01	GTA SAMPLE NO:	10
LOCATION:	FRANK NEITZKE SPILL SITE	DATE SAMPLED:	7/29/2021
		TIME SAMPLED:	3:15 PM
		DATE RECEIVED:	7/30/2021
	MI	TIME RECEIVED:	1:15 PM
SAMPLE MATRIX:	SOIL		
SAMPLE ID:	GS-N-3 (2')	SAMPLED BY:	PETER KALLIOINEN/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>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	7/29/2021	8/3/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	50					
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

COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	073021-11
PROJECT NO:	2021704010.01	GTA SAMPLE NO:	11
LOCATION:	FRANK NEITZKE SPILL SITE	DATE SAMPLED:	7/29/2021
		TIME SAMPLED:	3:26 PM
		DATE RECEIVED:	7/30/2021
	MI	TIME RECEIVED:	1:15 PM
SAMPLE MATRIX:	SOIL		
SAMPLE ID:	GS-N-4 (5')	SAMPLED BY:	PETER KALLIOINEN/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>Complete</u>	<u>Prep Method</u>
Benzene	86	50	ug/Kg (PPB)	MR	7/29/2021	8/3/2021	EPA 5035A
Toluene	320	50					
Ethylbenzene	89	50					
Xylene(Total)	430	50					
1,2,4-Trimethylbenzene	171	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

COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	073021-11
PROJECT NO:	2021704010.01	GTA SAMPLE NO:	12
LOCATION:	FRANK NEITZKE SPILL SITE	DATE SAMPLED:	7/29/2021
		TIME SAMPLED:	4:07 PM
		DATE RECEIVED:	7/30/2021
	MI	TIME RECEIVED:	1:15 PM
SAMPLE MATRIX:	SOIL		
SAMPLE ID:	GS-N-5 (5')	SAMPLED BY:	PETER KALLIOINEN/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>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	7/29/2021	8/3/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	50					
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

COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	073021-11
PROJECT NO:	2021704010.01	GTA SAMPLE NO:	13
LOCATION:	FRANK NEITZKE SPILL SITE	DATE SAMPLED:	7/29/2021
		TIME SAMPLED:	4:07 PM
		DATE RECEIVED:	7/30/2021
	MI	TIME RECEIVED:	1:15 PM
SAMPLE MATRIX:	SOIL		
SAMPLE ID:	GS-N-6 (0.5')	SAMPLED BY:	PETER KALLIOINEN/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>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	7/29/2021	8/3/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	50					
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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LOD = LIMIT OF DETECTION

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2021704010.01

LOCATION: FRANK NEITZKE SPILL SITE

GTA PROJECT NO: 073021-11

GTA SAMPLE NO: 1

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 11:26 AM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

SAMPLED BY: MI
PETER KALLIOINEN/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</u>
	SAMPLE ID: GS-S-1B (2')						
	CHLORIDE EPA 300.0	6,800	100	mg/Kg (PPM)	LV/AS	7/31/2021	SOIL

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: 073021-11

PROJECT NO: 2021704010.01

GTA SAMPLE NO: 2

LOCATION: FRANK NEITZKE SPILL SITE

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 11:46 AM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

MI

SAMPLED BY: PETER KALLIOINEN/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</u>
	SAMPLE ID: GS-S-1C (2.5')						
	CHLORIDE EPA 300.0	7,100	100	mg/Kg (PPM)	LV/AS	7/31/2021	SOIL

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: 073021-11

PROJECT NO: 2021704010.01

GTA SAMPLE NO: 3

LOCATION: FRANK NEITZKE SPILL SITE

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 11:57 AM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

MI

SAMPLED BY: PETER KALLIOINEN/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</u>
	SAMPLE ID: GS-S-2 (2')						
	CHLORIDE EPA 300.0	ND	96	mg/Kg (PPM)	LV/AS	7/31/2021	SOIL

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: 073021-11

PROJECT NO: 2021704010.01

GTA SAMPLE NO: 4

LOCATION: FRANK NEITZKE SPILL SITE

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 12:16 PM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

MI

SAMPLED BY: PETER KALLIOINEN/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</u>
	SAMPLE ID: GS-S-3 (5')						
	CHLORIDE EPA 300.0	ND	100	mg/Kg (PPM)	LV/AS	7/31/2021	SOIL

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: 073021-11

PROJECT NO: 2021704010.01

GTA SAMPLE NO: 5

LOCATION: FRANK NEITZKE SPILL SITE

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 12:30 PM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

MI

SAMPLED BY: PETER KALLIOINEN/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</u>
	SAMPLE ID: GS-S-5 (5')						
	CHLORIDE EPA 300.0	150	110	mg/Kg (PPM)	LV/AS	7/31/2021	SOIL

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: 073021-11

PROJECT NO: 2021704010.01

GTA SAMPLE NO: 6

LOCATION: FRANK NEITZKE SPILL SITE

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 2:28 PM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

MI

SAMPLED BY: PETER KALLIOINEN/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</u>
	SAMPLE ID: SB-N-1 (2.5')						
	CHLORIDE EPA 300.0	31,000	100	mg/Kg (PPM)	LV/AS	7/31/2021	SOIL

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: 073021-11

PROJECT NO: 2021704010.01

GTA SAMPLE NO: 7

LOCATION: FRANK NEITZKE SPILL SITE

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 2:51 PM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

MI

SAMPLED BY: PETER KALLIOINEN/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</u>
	SAMPLE ID: SB-N-1 (5')						
	CHLORIDE EPA 300.0	32,000	120	mg/Kg (PPM)	LV/AS	7/31/2021	SOIL

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: 073021-11

PROJECT NO: 2021704010.01

GTA SAMPLE NO: 8

LOCATION: FRANK NEITZKE SPILL SITE

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 3:02 PM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

MI

SAMPLED BY: PETER KALLIOINEN/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</u>
	SAMPLE ID: GS-N-1 (2.5')						
	CHLORIDE EPA 300.0	71,000	1,000	mg/Kg (PPM)	LV/AS	7/31/2021	SOIL

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: 073021-11

PROJECT NO: 2021704010.01

GTA SAMPLE NO: 9

LOCATION: FRANK NEITZKE SPILL SITE

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 3:09 PM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

MI

SAMPLED BY: PETER KALLIOINEN/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</u>
	SAMPLE ID: GS-N-2 (2')						
	CHLORIDE EPA 300.0	5,000	110	mg/Kg (PPM)	LV/AS	7/31/2021	SOIL

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: 073021-11

PROJECT NO: 2021704010.01

GTA SAMPLE NO: 10

LOCATION: FRANK NEITZKE SPILL SITE

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 3:15 PM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

MI

SAMPLED BY: PETER KALLIOINEN/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</u>
	SAMPLE ID: GS-N-3 (2')						
	CHLORIDE EPA 300.0	5,600	110	mg/Kg (PPM)	LV/AS	7/31/2021	SOIL

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: 073021-11

PROJECT NO: 2021704010.01

GTA SAMPLE NO: 11

LOCATION: FRANK NEITZKE SPILL SITE

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 3:26 PM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

MI

SAMPLED BY: PETER KALLIOINEN/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</u>
	SAMPLE ID: GS-N-4 (5')						
	CHLORIDE EPA 300.0	6,400	100	mg/Kg (PPM)	LV/AS	7/31/2021	SOIL

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: 073021-11

PROJECT NO: 2021704010.01

GTA SAMPLE NO: 12

LOCATION: FRANK NEITZKE SPILL SITE

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 4:07 PM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

MI

SAMPLED BY: PETER KALLIOINEN/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</u>
	SAMPLE ID: GS-N-5 (5')						
	CHLORIDE EPA 300.0	20,000	110	mg/Kg (PPM)	LV/AS	7/31/2021	SOIL

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: 073021-11

PROJECT NO: 2021704010.01

GTA SAMPLE NO: 13

LOCATION: FRANK NEITZKE SPILL SITE

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 4:07 PM

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 1:15 PM

MI

SAMPLED BY: PETER KALLIOINEN/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</u>
	SAMPLE ID: GS-N-6 (0.5')						
	CHLORIDE EPA 300.0	1,200	110	mg/Kg (PPM)	LV/AS	7/31/2021	SOIL

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: LAYLINE ENERGY

GTA PROJECT NO: 073021-

NAME:

SAMPLED BY: MATT M/LAYLINE

PROJECT NO:

DATE SAMPLED: 7/29/2021

TIME SAMPLED: 1:00 PM

LOCATION: WINTERFIELD

SAMPLE MATRIX: SOIL

DATE RECEIVED: 7/30/2021

TIME RECEIVED: 10:48 AM

MI

MOISTURE

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
SAMPLE ID: 1	% MOISTURE EPA 3550C	8.3	0.050	% OF SAMPLE	AS	7/30/2021
SAMPLE ID: 2	% MOISTURE EPA 3550C	5.7	0.050	% OF SAMPLE	AS	7/30/2021
SAMPLE ID: 3	% MOISTURE EPA 3550C	6.4	0.050	% OF SAMPLE	AS	7/30/2021
SAMPLE ID: 4	% MOISTURE EPA 3550C	6.2	0.050	% OF SAMPLE	AS	7/30/2021
SAMPLE ID: 5	% MOISTURE EPA 3550C	6.8	0.050	% OF SAMPLE	AS	7/30/2021
SAMPLE ID: 6	% MOISTURE EPA 3550C	5.6	0.050	% OF SAMPLE	AS	7/30/2021
SAMPLE ID: 7	% MOISTURE EPA 3550C	6.1	0.050	% OF SAMPLE	AS	7/30/2021
SAMPLE ID: 8	% MOISTURE EPA 3550C	5.5	0.050	% OF SAMPLE	AS	7/30/2021
SAMPLE ID: 9	% MOISTURE EPA 3550C	7.2	0.050	% OF SAMPLE	AS	7/30/2021
SAMPLE ID: 10	% MOISTURE EPA 3550C	6.5	0.050	% OF SAMPLE	AS	7/30/2021
SAMPLE ID: 11	% MOISTURE EPA 3550C	7.5	0.050	% OF SAMPLE	AS	7/30/2021
SAMPLE ID: 12	% MOISTURE EPA 3550C	5.9	0.050	% OF SAMPLE	AS	7/30/2021
SAMPLE ID: 13	% MOISTURE EPA 3550C	7.6	0.050	% OF SAMPLE	AS	7/30/2021

CHAIN OF CUSTODY

PROJECT NUMBER 2021 704 010.01	SITE NAME/ADDRESS Frank Neitzke spill site	COMPANY/NAME Miller Energy
SAMPLED BY Peter Kallioinen	COMPANY Gosling Czubak Eng.	GTA PROJECT # 073021-11

SAMPLE INFORMATION

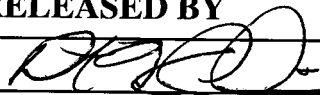
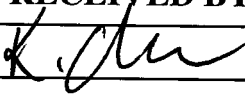
#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	GS-S-16(2')	7-29-21	11:26	Soil	BTEX+4 Chloride
2	GS-S-1C(2.5')		11:46		
3	GS-S-2(2')		11:57		
4	GS-S-3(5')		12:16		
5	GS-S-5(5')		12:30		
6	GS-SB-N-1(2.5')		2:28		
7	SB-N-1(5')		2:38		
8	GS-N-1(2.5')		2:51		
9	GS-N-2(2')		3:02		
10	GS-N-3(2')		3:09		
11	GS-N-4(5')		3:15		
12	GS-N-5(5')		3:26		
13	GS-N-6(0.5')		4:07		

BILL TO: Gosling Czubak Engineering
ATTN: Eric Vincke

10 GTA Kits Used

REPORT TO: Same

for -6°C on ice

RELEASED BY 	DATE/TIME 7-30-21 1:15	RECEIVED BY 	DATE/TIME 7/30/21 1:15p

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