

**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:

Site Addr: RICHMOND TOWNSHIP PIPELINE RELEASE
BOYER PROPERTY

GTA ProjNo: 052820-7

Sampled By: JONATHAN PARKER/SS
Date Rec: 5/28/2020
Time Rec: 12:32 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	4967 230TH AVE.	5/27/2020	4:37 PM	WATER
2	23061 US 10	5/27/2020	4:45 PM	WATER
3	23141 US 10	5/27/2020	5:05 PM	WATER
4	MW-4	5/27/2020	3:14 PM	WATER
5	MW-5D	5/27/2020	4:20 PM	WATER
6	MW-6	5/27/2020	2:39 PM	WATER
7	MW-7	5/27/2020	3:46 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
PROJECT NO:
LOCATION: RICHMOND TOWNSHIP PIPELINE RELEASE
BOYER PROPERTY
MI
SAMPLE MATRIX: WATER
SAMPLE ID: 4967 230TH AVE.

GTA PROJECT NO: 052820-7
GTA SAMPLE NO: 1
DATE SAMPLED: 5/27/2020
TIME SAMPLED: 4:37 PM
DATE RECEIVED: 5/28/2020
TIME RECEIVED: 12:32 PM
SAMPLED BY: JONATHAN PARKER/SS

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	1.0	ug/L (PPB)	MR		5/29/2020	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
PROJECT NO:
LOCATION: RICHMOND TOWNSHIP PIPELINE RELEASE
BOYER PROPERTY
MI
SAMPLE MATRIX: WATER
SAMPLE ID: 23061 US 10

GTA PROJECT NO: 052820-7
GTA SAMPLE NO: 2
DATE SAMPLED: 5/27/2020
TIME SAMPLED: 4:45 PM
DATE RECEIVED: 5/28/2020
TIME RECEIVED: 12:32 PM
SAMPLED BY: JONATHAN PARKER/SS

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	1.0	ug/L (PPB)	MR		5/29/2020	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
PROJECT NO:
LOCATION: RICHMOND TOWNSHIP PIPELINE RELEASE
BOYER PROPERTY
MI
SAMPLE MATRIX: WATER
SAMPLE ID: 23141 US 10

GTA PROJECT NO: 052820-7
GTA SAMPLE NO: 3
DATE SAMPLED: 5/27/2020
TIME SAMPLED: 5:05 PM
DATE RECEIVED: 5/28/2020
TIME RECEIVED: 12:32 PM
SAMPLED BY: JONATHAN PARKER/SS

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		5/29/2020	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
PROJECT NO:
LOCATION: RICHMOND TOWNSHIP PIPELINE RELEASE
BOYER PROPERTY
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-4

GTA PROJECT NO: 052820-7
GTA SAMPLE NO: 4
DATE SAMPLED: 5/27/2020
TIME SAMPLED: 3:14 PM
DATE RECEIVED: 5/28/2020
TIME RECEIVED: 12:32 PM
SAMPLED BY: JONATHAN PARKER/SS

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		5/29/2020	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
PROJECT NO:
LOCATION: RICHMOND TOWNSHIP PIPELINE RELEASE
BOYER PROPERTY
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-5D

GTA PROJECT NO: 052820-7
GTA SAMPLE NO: 5
DATE SAMPLED: 5/27/2020
TIME SAMPLED: 4:20 PM
DATE RECEIVED: 5/28/2020
TIME RECEIVED: 12:32 PM
SAMPLED BY: JONATHAN PARKER/SS

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		5/29/2020	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
PROJECT NO:
LOCATION: RICHMOND TOWNSHIP PIPELINE RELEASE
BOYER PROPERTY
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-6

GTA PROJECT NO: 052820-7
GTA SAMPLE NO: 6
DATE SAMPLED: 5/27/2020
TIME SAMPLED: 2:39 PM
DATE RECEIVED: 5/28/2020
TIME RECEIVED: 12:32 PM
SAMPLED BY: JONATHAN PARKER/SS

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		5/29/2020	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
PROJECT NO:
LOCATION: RICHMOND TOWNSHIP PIPELINE RELEASE
BOYER PROPERTY
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-7

GTA PROJECT NO: 052820-7
GTA SAMPLE NO: 7
DATE SAMPLED: 5/27/2020
TIME SAMPLED: 3:46 PM
DATE RECEIVED: 5/28/2020
TIME RECEIVED: 12:32 PM
SAMPLED BY: JONATHAN PARKER/SS

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		5/30/2020	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
PROJECT NO: GTA PROJECT NO: 052820-7
LOCATION: RICHMOND TOWNSHIP PIPELINE RELEASE
BOYER PROPERTY
MI
SAMPLED BY: JONATHAN PARKER/SS
DATE SAMPLED: 5/27/2020
TIME SAMPLED: 4:37 PM
DATE RECEIVED: 5/28/2020
TIME RECEIVED: 12:32 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: 4967 230TH AVE.							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	LV	6/1/2020	WATER

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

COMPANY: MILLER ENERGY COMPANY
PROJECT NO: GTA PROJECT NO: 052820-7
LOCATION: RICHMOND TOWNSHIP PIPELINE RELEASE
BOYER PROPERTY
MI
SAMPLED BY: JONATHAN PARKER/SS
GTA SAMPLE NO: 2
DATE SAMPLED: 5/27/2020
TIME SAMPLED: 4:45 PM
DATE RECEIVED: 5/28/2020
TIME RECEIVED: 12:32 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: 23061	US 10	ND	10	mg/L (PPM)	LV	6/1/2020	WATER
CHLORIDE	EPA 300.0						

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

COMPANY: MILLER ENERGY COMPANY
PROJECT NO: GTA PROJECT NO: 052820-7
LOCATION: RICHMOND TOWNSHIP PIPELINE RELEASE
BOYER PROPERTY
MI
SAMPLED BY: JONATHAN PARKER/SS
GTA SAMPLE NO: 3
DATE SAMPLED: 5/27/2020
TIME SAMPLED: 5:05 PM
DATE RECEIVED: 5/28/2020
TIME RECEIVED: 12:32 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: 23141	US 10	ND	10	mg/L (PPM)	LV	6/1/2020	WATER
CHLORIDE	EPA 300.0						

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

COMPANY: MILLER ENERGY COMPANY
PROJECT NO: GTA PROJECT NO: 052820-7
LOCATION: RICHMOND TOWNSHIP PIPELINE RELEASE
BOYER PROPERTY
MI
SAMPLED BY: JONATHAN PARKER/SS
DATE SAMPLED: 5/27/2020
TIME SAMPLED: 3:14 PM
DATE RECEIVED: 5/28/2020
TIME RECEIVED: 12:32 PM
GTA SAMPLE NO: 4

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-4							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	LV	6/1/2020	WATER

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

COMPANY: MILLER ENERGY COMPANY
PROJECT NO:
LOCATION: RICHMOND TOWNSHIP PIPELINE RELEASE
BOYER PROPERTY
MI
SAMPLED BY: JONATHAN PARKER/SS
GTA PROJECT NO: 052820-7
GTA SAMPLE NO: 5
DATE SAMPLED: 5/27/2020
TIME SAMPLED: 4:20 PM
DATE RECEIVED: 5/28/2020
TIME RECEIVED: 12:32 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-5D							
CHLORIDE EPA 300.0		2,500	50	mg/L (PPM)	LV	6/1/2020	WATER

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

COMPANY: MILLER ENERGY COMPANY
PROJECT NO:
LOCATION: RICHMOND TOWNSHIP PIPELINE RELEASE
BOYER PROPERTY
MI
SAMPLED BY: JONATHAN PARKER/SS

GTA PROJECT NO: 052820-7
GTA SAMPLE NO: 6
DATE SAMPLED: 5/27/2020
TIME SAMPLED: 2:39 PM
DATE RECEIVED: 5/28/2020
TIME RECEIVED: 12:32 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-6							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	LV	6/1/2020	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
PROJECT NO: GTA PROJECT NO: 052820-7
LOCATION: RICHMOND TOWNSHIP PIPELINE RELEASE
BOYER PROPERTY
MI
SAMPLED BY: JONATHAN PARKER/SS
DATE SAMPLED: 5/27/2020
TIME SAMPLED: 3:46 PM
DATE RECEIVED: 5/28/2020
TIME RECEIVED: 12:32 PM
GTA SAMPLE NO: 7

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-7							
CHLORIDE EPA 300.0		54	10	mg/L (PPM)	LV	6/1/2020	WATER

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

Client Information Due Date:	Project Information Project Name Richmond Township Pipeline Release (Boyer Property)	Invoice Information	Turn Around Time Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Three Day ☐ Next Day ☐ Five Day ☐ Two Day ☐ Standard cd593a35-a636-40cc-9d4c-a99e3d68a3ee 052820-7
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[illegible]

Special Instructions or Notes

Transfer History

Collected by

Sample ID



#4967 230th Ave , #23061 US 10 , #23141 US 10 , MW-4 , MW-5D , MW-6 , MW-7

Jonathan Parker

Custody Transfer #1

Custody Transfer #2

Custody Transfer #3

Custody Transfer #4

Received at th

Relinquished By

Received by

Relinquished By

Received by

Relinquished By

Received by

Relinquished By

Received by

Received t



Jonathan Parker

05/28/2020 11:27
44.5503751,
-85.6515231

1236 JP

Sign Be

Received by Lab			
Name	Signature	Date	Time
ASewer	[Signature]	5/28/20	12:22