

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: OTWELL MAWBY, P.C.

Name:

ClientProj: 20-361A

GTA ProjNo: 050322-17

Site Addr: TILLMAN UST

Sampled By: WPM/OMPC

Date Rec: 5/3/2022

Time Rec: 4:10 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-4	5/2/2022	12:05 PM	WATER
2	MW-5	5/2/2022	11:15 AM	WATER
3	MW-6	5/2/2022	3:05 PM	WATER
4	MW-7	5/2/2022	12:40 PM	WATER
5	MW-8	5/2/2022	2:40 PM	WATER
6	MW-9	5/2/2022	1:58 PM	WATER
7	MW-10	5/2/2022	1:13 PM	WATER
8	MW-11 @ 1.5'	5/2/2022	12:00 PM	SOIL
9	SG-3 @ 1'	5/2/2022	4:30 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
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COMPANY: OTWELL MAWBY, P.C.

PROJECT NO: 20-361A
LOCATION: TILLMAN UST

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-4GTA PROJECT NO: 050322-17
GTA SAMPLE NO: 1DATE SAMPLED: 5/2/2022
TIME SAMPLED: 12:05 PM
DATE RECEIVED: 5/3/2022
TIME RECEIVED: 4:10 PM

SAMPLED BY: WPM/OMPC

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	9.6	1.0	ug/L (PPB)	MR		5/4/2022	EPA 5030B
Toluene	10	1.0					
Ethylbenzene	42	1.0					
Xylene(Total)	130	3.0					
1,2,4-Trimethylbenzene	64	1.0					
1,3,5-Trimethylbenzene	21	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	16	5.0					
2-Methylnaphthalene	7.0	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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PROJECT NO: 20-361A
LOCATION: TILLMAN UST

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-5GTA PROJECT NO: 050322-17
GTA SAMPLE NO: 2DATE SAMPLED: 5/2/2022
TIME SAMPLED: 11:15 AM
DATE RECEIVED: 5/3/2022
TIME RECEIVED: 4:10 PM

SAMPLED BY: WPM/OMPC

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		5/4/2022	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					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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PROJECT NO: 20-361A
LOCATION: TILLMAN UST

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-6GTA PROJECT NO: 050322-17
GTA SAMPLE NO: 3DATE SAMPLED: 5/2/2022
TIME SAMPLED: 3:05 PM
DATE RECEIVED: 5/3/2022
TIME RECEIVED: 4:10 PM

SAMPLED BY: WPM/OMPC

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	39	1.0	ug/L (PPB)	MR		5/4/2022	EPA 5030B
Toluene	410	1.0					
Ethylbenzene	120	1.0					
Xylene(Total)	660	3.0					
1,2,4-Trimethylbenzene	210	1.0					
1,3,5-Trimethylbenzene	68	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	50	5.0					
2-Methylnaphthalene	25	5.0					

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PROJECT NO: 20-361A
LOCATION: TILLMAN UST

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-7GTA PROJECT NO: 050322-17
GTA SAMPLE NO: 4DATE SAMPLED: 5/2/2022
TIME SAMPLED: 12:40 PM
DATE RECEIVED: 5/3/2022
TIME RECEIVED: 4:10 PM

SAMPLED BY: WPM/OMPC

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		5/4/2022	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					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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PROJECT NO: 20-361A
LOCATION: TILLMAN UST

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-8GTA PROJECT NO: 050322-17
GTA SAMPLE NO: 5DATE SAMPLED: 5/2/2022
TIME SAMPLED: 2:40 PM
DATE RECEIVED: 5/3/2022
TIME RECEIVED: 4:10 PM

SAMPLED BY: WPM/OMPC

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	1.6	1.0	ug/L (PPB)	MR		5/4/2022	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					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

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COMPANY: OTWELL MAWBY, P.C.

PROJECT NO: 20-361A
LOCATION: TILLMAN UST

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-9GTA PROJECT NO: 050322-17
GTA SAMPLE NO: 6DATE SAMPLED: 5/2/2022
TIME SAMPLED: 1:58 PM
DATE RECEIVED: 5/3/2022
TIME RECEIVED: 4:10 PM

SAMPLED BY: WPM/OMPC

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	940	25	ug/L (PPB)	MR		5/4/2022	EPA 5030B
Toluene	74	1.0					
Ethylbenzene	250	25					
Xylene(Total)	160	3.0					
1,2,4-Trimethylbenzene	73	1.0					
1,3,5-Trimethylbenzene	7.5	1.0					
Methyl-t-Butyl Ether	100	5.0					
Naphthalene	28	5.0					
2-Methylnaphthalene	ND	5.0					

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PROJECT NO: 20-361A
LOCATION: TILLMAN UST

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-10GTA PROJECT NO: 050322-17
GTA SAMPLE NO: 7DATE SAMPLED: 5/2/2022
TIME SAMPLED: 1:13 PM
DATE RECEIVED: 5/3/2022
TIME RECEIVED: 4:10 PM

SAMPLED BY: WPM/OMPC

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		5/4/2022	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					
Methyl-t-Butyl Ether	17	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

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COMPANY: OTWELL MAWBY, P.C.

PROJECT NO: 20-361A
LOCATION: TILLMAN UST

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: MW-11 @ 1.5'GTA PROJECT NO: 050322-17
GTA SAMPLE NO: 8DATE SAMPLED: 5/2/2022
TIME SAMPLED: 12:00 PM
DATE RECEIVED: 5/3/2022
TIME RECEIVED: 4:10 PM

SAMPLED BY: WPM/OMPC

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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		5/2/2022	5/4/2022	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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PROJECT NO: 20-361A
LOCATION: TILLMAN UST

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: SG-3 @ 1'

GTA PROJECT NO: 050322-17

GTA SAMPLE NO: 9

DATE SAMPLED: 5/2/2022

TIME SAMPLED: 4:30 PM

DATE RECEIVED: 5/3/2022

TIME RECEIVED: 4:10 PM

SAMPLED BY: WPM/OMPC

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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		5/2/2022	5/4/2022	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: OTWELL MAWBY, P.C.

GTA PROJECT NO: 050322-
SAMPLED BY: WPM/OMPC

NAME:
PROJECT NO: 20-361A

DATE SAMPLED: 5/2/2022

LOCATION: TILLMAN UST

MI

SAMPLE MATRIX: SOIL

DATE RECEIVED: 5/3/2022
TIME RECEIVED: 4:10 PM

MOISTURE

No: Analysis

SAMPLE ID: MW-11 @ 1.5'
% MOISTURE EPA 3550C

SAMPLE ID: SG-3 @ 1'
% MOISTURE EPA 3550C

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
10	0.050	% OF SAMPLE	AS	5/3/2022
13	0.050	% OF SAMPLE	AS	5/3/2022

CHAIN OF CUSTODY

PROJECT NUMBER 26-361A	SITE NAME/ADDRESS Tillman UST	COMPANY/NAME Tillman
SAMPLED BY WPM	COMPANY OMPC	GTA PROJECT # 050322-17

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-4	5-2-22	1205	H ₂ O	VLG
2	MW-5	↓	1115	↓	↓
3	MW-6		1505		
4	MW-7		1240		
5	MW-8		1440		
6	MW-9		1358		
7	MW-10	↓	1313	↓	↓
8	MW-11 @ 1.5'	5/2/22	1200	Soil	
9	SG-3 @ 1'	5/2/22	1630	↓	

BILL TO:	TempRec: ☐ Y ☐ N On Ice? ☒ ☐ 1.6°C	REPORT TO: Don Barton
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RELEASED BY [Signature]	DATE/TIME 5-3-22 1610	RECEIVED BY [Signature]	DATE/TIME 5/3/22 1610

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