

**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: 090222-12

Site Addr: TILMANN UST

Sampled By: WPM/OMPC

Date Rec: 9/2/2022

Time Rec: 2:45 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-12	9/1/2022	1:25 PM	WATER
2	MW-13	9/1/2022	2:05 PM	WATER
3	MW-14	9/1/2022	10:45 AM	WATER
4	MW-15	9/1/2022	8:30 AM	WATER
5	MW-16	9/1/2022	9:15 AM	WATER
6	MW-17	9/1/2022	9:40 AM	WATER
7	MW-18	9/1/2022	10:30 AM	WATER
8	MW-19	9/1/2022	12:15 PM	WATER
9	MW-20	9/1/2022	11:45 AM	WATER
10	MW-21	9/1/2022	12:45 PM	WATER
11	MW-22	9/1/2022	11:15 AM	WATER
12	MW-24	9/1/2022	4:10 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
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COMPANY: OTWELL MAWBY, P.C.

PROJECT NO: 20-361A
LOCATION: TILMANN UST

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-12GTA PROJECT NO: 090222-12
GTA SAMPLE NO: 1DATE SAMPLED: 9/1/2022
TIME SAMPLED: 1:25 PM
DATE RECEIVED: 9/2/2022
TIME RECEIVED: 2:45 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	1,900	50	ug/L (PPB)	MR		9/6/2022	EPA 5030B
Toluene	7,200	50					
Ethylbenzene	2,000	50					
Xylene(Total)	9,000	150					
1,2,4-Trimethylbenzene	1,200	50					
1,3,5-Trimethylbenzene	330	50					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	810	5.0					
2-Methylnaphthalene	380	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: OTWELL MAWBY, P.C.

PROJECT NO: 20-361A
LOCATION: TILMANN UST

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-13GTA PROJECT NO: 090222-12
GTA SAMPLE NO: 2DATE SAMPLED: 9/1/2022
TIME SAMPLED: 2:05 PM
DATE RECEIVED: 9/2/2022
TIME RECEIVED: 2:45 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		9/6/2022	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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COMPANY: OTWELL MAWBY, P.C.

GTA PROJECT NO: 090222-12

PROJECT NO: 20-361A

GTA SAMPLE NO: 3

LOCATION: TILMANN UST

DATE SAMPLED: 9/1/2022

TIME SAMPLED: 10:45 AM

MI

DATE RECEIVED: 9/2/2022

TIME RECEIVED: 2:45 PM

SAMPLE MATRIX: WATER

SAMPLE ID: MW-14

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		9/6/2022	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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COMPANY: OTWELL MAWBY, P.C.

PROJECT NO: 20-361A
LOCATION: TILMANN UST

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-15GTA PROJECT NO: 090222-12
GTA SAMPLE NO: 4DATE SAMPLED: 9/1/2022
TIME SAMPLED: 8:30 AM
DATE RECEIVED: 9/2/2022
TIME RECEIVED: 2:45 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		9/6/2022	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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COMPANY: OTWELL MAWBY, P.C.

PROJECT NO: 20-361A
LOCATION: TILMANN UST

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-16GTA PROJECT NO: 090222-12
GTA SAMPLE NO: 5DATE SAMPLED: 9/1/2022
TIME SAMPLED: 9:15 AM
DATE RECEIVED: 9/2/2022
TIME RECEIVED: 2:45 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		9/6/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	1.4	1.0					
Xylene(Total)	5.8	3.0					
1,2,4-Trimethylbenzene	2.1	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: TILMANN UST

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-17GTA PROJECT NO: 090222-12
GTA SAMPLE NO: 6DATE SAMPLED: 9/1/2022
TIME SAMPLED: 9:40 AM
DATE RECEIVED: 9/2/2022
TIME RECEIVED: 2:45 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		9/6/2022	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	110	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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LOD = LIMIT OF DETECTION

COMPANY: OTWELL MAWBY, P.C.

GTA PROJECT NO: 090222-12

PROJECT NO: 20-361A

GTA SAMPLE NO: 7

LOCATION: TILMANN UST

DATE SAMPLED: 9/1/2022

TIME SAMPLED: 10:30 AM

MI

DATE RECEIVED: 9/2/2022

TIME RECEIVED: 2:45 PM

SAMPLE MATRIX: WATER

SAMPLE ID: MW-18

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	19	1.0	ug/L (PPB)	MR		9/7/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	1.0	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	1.8	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Methyl-t-Butyl Ether	23	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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LOD = LIMIT OF DETECTION

COMPANY: OTWELL MAWBY, P.C.

GTA PROJECT NO: 090222-12

PROJECT NO: 20-361A

GTA SAMPLE NO: 8

LOCATION: TILMANN UST

DATE SAMPLED: 9/1/2022

TIME SAMPLED: 12:15 PM

MI

DATE RECEIVED: 9/2/2022

TIME RECEIVED: 2:45 PM

SAMPLE MATRIX: WATER

SAMPLE ID: MW-19

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		9/6/2022	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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COMPANY: OTWELL MAWBY, P.C.

PROJECT NO: 20-361A
LOCATION: TILMANN UST

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-20GTA PROJECT NO: 090222-12
GTA SAMPLE NO: 9DATE SAMPLED: 9/1/2022
TIME SAMPLED: 11:45 AM
DATE RECEIVED: 9/2/2022
TIME RECEIVED: 2:45 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		9/6/2022	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.

GTA PROJECT NO: 090222-12

PROJECT NO: 20-361A

GTA SAMPLE NO: 10

LOCATION: TILMANN UST

DATE SAMPLED: 9/1/2022

TIME SAMPLED: 12:45 PM

MI

DATE RECEIVED: 9/2/2022

TIME RECEIVED: 2:45 PM

SAMPLE MATRIX: WATER

SAMPLE ID: MW-21

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		9/6/2022	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	85	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: OTWELL MAWBY, P.C.

PROJECT NO: 20-361A
LOCATION: TILMANN UST

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-22GTA PROJECT NO: 090222-12
GTA SAMPLE NO: 11DATE SAMPLED: 9/1/2022
TIME SAMPLED: 11:15 AM
DATE RECEIVED: 9/2/2022
TIME RECEIVED: 2:45 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		9/6/2022	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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LOD = LIMIT OF DETECTION

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COMPANY: OTWELL MAWBY, P.C.

PROJECT NO: 20-361A
LOCATION: TILMANN UST

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-24GTA PROJECT NO: 090222-12
GTA SAMPLE NO: 12DATE SAMPLED: 9/1/2022
TIME SAMPLED: 4:10 PM
DATE RECEIVED: 9/2/2022
TIME RECEIVED: 2:45 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		9/6/2022	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	25	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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LOD = LIMIT OF DETECTION

CHAIN OF CUSTODY

PROJECT NUMBER 20-361A	SITE NAME/ADDRESS T. Mann UST	COMPANY/NAME T. Mann
SAMPLED BY WPM	COMPANY OMPC	GTA PROJECT # 090222-12

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-12	9-1-22	1325	H ₂ O	ULG
2	MW-13	↓	1405	↓	*ONLY ONE*
3	MW-14		1045		
4	MW-15		830/1000		
5	MW-16		915		
6	MW-17		940		
7	MW-18		1030		
8	MW-19		1215		
9	MW-20		1145		
10	MW-21		1245		
11	MW-22		1115		
12	MW-24		1610		

BILL TO:	TempRec: ☐ Y ☐ N On Ice? ☐ ☐ 3.0 °C	REPORT TO: Don Barton
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RELEASED BY [Signature]	DATE/TIME 9-2-22 1445	RECEIVED BY K. Ch	DATE/TIME 9/2/22 1445

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