

**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: 98-047

GTA ProjNo: 080819-12

Site Addr: GILBERTS/GEORGES

Sampled By: STEVEN HEMSTREET/OMPC

Date Rec: 8/8/2019

Time Rec: 2:03 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-3	8/8/2019	11:00 AM	WATER
2	MW-4	8/8/2019	11:00 AM	WATER
3	MW-5	8/8/2019	11:00 AM	WATER
4	MW-6	8/8/2019	11:00 AM	WATER
5	MW-7S	8/8/2019	11:00 AM	WATER
6	MW-7D	8/8/2019	11:00 AM	WATER
7	MW-11S	8/8/2019	11:00 AM	WATER
8	MW-11DR	8/8/2019	11:00 AM	WATER
9	SV-1	8/8/2019	11:00 AM	WATER
10	MW-14	8/8/2019	11:00 AM	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 L 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

**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.

PROJECT NO: 98-047

LOCATION: GILBERTS/GEORGES

MI
SAMPLED BY: STEVEN HEMSTREET/OMPC

SAMPLE MATRIX: WATER

GTA PROJECT NO: 080819-12

GTA SAMPLE NO: 1

DATE SAMPLED: 8/8/2019

TIME SAMPLED: 11:00 AM

DATE RECEIVED: 8/8/2019

TIME RECEIVED: 2:03 PM

SAMPLE ID: MW-3

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		8/9/2019	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					
1,2-Dibromoethane	ND	1.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT

ND = NOT DETECTED

LOD = LIMIT OF DETECTION

**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.

PROJECT NO: 98-047

LOCATION: GILBERTS/GEORGES

SAMPLED BY: MI
STEVEN HEMSTREET/OMPC

SAMPLE MATRIX: WATER

GTA PROJECT NO: 080819-12

GTA SAMPLE NO: 2

DATE SAMPLED: 8/8/2019

TIME SAMPLED: 11:00 AM

DATE RECEIVED: 8/8/2019

TIME RECEIVED: 2:03 PM

SAMPLE ID: MW-4

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		8/9/2019	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					
1,2-Dibromoethane	ND	1.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT

ND = NOT DETECTED

LOD = LIMIT OF DETECTION

**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.

PROJECT NO: 98-047

LOCATION: GILBERTS/GEORGES

MI
SAMPLED BY: STEVEN HEMSTREET/OMPC

SAMPLE MATRIX: WATER

GTA PROJECT NO: 080819-12

GTA SAMPLE NO: 3

DATE SAMPLED: 8/8/2019

TIME SAMPLED: 11:00 AM

DATE RECEIVED: 8/8/2019

TIME RECEIVED: 2:03 PM

SAMPLE ID: MW-5

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		8/9/2019	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					
1,2-Dibromoethane	ND	1.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT

ND = NOT DETECTED

LOD = LIMIT OF DETECTION

**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.

PROJECT NO: 98-047

LOCATION: GILBERTS/GEORGES

SAMPLED BY: MI
STEVEN HEMSTREET/OMPC

SAMPLE MATRIX: WATER

GTA PROJECT NO: 080819-12

GTA SAMPLE NO: 4

DATE SAMPLED: 8/8/2019

TIME SAMPLED: 11:00 AM

DATE RECEIVED: 8/8/2019

TIME RECEIVED: 2:03 PM

SAMPLE ID: MW-6

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		8/10/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	1.4	1.0					
1,3,5-Trimethylbenzene	1.3	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					
1,2-Dibromoethane	ND	1.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT

ND = NOT DETECTED

LOD = LIMIT OF DETECTION

COMPANY: OTWELL MAWBY, P.C.

PROJECT NO: 98-047

LOCATION: GILBERTS/GEORGES

MI
SAMPLED BY: STEVEN HEMSTREET/OMPC

SAMPLE MATRIX: WATER

GTA PROJECT NO: 080819-12

GTA SAMPLE NO: 5

DATE SAMPLED: 8/8/2019

TIME SAMPLED: 11:00 AM

DATE RECEIVED: 8/8/2019

TIME RECEIVED: 2:03 PM

SAMPLE ID: MW-7S

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		8/10/2019	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					
1,2-Dibromoethane	ND	1.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT

ND = NOT DETECTED

LOD = LIMIT OF DETECTION

**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.

PROJECT NO: 98-047

LOCATION: GILBERTS/GEORGES

SAMPLED BY: MI
STEVEN HEMSTREET/OMPC

SAMPLE MATRIX: WATER

GTA PROJECT NO: 080819-12

GTA SAMPLE NO: 6

DATE SAMPLED: 8/8/2019

TIME SAMPLED: 11:00 AM

DATE RECEIVED: 8/8/2019

TIME RECEIVED: 2:03 PM

SAMPLE ID: MW-7D

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		8/10/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	4.9	1.0					
Xylene(Total)	570	30					
1,2,4-Trimethylbenzene	1,300	10					
1,3,5-Trimethylbenzene	510	10					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	40	5.0					
2-Methylnaphthalene	82	5.0					
1,2-Dibromoethane	ND	1.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT

ND = NOT DETECTED

LOD = LIMIT OF DETECTION

**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.

PROJECT NO: 98-047

LOCATION: GILBERTS/GEORGES

SAMPLED BY: MI
STEVEN HEMSTREET/OMPC

SAMPLE MATRIX: WATER

GTA PROJECT NO: 080819-12

GTA SAMPLE NO: 7

DATE SAMPLED: 8/8/2019

TIME SAMPLED: 11:00 AM

DATE RECEIVED: 8/8/2019

TIME RECEIVED: 2:03 PM

SAMPLE ID: MW-11S

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		8/9/2019	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					
1,2-Dibromoethane	ND	1.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT

ND = NOT DETECTED

LOD = LIMIT OF DETECTION

COMPANY: OTWELL MAWBY, P.C.

PROJECT NO: 98-047

LOCATION: GILBERTS/GEORGES

SAMPLED BY: MI
STEVEN HEMSTREET/OMPC

SAMPLE MATRIX: WATER

GTA PROJECT NO: 080819-12

GTA SAMPLE NO: 8

DATE SAMPLED: 8/8/2019

TIME SAMPLED: 11:00 AM

DATE RECEIVED: 8/8/2019

TIME RECEIVED: 2:03 PM

SAMPLE ID: MW-11DR

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		8/9/2019	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					
1,2-Dibromoethane	ND	1.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT

ND = NOT DETECTED

LOD = LIMIT OF DETECTION

**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.

PROJECT NO: 98-047

LOCATION: GILBERTS/GEORGES

SAMPLED BY: MI
STEVEN HEMSTREET/OMPC

SAMPLE MATRIX: WATER

GTA PROJECT NO: 080819-12

GTA SAMPLE NO: 9

DATE SAMPLED: 8/8/2019

TIME SAMPLED: 11:00 AM

DATE RECEIVED: 8/8/2019

TIME RECEIVED: 2:03 PM

SAMPLE ID: SV-1

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		8/9/2019	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					
1,2-Dibromoethane	ND	1.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT

ND = NOT DETECTED

LOD = LIMIT OF DETECTION

**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.

PROJECT NO: 98-047

LOCATION: GILBERTS/GEORGES

SAMPLED BY: MI
STEVEN HEMSTREET/OMPC

SAMPLE MATRIX: WATER

GTA PROJECT NO: 080819-12

GTA SAMPLE NO: 10

DATE SAMPLED: 8/8/2019

TIME SAMPLED: 11:00 AM

DATE RECEIVED: 8/8/2019

TIME RECEIVED: 2:03 PM

SAMPLE ID: MW-14

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		8/10/2019	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					
1,2-Dibromoethane	ND	1.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT

ND = NOT DETECTED

LOD = LIMIT OF DETECTION

INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

CHAIN OF CUSTODY

PROJECT NUMBER 98-047	SITE NAME/ADDRESS Gilberts/Georges	COMPANY/NAME Otwell Mawby
SAMPLED BY Steven Hemstreet	COMPANY Otwell Mawby	GTA PROJECT # 080819-12

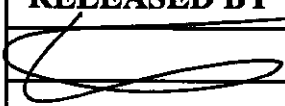
SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-3	8-8-19	11:00am	H ₂ O	ULG, EDB (no low level)
2	MW-4				" " "
3	MW-5				" " "
4	MW-6				" " "
5	MW-7s				" " "
6	MW-7d				" " "
7	MW-11s				" " "
8	MW-11dr				" " "
9	SV-1				" " "
10	MW-14	↓	↓	↓	" " "

BILL TO: Tom Grapes (owner)

REPORT TO:

James Jackson (OMPC)
Tom Grapes (owner)

RELEASED BY 	DATE/TIME 8-8-19 2:03pm	RECEIVED BY K. Ch	DATE/TIME 8/8/19 2:03pm
		ru 15°C	

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