

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: MICHIGAN CONSULTING &
Name: ENVIRONMENTAL
ClientProj: 64101
GTA ProjNo: 042823-5

Site Addr: BUTCH'S TACKLE & MARINE
BELLAIRE
Sampled By: NS/SK - MCE
Date Rec: 4/28/2023
Time Rec: 9:12 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-14D, 5.25-6 FT	4/27/2023	12:05 PM	SOIL
2	MW-14D, 9.5-10 FT	4/27/2023	12:10 PM	SOIL
3	MW-15, 5-5.25 FT	4/27/2023	1:01 PM	SOIL
4	MW-15, 9.5-10 FT	4/27/2023	1:10 PM	SOIL
5	MW-16, 5.5-6 FT	4/27/2023	1:45 PM	SOIL
6	MW-16, 7.5-8 FT	4/27/2023	1:55 PM	SOIL
7	MW-17, 5.5-6 FT	4/27/2023	2:35 PM	SOIL
8	MW-14D	4/27/2023	4:41 PM	WATER
9	MW-15	4/27/2023	5:06 PM	WATER
10	MW-16	4/27/2023	5:23 PM	WATER
11	MW-17	4/27/2023	5:40 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
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kirk@gtanalytical.com

COMPANY: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64101
LOCATION: BUTCH'S TACKLE & MARINE

BELLAIRE
MI

SAMPLE MATRIX: SOIL
SAMPLE ID: MW-14D, 5.25-6 FT

GTA PROJECT NO: 042823-5
GTA SAMPLE NO: 1

DATE SAMPLED: 4/27/2023
TIME SAMPLED: 12:05 PM
DATE RECEIVED: 4/28/2023
TIME RECEIVED: 9:12 AM

SAMPLED BY: NS/SK - MCE

**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	620	100	ug/Kg (PPB) MR		4/27/2023	5/8/2023	EPA 5035A
Toluene	180	100					
Ethylbenzene	790	100					
Xylene(Total)	18,000	3,000					
1,2,4-Trimethylbenzene	13,000	1,000					
1,3,5-Trimethylbenzene	1,500	100					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	730	250					
2-Methylnaphthalene	ND	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: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64101
LOCATION: BUTCH'S TACKLE & MARINE

BELLAIRE
MI

SAMPLE MATRIX: SOIL
SAMPLE ID: MW-14D, 9.5-10 FT

GTA PROJECT NO: 042823-5
GTA SAMPLE NO: 2

DATE SAMPLED: 4/27/2023
TIME SAMPLED: 12:10 PM
DATE RECEIVED: 4/28/2023
TIME RECEIVED: 9:12 AM

SAMPLED BY: NS/SK - MCE

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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		4/27/2023	5/8/2023	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: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64101
LOCATION: BUTCH'S TACKLE & MARINE

BELLAIRE
MI

SAMPLE MATRIX: SOIL
SAMPLE ID: MW-15, 5-5.25 FT

GTA PROJECT NO: 042823-5
GTA SAMPLE NO: 3

DATE SAMPLED: 4/27/2023
TIME SAMPLED: 1:01 PM
DATE RECEIVED: 4/28/2023
TIME RECEIVED: 9:12 AM

SAMPLED BY: NS/SK - MCE

**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	4/27/2023	5/8/2023	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: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64101
LOCATION: BUTCH'S TACKLE & MARINE

BELLAIRE
MI

SAMPLE MATRIX: SOIL
SAMPLE ID: MW-15, 9.5-10 FT

GTA PROJECT NO: 042823-5
GTA SAMPLE NO: 4

DATE SAMPLED: 4/27/2023
TIME SAMPLED: 1:10 PM
DATE RECEIVED: 4/28/2023
TIME RECEIVED: 9:12 AM

SAMPLED BY: NS/SK - MCE

**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	4/27/2023	5/8/2023	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: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64101
LOCATION: BUTCH'S TACKLE & MARINE

BELLAIRE
MI

SAMPLE MATRIX: SOIL
SAMPLE ID: MW-16, 5.5-6 FT

GTA PROJECT NO: 042823-5
GTA SAMPLE NO: 5

DATE SAMPLED: 4/27/2023
TIME SAMPLED: 1:45 PM
DATE RECEIVED: 4/28/2023
TIME RECEIVED: 9:12 AM

SAMPLED BY: NS/SK - MCE

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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	100	ug/Kg (PPB)	MR	4/27/2023	5/8/2023	EPA 5035A
Toluene	ND	100					
Ethylbenzene	ND	100					
Xylene(Total)	970	300					
1,2,4-Trimethylbenzene	160,000	1,000					
1,3,5-Trimethylbenzene	73,000	1,000					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	3,200	500					
2-Methylnaphthalene	31,000	500					

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COMPANY: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64101
LOCATION: BUTCH'S TACKLE & MARINE

BELLAIRE
MI

SAMPLE MATRIX: SOIL
SAMPLE ID: MW-16, 7.5-8 FT

GTA PROJECT NO: 042823-5
GTA SAMPLE NO: 6

DATE SAMPLED: 4/27/2023
TIME SAMPLED: 1:55 PM
DATE RECEIVED: 4/28/2023
TIME RECEIVED: 9:12 AM

SAMPLED BY: NS/SK - MCE

**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	4/27/2023	5/8/2023	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					

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

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LOD = LIMIT OF DETECTION

COMPANY: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64101
LOCATION: BUTCH'S TACKLE & MARINE

BELLAIRE
MI

SAMPLE MATRIX: SOIL
SAMPLE ID: MW-17, 5.5-6 FT

GTA PROJECT NO: 042823-5
GTA SAMPLE NO: 7

DATE SAMPLED: 4/27/2023
TIME SAMPLED: 2:35 PM
DATE RECEIVED: 4/28/2023
TIME RECEIVED: 9:12 AM

SAMPLED BY: NS/SK - MCE

**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	4/27/2023	5/8/2023	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					

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

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LOD = LIMIT OF DETECTION

COMPANY:	MICHIGAN CONSULTING & ENVIRONMENTAL	GTA PROJECT NO:	042823-5
PROJECT NO:	64101	GTA SAMPLE NO:	8
LOCATION:	BUTCH'S TACKLE & MARINE	DATE SAMPLED:	4/27/2023
	BELLAIRE	TIME SAMPLED:	4:41 PM
	MI	DATE RECEIVED:	4/28/2023
		TIME RECEIVED:	9:12 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-14D	SAMPLED BY:	NS/SK - MCE

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		5/8/2023	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	MICHIGAN CONSULTING & ENVIRONMENTAL	GTA PROJECT NO:	042823-5
PROJECT NO:	64101	GTA SAMPLE NO:	9
LOCATION:	BUTCH'S TACKLE & MARINE	DATE SAMPLED:	4/27/2023
	BELLAIRE	TIME SAMPLED:	5:06 PM
	MI	DATE RECEIVED:	4/28/2023
		TIME RECEIVED:	9:12 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-15	SAMPLED BY:	NS/SK - MCE

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		5/8/2023	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

COMPANY:	MICHIGAN CONSULTING & ENVIRONMENTAL	GTA PROJECT NO:	042823-5
PROJECT NO:	64101	GTA SAMPLE NO:	10
LOCATION:	BUTCH'S TACKLE & MARINE	DATE SAMPLED:	4/27/2023
	BELLAIRE	TIME SAMPLED:	5:23 PM
	MI	DATE RECEIVED:	4/28/2023
		TIME RECEIVED:	9:12 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-16	SAMPLED BY:	NS/SK - MCE

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	6.3	5.0	ug/L (PPB)	MR		5/8/2023	EPA 5030B
Toluene	17	5.0					
Ethylbenzene	5.1	5.0					
Xylene(Total)	27	15					
1,2,4-Trimethylbenzene	1,500	5.0					
1,3,5-Trimethylbenzene	630	5.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	34	5.0					
2-Methylnaphthalene	97	5.0					

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

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	MICHIGAN CONSULTING & ENVIRONMENTAL	GTA PROJECT NO:	042823-5
PROJECT NO:	64101	GTA SAMPLE NO:	11
LOCATION:	BUTCH'S TACKLE & MARINE	DATE SAMPLED:	4/27/2023
	BELLAIRE	TIME SAMPLED:	5:40 PM
	MI	DATE RECEIVED:	4/28/2023
		TIME RECEIVED:	9:12 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-17	SAMPLED BY:	NS/SK - MCE

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		5/8/2023	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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LOD = LIMIT OF DETECTION

**INDEPENDENT TESTING LAB**

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PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: MICHIGAN CONSULTING &
ENVIRONMENTALNAME:
PROJECT NO: 64101LOCATION: BUTCH'S TACKLE & MARINE
BELLAIRE
MI

GTA PROJECT NO: 042823-

SAMPLED BY: NS/SK - MCE

DATE SAMPLED: 4/27/2023

SAMPLE MATRIX: SOIL

DATE RECEIVED: 4/28/2023
TIME RECEIVED: 9:12 AM**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: MW-14D, 5.25-6 FT % MOISTURE EPA 3550C	76	0.10	% OF SAMPLE	AS	4/28/2023
SAMPLE ID: MW-14D, 9.5-10 FT % MOISTURE EPA 3550C	10	0.10	% OF SAMPLE	AS	4/28/2023
SAMPLE ID: MW-15, 5-5.25 FT % MOISTURE EPA 3550C	14	0.10	% OF SAMPLE	AS	4/28/2023
SAMPLE ID: MW-15, 9.5-10 FT % MOISTURE EPA 3550C	8.9	0.10	% OF SAMPLE	AS	4/28/2023
SAMPLE ID: MW-16, 5.5-6 FT % MOISTURE EPA 3550C	15	0.10	% OF SAMPLE	AS	4/28/2023
SAMPLE ID: MW-16, 7.5-8 FT % MOISTURE EPA 3550C	11	0.10	% OF SAMPLE	AS	4/28/2023
SAMPLE ID: MW-17, 5.5-6 FT % MOISTURE EPA 3550C	8.1	0.10	% OF SAMPLE	AS	4/28/2023

CHAIN OF CUSTODY

PROJECT NUMBER 64101	SITE NAME/ADDRESS Butch's Tackle & Marine Bellaire, MI	COMPANY/NAME MCE
SAMPLED BY Nils Sandin Sam Kitchin	COMPANY MCE	GTA PROJECT # 042823-5

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-14D, 5.25-6 FT	4-27-23	12:05 PM	soil	Unleaded Gasoline
2	MW-14D, 9.5-10 FT		12:10 PM		
3	MW-15, 5-5.25 FT		1:01 PM		
4	MW-15, 9.5-10 FT		1:10 PM		
5	MW-16, 5.5-6 FT		1:45 PM		
6	MW-16, 7.5-8 FT		1:55 PM		
7	MW-17, 5.5-6 FT		2:35 PM	↓	
8	MW-14D		4:41 PM	ground water	
9	MW-15		5:06 PM	↓	
10	MW-16		5:23 PM		
11	MW-17		5:40 PM	↓	

BILL TO: MCE	TempRec: ☐ On Ice? ☒ 1.3°C	REPORT TO: randrasie@michenv.com dnida@michenv.com
RELEASED BY Nils Sandin	DATE/TIME 4/28/23 @ 9:12am	RECEIVED BY [Signature] 4-28-23 9:12am
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS		