

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: MACKINAC ENVIRONMENTAL
Name:
ClientProj: M19-3117
GTA ProjNo: 070721-3

Site Addr: BMIC SD

Sampled By: SDM/MET

Date Rec: 7/7/2021

Time Rec: 12:07 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-3R	7/2/2021		WATER
2	MW-3R @ 3FT	7/2/2021		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

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COMPANY: MACKINAC ENVIRONMENTAL
PROJECT NO: M19-3117
LOCATION: BMIC SD
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-3R

GTA PROJECT NO: 070721-3
GTA SAMPLE NO: 1
DATE SAMPLED: 7/2/2021
TIME SAMPLED:
DATE RECEIVED: 7/7/2021
TIME RECEIVED: 12:07 PM
SAMPLED BY: SDM/MET

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		7/9/2021	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

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M19-3117

LOCATION: BMIC SD

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: MW-3R @ 3FT

GTA PROJECT NO: 070721-3

GTA SAMPLE NO: 2

DATE SAMPLED: 7/2/2021

TIME SAMPLED:

DATE RECEIVED: 7/7/2021

TIME RECEIVED: 12:07 PM

SAMPLED BY: SDM/MET

**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		7/2/2021	7/9/2021	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: MACKINAC ENVIRONMENTAL

PROJECT NO: M19-3117

LOCATION: BMIC SD

SAMPLED BY: MI
SDM/MET

SAMPLE MATRIX: WATER
SAMPLE ID: MW-3R

GTA PROJECT NO: 070721-3

GTA SAMPLE NO: 1

DATE SAMPLED: 7/2/2021

TIME SAMPLED:

DATE RECEIVED: 7/7/2021

TIME RECEIVED: 12:07 PM

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	5.0	ug/L (PPB)	KC/TR	7/8/2021	7/9/2021	EPA 3511
Acenaphthylene	ND	5.0					
Anthracene	ND	5.0					
Benzo(a)anthracene	ND	1.0					
Benzo(b)fluoranthene	ND	1.0					
Benzo(k)fluoranthene	ND	1.0					
Benzo(a)pyrene	ND	1.0					
Benzo(ghi)perylene	ND	2.0					
2-Chloronaphthalene	ND	5.0					
Chrysene	ND	1.0					
Dibenz(ah)anthracene	ND	2.0					
Fluoranthene	ND	1.0					
Fluorene	ND	5.0					
Indeno(123-cd)pyrene	ND	2.0					
Phenanthrene	ND	2.0					
Pyrene	ND	5.0					

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

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M19-3117

LOCATION: BMIC SD

GTA PROJECT NO: 070721-3

GTA SAMPLE NO: 2

DATE SAMPLED: 7/2/2021

TIME SAMPLED:

SAMPLED BY: MI
SDM/MET

DATE RECEIVED: 7/7/2021

TIME RECEIVED: 12:07 PM

SAMPLE MATRIX: SOIL

SAMPLE ID: MW-3R @ 3FT

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	330	ug/Kg (PPB)	KC/TR	7/8/2021	7/9/2021	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	ND	330					
Benzo(a)anthracene	ND	330					
Benzo(b)fluoranthene	ND	330					
Benzo(k)fluoranthene	ND	330					
Benzo(a)pyrene	ND	330					
Benzo(ghi)perylene	ND	330					
2-Chloronaphthalene	ND	330					
Chrysene	ND	330					
Dibenz(ah)anthracene	ND	330					
Fluoranthene	ND	330					
Fluorene	ND	330					
Indeno(123-cd)pyrene	ND	330					
Phenanthrene	ND	330					
Pyrene	ND	330					

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COMPANY: MACKINAC ENVIRONMENTAL

GTA PROJECT NO: 070721-
SAMPLED BY: SDM/METNAME:
PROJECT NO: M19-3117DATE SAMPLED: 7/2/2021
TIME SAMPLED:

LOCATION: BMIC SD

SAMPLE MATRIX: SOIL

DATE RECEIVED: 7/7/2021
TIME RECEIVED: 12:07 PM

MI

MOISTURE**No: Analysis**SAMPLE ID: MW-3R @ 3FT
% MOISTURE EPA 3550C

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
15	0.050	% OF SAMPLED	AS	7/7/2021

