



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: M21-3546
GTA ProjNo: 102121-6

Site Addr: PB FUEL
Sampled By: PJK/MET
Date Rec: 10/21/2021
Time Rec: 11:45 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	S-1	10/19/2021		SOIL
2	S-2	10/19/2021		SOIL
3	S-3	10/19/2021		SOIL
4	WS-1	10/19/2021		WATER
5	WS-2	10/19/2021		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
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830 Robinwood Court
Traverse City, MI 49686
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COMPANY: MACKINAC ENVIRONMENTAL
PROJECT NO: M21-3546
LOCATION: PB FUEL
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: S-1

GTA PROJECT NO: 102121-6
GTA SAMPLE NO: 1
DATE SAMPLED: 10/19/2021
TIME SAMPLED:
DATE RECEIVED: 10/21/2021
TIME RECEIVED: 11:45 AM

SAMPLED BY: PJK/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	10/19/2021	10/22/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

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: M21-3546
 LOCATION: PB FUEL
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: S-2

GTA PROJECT NO: 102121-6
 GTA SAMPLE NO: 2
 DATE SAMPLED: 10/19/2021
 TIME SAMPLED:
 DATE RECEIVED: 10/21/2021
 TIME RECEIVED: 11:45 AM

SAMPLED BY: PJK/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	10/19/2021	10/22/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: MACKINAC ENVIRONMENTAL
 PROJECT NO: M21-3546
 LOCATION: PB FUEL
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: S-3

GTA PROJECT NO: 102121-6
 GTA SAMPLE NO: 3
 DATE SAMPLED: 10/19/2021
 TIME SAMPLED:
 DATE RECEIVED: 10/21/2021
 TIME RECEIVED: 11:45 AM

SAMPLED BY: PJK/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	10/19/2021	10/22/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: MACKINAC ENVIRONMENTAL
PROJECT NO: M21-3546
LOCATION: PB FUEL
MI
SAMPLE MATRIX: WATER
SAMPLE ID: WS-1

GTA PROJECT NO: 102121-6
GTA SAMPLE NO: 4
DATE SAMPLED: 10/19/2021
TIME SAMPLED:
DATE RECEIVED: 10/21/2021
TIME RECEIVED: 11:45 AM
SAMPLED BY: PJK/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	25	1.0	ug/L (PPB)	MR		10/22/2021	EPA 5030B
Toluene	180	1.0					
Ethylbenzene	43	1.0					
Xylene(Total)	230	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: MACKINAC ENVIRONMENTAL

NAME:
PROJECT NO: M21-3546

LOCATION: PB FUEL

MI

GTA PROJECT NO: 102121-
SAMPLED BY: PJK/MET

DATE SAMPLED: 10/19/2021

SAMPLE MATRIX: SOIL

DATE RECEIVED: 10/21/2021
TIME RECEIVED: 11:45 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: S-1	% MOISTURE EPA 3550C	4.7	0.050	% OF SAMPLE	AS	10/21/2021
SAMPLE ID: S-2	% MOISTURE EPA 3550C	3.7	0.050	% OF SAMPLE	AS	10/21/2021
SAMPLE ID: S-3	% MOISTURE EPA 3550C	7.9	0.050	% OF SAMPLE	AS	10/21/2021

