



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: M20-3243
GTA ProjNo: 062320-2

Site Addr: TUORI RD

Sampled By: PJK/MET

Date Rec: 6/23/2020

Time Rec: 12:30 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	VS-1 @ 1.5'	6/17/2020		SOIL
2	VS-2 @ 1'	6/17/2020		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

Kirk L. Chase/Chemist
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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M20-3243
LOCATION: TUORI RD

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: VS-1 @ 1.5'GTA PROJECT NO: 062320-2
GTA SAMPLE NO: 1DATE SAMPLED: 6/17/2020
TIME SAMPLED:
DATE RECEIVED: 6/23/2020
TIME RECEIVED: 12:30 PM

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		6/17/2020	6/24/2020	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M20-3243
LOCATION: TUORI RD

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: VS-2 @ 1'

GTA PROJECT NO: 062320-2
GTA SAMPLE NO: 2

DATE SAMPLED: 6/17/2020
TIME SAMPLED:
DATE RECEIVED: 6/23/2020
TIME RECEIVED: 12:30 PM

SAMPLED BY: PJK/MET

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M20-3243
LOCATION: TUORI RD

GTA PROJECT NO: 062320-2

GTA SAMPLE NO: 1

DATE SAMPLED: 6/17/2020
TIME SAMPLED:SAMPLED BY: MI
PJK/METDATE RECEIVED: 6/23/2020
TIME RECEIVED: 12:30 PMSAMPLE MATRIX: SOIL
SAMPLE ID: VS-1 @ 1.5'**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	6/25/2020	6/28/2020	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

PROJECT NO: M20-3243
LOCATION: TUORI RD

GTA PROJECT NO: 062320-2

GTA SAMPLE NO: 2

DATE SAMPLED: 6/17/2020
TIME SAMPLED:SAMPLED BY: MI
PJK/METDATE RECEIVED: 6/23/2020
TIME RECEIVED: 12:30 PMSAMPLE MATRIX: SOIL
SAMPLE ID: VS-2 @ 1'**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>
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SAMPLE MATRIX: SOIL

DATE RECEIVED: 6/23/2020

TIME RECEIVED: 12:30 PM

MI

MOISTURE**No: Analysis**

SAMPLE ID: VS-1 @ 1.5'

% MOISTURE EPA 3550C

SAMPLE ID: VS-2 @ 1'

% MOISTURE EPA 3550C

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Complete</u>
33	0.050	% OF SAMPLE	AS	6/23/2020
32	0.050	% OF SAMPLE	AS	6/23/2020

