

**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: M20-3377
GTA ProjNo: 031121-2

Site Addr: LITTLE BLACK RIVER BRIDGE - NCT

Sampled By: ED RADECKI/MET
Date Rec: 3/11/2021
Time Rec: 12:42 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	SUPPORT	3/9/2021		WOOD
2	SIDE	3/9/2021		WOOD
3	DECK	3/9/2021		WOOD

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
NAME:
PROJECT NO: M20-3377
LOCATION: LITTLE BLACK RIVER BRIDGE - NCT

MI
SAMPLED BY: ED RADECKI/MET

GTA PROJECT NO: 031121-2
GTA SAMPLE NO: 1

DATE SAMPLED: 3/9/2021
TIME SAMPLED:

DATE RECEIVED: 3/11/2021
TIME RECEIVED: 12:42 PM

ORGANICS

<u>No:</u>	<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>
SAMPLE ID:	SUPPORT							
SAMPLE MATRIX: WOOD								
TOTAL CRESOL (p+m+o-Methly Phenol)		58,000	14,000	ug/Kg (PPB)	KC/TR	3/16/2021	3/19/2021	EPA 3550B
EPA 8270D								

**RESULTS ARE WET WEIGHT.

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

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NAME:
PROJECT NO: M20-3377
LOCATION: LITTLE BLACK RIVER BRIDGE - NCT

MI
SAMPLED BY: ED RADECKI/MET

GTA PROJECT NO: 031121-2
GTA SAMPLE NO: 2
DATE SAMPLED: 3/9/2021
TIME SAMPLED:
DATE RECEIVED: 3/11/2021
TIME RECEIVED: 12:42 PM

ORGANICS

<u>No:</u>	<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>
SAMPLE ID:	SIDE							
SAMPLE MATRIX:	WOOD							
TOTAL CRESOL (p+m+o-Methly Phenol)		45,000	10,000	ug/Kg (PPB)	KC/TR	3/16/2021	3/19/2021	EPA 3550B
EPA 8270D								

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COMPANY: MACKINAC ENVIRONMENTAL
NAME:
PROJECT NO: M20-3377
LOCATION: LITTLE BLACK RIVER BRIDGE - NCT

MI
SAMPLED BY: ED RADECKI/MET

GTA PROJECT NO: 031121-2
GTA SAMPLE NO: 3
DATE SAMPLED: 3/9/2021
TIME SAMPLED:
DATE RECEIVED: 3/11/2021
TIME RECEIVED: 12:42 PM

ORGANICS

<u>No:</u>	<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>
SAMPLE ID:	DECK							
SAMPLE MATRIX:	WOOD							
TOTAL CRESOL (p+m+o-Methly Phenol)		ND	2,200	ug/Kg (PPB)	KC/TR	3/16/2021	3/19/2021	EPA 3550B
EPA 8270D								

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COMPANY: MACKINAC ENVIRONMENTAL
PROJECT NO: M20-3377
LOCATION: LITTLE BLACK RIVER BRIDGE - NCT

SAMPLED BY: MI
ED RADECKI/MET

SAMPLE ID: SUPPORT

GTA PROJECT NO: 031121-2
GTA SAMPLE NO: 1

DATE SAMPLED: 3/9/2021
TIME SAMPLED:
DATE RECEIVED: 3/11/2021
TIME RECEIVED: 12:42 PM
SAMPLE MATRIX: WOOD

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	6.1	0.63	mg/Kg (PPM)	MR	3/17/2021	EPA 3050B
CHROMIUM TOTAL EPA 6020A	2.1	0.63	mg/Kg (PPM)	MR	3/17/2021	EPA 3050B
COPPER TOTAL EPA 6020A	12	0.63	mg/Kg (PPM)	MR	3/17/2021	EPA 3050B

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DISS = DISSOLVED

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COMPANY: MACKINAC ENVIRONMENTAL
PROJECT NO: M20-3377
LOCATION: LITTLE BLACK RIVER BRIDGE - NCT

SAMPLED BY: MI
ED RADECKI/MET

SAMPLE ID: SIDE

GTA PROJECT NO: 031121-2
GTA SAMPLE NO: 2

DATE SAMPLED: 3/9/2021
TIME SAMPLED:
DATE RECEIVED: 3/11/2021
TIME RECEIVED: 12:42 PM
SAMPLE MATRIX: WOOD

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	2.7	0.94	mg/Kg (PPM)	MR	3/17/2021	EPA 3050B
CHROMIUM TOTAL EPA 6020A	7.0	0.94	mg/Kg (PPM)	MR	3/17/2021	EPA 3050B
COPPER TOTAL EPA 6020A	18	0.94	mg/Kg (PPM)	MR	3/17/2021	EPA 3050B

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COMPANY: MACKINAC ENVIRONMENTAL
PROJECT NO: M20-3377
LOCATION: LITTLE BLACK RIVER BRIDGE - NCT
MI
SAMPLED BY: ED RADECKI/MET
SAMPLE ID: DECK

GTA PROJECT NO: 031121-2
GTA SAMPLE NO: 3
DATE SAMPLED: 3/9/2021
TIME SAMPLED:
DATE RECEIVED: 3/11/2021
TIME RECEIVED: 12:42 PM
SAMPLE MATRIX: WOOD

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	1,400	6.8	mg/Kg (PPM)	MR	3/17/2021	EPA 3050B
CHROMIUM TOTAL EPA 6020A	940	6.8	mg/Kg (PPM)	MR	3/17/2021	EPA 3050B
COPPER TOTAL EPA 6020A	790	6.8	mg/Kg (PPM)	MR	3/17/2021	EPA 3050B

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