

**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: M20-3289
GTA ProjNo: 070120-3

Site Addr: DRUMMOND ISLAND YACHT HAVEN

Sampled By: PJK/MET
Date Rec: 7/1/2020
Time Rec: 12:35 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	WS-1	6/30/2020		WATER
2	WS-2	6/30/2020		WATER
3	WS-3	6/30/2020		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

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COMPANY:	MACKINAC ENVIRONMENTAL	GTA PROJECT NO:	070120-3
PROJECT NO:	M20-3289	GTA SAMPLE NO:	1
LOCATION:	DRUMMOND ISLAND YACHT HAVEN	DATE SAMPLED:	6/30/2020
		TIME SAMPLED:	
		DATE RECEIVED:	7/1/2020
	MI	TIME RECEIVED:	12:35 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	WS-1	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	ND	1.0	ug/L (PPB)	MR		7/1/2020	EPA 5030B
Toluene	3.6	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	MACKINAC ENVIRONMENTAL	GTA PROJECT NO:	070120-3
PROJECT NO:	M20-3289	GTA SAMPLE NO:	2
LOCATION:	DRUMMOND ISLAND YACHT HAVEN	DATE SAMPLED:	6/30/2020
		TIME SAMPLED:	
	MI	DATE RECEIVED:	7/1/2020
		TIME RECEIVED:	12:35 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	WS-2	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	ND	1.0	ug/L (PPB)	MR		7/1/2020	EPA 5030B
Toluene	10	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY: MACKINAC ENVIRONMENTAL
PROJECT NO: M20-3289
LOCATION: DRUMMOND ISLAND YACHT HAVEN
MI
SAMPLE MATRIX: WATER
SAMPLE ID: WS-3

GTA PROJECT NO: 070120-3
GTA SAMPLE NO: 3
DATE SAMPLED: 6/30/2020
TIME SAMPLED:
DATE RECEIVED: 7/1/2020
TIME RECEIVED: 12:35 PM
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	1.2	1.0	ug/L (PPB)	MR		7/1/2020	EPA 5030B
Toluene	4.5	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	3.8	3.0					

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COMPANY: MACKINAC ENVIRONMENTAL
PROJECT NO: M20-3289
LOCATION: DRUMMOND ISLAND YACHT HAVEN

GTA PROJECT NO: 070120-3
GTA SAMPLE NO: 1

DATE SAMPLED: 6/30/2020
TIME SAMPLED:

SAMPLED BY: MI
PJK/MET

DATE RECEIVED: 7/1/2020
TIME RECEIVED: 12:35 PM

SAMPLE MATRIX: WATER
SAMPLE ID: WS-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>
Acenaphthene	ND	5.0	ug/L (PPB)	KC/TR	7/2/2020	7/6/2020	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					
2-Methylnaphthalene	ND	5.0					
Naphthalene	ND	5.0					
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: M20-3289
LOCATION: DRUMMOND ISLAND YACHT HAVEN

GTA PROJECT NO: 070120-3
GTA SAMPLE NO: 2

DATE SAMPLED: 6/30/2020
TIME SAMPLED:

SAMPLED BY: MI
PJK/MET

DATE RECEIVED: 7/1/2020
TIME RECEIVED: 12:35 PM

SAMPLE MATRIX: WATER
SAMPLE ID: WS-2

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	7/2/2020	7/6/2020	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	3.3	1.0					
Fluorene	ND	5.0					
Indeno(123-cd)pyrene	ND	2.0					
2-Methylnaphthalene	ND	5.0					
Naphthalene	ND	5.0					
Phenanthrene	9.5	2.0					
Pyrene	3.5	5.0					

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COMPANY: MACKINAC ENVIRONMENTAL
PROJECT NO: M20-3289
LOCATION: DRUMMOND ISLAND YACHT HAVEN

GTA PROJECT NO: 070120-3
GTA SAMPLE NO: 3

DATE SAMPLED: 6/30/2020
TIME SAMPLED:

SAMPLED BY: MI
PJK/MET

DATE RECEIVED: 7/1/2020
TIME RECEIVED: 12:35 PM

SAMPLE MATRIX: WATER
SAMPLE ID: WS-3

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	7/2/2020	7/6/2020	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					
2-Methylnaphthalene	ND	5.0					
Naphthalene	ND	5.0					
Phenanthrene	ND	2.0					
Pyrene	ND	5.0					

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