

**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: M20-3232
GTA ProjNo: 040320-1

Site Addr: JERRI'S

Sampled By: ER/MET

Date Rec: 4/2/2020

Time Rec: 11:40 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	1	4/3/2020		WATER
2	2	4/3/2020		WATER
3	3	4/3/2020		SOIL
4	4	4/3/2020		SOIL
5	5	4/3/2020		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
Grand Traverse Analytical
830 Robinwood Court
Traverse City, MI 49686
Ph: 231-929-0905
Fx: 231-929-0894
SP: 231-590-0291
kirk@gtanalytical.com

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COMPANY: MACKINAC ENVIRONMENTAL
PROJECT NO: M20-3232
LOCATION: JERRI'S
MI
SAMPLE MATRIX: WATER
SAMPLE ID: 1

GTA PROJECT NO: 040320-1
GTA SAMPLE NO: 1
DATE SAMPLED: 4/3/2020
TIME SAMPLED:
DATE RECEIVED: 4/2/2020
TIME RECEIVED: 11:40 AM
SAMPLED BY: ER/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		4/6/2020	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	4.0	3.0					
1,2,4-Trimethylbenzene	11	1.0					
1,3,5-Trimethylbenzene	5.0	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

COMPANY:	MACKINAC ENVIRONMENTAL	GTA PROJECT NO:	040320-1
PROJECT NO:	M20-3232	GTA SAMPLE NO:	2
LOCATION:	JERRI'S	DATE SAMPLED:	4/3/2020
		TIME SAMPLED:	
	MI	DATE RECEIVED:	4/2/2020
		TIME RECEIVED:	11:40 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	2	SAMPLED BY:	ER/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		4/6/2020	EPA 5030B
Toluene	2.2	1.0					
Ethylbenzene	36	1.0					
Xylene(Total)	360	75					
1,2,4-Trimethylbenzene	820	25					
1,3,5-Trimethylbenzene	370	25					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	210	25					
2-Methylnaphthalene	400	25					

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M20-3232

LOCATION: JERRI'S

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: 3

GTA PROJECT NO: 040320-1

GTA SAMPLE NO: 3

DATE SAMPLED: 4/3/2020

TIME SAMPLED:

DATE RECEIVED: 4/2/2020

TIME RECEIVED: 11:40 AM

SAMPLED BY: ER/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		4/2/2020	4/6/2020	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					

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M20-3232

LOCATION: JERRI'S

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: 4

GTA PROJECT NO: 040320-1

GTA SAMPLE NO: 4

DATE SAMPLED: 4/3/2020

TIME SAMPLED:

DATE RECEIVED: 4/2/2020

TIME RECEIVED: 11:40 AM

SAMPLED BY: ER/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		4/2/2020	4/6/2020	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					

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LOD = LIMIT OF DETECTION

COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M20-3232

LOCATION: JERRI'S

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: 5

GTA PROJECT NO: 040320-1

GTA SAMPLE NO: 5

DATE SAMPLED: 4/3/2020

TIME SAMPLED:

DATE RECEIVED: 4/2/2020

TIME RECEIVED: 11:40 AM

SAMPLED BY: ER/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	4/2/2020	4/6/2020	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					

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M20-3232

LOCATION: JERRI'S

GTA PROJECT NO: 040320-1

GTA SAMPLE NO: 1

DATE SAMPLED: 4/3/2020

TIME SAMPLED:

SAMPLED BY: MI
ER/MET

DATE RECEIVED: 4/2/2020

TIME RECEIVED: 11:40 AM

SAMPLE MATRIX: WATER

SAMPLE ID: 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	4/6/2020	4/7/2020	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					
Phenanthrene	ND	2.0					
Pyrene	ND	5.0					

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

ND = NOT DETECTED, RESULT IS <LOD.

LOD = LIMIT OF DETECTION.

COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M20-3232

LOCATION: JERRI'S

SAMPLED BY: MI
ER/MET

SAMPLE MATRIX: WATER
SAMPLE ID: 2

GTA PROJECT NO: 040320-1

GTA SAMPLE NO: 2

DATE SAMPLED: 4/3/2020

TIME SAMPLED:

DATE RECEIVED: 4/2/2020

TIME RECEIVED: 11:40 AM

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	4/6/2020	4/7/2020	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					
Phenanthrene	5.2	2.0					
Pyrene	ND	5.0					

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M20-3232

LOCATION: JERRI'S

GTA PROJECT NO: 040320-1

GTA SAMPLE NO: 3

DATE SAMPLED: 4/3/2020

TIME SAMPLED:

SAMPLED BY: MI
ER/MET

DATE RECEIVED: 4/2/2020

TIME RECEIVED: 11:40 AM

SAMPLE MATRIX: SOIL

SAMPLE ID: 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	330	ug/Kg (PPB)	KC/TR	4/6/2020	4/7/2020	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: M20-3232

LOCATION: JERRI'S

SAMPLED BY: MI
ER/MET

SAMPLE MATRIX: SOIL
SAMPLE ID: 4

GTA PROJECT NO: 040320-1

GTA SAMPLE NO: 4

DATE SAMPLED: 4/3/2020

TIME SAMPLED:

DATE RECEIVED: 4/2/2020

TIME RECEIVED: 11:40 AM

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	4/6/2020	4/7/2020	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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LOD = LIMIT OF DETECTION.

COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M20-3232

LOCATION: JERRI'S

SAMPLED BY: MI
ER/MET

SAMPLE MATRIX: SOIL
SAMPLE ID: 5

GTA PROJECT NO: 040320-1

GTA SAMPLE NO: 5

DATE SAMPLED: 4/3/2020

TIME SAMPLED:

DATE RECEIVED: 4/2/2020

TIME RECEIVED: 11:40 AM

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	4/6/2020	4/7/2020	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					

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

ND = NOT DETECTED, RESULT IS <LOD.

LOD = LIMIT OF DETECTION.

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PROJECT NUMBER M20-3232	SITE NAME/ADDRESS Gentry Jerri's	COMPANY/NAME MET
SAMPLED BY RADECK	COMPANY MET	GTA PROJECT # 040320-1

[illegible]

BILL TO: MACHINE ENVIRONMENTAL TECH. (MET)

REPORT TO: *MET)*

RELEASED BY	DATE/TIME

RECEIVED BY DATE/TIME

E/1/1/1/1 08-02-20

KDR 4/2/20 11:40am

REQUESTED TAT ☒ **STANDARD** ☐ **1 BUSINESS DAY** ☐ **2 BUSINESS DAYS** ☐ **3 BUSINESS DAYS**