

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

[www.gtanalytical.com](http://www.gtanalytical.com)

Company: MACKINAC ENVIRONMENTAL  
Name:  
ClientProj: M93-237  
GTA ProjNo: 072321-6

Site Addr: PARADISE CCRC

Sampled By: MJR/SLR - MET  
Date Rec: 7/23/2021  
Time Rec: 11:55 AM

| Sample No. | Sample ID | Date Sampled | Time Sampled | Sample Matrix |
|------------|-----------|--------------|--------------|---------------|
| 1          | MW-16A    | 7/21/2021    | 12:32 PM     | WATER         |
| 2          | MW-12     | 7/21/2021    | 1:04 PM      | WATER         |
| 3          | MW-13     | 7/21/2021    | 2:08 PM      | WATER         |
| 4          | MW-9      | 7/21/2021    | 3:45 PM      | WATER         |
| 5          | MW-4      | 7/21/2021    | 4:50 PM      | WATER         |
| 6          | MW-15A    | 7/22/2021    | 8:52 AM      | 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  
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](mailto:kirk@gtanalytical.com)

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-237

LOCATION: PARADISE CCRC

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-16A

GTA PROJECT NO: 072321-6

GTA SAMPLE NO: 1

DATE SAMPLED: 7/21/2021

TIME SAMPLED: 12:32 PM

DATE RECEIVED: 7/23/2021

TIME RECEIVED: 11:55 AM

SAMPLED BY: MJR/SLR - MET

**EPA 8260B VOLATILE ORGANICS**

| <u>Analysis</u>        | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date</u><br><u>Extracted</u> | <u>Date</u><br><u>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------------|--------------------------------|--------------------|
| Benzene                | ND                   | 1.0        | ug/L (PPB)   | MR             |                                 | 7/25/2021                      | EPA 5030B          |
| Toluene                | ND                   | 1.0        |              |                |                                 |                                |                    |
| Ethylbenzene           | ND                   | 1.0        |              |                |                                 |                                |                    |
| Xylene(Total)          | ND                   | 3.0        |              |                |                                 |                                |                    |
| 1,2,4-Trimethylbenzene | ND                   | 1.0        |              |                |                                 |                                |                    |
| 1,3,5-Trimethylbenzene | ND                   | 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 &lt; LOD

LOD = LIMIT OF DETECTION

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-237

LOCATION: PARADISE CCRC

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-12

GTA PROJECT NO: 072321-6

GTA SAMPLE NO: 2

DATE SAMPLED: 7/21/2021

TIME SAMPLED: 1:04 PM

DATE RECEIVED: 7/23/2021

TIME RECEIVED: 11:55 AM

SAMPLED BY: MJR/SLR - MET

**EPA 8260B VOLATILE ORGANICS**

| <u>Analysis</u>        | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date</u><br><u>Extracted</u> | <u>Date</u><br><u>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------------|--------------------------------|--------------------|
| Benzene                | ND                   | 1.0        | ug/L (PPB)   | MR             |                                 | 7/25/2021                      | EPA 5030B          |
| Toluene                | ND                   | 1.0        |              |                |                                 |                                |                    |
| Ethylbenzene           | ND                   | 1.0        |              |                |                                 |                                |                    |
| Xylene(Total)          | ND                   | 3.0        |              |                |                                 |                                |                    |
| 1,2,4-Trimethylbenzene | 54                   | 1.0        |              |                |                                 |                                |                    |
| 1,3,5-Trimethylbenzene | 20                   | 1.0        |              |                |                                 |                                |                    |
| Methyl-t-Butyl Ether   | ND                   | 5.0        |              |                |                                 |                                |                    |
| Naphthalene            | ND                   | 5.0        |              |                |                                 |                                |                    |
| 2-Methylnaphthalene    | 47                   | 5.0        |              |                |                                 |                                |                    |

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-237

LOCATION: PARADISE CCRC

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-13

GTA PROJECT NO: 072321-6

GTA SAMPLE NO: 3

DATE SAMPLED: 7/21/2021

TIME SAMPLED: 2:08 PM

DATE RECEIVED: 7/23/2021

TIME RECEIVED: 11:55 AM

SAMPLED BY: MJR/SLR - MET

**EPA 8260B VOLATILE ORGANICS**

| <u>Analysis</u>        | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date</u><br><u>Extracted</u> | <u>Date</u><br><u>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------------|--------------------------------|--------------------|
| Benzene                | ND                   | 1.0        | ug/L (PPB)   | MR             |                                 | 7/25/2021                      | EPA 5030B          |
| Toluene                | ND                   | 1.0        |              |                |                                 |                                |                    |
| Ethylbenzene           | ND                   | 1.0        |              |                |                                 |                                |                    |
| Xylene(Total)          | ND                   | 3.0        |              |                |                                 |                                |                    |
| 1,2,4-Trimethylbenzene | ND                   | 1.0        |              |                |                                 |                                |                    |
| 1,3,5-Trimethylbenzene | ND                   | 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.

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COMPANY: MACKINAC ENVIRONMENTAL  
PROJECT NO: M93-237  
LOCATION: PARADISE CCRC  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-9

GTA PROJECT NO: 072321-6  
GTA SAMPLE NO: 4  
DATE SAMPLED: 7/21/2021  
TIME SAMPLED: 3:45 PM  
DATE RECEIVED: 7/23/2021  
TIME RECEIVED: 11:55 AM  
SAMPLED BY: MJR/SLR - MET

**EPA 8260B VOLATILE ORGANICS**

| <u>Analysis</u>        | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date<br/>Extracted</u> | <u>Date<br/>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------|--------------------------|--------------------|
| Benzene                | 1.1                  | 1.0        | ug/L (PPB)   | MR             |                           | 7/25/2021                | EPA 5030B          |
| Toluene                | ND                   | 1.0        |              |                |                           |                          |                    |
| Ethylbenzene           | ND                   | 1.0        |              |                |                           |                          |                    |
| Xylene(Total)          | ND                   | 3.0        |              |                |                           |                          |                    |
| 1,2,4-Trimethylbenzene | 1.9                  | 1.0        |              |                |                           |                          |                    |
| 1,3,5-Trimethylbenzene | ND                   | 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.  
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COMPANY: MACKINAC ENVIRONMENTAL  
PROJECT NO: M93-237  
LOCATION: PARADISE CCRC  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-4

GTA PROJECT NO: 072321-6  
GTA SAMPLE NO: 5  
DATE SAMPLED: 7/21/2021  
TIME SAMPLED: 4:50 PM  
DATE RECEIVED: 7/23/2021  
TIME RECEIVED: 11:55 AM  
SAMPLED BY: MJR/SLR - MET

**EPA 8260B VOLATILE ORGANICS**

| <u>Analysis</u>        | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date<br/>Extracted</u> | <u>Date<br/>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------|--------------------------|--------------------|
| Benzene                | ND                   | 1.0        | ug/L (PPB)   | MR             |                           | 7/25/2021                | EPA 5030B          |
| Toluene                | ND                   | 1.0        |              |                |                           |                          |                    |
| Ethylbenzene           | ND                   | 1.0        |              |                |                           |                          |                    |
| Xylene(Total)          | ND                   | 3.0        |              |                |                           |                          |                    |
| 1,2,4-Trimethylbenzene | ND                   | 1.0        |              |                |                           |                          |                    |
| 1,3,5-Trimethylbenzene | ND                   | 1.0        |              |                |                           |                          |                    |
| Methyl-t-Butyl Ether   | ND                   | 5.0        |              |                |                           |                          |                    |
| Naphthalene            | ND                   | 5.0        |              |                |                           |                          |                    |
| 2-Methylnaphthalene    | ND                   | 5.0        |              |                |                           |                          |                    |

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-237

LOCATION: PARADISE CCRC

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-15A

GTA PROJECT NO: 072321-6

GTA SAMPLE NO: 6

DATE SAMPLED: 7/22/2021

TIME SAMPLED: 8:52 AM

DATE RECEIVED: 7/23/2021

TIME RECEIVED: 11:55 AM

SAMPLED BY: MJR/SLR - MET

**EPA 8260B VOLATILE ORGANICS**

| <u>Analysis</u>        | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date</u><br><u>Extracted</u> | <u>Date</u><br><u>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------------|--------------------------------|--------------------|
| Benzene                | ND                   | 1.0        | ug/L (PPB)   | MR             |                                 | 7/25/2021                      | EPA 5030B          |
| Toluene                | ND                   | 1.0        |              |                |                                 |                                |                    |
| Ethylbenzene           | ND                   | 1.0        |              |                |                                 |                                |                    |
| Xylene(Total)          | ND                   | 3.0        |              |                |                                 |                                |                    |
| 1,2,4-Trimethylbenzene | ND                   | 1.0        |              |                |                                 |                                |                    |
| 1,3,5-Trimethylbenzene | ND                   | 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.

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-237  
LOCATION: PARADISE CCRC

GTA PROJECT NO: 072321-6

GTA SAMPLE NO: 1

DATE SAMPLED: 7/21/2021  
TIME SAMPLED: 12:32 PMSAMPLED BY: MI  
MJR/SLR - METDATE RECEIVED: 7/23/2021  
TIME RECEIVED: 11:55 AMSAMPLE MATRIX: WATER  
SAMPLE ID: MW-16A**PNA EPA 8270D (SIM)**

| <u>Analysis</u>      | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date</u><br><u>Extracted</u> | <u>Date</u><br><u>Complete</u> | <u>Prep Method</u> |
|----------------------|----------------------|------------|--------------|----------------|---------------------------------|--------------------------------|--------------------|
| Acenaphthene         | ND                   | 5.0        | ug/L (PPB)   | KC/TR          | 7/27/2021                       | 7/29/2021                      | 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.  
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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-237  
LOCATION: PARADISE CCRC

GTA PROJECT NO: 072321-6

GTA SAMPLE NO: 2

DATE SAMPLED: 7/21/2021  
TIME SAMPLED: 1:04 PMSAMPLED BY: MI  
MJR/SLR - METDATE RECEIVED: 7/23/2021  
TIME RECEIVED: 11:55 AMSAMPLE MATRIX: WATER  
SAMPLE ID: MW-12**PNA EPA 8270D (SIM)**

| <u>Analysis</u>      | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date</u><br><u>Extracted</u> | <u>Date</u><br><u>Complete</u> | <u>Prep Method</u> |
|----------------------|----------------------|------------|--------------|----------------|---------------------------------|--------------------------------|--------------------|
| Acenaphthene         | ND                   | 5.0        | ug/L (PPB)   | KC/TR          | 7/27/2021                       | 7/29/2021                      | 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        |              |                |                                 |                                |                    |

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-237  
LOCATION: PARADISE CCRC

SAMPLED BY: MI  
MJR/SLR - MET

SAMPLE MATRIX: WATER  
SAMPLE ID: MW-13

GTA PROJECT NO: 072321-6  
GTA SAMPLE NO: 3

DATE SAMPLED: 7/21/2021  
TIME SAMPLED: 2:08 PM

DATE RECEIVED: 7/23/2021  
TIME RECEIVED: 11:55 AM

**PNA EPA 8270D (SIM)**

| <u>Analysis</u>      | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date</u><br><u>Extracted</u> | <u>Date</u><br><u>Complete</u> | <u>Prep Method</u> |
|----------------------|----------------------|------------|--------------|----------------|---------------------------------|--------------------------------|--------------------|
| Acenaphthene         | ND                   | 5.0        | ug/L (PPB)   | KC/TR          | 7/28/2021                       | 7/29/2021                      | 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        |              |                |                                 |                                |                    |

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-237  
LOCATION: PARADISE CCRC

GTA PROJECT NO: 072321-6

GTA SAMPLE NO: 4

DATE SAMPLED: 7/21/2021  
TIME SAMPLED: 3:45 PMSAMPLED BY: MI  
MJR/SLR - METDATE RECEIVED: 7/23/2021  
TIME RECEIVED: 11:55 AMSAMPLE MATRIX: WATER  
SAMPLE ID: MW-9**PNA EPA 8270D (SIM)**

| <u>Analysis</u>      | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date</u><br><u>Extracted</u> | <u>Date</u><br><u>Complete</u> | <u>Prep Method</u> |
|----------------------|----------------------|------------|--------------|----------------|---------------------------------|--------------------------------|--------------------|
| Acenaphthene         | ND                   | 5.0        | ug/L (PPB)   | KC/TR          | 7/28/2021                       | 7/29/2021                      | 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 &lt;LOD.

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-237  
LOCATION: PARADISE CCRC

SAMPLED BY: MI  
MJR/SLR - MET

SAMPLE MATRIX: WATER  
SAMPLE ID: MW-4

GTA PROJECT NO: 072321-6  
GTA SAMPLE NO: 5

DATE SAMPLED: 7/21/2021  
TIME SAMPLED: 4:50 PM

DATE RECEIVED: 7/23/2021  
TIME RECEIVED: 11:55 AM

**PNA EPA 8270D (SIM)**

| <u>Analysis</u>      | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date</u><br><u>Extracted</u> | <u>Date</u><br><u>Complete</u> | <u>Prep Method</u> |
|----------------------|----------------------|------------|--------------|----------------|---------------------------------|--------------------------------|--------------------|
| Acenaphthene         | ND                   | 5.0        | ug/L (PPB)   | KC/TR          | 7/28/2021                       | 7/29/2021                      | 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: M93-237  
LOCATION: PARADISE CCRC

SAMPLED BY: MI  
MJR/SLR - MET

SAMPLE MATRIX: WATER  
SAMPLE ID: MW-15A

GTA PROJECT NO: 072321-6  
GTA SAMPLE NO: 6

DATE SAMPLED: 7/22/2021  
TIME SAMPLED: 8:52 AM

DATE RECEIVED: 7/23/2021  
TIME RECEIVED: 11:55 AM

**PNA EPA 8270D (SIM)**

| <u>Analysis</u>      | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date</u><br><u>Extracted</u> | <u>Date</u><br><u>Complete</u> | <u>Prep Method</u> |
|----------------------|----------------------|------------|--------------|----------------|---------------------------------|--------------------------------|--------------------|
| Acenaphthene         | ND                   | 5.0        | ug/L (PPB)   | KC/TR          | 7/28/2021                       | 7/29/2021                      | 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.  
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**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: MACKINAC ENVIRONMENTAL

GTA PROJECT NO: 072321-

GTA SAMPLE NO: 1

PROJECT NO: M93-237

LOCATION: PARADISE CCRC

DATE SAMPLED: 7/21/2021

TIME SAMPLED: 12:32 PM

DATE RECEIVED: 7/23/2021

TIME RECEIVED: 11:55 AM

SAMPLED BY: MI  
MJR/SLR - MET

SAMPLE MATRIX: WATER

**METALS**

| <u>No:</u>        | <u>Analysis</u>      | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date Completed</u> | <u>Digestion Method</u> |
|-------------------|----------------------|----------------------|------------|--------------|----------------|-----------------------|-------------------------|
| SAMPLE ID: MW-16A |                      |                      |            |              |                |                       |                         |
| 1                 | LEAD TOTAL EPA 6020A | ND                   | 0.0010     | mg/L (PPM)   | MR             | 7/28/2021             | EPA 3005A               |

ND = NOT DETECTED, RESULT &lt; LOD.

LOD = LIMIT OF DETECTION

DISS = DISSOLVED

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COMPANY: MACKINAC ENVIRONMENTAL

GTA PROJECT NO: 072321-

PROJECT NO: M93-237

GTA SAMPLE NO: 2

LOCATION: PARADISE CCRC

DATE SAMPLED: 7/21/2021

TIME SAMPLED: 1:04 PM

SAMPLED BY: MI  
MJR/SLR - MET

DATE RECEIVED: 7/23/2021

TIME RECEIVED: 11:55 AM

SAMPLE MATRIX: WATER

**METALS**

| <u>No:</u>       | <u>Analysis</u>      | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date Completed</u> | <u>Digestion Method</u> |
|------------------|----------------------|----------------------|------------|--------------|----------------|-----------------------|-------------------------|
| SAMPLE ID: MW-12 |                      |                      |            |              |                |                       |                         |
| 2                | LEAD TOTAL EPA 6020A | 0.0062               | 0.0010     | mg/L (PPM)   | MR             | 7/28/2021             | EPA 3005A               |

ND = NOT DETECTED, RESULT &lt; LOD.

LOD = LIMIT OF DETECTION

DISS = DISSOLVED

COMPANY: MACKINAC ENVIRONMENTAL

GTA PROJECT NO: 072321-

GTA SAMPLE NO: 3

PROJECT NO: M93-237

LOCATION: PARADISE CCRC

DATE SAMPLED: 7/21/2021

TIME SAMPLED: 2:08 PM

DATE RECEIVED: 7/23/2021

TIME RECEIVED: 11:55 AM

SAMPLED BY: MI  
MJR/SLR - MET

SAMPLE MATRIX: WATER

**METALS**

| <u>No:</u>       | <u>Analysis</u>      | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date Completed</u> | <u>Digestion Method</u> |
|------------------|----------------------|----------------------|------------|--------------|----------------|-----------------------|-------------------------|
| SAMPLE ID: MW-13 |                      |                      |            |              |                |                       |                         |
| 3                | LEAD TOTAL EPA 6020A | ND                   | 0.0010     | mg/L (PPM)   | MR             | 7/28/2021             | EPA 3005A               |

ND = NOT DETECTED, RESULT < LOD.

LOD = LIMIT OF DETECTION

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

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COMPANY: MACKINAC ENVIRONMENTAL

GTA PROJECT NO: 072321-

GTA SAMPLE NO: 4

PROJECT NO: M93-237

LOCATION: PARADISE CCRC

DATE SAMPLED: 7/21/2021

TIME SAMPLED: 3:45 PM

DATE RECEIVED: 7/23/2021

TIME RECEIVED: 11:55 AM

SAMPLED BY: MI  
MJR/SLR - MET

SAMPLE MATRIX: WATER

**METALS**

| <u>No:</u>      | <u>Analysis</u>      | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date Completed</u> | <u>Digestion Method</u> |
|-----------------|----------------------|----------------------|------------|--------------|----------------|-----------------------|-------------------------|
| SAMPLE ID: MW-9 |                      |                      |            |              |                |                       |                         |
| 4               | LEAD TOTAL EPA 6020A | 0.013                | 0.0010     | mg/L (PPM)   | MR             | 7/28/2021             | EPA 3005A               |

ND = NOT DETECTED, RESULT &lt; LOD.

LOD = LIMIT OF DETECTION

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

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PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: MACKINAC ENVIRONMENTAL

GTA PROJECT NO: 072321-

GTA SAMPLE NO: 5

PROJECT NO: M93-237

LOCATION: PARADISE CCRC

DATE SAMPLED: 7/21/2021

TIME SAMPLED: 4:50 PM

DATE RECEIVED: 7/23/2021

TIME RECEIVED: 11:55 AM

SAMPLED BY: MI  
MJR/SLR - MET

SAMPLE MATRIX: WATER

**METALS**

| <u>No:</u>      | <u>Analysis</u>      | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date Completed</u> | <u>Digestion Method</u> |
|-----------------|----------------------|----------------------|------------|--------------|----------------|-----------------------|-------------------------|
| SAMPLE ID: MW-4 |                      |                      |            |              |                |                       |                         |
| 5               | LEAD TOTAL EPA 6020A | 0.0012               | 0.0010     | mg/L (PPM)   | MR             | 7/28/2021             | EPA 3005A               |

ND = NOT DETECTED, RESULT &lt; LOD.

LOD = LIMIT OF DETECTION

DISS = DISSOLVED

COMPANY: MACKINAC ENVIRONMENTAL

GTA PROJECT NO: 072321-

GTA SAMPLE NO: 6

PROJECT NO: M93-237

LOCATION: PARADISE CCRC

DATE SAMPLED: 7/22/2021

TIME SAMPLED: 8:52 AM

DATE RECEIVED: 7/23/2021

TIME RECEIVED: 11:55 AM

SAMPLED BY: MI  
MJR/SLR - MET

SAMPLE MATRIX: WATER

**METALS**

| <u>No:</u>        | <u>Analysis</u>      | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date Completed</u> | <u>Digestion Method</u> |
|-------------------|----------------------|----------------------|------------|--------------|----------------|-----------------------|-------------------------|
| SAMPLE ID: MW-15A |                      |                      |            |              |                |                       |                         |
| 6                 | LEAD TOTAL EPA 6020A | 0.0058               | 0.0010     | mg/L (PPM)   | MR             | 7/28/2021             | EPA 3005A               |

ND = NOT DETECTED, RESULT < LOD.

LOD = LIMIT OF DETECTION

DISS = DISSOLVED

