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**INDEPENDENT TESTING LAB**

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830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

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PH: 231-929-0905

FAX: 231-929-0894

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

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Company: LAMBDA ENERGY RESOURCES, LLC

Name:

ClientProj: 2018100120

GTA ProjNo: 121223-16

Site Addr: MAPLE GROVE 16

Sampled By: BRENDAN RUPPEN/GCES

Date Rec: 12/12/2023

Time Rec: 4:40 PM

| Sample No. | Sample ID | Date Sampled | Time Sampled | Sample Matrix |
|------------|-----------|--------------|--------------|---------------|
| 1          | MW-33     | 12/12/2023   | 12:00 PM     | WATER         |
| 2          | MW-17     | 12/12/2023   | 12:42 PM     | WATER         |
| 3          | MW-29     | 12/12/2023   | 1:42 PM      | WATER         |
| 4          | MW-10     | 12/12/2023   | 1:13 PM      | 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  
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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
PROJECT NO: 2018100120  
LOCATION: MAPLE GROVE 16  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-33

GTA PROJECT NO: 121223-16  
GTA SAMPLE NO: 1  
DATE SAMPLED: 12/12/2023  
TIME SAMPLED: 12:00 PM  
DATE RECEIVED: 12/12/2023  
TIME RECEIVED: 4:40 PM  
SAMPLED BY: BRENDAN RUPPEN/GCES

**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/>Completed</u> | <u>Prep Method</u> |
|-----------------|----------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------------|
| Benzene         | ND                   | 1.0        | ug/L (PPB)   | MR             |                           | 12/14/2023                | EPA 5030B          |
| Toluene         | ND                   | 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

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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
PROJECT NO: 2018100120  
LOCATION: MAPLE GROVE 16  
MI  
SAMPLED BY: BRENDAN RUPPEN/GCES

GTA PROJECT NO: 121223-16  
GTA SAMPLE NO: 1  
DATE SAMPLED: 12/12/2023  
TIME SAMPLED: 12:00 PM  
DATE RECEIVED: 12/12/2023  
TIME RECEIVED: 4:40 PM

**SAMPLE ANALYSIS**

| <u>No:</u> | <u>Analysis</u>       | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date Completed</u> | <u>Sample Matrix</u> |
|------------|-----------------------|----------------------|------------|--------------|----------------|-----------------------|----------------------|
|            | SAMPLE ID: MW-33      |                      |            |              |                |                       |                      |
|            | CHLORIDE EPA 300.0    | ND                   | 10         | mg/L (PPM)   | KC/TR          | 12/18/2023            | WATER                |
|            | CONDUCTIVITY SM2510-B | 95                   | 1.0        | uS/cm@25C    | TR             | 12/17/2023            | WATER                |

ND = NOT DETECTED, RESULT < LOD  
LOD = LIMIT OF DETECTION  
s.u. = STANDARD pH UNITS REPORTED AT 25 C  
DISS = DISSOLVED

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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
PROJECT NO: 2018100120  
LOCATION: MAPLE GROVE 16  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-17

GTA PROJECT NO: 121223-16  
GTA SAMPLE NO: 2  
DATE SAMPLED: 12/12/2023  
TIME SAMPLED: 12:42 PM  
DATE RECEIVED: 12/12/2023  
TIME RECEIVED: 4:40 PM  
SAMPLED BY: BRENDAN RUPPEN/GCES

**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/>Completed</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------------|
| Benzene                | ND                   | 1.0        | ug/L (PPB)   | MR             |                           | 12/14/2023                | EPA 5030B          |
| Toluene                | ND                   | 1.0        |              |                |                           |                           |                    |
| Ethylbenzene           | ND                   | 1.0        |              |                |                           |                           |                    |
| Xylene(Total)          | ND                   | 3.0        |              |                |                           |                           |                    |
| 1,2,4-Trimethylbenzene | 3.8                  | 1.0        |              |                |                           |                           |                    |
| 1,3,5-Trimethylbenzene | 2.3                  | 1.0        |              |                |                           |                           |                    |
| Naphthalene            | ND                   | 5.0        |              |                |                           |                           |                    |
| 2-Methylnaphthalene    | ND                   | 5.0        |              |                |                           |                           |                    |

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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
PROJECT NO: 2018100120  
LOCATION: MAPLE GROVE 16  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-29

GTA PROJECT NO: 121223-16  
GTA SAMPLE NO: 3  
DATE SAMPLED: 12/12/2023  
TIME SAMPLED: 1:42 PM  
DATE RECEIVED: 12/12/2023  
TIME RECEIVED: 4:40 PM  
SAMPLED BY: BRENDAN RUPPEN/GCES

**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>Completed</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------------|---------------------------------|--------------------|
| Benzene                | ND                   | 1.0        | ug/L (PPB)   | MR             |                                 | 12/14/2023                      | EPA 5030B          |
| Toluene                | ND                   | 1.0        |              |                |                                 |                                 |                    |
| Ethylbenzene           | ND                   | 1.0        |              |                |                                 |                                 |                    |
| Xylene(Total)          | 99                   | 3.0        |              |                |                                 |                                 |                    |
| 1,2,4-Trimethylbenzene | 81                   | 5.0        |              |                |                                 |                                 |                    |
| 1,3,5-Trimethylbenzene | 67                   | 5.0        |              |                |                                 |                                 |                    |
| Naphthalene            | ND                   | 5.0        |              |                |                                 |                                 |                    |
| 2-Methylnaphthalene    | ND                   | 5.0        |              |                |                                 |                                 |                    |

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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
PROJECT NO: 2018100120  
LOCATION: MAPLE GROVE 16  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-10  
GTA PROJECT NO: 121223-16  
GTA SAMPLE NO: 4  
DATE SAMPLED: 12/12/2023  
TIME SAMPLED: 1:13 PM  
DATE RECEIVED: 12/12/2023  
TIME RECEIVED: 4:40 PM  
SAMPLED BY: BRENDAN RUPPEN/GCES

**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>Completed</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------------|---------------------------------|--------------------|
| Benzene                | ND                   | 1.0        | ug/L (PPB)   | MR             |                                 | 12/14/2023                      | EPA 5030B          |
| Toluene                | ND                   | 1.0        |              |                |                                 |                                 |                    |
| Ethylbenzene           | ND                   | 1.0        |              |                |                                 |                                 |                    |
| Xylene(Total)          | ND                   | 3.0        |              |                |                                 |                                 |                    |
| 1,2,4-Trimethylbenzene | 40                   | 1.0        |              |                |                                 |                                 |                    |
| 1,3,5-Trimethylbenzene | 35                   | 1.0        |              |                |                                 |                                 |                    |
| Naphthalene            | ND                   | 5.0        |              |                |                                 |                                 |                    |
| 2-Methylnaphthalene    | ND                   | 5.0        |              |                |                                 |                                 |                    |

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LOD = LIMIT OF DETECTION

