



**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: LAMBDA ENERGY RESOURCES, LLC  
Name:  
ClientProj:

Site Addr: PARADISE 19

GTA ProjNo: 102722-9

Sampled By: NICK SUMMERLAND/LER  
Date Rec: 10/27/2022  
Time Rec: 1:10 PM

| Sample No. | Sample ID    | Date Sampled | Time Sampled | Sample Matrix |
|------------|--------------|--------------|--------------|---------------|
| 1          | SW-W         | 10/27/2022   | 10:20 AM     | SOIL          |
| 2          | SW-S         | 10/27/2022   | 10:25 AM     | SOIL          |
| 3          | SW-N         | 10/27/2022   | 10:28 AM     | SOIL          |
| 4          | SW-E         | 10/27/2022   | 10:32 AM     | SOIL          |
| 5          | FL-1 @ 10'   | 10/27/2022   | 10:37 AM     | SOIL          |
| 6          | HA-1 @ 16.5' | 10/27/2022   | 10:46 AM     | 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  
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|                |                              |                 |                     |
|----------------|------------------------------|-----------------|---------------------|
| COMPANY:       | LAMBDA ENERGY RESOURCES, LLC | GTA PROJECT NO: | 102722-9            |
| PROJECT NO:    |                              | GTA SAMPLE NO:  | 2                   |
| LOCATION:      | PARADISE 19                  | DATE SAMPLED:   | 10/27/2022          |
|                |                              | TIME SAMPLED:   | 10:25 AM            |
|                | MI                           | DATE RECEIVED:  | 10/27/2022          |
| SAMPLE MATRIX: | SOIL                         | TIME RECEIVED:  | 1:10 PM             |
| SAMPLE ID:     | SW-S                         | SAMPLED BY:     | NICK SUMMERLAND/LER |

\*\*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><br><u>Extracted</u> | <u>Date</u><br><u>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------------|--------------------------------|--------------------|
| Benzene                | ND                   | 50         | ug/Kg (PPB)  | MR             | 10/27/2022                      | 10/31/2022                     | EPA 5035A          |
| Toluene                | ND                   | 50         |              |                |                                 |                                |                    |
| Ethylbenzene           | ND                   | 50         |              |                |                                 |                                |                    |
| Xylene(Total)          | ND                   | 150        |              |                |                                 |                                |                    |
| 1,2,4-Trimethylbenzene | ND                   | 50         |              |                |                                 |                                |                    |
| 1,3,5-Trimethylbenzene | ND                   | 50         |              |                |                                 |                                |                    |
| Naphthalene            | ND                   | 250        |              |                |                                 |                                |                    |
| 2-Methylnaphthalene    | ND                   | 250        |              |                |                                 |                                |                    |

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 | GTA PROJECT NO: | 102722-9            |
| PROJECT NO:    |                              | GTA SAMPLE NO:  | 3                   |
| LOCATION:      | PARADISE 19                  | DATE SAMPLED:   | 10/27/2022          |
|                |                              | TIME SAMPLED:   | 10:28 AM            |
|                | MI                           | DATE RECEIVED:  | 10/27/2022          |
| SAMPLE MATRIX: | SOIL                         | TIME RECEIVED:  | 1:10 PM             |
| SAMPLE ID:     | SW-N                         | SAMPLED BY:     | NICK SUMMERLAND/LER |

\*\*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><br><u>Extracted</u> | <u>Date</u><br><u>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------------|--------------------------------|--------------------|
| Benzene                | ND                   | 50         | ug/Kg (PPB)  | MR             | 10/27/2022                      | 10/31/2022                     | EPA 5035A          |
| Toluene                | ND                   | 50         |              |                |                                 |                                |                    |
| Ethylbenzene           | ND                   | 50         |              |                |                                 |                                |                    |
| Xylene(Total)          | ND                   | 150        |              |                |                                 |                                |                    |
| 1,2,4-Trimethylbenzene | ND                   | 50         |              |                |                                 |                                |                    |
| 1,3,5-Trimethylbenzene | ND                   | 50         |              |                |                                 |                                |                    |
| Naphthalene            | ND                   | 250        |              |                |                                 |                                |                    |
| 2-Methylnaphthalene    | ND                   | 250        |              |                |                                 |                                |                    |

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
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 LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC  
PROJECT NO:  
LOCATION: PARADISE 19  
MI  
SAMPLE MATRIX: SOIL  
SAMPLE ID: SW-E

GTA PROJECT NO: 102722-9  
GTA SAMPLE NO: 4  
DATE SAMPLED: 10/27/2022  
TIME SAMPLED: 10:32 AM  
DATE RECEIVED: 10/27/2022  
TIME RECEIVED: 1:10 PM

SAMPLED BY: NICK SUMMERLAND/LER  
\*\*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><br><u>Extracted</u> | <u>Date</u><br><u>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------------|--------------------------------|--------------------|
| Benzene                | ND                   | 50         | ug/Kg (PPB)  | MR             | 10/27/2022                      | 10/31/2022                     | EPA 5035A          |
| Toluene                | ND                   | 50         |              |                |                                 |                                |                    |
| Ethylbenzene           | ND                   | 50         |              |                |                                 |                                |                    |
| Xylene(Total)          | ND                   | 150        |              |                |                                 |                                |                    |
| 1,2,4-Trimethylbenzene | ND                   | 50         |              |                |                                 |                                |                    |
| 1,3,5-Trimethylbenzene | ND                   | 50         |              |                |                                 |                                |                    |
| Naphthalene            | ND                   | 250        |              |                |                                 |                                |                    |
| 2-Methylnaphthalene    | ND                   | 250        |              |                |                                 |                                |                    |

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
ND = NOT DETECTED, RESULT < LOD  
LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC  
PROJECT NO:  
LOCATION: PARADISE 19  
MI  
SAMPLE MATRIX: SOIL  
SAMPLE ID: FL-1 @ 10'

GTA PROJECT NO: 102722-9  
GTA SAMPLE NO: 5  
DATE SAMPLED: 10/27/2022  
TIME SAMPLED: 10:37 AM  
DATE RECEIVED: 10/27/2022  
TIME RECEIVED: 1:10 PM

SAMPLED BY: NICK SUMMERLAND/LER  
\*\*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><br><u>Extracted</u> | <u>Date</u><br><u>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------------|--------------------------------|--------------------|
| Benzene                | ND                   | 50         | ug/Kg (PPB)  | MR             | 10/27/2022                      | 10/31/2022                     | EPA 5035A          |
| Toluene                | ND                   | 50         |              |                |                                 |                                |                    |
| Ethylbenzene           | ND                   | 50         |              |                |                                 |                                |                    |
| Xylene(Total)          | ND                   | 150        |              |                |                                 |                                |                    |
| 1,2,4-Trimethylbenzene | ND                   | 50         |              |                |                                 |                                |                    |
| 1,3,5-Trimethylbenzene | ND                   | 50         |              |                |                                 |                                |                    |
| Naphthalene            | ND                   | 250        |              |                |                                 |                                |                    |
| 2-Methylnaphthalene    | ND                   | 250        |              |                |                                 |                                |                    |

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO:  
 LOCATION: PARADISE 19  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: HA-1 @ 16.5'

GTA PROJECT NO: 102722-9  
 GTA SAMPLE NO: 6  
 DATE SAMPLED: 10/27/2022  
 TIME SAMPLED: 10:46 AM  
 DATE RECEIVED: 10/27/2022  
 TIME RECEIVED: 1:10 PM

SAMPLED BY: NICK SUMMERLAND/LER  
 \*\*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><br><u>Extracted</u> | <u>Date</u><br><u>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------------|--------------------------------|--------------------|
| Benzene                | ND                   | 50         | ug/Kg (PPB)  | MR             | 10/27/2022                      | 10/31/2022                     | EPA 5035A          |
| Toluene                | ND                   | 50         |              |                |                                 |                                |                    |
| Ethylbenzene           | ND                   | 50         |              |                |                                 |                                |                    |
| Xylene(Total)          | ND                   | 150        |              |                |                                 |                                |                    |
| 1,2,4-Trimethylbenzene | ND                   | 50         |              |                |                                 |                                |                    |
| 1,3,5-Trimethylbenzene | ND                   | 50         |              |                |                                 |                                |                    |
| Naphthalene            | ND                   | 250        |              |                |                                 |                                |                    |
| 2-Methylnaphthalene    | ND                   | 250        |              |                |                                 |                                |                    |

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
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COMPANY: LAMBDA ENERGY RESOURCES, LLC

NAME:  
PROJECT NO:

GTA PROJECT NO: 102722-  
SAMPLED BY: NICK SUMMERLAND/LER

DATE SAMPLED: 10/27/2022

LOCATION: PARADISE 19

SAMPLE MATRIX: SOIL

DATE RECEIVED: 10/27/2022  
TIME RECEIVED: 1:10 PM

MI

**MOISTURE**

| <u>No:</u> <u>Analysis</u>                      | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date Completed</u> |
|---|----------------------|------------|--------------|----------------|-----------------------|
| SAMPLE ID: SW-W<br>% MOISTURE EPA 3550C         | 5.0                  | 0.10       | % OF SAMPLE  | AS             | 10/27/2022            |
| SAMPLE ID: SW-S<br>% MOISTURE EPA 3550C         | 5.4                  | 0.10       | % OF SAMPLE  | AS             | 10/27/2022            |
| SAMPLE ID: SW-N<br>% MOISTURE EPA 3550C         | 6.4                  | 0.10       | % OF SAMPLE  | AS             | 10/27/2022            |
| SAMPLE ID: SW-E<br>% MOISTURE EPA 3550C         | 3.8                  | 0.10       | % OF SAMPLE  | AS             | 10/27/2022            |
| SAMPLE ID: FL-1 @ 10'<br>% MOISTURE EPA 3550C   | 4.8                  | 0.10       | % OF SAMPLE  | AS             | 10/27/2022            |
| SAMPLE ID: HA-1 @ 16.5'<br>% MOISTURE EPA 3550C | 5.5                  | 0.10       | % OF SAMPLE  | AS             | 10/27/2022            |

