

**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: 2018100106.01

GTA ProjNo: 022321-6

Site Addr: HAYES 22 CPF

Sampled By: JOSHUA GERRIE/GCES

Date Rec: 2/23/2021

Time Rec: 4:15 PM

| Sample No. | Sample ID | Date Sampled | Time Sampled | Sample Matrix |
|------------|-----------|--------------|--------------|---------------|
| 1          | RW-201    | 2/23/2021    | 10:10 AM     | WATER         |
| 2          | RW-202    | 2/23/2021    | 10:20 AM     | WATER         |
| 3          | MW-133D3  | 2/23/2021    | 10:30 AM     | WATER         |
| 4          | MW-134D3  | 2/23/2021    | 10:45 AM     | WATER         |
| 5          | MW-135D3  | 2/23/2021    | 11:00 AM     | WATER         |
| 6          | MW-136D3  | 2/23/2021    | 10:00 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: LAMBDA ENERGY RESOURCES, LLC  
PROJECT NO: 2018100106.01  
LOCATION: HAYES 22 CPF  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: RW-201

GTA PROJECT NO: 022321-6  
GTA SAMPLE NO: 1  
DATE SAMPLED: 2/23/2021  
TIME SAMPLED: 10:10 AM  
DATE RECEIVED: 2/23/2021  
TIME RECEIVED: 4:15 PM  
SAMPLED BY: JOSHUA GERRIE/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/>Complete</u> | <u>Prep Method</u> |
|-----------------|----------------------|------------|--------------|----------------|---------------------------|--------------------------|--------------------|
| Benzene         | ND                   | 1.0        | ug/L (PPB)   | MR             |                           | 2/25/2021                | 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: 2018100106.01  
LOCATION: HAYES 22 CPF  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: RW-202

GTA PROJECT NO: 022321-6  
GTA SAMPLE NO: 2  
DATE SAMPLED: 2/23/2021  
TIME SAMPLED: 10:20 AM  
DATE RECEIVED: 2/23/2021  
TIME RECEIVED: 4:15 PM  
SAMPLED BY: JOSHUA GERRIE/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/>Complete</u> | <u>Prep Method</u> |
|-----------------|----------------------|------------|--------------|----------------|---------------------------|--------------------------|--------------------|
| Benzene         | ND                   | 1.0        | ug/L (PPB)   | MR             |                           | 2/25/2021                | EPA 5030B          |
| Toluene         | ND                   | 1.0        |              |                |                           |                          |                    |
| Ethylbenzene    | ND                   | 1.0        |              |                |                           |                          |                    |
| Xylene(Total)   | ND                   | 3.0        |              |                |                           |                          |                    |

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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
PROJECT NO: 2018100106.01  
LOCATION: HAYES 22 CPF  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-133D3  
GTA PROJECT NO: 022321-6  
GTA SAMPLE NO: 3  
DATE SAMPLED: 2/23/2021  
TIME SAMPLED: 10:30 AM  
DATE RECEIVED: 2/23/2021  
TIME RECEIVED: 4:15 PM  
SAMPLED BY: JOSHUA GERRIE/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/>Complete</u> | <u>Prep Method</u> |
|-----------------|----------------------|------------|--------------|----------------|---------------------------|--------------------------|--------------------|
| Benzene         | ND                   | 1.0        | ug/L (PPB)   | MR             |                           | 2/25/2021                | EPA 5030B          |
| Toluene         | ND                   | 1.0        |              |                |                           |                          |                    |
| Ethylbenzene    | ND                   | 1.0        |              |                |                           |                          |                    |
| Xylene(Total)   | ND                   | 3.0        |              |                |                           |                          |                    |

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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
PROJECT NO: 2018100106.01  
LOCATION: HAYES 22 CPF  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-134D3

GTA PROJECT NO: 022321-6  
GTA SAMPLE NO: 4  
DATE SAMPLED: 2/23/2021  
TIME SAMPLED: 10:45 AM  
DATE RECEIVED: 2/23/2021  
TIME RECEIVED: 4:15 PM  
SAMPLED BY: JOSHUA GERRIE/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/>Complete</u> | <u>Prep Method</u> |
|-----------------|----------------------|------------|--------------|----------------|---------------------------|--------------------------|--------------------|
| Benzene         | ND                   | 1.0        | ug/L (PPB)   | MR             |                           | 2/25/2021                | EPA 5030B          |
| Toluene         | ND                   | 1.0        |              |                |                           |                          |                    |
| Ethylbenzene    | ND                   | 1.0        |              |                |                           |                          |                    |
| Xylene(Total)   | ND                   | 3.0        |              |                |                           |                          |                    |

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PROJECT NO: 2018100106.01  
LOCATION: HAYES 22 CPF  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-135D3

GTA PROJECT NO: 022321-6  
GTA SAMPLE NO: 5  
DATE SAMPLED: 2/23/2021  
TIME SAMPLED: 11:00 AM  
DATE RECEIVED: 2/23/2021  
TIME RECEIVED: 4:15 PM  
SAMPLED BY: JOSHUA GERRIE/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/>Complete</u> | <u>Prep Method</u> |
|-----------------|----------------------|------------|--------------|----------------|---------------------------|--------------------------|--------------------|
| Benzene         | ND                   | 1.0        | ug/L (PPB)   | MR             |                           | 2/26/2021                | EPA 5030B          |
| Toluene         | ND                   | 1.0        |              |                |                           |                          |                    |
| Ethylbenzene    | ND                   | 1.0        |              |                |                           |                          |                    |
| Xylene(Total)   | ND                   | 3.0        |              |                |                           |                          |                    |

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PROJECT NO: 2018100106.01  
LOCATION: HAYES 22 CPF  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-136D3

GTA PROJECT NO: 022321-6  
GTA SAMPLE NO: 6  
DATE SAMPLED: 2/23/2021  
TIME SAMPLED: 10:00 AM  
DATE RECEIVED: 2/23/2021  
TIME RECEIVED: 4:15 PM  
SAMPLED BY: JOSHUA GERRIE/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/>Complete</u> | <u>Prep Method</u> |
|-----------------|----------------------|------------|--------------|----------------|---------------------------|--------------------------|--------------------|
| Benzene         | ND                   | 1.0        | ug/L (PPB)   | MR             |                           | 2/26/2021                | EPA 5030B          |
| Toluene         | ND                   | 1.0        |              |                |                           |                          |                    |
| Ethylbenzene    | ND                   | 1.0        |              |                |                           |                          |                    |
| Xylene(Total)   | ND                   | 3.0        |              |                |                           |                          |                    |

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PROJECT NO: 2018100106.01  
LOCATION: HAYES 22 CPF  
MI  
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 022321-6  
GTA SAMPLE NO: 1  
DATE SAMPLED: 2/23/2021  
TIME SAMPLED: 10:10 AM  
DATE RECEIVED: 2/23/2021  
TIME RECEIVED: 4:15 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</u> |
|--------------------------|-----------------|----------------------|------------|--------------|----------------|-----------------------|---------------|
| SAMPLE ID: <b>RW-201</b> |                 |                      |            |              |                |                       |               |
| CHLORIDE EPA 300.0       |                 | 16                   | 10         | mg/L (PPM)   | LV             | 2/25/2021             | WATER         |

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

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COMPANY: LAMBDA ENERGY RESOURCES, LLC      GTA PROJECT NO: 022321-6  
PROJECT NO: 2018100106.01      GTA SAMPLE NO: 2  
LOCATION: HAYES 22 CPF      DATE SAMPLED: 2/23/2021  
TIME SAMPLED: 10:20 AM  
DATE RECEIVED: 2/23/2021  
TIME RECEIVED: 4:15 PM  
MI  
SAMPLED BY: JOSHUA GERRIE/GCES

**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</u> |
|------------|--------------------------|----------------------|------------|--------------|----------------|-----------------------|---------------|
|            | SAMPLE ID: <b>RW-202</b> |                      |            |              |                |                       |               |
|            | CHLORIDE EPA 300.0       | 11                   | 10         | mg/L (PPM)   | LV             | 2/25/2021             | WATER         |

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022321-6

PROJECT NO: 2018100106.01

GTA SAMPLE NO: 3

LOCATION: HAYES 22 CPF

DATE SAMPLED: 2/23/2021

TIME SAMPLED: 10:30 AM

DATE RECEIVED: 2/23/2021

TIME RECEIVED: 4:15 PM

MI

SAMPLED BY: JOSHUA GERRIE/GCES

### SAMPLE ANALYSIS

#### No: Analysis

SAMPLE ID: MW-133D3

CHLORIDE EPA 300.0

#### Concentration

ND

#### LOD

10

#### Units

mg/L (PPM)

#### Analyst

LV

#### Date Completed

2/25/2021

#### Sample

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: LAMBDA ENERGY RESOURCES, LLC  
PROJECT NO: 2018100106.01  
LOCATION: HAYES 22 CPF  
MI  
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 022321-6  
GTA SAMPLE NO: 4  
DATE SAMPLED: 2/23/2021  
TIME SAMPLED: 10:45 AM  
DATE RECEIVED: 2/23/2021  
TIME RECEIVED: 4:15 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</u> |
|------------|-------------------------------------------|----------------------|------------|--------------|----------------|-----------------------|---------------|
|            | SAMPLE ID: MW-134D3<br>CHLORIDE EPA 300.0 | ND                   | 10         | mg/L (PPM)   | LV             | 2/25/2021             | WATER         |

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022321-6

PROJECT NO: 2018100106.01

GTA SAMPLE NO: 5

LOCATION: HAYES 22 CPF

DATE SAMPLED: 2/23/2021

TIME SAMPLED: 11:00 AM

DATE RECEIVED: 2/23/2021

TIME RECEIVED: 4:15 PM

MI

SAMPLED BY: JOSHUA GERRIE/GCES

**SAMPLE ANALYSIS**

**No: Analysis**

SAMPLE ID: MW-135D3

CHLORIDE EPA 300.0

**Concentration**

**LOD**

**Units**

**Analyst**

**Date Completed**

**Sample**

ND

10

mg/L (PPM)

LV

2/25/2021

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022321-6

PROJECT NO: 2018100106.01

GTA SAMPLE NO: 6

LOCATION: HAYES 22 CPF

DATE SAMPLED: 2/23/2021

TIME SAMPLED: 10:00 AM

DATE RECEIVED: 2/23/2021

TIME RECEIVED: 4:15 PM

MI

SAMPLED BY: JOSHUA GERRIE/GCES

**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</u> |
|------------|---------------------|----------------------|------------|--------------|----------------|-----------------------|---------------|
|            | SAMPLE ID: MW-136D3 |                      |            |              |                |                       |               |
|            | CHLORIDE EPA 300.0  | 20                   | 10         | mg/L (PPM)   | LV             | 2/25/2021             | WATER         |

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

**CHAIN OF CUSTODY**

|                                        |                                          |                                                |
|----------------------------------------|------------------------------------------|------------------------------------------------|
| PROJECT NUMBER<br><b>2018100100.01</b> | SITE NAME/ADDRESS<br><b>Hayes 22 CPF</b> | COMPANY/NAME<br><b>Lambda Energy Resources</b> |
| SAMPLED BY<br><b>Joshua Genie</b>      | COMPANY<br><b>Gosling Czubak</b>         | GTA PROJECT #<br><b>022321-4</b>               |

**SAMPLE INFORMATION**

| # | SAMPLE ID | DATE SAMPLED | TIME | MATRIX | ANALYSIS        |
|---|-----------|--------------|------|--------|-----------------|
| 1 | RW-201    | 2-23-21      | 1010 | GW     | BTEX & Chloride |
| 2 | RW-202    | ↓            | 1020 | ↓      | ↓               |
| 3 | MW-133d3  | ↓            | 1030 | ↓      | ↓               |
| 4 | MW-134d3  | ↓            | 1045 | ↓      | ↓               |
| 5 | MW-135d3  | ↓            | 1100 | ↓      | ↓               |
| 6 | MW-136d3  | ↓            | 1000 | ↓      | ↓               |
|   |           |              |      |        |                 |
|   |           |              |      |        |                 |
|   |           |              |      |        |                 |
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|   |           |              |      |        |                 |
|   |           |              |      |        |                 |
|   |           |              |      |        |                 |

**BILL TO:**

**Lambda Energy Resources**

**REPORT TO:**

**Adam Bateman**

**RELEASED BY**

**DATE/TIME**

**RECEIVED BY**

**DATE/TIME**

**Joshua Genie** 2-23-21 / 1015

**Adam Bateman** 2/23/2016 15  
rec'd Conira

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