



**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: BLUE LAKE 17

GTA ProjNo: 080919-12

Sampled By: NICK SUMMERLAND/LER  
Date Rec: 8/9/2019  
Time Rec: 4:30 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	FLOOR 1 8'	8/9/2019	8:05 AM	SOIL
2	FLOOR 1D 10'	8/9/2019	8:14 AM	SOIL
3	FLOOR 2 8'	8/9/2019	8:20 AM	SOIL
4	SW-N 4'	8/9/2019	8:24 AM	SOIL
5	SW-S 4'	8/9/2019	8:26 AM	SOIL
6	SW-W 4'	8/9/2019	8:28 AM	SOIL
7	SW-E 4'	8/9/2019	8:33 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 L 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:  
 LOCATION: BLUE LAKE 17  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: FLOOR 1 8'

GTA PROJECT NO: 080919-12  
 GTA SAMPLE NO: 1  
 DATE SAMPLED: 8/9/2019  
 TIME SAMPLED: 8:05 AM  
 DATE RECEIVED: 8/9/2019  
 TIME RECEIVED: 4:30 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 Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	8/9/2019	8/13/2019	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  
 PROJECT NO:  
 LOCATION: BLUE LAKE 17  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: FLOOR 1D 10'

GTA PROJECT NO: 080919-12  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 8/9/2019  
 TIME SAMPLED: 8:14 AM  
 DATE RECEIVED: 8/9/2019  
 TIME RECEIVED: 4:30 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 Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	8/9/2019	8/13/2019	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: BLUE LAKE 17  
MI  
SAMPLE MATRIX: SOIL  
SAMPLE ID: FLOOR 2 8'

GTA PROJECT NO: 080919-12  
GTA SAMPLE NO: 3  
DATE SAMPLED: 8/9/2019  
TIME SAMPLED: 8:20 AM  
DATE RECEIVED: 8/9/2019  
TIME RECEIVED: 4:30 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> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	8/9/2019	8/13/2019	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: BLUE LAKE 17  
MI  
SAMPLE MATRIX: SOIL  
SAMPLE ID: SW-N 4'

GTA PROJECT NO: 080919-12  
GTA SAMPLE NO: 4  
DATE SAMPLED: 8/9/2019  
TIME SAMPLED: 8:24 AM  
DATE RECEIVED: 8/9/2019  
TIME RECEIVED: 4:30 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> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	8/9/2019	8/13/2019	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: BLUE LAKE 17  
MI  
SAMPLE MATRIX: SOIL  
SAMPLE ID: SW-S 4'

GTA PROJECT NO: 080919-12  
GTA SAMPLE NO: 5  
DATE SAMPLED: 8/9/2019  
TIME SAMPLED: 8:26 AM  
DATE RECEIVED: 8/9/2019  
TIME RECEIVED: 4:30 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> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	8/9/2019	8/13/2019	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: BLUE LAKE 17  
MI  
SAMPLE MATRIX: SOIL  
SAMPLE ID: SW-W 4'

GTA PROJECT NO: 080919-12  
GTA SAMPLE NO: 6  
DATE SAMPLED: 8/9/2019  
TIME SAMPLED: 8:28 AM  
DATE RECEIVED: 8/9/2019  
TIME RECEIVED: 4:30 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> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	8/9/2019	8/13/2019	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: BLUE LAKE 17  
MI  
SAMPLE MATRIX: SOIL  
SAMPLE ID: SW-E 4'

GTA PROJECT NO: 080919-12  
GTA SAMPLE NO: 7  
DATE SAMPLED: 8/9/2019  
TIME SAMPLED: 8:33 AM  
DATE RECEIVED: 8/9/2019  
TIME RECEIVED: 4:30 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> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	8/9/2019	8/13/2019	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

NAME:  
PROJECT NO:

LOCATION: BLUE LAKE 17

MI

GTA PROJECT NO: 080919-  
SAMPLED BY: NICK SUMMERLAND/LER

DATE SAMPLED: 8/9/2019  
TIME SAMPLED: 8:05 AM

SAMPLE MATRIX: SOIL

DATE RECEIVED: 8/9/2019  
TIME RECEIVED: 4:30 PM

**MOISTURE**

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Complete</u>
	SAMPLE ID: FLOOR 1 8'					
	% MOISTURE EPA 3550C	5.3	0.050	% OF SAMPLE	AS	8/9/2019
	SAMPLE ID: FLOOR 1D 10'					
	% MOISTURE EPA 3550C	4.4	0.050	% OF SAMPLE	AS	8/9/2019
	SAMPLE ID: FLOOR 2 8'					
	% MOISTURE EPA 3550C	6.7	0.050	% OF SAMPLE	AS	8/9/2019
	SAMPLE ID: SW-N 4'					
	% MOISTURE EPA 3550C	4.4	0.050	% OF SAMPLE	AS	8/9/2019
	SAMPLE ID: SW-S 4'					
	% MOISTURE EPA 3550C	3.9	0.050	% OF SAMPLE	AS	8/9/2019
	SAMPLE ID: SW-W 4'					
	% MOISTURE EPA 3550C	4.4	0.050	% OF SAMPLE	AS	8/9/2019
	SAMPLE ID: SW-E 4'					
	% MOISTURE EPA 3550C	4.0	0.050	% OF SAMPLE	AS	8/9/2019

**CHAIN OF CUSTODY**

PROJECT NUMBER	SITE NAME/ADDRESS	COMPANY/NAME
	Blue Lake 17	Lambda
SAMPLED BY	COMPANY	GTA PROJECT #
N Summerland	Lambda	080919-12

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	Floor 1 8'	8-9-19	8:05 AM	Soil	BTEX +4 & Chloride
2	Floor 1D 10'	↓	8:14 AM	↓	↓
3	Floor 2 8'		8:20 A		
4	SW-N 4'		8:24 A		
5	SW-S 4'		8:26 A		
6	SW-W 4'		8:28 A		
7	SW-E 4'		8:33 A		

**BILL TO:**

**REPORT TO:**

~~\*\*\*~~ ~~\*\*\*~~ Lambda

N Summerland

**RELEASED BY**

**DATE/TIME**

**RECEIVED BY**

**DATE/TIME**

Nick Summerland 8-9-19 1:24 PM

Rec Okel 8-9-19 1:24 PM

Rec Okel 8-9-19 4:30 PM

8/9/19 4:30

**REQUESTED TAT**

STANDARD

1 BUSINESS DAY

2 BUSINESS DAYS

3 BUSINESS DAYS