

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: LAMBDA ENERGY RESOURCES, LLC

Name:

ClientProj: 20-127

GTA ProjNo: 041423-5

Site Addr: CHARLTON 12

Sampled By: JP/DB/JY - OMPC

Date Rec: 4/14/2023

Time Rec: 2:41 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	HA-5 @ 6'	4/13/2023	12:20 PM	SOIL
2	HA-5 @ 8'	4/13/2023	1:20 PM	SOIL
3	HA-5 @ 10'	4/13/2023	2:00 PM	SOIL
4	HA-7 @ 6'	4/12/2023	11:00 AM	SOIL
5	HA-7 @ 8'	4/12/2023	12:10 PM	SOIL
6	HA-7 @ 10'	4/12/2023	1:00 PM	SOIL
7	HA-8 @ 8'	4/11/2023		SOIL
8	HA-8 @ 10'	4/11/2023	12:40 PM	SOIL
9	HA-8 @ 12'	4/11/2023	1:30 PM	SOIL
10	HA-8 @ 14'	4/11/2023	2:25 PM	SOIL
11	HA-9 @ 8'	4/11/2023	3:30 PM	SOIL
12	HA-9 @ 10'	4/11/2023	4:15 PM	SOIL
13	HA-9 @ 12'	4/11/2023	4:45 PM	SOIL
14	HA-9 @ 14'	4/11/2023	5:15 PM	SOIL
15	HA-10 @ 8'	4/11/2023	10:45 AM	SOIL
16	HA-10 @ 10'	4/11/2023	11:00 AM	SOIL
17	HA-10 @ 12'	4/11/2023	11:25 AM	SOIL
18	HA-11 @ 2'	4/11/2023	2:25 PM	SOIL
19	HA-11 @ 4'	4/11/2023	4:15 PM	SOIL
20	HA-11 @ 6'	4/11/2023	12:14 PM	SOIL
21	HA-11 @ 8'	4/11/2023	12:40 PM	SOIL
22	HA-11 @ 10'	4/11/2023	1:25 PM	SOIL
23	HA-11 @ 12'	4/11/2023	2:00 PM	SOIL
24	HA-11 @ 13.7'	4/11/2023	5:40 PM	SOIL
25	HA-12 @ 1'	4/11/2023	3:09 PM	SOIL
26	HA-12 @ 2'	4/11/2023	3:17 PM	SOIL
27	HA-12 @ 3'	4/11/2023	3:25 PM	SOIL
28	HA-12R @ 4'	4/12/2023	10:30 AM	SOIL
29	HA-12R @ 6'	4/12/2023	10:40 AM	SOIL
30	HA-12R @ 7'	4/12/2023	11:30 AM	SOIL
31	HA-12R @ 9'	4/12/2023	12:30 PM	SOIL
32	HA-12R @ 11'	4/12/2023	1:30 PM	SOIL
33	HA-13 @ 4'	4/12/2023	5:00 PM	SOIL
34	HA-13 @ 6'	4/13/2023	10:00 AM	SOIL
35	HA-13 @ 8'	4/13/2023	10:35 AM	SOIL
36	HA-13 @ 10'	4/13/2023	10:50 AM	SOIL
37	HA-13 @ 12'	4/13/2023	11:20 AM	SOIL
38	HA-13 @ 14'	4/13/2023	11:40 AM	SOIL



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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
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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127

LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-5 @ 6'

GTA PROJECT NO: 041423-5

GTA SAMPLE NO: 1

DATE SAMPLED: 4/13/2023

TIME SAMPLED: 12:20 PM

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

**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		4/13/2023	4/24/2023	EPA 5035A
Toluene	70	50					
Ethylbenzene	ND	50					
Xylene(Total)	300	150					
1,2,4-Trimethylbenzene	410	50					
1,3,5-Trimethylbenzene	210	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: 20-127

LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-5 @ 8'

GTA PROJECT NO: 041423-5

GTA SAMPLE NO: 2

DATE SAMPLED: 4/13/2023

TIME SAMPLED: 1:20 PM

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

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Benzene	430	50	ug/Kg (PPB)	MR	4/13/2023	4/24/2023	EPA 5035A
Toluene	3,100	50					
Ethylbenzene	650	50					
Xylene(Total)	2,000	150					
1,2,4-Trimethylbenzene	1,200	50					
1,3,5-Trimethylbenzene	390	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127

LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-5 @ 10'

GTA PROJECT NO: 041423-5

GTA SAMPLE NO: 3

DATE SAMPLED: 4/13/2023

TIME SAMPLED: 2:00 PM

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

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Benzene	1,600	50	ug/Kg (PPB)	MR	4/13/2023	4/24/2023	EPA 5035A
Toluene	2,300	50					
Ethylbenzene	570	50					
Xylene(Total)	2,700	150					
1,2,4-Trimethylbenzene	990	50					
1,3,5-Trimethylbenzene	330	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127

LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-7 @ 6'

GTA PROJECT NO: 041423-5

GTA SAMPLE NO: 4

DATE SAMPLED: 4/12/2023

TIME SAMPLED: 11:00 AM

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

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Benzene	1,300	50	ug/Kg (PPB)	MR	4/12/2023	4/24/2023	EPA 5035A
Toluene	3,200	50					
Ethylbenzene	440	50					
Xylene(Total)	2,000	150					
1,2,4-Trimethylbenzene	900	50					
1,3,5-Trimethylbenzene	300	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127
LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: HA-7 @ 8'

GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 5

DATE SAMPLED: 4/12/2023
TIME SAMPLED: 12:10 PM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

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Benzene	1,800	50	ug/Kg (PPB)	MR	4/12/2023	4/24/2023	EPA 5035A
Toluene	290	50					
Ethylbenzene	82	50					
Xylene(Total)	250	150					
1,2,4-Trimethylbenzene	290	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127
LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: HA-7 @ 10'

GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 6

DATE SAMPLED: 4/12/2023
TIME SAMPLED: 1:00 PM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM

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Benzene	1,200	50	ug/Kg (PPB)	MR	4/12/2023	4/24/2023	EPA 5035A
Toluene	180	50					
Ethylbenzene	680	50					
Xylene(Total)	2,600	150					
1,2,4-Trimethylbenzene	2,200	50					
1,3,5-Trimethylbenzene	760	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127

LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-8 @ 8'

GTA PROJECT NO: 041423-5

GTA SAMPLE NO: 7

DATE SAMPLED: 4/11/2023

TIME SAMPLED:

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

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Benzene	ND	50	ug/Kg (PPB) MR		4/11/2023	4/24/2023	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					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127
LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: HA-8 @ 10'GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 8DATE SAMPLED: 4/11/2023
TIME SAMPLED: 12:40 PM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

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EPA 8260B VOLATILE ORGANICS

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Benzene	ND	50	ug/Kg (PPB)	MR	4/11/2023	4/24/2023	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					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127
LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: HA-8 @ 12'

GTA PROJECT NO: 041423-5

GTA SAMPLE NO: 9

DATE SAMPLED: 4/11/2023

TIME SAMPLED: 1:30 PM

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

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EPA 8260B VOLATILE ORGANICS

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Benzene	ND	50	ug/Kg (PPB) MR		4/11/2023	4/24/2023	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					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 041423-5

PROJECT NO: 20-127

GTA SAMPLE NO: 10

LOCATION: CHARLTON 12

DATE SAMPLED: 4/11/2023

TIME SAMPLED: 2:25 PM

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-8 @ 14'

SAMPLED BY: JP/DB/JY - OMPC

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<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	4/11/2023	4/24/2023	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					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127
LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: HA-9 @ 8'GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 11DATE SAMPLED: 4/11/2023
TIME SAMPLED: 3:30 PM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM

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Benzene	ND	50	ug/Kg (PPB)	MR	4/11/2023	4/24/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	95	50					
Xylene(Total)	570	150					
1,2,4-Trimethylbenzene	4,000	50					
1,3,5-Trimethylbenzene	1,500	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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PROJECT NO: 20-127

LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-9 @ 10'

GTA PROJECT NO: 041423-5

GTA SAMPLE NO: 12

DATE SAMPLED: 4/11/2023

TIME SAMPLED: 4:15 PM

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Benzene	ND	50	ug/Kg (PPB)	MR	4/11/2023	4/24/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	58	50					
Xylene(Total)	2,100	150					
1,2,4-Trimethylbenzene	3,300	50					
1,3,5-Trimethylbenzene	1,000	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127
LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: HA-9 @ 12'

GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 13

DATE SAMPLED: 4/11/2023
TIME SAMPLED: 4:45 PM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM

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Benzene	ND	50	ug/Kg (PPB)	MR	4/11/2023	4/24/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	3,100	150					
1,2,4-Trimethylbenzene	2,100	50					
1,3,5-Trimethylbenzene	660	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127

LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-9 @ 14'

GTA PROJECT NO: 041423-5

GTA SAMPLE NO: 14

DATE SAMPLED: 4/11/2023

TIME SAMPLED: 5:15 PM

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

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Benzene	500	50	ug/Kg (PPB)	MR	4/11/2023	4/24/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	1,000	50					
Xylene(Total)	9,100	150					
1,2,4-Trimethylbenzene	2,500	50					
1,3,5-Trimethylbenzene	780	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

GTA PROJECT NO: 041423-5

PROJECT NO: 20-127

GTA SAMPLE NO: 15

LOCATION: CHARLTON 12

DATE SAMPLED: 4/11/2023

TIME SAMPLED: 10:45 AM

MI

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-10 @ 8'

SAMPLED BY: JP/DB/JY - OMPC

**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	4/11/2023	4/24/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	77	50					
Xylene(Total)	740	150					
1,2,4-Trimethylbenzene	270	50					
1,3,5-Trimethylbenzene	82	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: 20-127
LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: HA-10 @ 10'

GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 16

DATE SAMPLED: 4/11/2023
TIME SAMPLED: 11:00 AM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

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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	4/11/2023	4/24/2023	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

GTA PROJECT NO: 041423-5

GTA SAMPLE NO: 17

PROJECT NO: 20-127

LOCATION: CHARLTON 12

DATE SAMPLED: 4/11/2023

TIME SAMPLED: 11:25 AM

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-10 @ 12'

SAMPLED BY: JP/DB/JY - OMPC

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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	4/11/2023	4/24/2023	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: 20-127
LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: HA-11 @ 2'

GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 18

DATE SAMPLED: 4/11/2023
TIME SAMPLED: 2:25 PM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

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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	4/11/2023	4/24/2023	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: 20-127
LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: HA-11 @ 4'

GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 19

DATE SAMPLED: 4/11/2023
TIME SAMPLED: 4:15 PM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

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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	4/11/2023	4/24/2023	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

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127

LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-11 @ 6'

GTA PROJECT NO: 041423-5

GTA SAMPLE NO: 20

DATE SAMPLED: 4/11/2023

TIME SAMPLED: 12:14 PM

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

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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	4/11/2023	4/24/2023	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

**INDEPENDENT TESTING LAB**

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127
LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: HA-11 @ 8'GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 21DATE SAMPLED: 4/11/2023
TIME SAMPLED: 12:40 PM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

**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	4/11/2023	4/24/2023	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

GTA PROJECT NO: 041423-5

PROJECT NO: 20-127

GTA SAMPLE NO: 22

LOCATION: CHARLTON 12

DATE SAMPLED: 4/11/2023

TIME SAMPLED: 1:25 PM

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-11 @ 10'

SAMPLED BY: JP/DB/JY - OMPC

**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	4/11/2023	4/24/2023	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

**INDEPENDENT TESTING LAB**

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127

LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-11 @ 12'

GTA PROJECT NO: 041423-5

GTA SAMPLE NO: 23

DATE SAMPLED: 4/11/2023

TIME SAMPLED: 2:00 PM

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

**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	4/11/2023	4/24/2023	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: 20-127
LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: HA-11 @ 13.7'

GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 24

DATE SAMPLED: 4/11/2023
TIME SAMPLED: 5:40 PM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

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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	4/11/2023	4/24/2023	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

**INDEPENDENT TESTING LAB**

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FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127
LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: HA-12 @ 1'GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 25DATE SAMPLED: 4/11/2023
TIME SAMPLED: 3:09 PM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

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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		4/11/2023	4/24/2023	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: 20-127
LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: HA-12 @ 2'

GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 26

DATE SAMPLED: 4/11/2023
TIME SAMPLED: 3:17 PM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

**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	390	50	ug/Kg (PPB)	MR	4/11/2023	4/24/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	430	50					
Xylene(Total)	1,700	150					
1,2,4-Trimethylbenzene	250	50					
1,3,5-Trimethylbenzene	120	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

GTA PROJECT NO: 041423-5

PROJECT NO: 20-127

GTA SAMPLE NO: 27

LOCATION: CHARLTON 12

DATE SAMPLED: 4/11/2023

TIME SAMPLED: 3:25 PM

MI

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-12 @ 3'

SAMPLED BY: JP/DB/JY - OMPC

**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	350	50	ug/Kg (PPB)	MR	4/11/2023	4/24/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	380	50					
Xylene(Total)	1,600	150					
1,2,4-Trimethylbenzene	220	50					
1,3,5-Trimethylbenzene	110	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

**INDEPENDENT TESTING LAB**

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FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127

LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-12R @ 4'

GTA PROJECT NO: 041423-5

GTA SAMPLE NO: 28

DATE SAMPLED: 4/12/2023

TIME SAMPLED: 10:30 AM

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

**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	2,900	50	ug/Kg (PPB) MR		4/12/2023	4/24/2023	EPA 5035A
Toluene	85	50					
Ethylbenzene	4,600	50					
Xylene(Total)	16,000	150					
1,2,4-Trimethylbenzene	1,300	50					
1,3,5-Trimethylbenzene	730	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

GTA PROJECT NO: 041423-5

PROJECT NO: 20-127

GTA SAMPLE NO: 29

LOCATION: CHARLTON 12

DATE SAMPLED: 4/12/2023

TIME SAMPLED: 10:40 AM

MI

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-12R @ 6'

SAMPLED BY: JP/DB/JY - OMPC

**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	290	50	ug/Kg (PPB)	MR	4/12/2023	4/24/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	460	50					
Xylene(Total)	1,700	150					
1,2,4-Trimethylbenzene	160	50					
1,3,5-Trimethylbenzene	88	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: 20-127
LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: HA-12R @ 7'

GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 30

DATE SAMPLED: 4/12/2023
TIME SAMPLED: 11:30 AM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

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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	200	50	ug/Kg (PPB)	MR	4/12/2023	4/24/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	90	50					
Xylene(Total)	900	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

**INDEPENDENT TESTING LAB**

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127
LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: HA-12R @ 9'GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 31DATE SAMPLED: 4/12/2023
TIME SAMPLED: 12:30 PM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

**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	78	50	ug/Kg (PPB)	MR	4/12/2023	4/24/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	290	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

GTA PROJECT NO: 041423-5

PROJECT NO: 20-127

GTA SAMPLE NO: 32

LOCATION: CHARLTON 12

DATE SAMPLED: 4/12/2023

TIME SAMPLED: 1:30 PM

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-12R @ 11'

SAMPLED BY: JP/DB/JY - OMPC

**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	210	50	ug/Kg (PPB)	MR	4/12/2023	4/24/2023	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

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127

LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-13 @ 4'

GTA PROJECT NO: 041423-5

GTA SAMPLE NO: 33

DATE SAMPLED: 4/12/2023

TIME SAMPLED: 5:00 PM

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

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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	7,500	50	ug/Kg (PPB)	MR	4/12/2023	4/24/2023	EPA 5035A
Toluene	38,000	50					
Ethylbenzene	6,800	50					
Xylene(Total)	32,000	150					
1,2,4-Trimethylbenzene	11,000	50					
1,3,5-Trimethylbenzene	3,900	50					
Naphthalene	ND	250					
2-Methylnaphthalene	520	250					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127
LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: HA-13 @ 6'GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 34DATE SAMPLED: 4/13/2023
TIME SAMPLED: 10:00 AM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

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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	4,200	50	ug/Kg (PPB)	MR	4/13/2023	4/24/2023	EPA 5035A
Toluene	13,000	50					
Ethylbenzene	2,700	50					
Xylene(Total)	11,000	150					
1,2,4-Trimethylbenzene	4,500	50					
1,3,5-Trimethylbenzene	1,500	50					
Naphthalene	ND	250					
2-Methylnaphthalene	360	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: 20-127
LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: HA-13 @ 8'

GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 35

DATE SAMPLED: 4/13/2023
TIME SAMPLED: 10:35 AM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

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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	2,900	50	ug/Kg (PPB)	MR	4/13/2023	4/24/2023	EPA 5035A
Toluene	4,900	50					
Ethylbenzene	1,200	50					
Xylene(Total)	5,300	150					
1,2,4-Trimethylbenzene	2,400	50					
1,3,5-Trimethylbenzene	2,000	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

**INDEPENDENT TESTING LAB**

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PH: 231-929-0905

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127

LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-13 @ 10'

GTA PROJECT NO: 041423-5

GTA SAMPLE NO: 36

DATE SAMPLED: 4/13/2023

TIME SAMPLED: 10:50 AM

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

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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	560	50	ug/Kg (PPB)	MR	4/13/2023	4/24/2023	EPA 5035A
Toluene	550	50					
Ethylbenzene	250	50					
Xylene(Total)	1,100	150					
1,2,4-Trimethylbenzene	1,200	50					
1,3,5-Trimethylbenzene	1,000	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

GTA PROJECT NO: 041423-5

GTA SAMPLE NO: 37

PROJECT NO: 20-127

LOCATION: CHARLTON 12

DATE SAMPLED: 4/13/2023

TIME SAMPLED: 11:20 AM

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-13 @ 12'

SAMPLED BY: JP/DB/JY - OMPC

**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	170	50	ug/Kg (PPB)	MR	4/13/2023	4/24/2023	EPA 5035A
Toluene	76	50					
Ethylbenzene	100	50					
Xylene(Total)	440	150					
1,2,4-Trimethylbenzene	500	50					
1,3,5-Trimethylbenzene	400	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

**INDEPENDENT TESTING LAB**

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FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-127

LOCATION: CHARLTON 12

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: HA-13 @ 14'

GTA PROJECT NO: 041423-5

GTA SAMPLE NO: 38

DATE SAMPLED: 4/13/2023

TIME SAMPLED: 11:40 AM

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

SAMPLED BY: JP/DB/JY - OMPC

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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	4/13/2023	4/24/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	230	150					
1,2,4-Trimethylbenzene	410	50					
1,3,5-Trimethylbenzene	290	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

**INDEPENDENT TESTING LAB**

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PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-127
LOCATION: CHARLTON 12
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: HA-5 @ 10'

GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 103
DATE SAMPLED: 4/13/2023
TIME SAMPLED: 2:00 PM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM
SAMPLED BY: JP/DB/JY - OMPC

EPA 1312/8260B SPLP 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	1.0	ug/L (PPB)	MR	4/26/2023	4/27/2023	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					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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**INDEPENDENT TESTING LAB**

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FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-127
LOCATION: CHARLTON 12
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: HA-7 @ 10'

GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 106
DATE SAMPLED: 4/12/2023
TIME SAMPLED: 1:00 PM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM
SAMPLED BY: JP/DB/JY - OMPC

EPA 1312/8260B SPLP 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	1.0	ug/L (PPB)	MR	4/26/2023	4/27/2023	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					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-127
LOCATION: CHARLTON 12
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: HA-9 @ 12'

GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 113
DATE SAMPLED: 4/11/2023
TIME SAMPLED: 4:45 PM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM
SAMPLED BY: JP/DB/JY - OMPC

EPA 1312/8260B SPLP 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	1.0	ug/L (PPB)	MR	4/25/2023	4/27/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	2.6	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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LOD = LIMIT OF DETECTION

**INDEPENDENT TESTING LAB**

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FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-127
LOCATION: CHARLTON 12
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: HA-9 @ 14'

GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 114
DATE SAMPLED: 4/11/2023
TIME SAMPLED: 5:15 PM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM
SAMPLED BY: JP/DB/JY - OMPC

EPA 1312/8260B SPLP 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	1.0	ug/L (PPB)	MR	4/25/2023	4/27/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	2.5	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

**INDEPENDENT TESTING LAB**

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PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-127
LOCATION: CHARLTON 12
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: HA-12R @ 11'

GTA PROJECT NO: 041423-5
GTA SAMPLE NO: 132
DATE SAMPLED: 4/12/2023
TIME SAMPLED: 1:30 PM
DATE RECEIVED: 4/14/2023
TIME RECEIVED: 2:41 PM
SAMPLED BY: JP/DB/JY - OMPC

EPA 1312/8260B SPLP 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	1.0	ug/L (PPB)	MR	4/26/2023	4/27/2023	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					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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LOD = LIMIT OF DETECTION

**INDEPENDENT TESTING LAB**

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 041423-

NAME:

SAMPLED BY: JP/DB/JY - OMPC

PROJECT NO: 20-127

DATE SAMPLED: 4/13/2023

LOCATION: CHARLTON 12

SAMPLE MATRIX: SOIL

DATE RECEIVED: 4/14/2023

MI

TIME RECEIVED: 2:41 PM

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: HA-5 @ 6'	% MOISTURE EPA 3550C	12	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-5 @ 8'	% MOISTURE EPA 3550C	12	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-5 @ 10'	% MOISTURE EPA 3550C	16	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-7 @ 6'	% MOISTURE EPA 3550C	14	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-7 @ 8'	% MOISTURE EPA 3550C	13	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-7 @ 10'	% MOISTURE EPA 3550C	12	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-8 @ 8'	% MOISTURE EPA 3550C	9.3	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-8 @ 10'	% MOISTURE EPA 3550C	16	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-8 @ 12'	% MOISTURE EPA 3550C	14	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-8 @ 14'	% MOISTURE EPA 3550C	12	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-9 @ 8'	% MOISTURE EPA 3550C	11	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-9 @ 10'	% MOISTURE EPA 3550C	12	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-9 @ 12'	% MOISTURE EPA 3550C	14	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-9 @ 14'	% MOISTURE EPA 3550C	11	0.10	% OF SAMPLE	AS	4/14/2023

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

NAME:

PROJECT NO: 20-127

GTA PROJECT NO: 041423-

SAMPLED BY: JP/DB/JY - OMPC

DATE SAMPLED: 4/11/2023

LOCATION: CHARLTON 12

SAMPLE MATRIX: SOIL

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 PM

MI

MOISTURE

No:	Analysis	Concentration	LOD	Units	Analyst	Date Completed
SAMPLE ID: HA-10 @ 8'	% MOISTURE EPA 3550C	12	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-10 @ 10'	% MOISTURE EPA 3550C	13	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-10 @ 12'	% MOISTURE EPA 3550C	12	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-11 @ 2'	% MOISTURE EPA 3550C	11	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-11 @ 4'	% MOISTURE EPA 3550C	14	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-11 @ 6'	% MOISTURE EPA 3550C	13	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-11 @ 8'	% MOISTURE EPA 3550C	15	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-11 @ 10'	% MOISTURE EPA 3550C	16	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-11 @ 12'	% MOISTURE EPA 3550C	17	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-11 @ 13.7'	% MOISTURE EPA 3550C	16	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-12 @ 1'	% MOISTURE EPA 3550C	19	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-12 @ 2'	% MOISTURE EPA 3550C	14	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-12 @ 3'	% MOISTURE EPA 3550C	14	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-12R @ 4'	% MOISTURE EPA 3550C	14	0.10	% OF SAMPLE	AS	4/14/2023

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

NAME:

PROJECT NO: 20-127

GTA PROJECT NO: 041423-

SAMPLED BY: JP/DB/JY - OMPC

DATE SAMPLED: 4/12/2023

LOCATION: CHARLTON 12

SAMPLE MATRIX: SOIL

DATE RECEIVED: 4/14/2023

TIME RECEIVED: 2:41 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: HA-12R @ 6'	% MOISTURE EPA 3550C	13	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-12R @ 7'	% MOISTURE EPA 3550C	14	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-12R @ 9'	% MOISTURE EPA 3550C	13	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-12R @ 11'	% MOISTURE EPA 3550C	14	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-13 @ 4'	% MOISTURE EPA 3550C	14	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-13 @ 6'	% MOISTURE EPA 3550C	14	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-13 @ 8'	% MOISTURE EPA 3550C	16	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-13 @ 10'	% MOISTURE EPA 3550C	14	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-13 @ 12'	% MOISTURE EPA 3550C	14	0.10	% OF SAMPLE	AS	4/14/2023
SAMPLE ID: HA-13 @ 14'	% MOISTURE EPA 3550C	14	0.10	% OF SAMPLE	AS	4/14/2023

10/13

CHAIN OF CUSTODY

PROJECT NUMBER 20-127	SITE NAME/ADDRESS Charlton 12	COMPANY/NAME Lambda Energy Resources
SAMPLED BY JP, DB, JY	COMPANY Otwell Mawby	GTA PROJECT # 041423-5

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	HA-5@6'	4/13/23	1220	Soil	HIPS, Hold SPLP HIPS
2	HA-5@8'	4/13/23	1320	Soil	HIPS, Hold SPLP HIPS
3	HA-5@10'	4/13/23	1400	Soil	HIPS, Hold SPLP HIPS
4	HA-7@6'	4/12/23	1100	Soil	HIPS, Hold SPLP HIPS
5	HA-7@8'	4/12/23	1210	Soil	HIPS, Hold SPLP HIPS
6	HA-7@10'	4/12/23	1300	Soil	HIPS, Hold SPLP HIPS
7	HA-8@8'	4/11/23	pm	Soil	HIPS, Hold SPLP HIPS
8	HA-8@10'	4/11/23	1240	Soil	HIPS, Hold SPLP HIPS
9	HA-8@12'	4/11/23	1330	Soil	HIPS, Hold SPLP HIPS
10	HA-8@14'	4/11/23	1425	Soil	HIPS, Hold SPLP HIPS
11	HA-9@8'	4/11/23	15:30	Soil	HIPS, Hold SPLP HIPS
12	HA-9@10'	4/11/23	16:15	Soil	HIPS, Hold SPLP HIPS
13	HA-9@12'	4/11/23	16:45	Soil	HIPS, Hold SPLP HIPS
14	HA-9@14'	4/11/23	17:15	Soil	HIPS, Hold SPLP HIPS
15	HA-10@8'	4/11/23	10:45	Soil	HIPS, Hold SPLP HIPS

BILL TO:

Lambda

TempRec: ☐

On Ice? ☒ ☐

3.9°C

REPORT TO:

Dan Barton

RELEASED BY

DATE/TIME

[Signature]

4/14/23 17:41

RECEIVED BY

DATE/TIME

[Signature]

4/14/23 1441

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

2 of 3

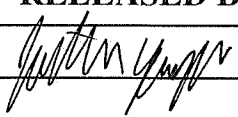
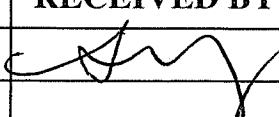
CHAIN OF CUSTODY

PROJECT NUMBER 20-127	SITE NAME/ADDRESS Charlton 12	COMPANY/NAME Lambda Energy Resources
SAMPLED BY JP, DB, JY	COMPANY Otwell Manby	GTA PROJECT # 041423-S

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
16	HA-10@10'	4/11/23	1100	Soil	HIPS, Hold SPLP HIPS
17	HA-10@12'	4/11/23	1125	Soil	HIPS, Hold SPLP HIPS
18	HA-11@2'	4/11/23	1425	Soil	HIPS, Hold SPLP HIPS
19	HA-11@4'	4/11/23	1615	Soil	HIPS, Hold SPLP HIPS
20	HA-11@6'	4/11/23	1214	Soil	HIPS, Hold SPLP HIPS
21	HA-11@8'	4/11/23	1240	Soil	HIPS, Hold SPLP HIPS
22	HA-11@10'	4/11/23	1325	Soil	HIPS, Hold SPLP HIPS
23	HA-11@12'	4/11/23	1400	Soil	HIPS, Hold SPLP HIPS
24	HA-11@13.7'	4/11/23	1740	Soil	HIPS, Hold SPLP HIPS
25	HA-12@1'	4/11/23	1509	Soil	HIPS, Hold SPLP HIPS
26	HA-12@2'	4/11/23	1517	Soil	HIPS, Hold SPLP HIPS
27	HA-12@3'	4/11/23	1525	Soil	HIPS, Hold SPLP HIPS
28	HA-12R@4'	4/12/23	1030	Soil	HIPS, Hold SPLP HIPS
29	HA-12R@6'	4/12/23	10:40	Soil	HIPS, Hold SPLP HIPS
30	HA-12R@7'	4/12/23	1130	Soil	HIPS, Hold SPLP HIPS

BILL TO: Lambda	TempRec: ☐ Y ☒ N On Ice? ☒ ☐ 3.9°C	REPORT TO: Dan Barton
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RELEASED BY 	DATE/TIME 4/14/23 14:41	RECEIVED BY 	DATE/TIME 4/14/23 14:41

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

30/3

CHAIN OF CUSTODY

PROJECT NUMBER 20-127	SITE NAME/ADDRESS Charlton 12	COMPANY/NAME
SAMPLED BY JP, DB, JY	COMPANY Ottwell Manby	GTA PROJECT # 041423-5

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
31	HA-12R@9'	4/12/23	1230	Soil	HIPS, Hold SPLP HIPS
32	HA-12R@11'	4/12/23	1330	Soil	HIPS, Hold SPLP HIPS
33	HA-13@4'	4/12/23	17:00	Soil	HIPS, Hold SPLP HIPS
34	HA-13@6'	4/13/23	1000	Soil	HIPS, Hold SPLP HIPS
35	HA-13@8'	4/13/23	1035	Soil	HIPS, Hold SPLP HIPS
36	HA-13@10'	4/13/23	1050	Soil	HIPS, Hold SPLP HIPS
37	HA-13@12'	4/13/23	1120	Soil	HIPS, Hold SPLP HIPS
38	HA-13@14'	4/13/23	1140	Soil	HIPS, Hold SPLP HIPS

BILL TO: Lambda	TempRec: ☐ 39°C	On Ice? ☒ Y ☐ N	REPORT TO: Dan Barton
RELEASED BY 	DATE/TIME 4/14/23 14:41	RECEIVED BY 	DATE/TIME 4/14/23 14:41
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			