



**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: JAGUAR ENERGY  
Name:  
ClientProj:

Site Addr: WEXFORD 1 TRANSFER FLOW LINE

GTA ProjNo: 062521-23

Sampled By: LMH-J/ECT  
Date Rec: 6/25/2021  
Time Rec: 4:11 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	F-1	6/24/2021		SOIL
2	F-2	6/24/2021		SOIL
3	F-3	6/24/2021		SOIL
4	NORTH SIDEWALL	6/24/2021		SOIL
5	SOUTH SIDEWALL	6/24/2021		SOIL
6	EAST SIDEWALL	6/24/2021		SOIL
7	WEST SIDEWALL	6/24/2021		SOIL
8	SW SIDEWALL	6/24/2021		SOIL
9	SE SIDEWALL	6/24/2021		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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SP: 231-590-0291  
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COMPANY: JAGUAR ENERGY  
 PROJECT NO:  
 LOCATION: WEXFORD 1 TRANSFER FLOW LINE  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: F-1

GTA PROJECT NO: 062521-23  
 GTA SAMPLE NO: 1  
 DATE SAMPLED: 6/24/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 6/25/2021  
 TIME RECEIVED: 4:11 PM  
 SAMPLED BY: LMH-J/ECT

**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	6/24/2021	6/27/2021	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: JAGUAR ENERGY  
 PROJECT NO:  
 LOCATION: WEXFORD 1 TRANSFER FLOW LINE  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: F-2

GTA PROJECT NO: 062521-23  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 6/24/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 6/25/2021  
 TIME RECEIVED: 4:11 PM  
 SAMPLED BY: LMH-J/ECT

**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	6/24/2021	6/27/2021	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: JAGUAR ENERGY  
 PROJECT NO:  
 LOCATION: WEXFORD 1 TRANSFER FLOW LINE  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: F-3

GTA PROJECT NO: 062521-23  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 6/24/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 6/25/2021  
 TIME RECEIVED: 4:11 PM  
 SAMPLED BY: LMH-J/ECT

**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	6/24/2021	6/27/2021	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: JAGUAR ENERGY  
 PROJECT NO:  
 LOCATION: WEXFORD 1 TRANSFER FLOW LINE  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: NORTH SIDEWALL

GTA PROJECT NO: 062521-23  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 6/24/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 6/25/2021  
 TIME RECEIVED: 4:11 PM

SAMPLED BY: LMH-J/ECT

**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	6/24/2021	6/27/2021	EPA 5035A
Toluene	140	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: JAGUAR ENERGY  
 PROJECT NO:  
 LOCATION: WEXFORD 1 TRANSFER FLOW LINE  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: SOUTH SIDEWALL

GTA PROJECT NO: 062521-23  
 GTA SAMPLE NO: 5  
 DATE SAMPLED: 6/24/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 6/25/2021  
 TIME RECEIVED: 4:11 PM  
 SAMPLED BY: LMH-J/ECT

**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	6/24/2021	6/27/2021	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: JAGUAR ENERGY  
 PROJECT NO:  
 LOCATION: WEXFORD 1 TRANSFER FLOW LINE  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: EAST SIDEWALL

GTA PROJECT NO: 062521-23  
 GTA SAMPLE NO: 6  
 DATE SAMPLED: 6/24/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 6/25/2021  
 TIME RECEIVED: 4:11 PM

SAMPLED BY: LMH-J/ECT

**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	6/24/2021	6/27/2021	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: JAGUAR ENERGY  
 PROJECT NO:  
 LOCATION: WEXFORD 1 TRANSFER FLOW LINE  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: WEST SIDEWALL

GTA PROJECT NO: 062521-23  
 GTA SAMPLE NO: 7  
 DATE SAMPLED: 6/24/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 6/25/2021  
 TIME RECEIVED: 4:11 PM

SAMPLED BY: LMH-J/ECT

**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	6/24/2021	6/27/2021	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  
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COMPANY: JAGUAR ENERGY  
 PROJECT NO:  
 LOCATION: WEXFORD 1 TRANSFER FLOW LINE  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: SW SIDEWALL

GTA PROJECT NO: 062521-23  
 GTA SAMPLE NO: 8  
 DATE SAMPLED: 6/24/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 6/25/2021  
 TIME RECEIVED: 4:11 PM

SAMPLED BY: LMH-J/ECT

**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	6/24/2021	6/27/2021	EPA 5035A
Toluene	170	50					
Ethylbenzene	100	50					
Xylene(Total)	1,100	150					
1,2,4-Trimethylbenzene	180	50					
1,3,5-Trimethylbenzene	70	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: JAGUAR ENERGY  
 PROJECT NO:  
 LOCATION: WEXFORD 1 TRANSFER FLOW LINE  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: SE SIDEWALL

GTA PROJECT NO: 062521-23  
 GTA SAMPLE NO: 9  
 DATE SAMPLED: 6/24/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 6/25/2021  
 TIME RECEIVED: 4:11 PM

SAMPLED BY: LMH-J/ECT

**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	6/24/2021	6/27/2021	EPA 5035A
Toluene	66	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



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COMPANY: JAGUAR ENERGY

GTA PROJECT NO: 062521-23

PROJECT NO:

GTA SAMPLE NO: 1

LOCATION: WEXFORD 1 TRANSFER FLOW LINE

DATE SAMPLED: 6/24/2021

TIME SAMPLED:

DATE RECEIVED: 6/25/2021

TIME RECEIVED: 4:11 PM

MI

SAMPLED BY: LMH-J/ECT

**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: F-1		ND	89	mg/Kg (PPM)	LV/AS	6/30/2021	SOIL
CHLORIDE EPA 300.0							

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



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COMPANY: JAGUAR ENERGY

NAME:  
PROJECT NO:

LOCATION: WEXFORD 1 TRANSFER FLOW LINE

MI

GTA PROJECT NO: 062521-  
SAMPLED BY: LMH-J/ECT

DATE SAMPLED: 6/24/2021  
TIME SAMPLED:

SAMPLE MATRIX: SOIL

DATE RECEIVED: 6/25/2021  
TIME RECEIVED: 4:11 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: F-2 % MOISTURE EPA 3550C	6.9	0.050	% OF SAMPLE	AS	6/25/2021
SAMPLE ID: F-3 % MOISTURE EPA 3550C	6.0	0.050	% OF SAMPLE	AS	6/25/2021
SAMPLE ID: NORTH SIDEWALL % MOISTURE EPA 3550C	6.5	0.050	% OF SAMPLE	AS	6/25/2021
SAMPLE ID: SOUTH SIDEWALL % MOISTURE EPA 3550C	8.5	0.050	% OF SAMPLE	AS	6/25/2021
SAMPLE ID: EAST SIDEWALL % MOISTURE EPA 3550C	8.8	0.050	% OF SAMPLE	AS	6/25/2021
SAMPLE ID: WEST SIDEWALL % MOISTURE EPA 3550C	10	0.050	% OF SAMPLE	AS	6/25/2021
SAMPLE ID: SW SIDEWALL % MOISTURE EPA 3550C	7.3	0.050	% OF SAMPLE	AS	6/25/2021
SAMPLE ID: SE SIDEWALL % MOISTURE EPA 3550C	7.1	0.050	% OF SAMPLE	AS	6/25/2021

**CHAIN OF CUSTODY**

PROJECT NUMBER	SITE NAME/ADDRESS	COMPANY/NAME
	Wexford 1 Transfer Flow Line	Jaguar Energy
SAMPLED BY	COMPANY	GTA PROJECT #
LMH-J	ECT	062521-23

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	F-1	6-24-21		SOIL	BTEX+4 & CL
2	F-2	↓	↓	↓	BTEX+4
3	F-3				
4	NORTH SIDEWALL				
5	SOUTH SIDEWALL				
6	EAST SIDEWALL				
7	WEST SIDEWALL				
8	SW SIDEWALL				
9	SE SIDE WALL				

BILL TO: <u>NEW</u> Jaguar Energy I need to get you the address	TempRec: <input type="checkbox"/> 3.90C	On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	REPORT TO: Lisa
RELEASED BY Lisa H. Jones 6/24/21 4:11D	DATE/TIME	RECEIVED BY K. [Signature]	DATE/TIME 6/24/21 4:11pm

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