



**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: BCOOC  
Name:  
ClientProj: 4035  
GTA ProjNo: 081320-6

Site Addr: SPIRIT OF ONEKAMA  
5028 MAIN ST  
ONEKAMA  
Sampled By: DOUG HULL/COMPLIANCE INC.  
Date Rec: 8/13/2020  
Time Rec: 2:26 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	HA-1 1'	8/12/2020		SOIL
2	HA-2 1'	8/12/2020		SOIL
3	HA-3 1'	8/12/2020		SOIL
4	HA-4 1'	8/12/2020		SOIL
5	HA-5 1'	8/12/2020		SOIL
6	HA-6 1'	8/12/2020		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  
Ph: 231-929-0905  
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SP: 231-590-0291  
[kirk@gtanalytical.com](mailto:kirk@gtanalytical.com)



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COMPANY: BCOC  
 PROJECT NO: 4035  
 LOCATION: SPIRIT OF ONEKAMA  
 5028 MAIN ST  
 ONEKAMA  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: HA-1 1'

GTA PROJECT NO: 081320-6  
 GTA SAMPLE NO: 1  
 DATE SAMPLED: 8/12/2020  
 TIME SAMPLED:  
 DATE RECEIVED: 8/13/2020  
 TIME RECEIVED: 2:26 PM

SAMPLED BY: DOUG HULL/COMPLIANCE INC.  
 \*\*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	8/12/2020	8/14/2020	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Methyl-t-Butyl Ether	ND	250					
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: BCOC  
 PROJECT NO: 4035  
 LOCATION: SPIRIT OF ONEKAMA  
 5028 MAIN ST  
 ONEKAMA  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: HA-2 1'

GTA PROJECT NO: 081320-6  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 8/12/2020  
 TIME SAMPLED:  
 DATE RECEIVED: 8/13/2020  
 TIME RECEIVED: 2:26 PM

SAMPLED BY: DOUG HULL/COMPLIANCE INC.  
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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>
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Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: BCOC  
 PROJECT NO: 4035  
 LOCATION: SPIRIT OF ONEKAMA  
 5028 MAIN ST  
 ONEKAMA  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: HA-3 1'

GTA PROJECT NO: 081320-6  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 8/12/2020  
 TIME SAMPLED:  
 DATE RECEIVED: 8/13/2020  
 TIME RECEIVED: 2:26 PM

SAMPLED BY: DOUG HULL/COMPLIANCE INC.  
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**EPA 8260B VOLATILE ORGANICS**

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Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: BCOC  
 PROJECT NO: 4035  
 LOCATION: SPIRIT OF ONEKAMA  
 5028 MAIN ST  
 ONEKAMA  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: HA-4 1'

GTA PROJECT NO: 081320-6  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 8/12/2020  
 TIME SAMPLED:  
 DATE RECEIVED: 8/13/2020  
 TIME RECEIVED: 2:26 PM

SAMPLED BY: DOUG HULL/COMPLIANCE INC.  
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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>
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Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: BCOC  
 PROJECT NO: 4035  
 LOCATION: SPIRIT OF ONEKAMA  
 5028 MAIN ST  
 ONEKAMA  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: HA-5 1'

GTA PROJECT NO: 081320-6  
 GTA SAMPLE NO: 5  
 DATE SAMPLED: 8/12/2020  
 TIME SAMPLED:  
 DATE RECEIVED: 8/13/2020  
 TIME RECEIVED: 2:26 PM

SAMPLED BY: DOUG HULL/COMPLIANCE INC.  
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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>
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Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
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COMPANY: BCOC  
 PROJECT NO: 4035  
 LOCATION: SPIRIT OF ONEKAMA  
 5028 MAIN ST  
 ONEKAMA  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: HA-6 1'

GTA PROJECT NO: 081320-6  
 GTA SAMPLE NO: 6  
 DATE SAMPLED: 8/12/2020  
 TIME SAMPLED:  
 DATE RECEIVED: 8/13/2020  
 TIME RECEIVED: 2:26 PM

SAMPLED BY: DOUG HULL/COMPLIANCE INC.  
 \*\*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>
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Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: BCOC

NAME:  
PROJECT NO: 4035

LOCATION: SPIRIT OF ONEKAMA  
5028 MAIN ST  
ONEKAMA  
MI

GTA PROJECT NO: 081320-6  
SAMPLED BY: DOUG HULL/COMPLIANCE INC.

DATE SAMPLED: 8/12/2020  
TIME SAMPLED:

SAMPLE MATRIX: SOIL

DATE RECEIVED: 8/13/2020  
TIME RECEIVED: 2:26 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: HA-1 1'	% MOISTURE EPA 3550C	3.4	0.050	% OF SAMPLE	AS	8/13/2020
SAMPLE ID: HA-2 1'	% MOISTURE EPA 3550C	8.6	0.050	% OF SAMPLE	AS	8/13/2020
SAMPLE ID: HA-3 1'	% MOISTURE EPA 3550C	3.0	0.050	% OF SAMPLE	AS	8/13/2020
SAMPLE ID: HA-4 1'	% MOISTURE EPA 3550C	1.0	0.050	% OF SAMPLE	AS	8/13/2020
SAMPLE ID: HA-5 1'	% MOISTURE EPA 3550C	1.9	0.050	% OF SAMPLE	AS	8/13/2020
SAMPLE ID: HA-6 1'	% MOISTURE EPA 3550C	0.49	0.050	% OF SAMPLE	AS	8/13/2020

**CHAIN OF CUSTODY**

PROJECT NUMBER <i>4035</i>	SITE NAME/ADDRESS <i>Spirit of Onokama 5028 Main St., Onokama, MI</i>	COMPANY/NAME <i>Blarney Castle Oil Co,</i>
SAMPLED BY <i>Dooy Hull</i>	COMPANY <i>Compliance, Inc.</i>	GTA PROJECT # <i>081320-6</i>

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
<i>1</i>	<i>HA-1 1'</i>	<i>8-12-20</i>		<i>soil</i>	<i>BTEX</i>
<i>2</i>	<i>HA-2 1'</i>	<i>8-12-20</i>		<i>soil</i>	<i>MTBE</i>
<i>3</i>	<i>HA-3 1'</i>	<i>8-12-20</i>		<i>soil</i>	<i>1,2,4-TMB</i>
<i>4</i>	<i>HA-4 1'</i>	<i>8-12-20</i>		<i>soil</i>	<i>1,3,5-TMB</i>
<i>5</i>	<i>HA-5 1'</i>	<i>8-12-20</i>		<i>soil</i>	<i>2-Methylnaphthalene</i>
<i>6</i>	<i>HA-6 1'</i>	<i>8-12-20</i>		<i>soil</i>	<i>Naphthalene</i>

<b>BILL TO:</b> <i>Compliance, Inc.</i>	<b>REPORT TO:</b> <i>hulk@complianceinc.com</i>
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RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
<i>Dooy Hull</i>	<i>8-12-20 10:00 PM</i>	<i>Compliance, Inc. Cold Storage</i>	<i>8-12-20 10:00 PM</i>
<i>Compliance, Inc. Cold Storage</i>	<i>8-13-20 2:26 PM</i>	<i>Dooy Hull</i>	<i>8-13-20 2:05 PM</i>
<i>Dooy Hull</i>	<i>8-13-20 2:26 PM</i>	<i>Alex</i>	<i>8/13/20 2:26 rec 40°C</i>

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