



**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: BCOC  
Name:  
ClientProj: 4078  
GTA ProjNo: 083019-11

Site Addr: NORTHSIDE EZ MART

Sampled By: DOUG HULL/COMPLIANCE INC.  
Date Rec: 8/30/2019  
Time Rec: 2:37 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	B-1 16.5'	8/27/2019		SOIL
2	B-2 14.3'	8/27/2019		SOIL
3	B-2 19'	8/27/2019		SOIL
4	B-3 13'	8/27/2019		SOIL
5	B-3 14'	8/27/2019		SOIL
6	B-4 13'	8/27/2019		SOIL
7	B-5 13.5	8/27/2019		SOIL
8	B-5 17.5	8/27/2019		SOIL
9	B-5 20.5	8/27/2019		SOIL
10	B-6 13.5	8/27/2019		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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SP: 231-590-0291  
[kirk@gtanalytical.com](mailto:kirk@gtanalytical.com)



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COMPANY: BCOC  
 PROJECT NO: 4078  
 LOCATION: NORTHSIDE EZ MART  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: B-1 16.5'

GTA PROJECT NO: 083019-11  
 GTA SAMPLE NO: 1  
 DATE SAMPLED: 8/27/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 8/30/2019  
 TIME RECEIVED: 2:37 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	8/27/2019	9/5/2019	EPA 5035A
Toluene	ND	50					
Ethylbenzene	110	50					
Xylene(Total)	630	150					
1,2,4-Trimethylbenzene	680	50					
1,3,5-Trimethylbenzene	190	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

COMPANY: BCOC  
 PROJECT NO: 4078  
 LOCATION: NORTHSIDE EZ MART  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: B-2 14.3'

GTA PROJECT NO: 083019-11  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 8/27/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 8/30/2019  
 TIME RECEIVED: 2:37 PM

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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	8/27/2019	9/5/2019	EPA 5035A
Toluene	1,900	50					
Ethylbenzene	4,100	50					
Xylene(Total)	51,000	900					
1,2,4-Trimethylbenzene	120,000	300					
1,3,5-Trimethylbenzene	80,000	300					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	5,200	250					
2-Methylnaphthalene	37,000	750					

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COMPANY: BCOC  
 PROJECT NO: 4078  
 LOCATION: NORTHSIDE EZ MART  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: B-2 19'

GTA PROJECT NO: 083019-11  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 8/27/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 8/30/2019  
 TIME RECEIVED: 2:37 PM

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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	8/27/2019	9/5/2019	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	450	50					
1,3,5-Trimethylbenzene	140	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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 LOD = LIMIT OF DETECTION

COMPANY: BCOC  
 PROJECT NO: 4078  
 LOCATION: NORTHSIDE EZ MART  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: B-3 13'

GTA PROJECT NO: 083019-11  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 8/27/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 8/30/2019  
 TIME RECEIVED: 2:37 PM

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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	8/27/2019	9/5/2019	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	950	50					
1,3,5-Trimethylbenzene	3,800	50					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: BCOC  
 PROJECT NO: 4078  
 LOCATION: NORTHSIDE EZ MART  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: B-3 14'

GTA PROJECT NO: 083019-11  
 GTA SAMPLE NO: 5  
 DATE SAMPLED: 8/27/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 8/30/2019  
 TIME RECEIVED: 2:37 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>
Benzene	ND	50	ug/Kg (PPB)	MR	8/27/2019	9/5/2019	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	110	50					
1,3,5-Trimethylbenzene	270	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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 LOD = LIMIT OF DETECTION

COMPANY: BCOC  
 PROJECT NO: 4078  
 LOCATION: NORTHSIDE EZ MART  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: B-4 13'

GTA PROJECT NO: 083019-11  
 GTA SAMPLE NO: 6  
 DATE SAMPLED: 8/27/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 8/30/2019  
 TIME RECEIVED: 2:37 PM

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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	8/27/2019	9/5/2019	EPA 5035A
Toluene	1,100	500					
Ethylbenzene	12,000	500					
Xylene(Total)	150,000	1,500					
1,2,4-Trimethylbenzene	470,000	500					
1,3,5-Trimethylbenzene	140,000	500					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	37,000	500					
2-Methylnaphthalene	70,000	500					

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

COMPANY: BCOC  
 PROJECT NO: 4078  
 LOCATION: NORTHSIDE EZ MART  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: B-5 13.5

GTA PROJECT NO: 083019-11  
 GTA SAMPLE NO: 7  
 DATE SAMPLED: 8/27/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 8/30/2019  
 TIME RECEIVED: 2:37 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	55	ug/Kg (PPB)	MR	8/27/2019	9/5/2019	EPA 5035A
Toluene	6,800	55					
Ethylbenzene	39,000	55					
Xylene(Total)	250,000	110					
1,2,4-Trimethylbenzene	180,000	55					
1,3,5-Trimethylbenzene	96,000	55					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	38,000	250					
2-Methylnaphthalene	93,000	250					

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

COMPANY: BCOC  
 PROJECT NO: 4078  
 LOCATION: NORTHSIDE EZ MART  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: B-5 17.5

GTA PROJECT NO: 083019-11  
 GTA SAMPLE NO: 8  
 DATE SAMPLED: 8/27/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 8/30/2019  
 TIME RECEIVED: 2:37 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	8/27/2019	9/5/2019	EPA 5035A
Toluene	ND	50					
Ethylbenzene	280	50					
Xylene(Total)	1,500	150					
1,2,4-Trimethylbenzene	520	50					
1,3,5-Trimethylbenzene	190	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

COMPANY: BCOC  
 PROJECT NO: 4078  
 LOCATION: NORTHSIDE EZ MART  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: B-5 20.5

GTA PROJECT NO: 083019-11  
 GTA SAMPLE NO: 9  
 DATE SAMPLED: 8/27/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 8/30/2019  
 TIME RECEIVED: 2:37 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	8/27/2019	9/5/2019	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
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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 LOD = LIMIT OF DETECTION

COMPANY: BCOC  
 PROJECT NO: 4078  
 LOCATION: NORTHSIDE EZ MART  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: B-6 13.5

GTA PROJECT NO: 083019-11  
 GTA SAMPLE NO: 10  
 DATE SAMPLED: 8/27/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 8/30/2019  
 TIME RECEIVED: 2:37 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	8/27/2019	9/5/2019	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	76	50					
1,3,5-Trimethylbenzene	690	50					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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 LOD = LIMIT OF DETECTION



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COMPANY: BCOC  
 NAME:  
 PROJECT NO: 4078  
 LOCATION: NORTHSIDE EZ MART

GTA PROJECT NO: 083019-11  
 GTA SAMPLE NO: 1

DATE SAMPLED: 8/27/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 8/30/2019  
 TIME RECEIVED: 2:37 PM

MI  
 SAMPLED BY: DOUG HULL/COMPLIANCE INC.

**ORGANICS**

<u>No:</u>	<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>
SAMPLE ID:	B-1 16.5'							
SAMPLE MATRIX:	SOIL							
GASOLINE RANGE ORGANICS (GRO) EPA 8015M		88	40	mg/Kg (PPM)	MR	8/30/2019	9/10/2019	EPA 5035A

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
 ND = NOT DETECTED, RESULT < LOD  
 LOD = LIMIT OF DETECTION

COMPANY: BCOC  
 NAME:  
 PROJECT NO: 4078  
 LOCATION: NORTHSIDE EZ MART  
 MI  
 SAMPLED BY: DOUG HULL/COMPLIANCE INC.

GTA PROJECT NO: 083019-11  
 GTA SAMPLE NO: 6  
 DATE SAMPLED: 8/27/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 8/30/2019  
 TIME RECEIVED: 2:37 PM

**ORGANICS**

<u>No:</u>	<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>
SAMPLE ID:	B-4 13'							
SAMPLE MATRIX:	SOIL							
GASOLINE RANGE ORGANICS (GRO) EPA 8015M		14,000	200	mg/Kg (PPM)	MR	8/30/2019	9/5/2019	EPA 5035A

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
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PH: 231-929-0905

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COMPANY: BCOG

NAME:  
PROJECT NO: 4078

LOCATION: NORTHSIDE EZ MART  
  
MI

GTA PROJECT NO: 083019-  
SAMPLED BY: DOUG HULL/COMPLIANCE INC.

DATE SAMPLED: 8/27/2019  
TIME SAMPLED:

SAMPLE MATRIX: SOIL

DATE RECEIVED: 8/30/2019  
TIME RECEIVED: 2:37 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: B-1 16.5' % MOISTURE EPA 3550C	18	0.050	% OF	AS	8/30/2019
SAMPLE ID: B-2 14.3' % MOISTURE EPA 3550C	16	0.050	% OF	AS	8/30/2019
SAMPLE ID: B-2 19' % MOISTURE EPA 3550C	15	0.050	% OF	AS	8/30/2019
SAMPLE ID: B-3 13' % MOISTURE EPA 3550C	15	0.050	% OF	AS	8/30/2019
SAMPLE ID: B-3 14' % MOISTURE EPA 3550C	16	0.050	% OF	AS	8/30/2019
SAMPLE ID: B-4 13' % MOISTURE EPA 3550C	16	0.050	% OF	AS	8/30/2019
SAMPLE ID: B-5 13.5 % MOISTURE EPA 3550C	13	0.050	% OF	AS	8/30/2019
SAMPLE ID: B-5 17.5 % MOISTURE EPA 3550C	15	0.050	% OF	AS	8/30/2019
SAMPLE ID: B-5 20.5 % MOISTURE EPA 3550C	11	0.050	% OF	AS	8/30/2019
SAMPLE ID: B-6 13.5 % MOISTURE EPA 3550C	15	0.050	% OF	AS	8/30/2019

**CHAIN OF CUSTODY**

PROJECT NUMBER <b>4078</b>	SITE NAME/ADDRESS <b>Northside EZ Mart</b>	COMPANY/NAME <b>Blarney Castle Oil Co.</b>
SAMPLED BY <b>Doug Hull</b>	COMPANY <b>Compliance, Inc.</b>	GTA PROJECT # <b>083019-11</b>

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	B-1 16.5'	8/27/19		Soil	(A) BTEX
2	B-2 14.3'		(A) MTBE		
3	B-2 19'		(A) Naphthalene		
4	B-3 13'		(A) 2-Methylnapthalene		
5	B-3 14'		(A) 1,2,4 TMB		
6	B-4 13'		(A)(B) 1,3,5 TMB		
7	B-5 13.5		(A)		
8	B-5 17.5		(A)		
9	B-5 20.5		(A) (B) TPH-GRO		
10	B-6 13.5		(A)		

**BILL TO:**

*Compliance, Inc.*

**REPORT TO:**

*Doug Hull*

*see -1°C on ice*

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
<i>Doug Hull</i>	<i>8/27/19</i>	<i>Compliance, Inc. 4°C Storage</i>	<i>8/27/19 7:00pm</i>
<i>Compliance, Inc. 4°C Storage</i>	<i>8/30/19 2:05pm</i>	<i>Doug Hull</i>	<i>8/30/19 2:15pm</i>
<i>Doug Hull</i>	<i>8/30/19 2:37</i>	<i>[Signature]</i>	<i>8/30/19 2:37A</i>

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