



**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: BCOG  
Name:  
ClientProj: 4035  
GTA ProjNo: 081320-7

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          | MW-105    | 8/13/2020    | 1:40 PM      | WATER         |
| 2          | MW-106    | 8/13/2020    | 2:20 PM      | WATER         |
| 3          | MW-1SR    | 8/13/2020    | 3:40 PM      | WATER         |
| 4          | MW-112    | 8/13/2020    | 4:30 PM      | WATER         |
| 5          | MW-107    | 8/13/2020    | 3:10 PM      | WATER         |
| 6          | CB-1      | 8/13/2020    | 5:40 PM      | WATER         |
| 7          | MH-1D     | 8/13/2020    | 6:15 PM      | WATER         |
| 8          | MH-2C     | 8/13/2020    | 6:30 PM      | WATER         |
| 9          | OF-1      | 8/13/2020    | 7:00 PM      | WATER         |

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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[kirk@gtanalytical.com](mailto:kirk@gtanalytical.com)



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|                |                           |                 |           |
|----------------|---------------------------|-----------------|-----------|
| COMPANY:       | BCOC                      | GTA PROJECT NO: | 081320-7  |
| PROJECT NO:    | 4035                      | GTA SAMPLE NO:  | 6         |
| LOCATION:      | SPIRIT OF ONEKAMA         | DATE SAMPLED:   | 8/13/2020 |
|                | 5028 MAIN ST              | TIME SAMPLED:   | 5:40 PM   |
|                | ONEKAMA                   | DATE RECEIVED:  | 8/13/2020 |
|                | MI                        | TIME RECEIVED:  | 2:26 PM   |
| SAMPLED BY:    | DOUG HULL/COMPLIANCE INC. | SAMPLE ID:      | CB-1      |
| SAMPLE MATRIX: | WATER                     |                 |           |

**EPA 8260B VOLATILE ORGANICS**

| <u>Analysis</u>        | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date<br/>Extracted</u> | <u>Date<br/>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------|--------------------------|--------------------|
| Benzene                | 2.3                  | 1.0        | ug/L (PPB)   | MR             |                           | 8/14/2020                | EPA 5030B          |
| Toluene                | ND                   | 1.0        |              |                |                           |                          |                    |
| Ethylbenzene           | 1.2                  | 1.0        |              |                |                           |                          |                    |
| Xylene(Total)          | 5.1                  | 3.0        |              |                |                           |                          |                    |
| 1,2,4-Trimethylbenzene | 2.2                  | 1.0        |              |                |                           |                          |                    |
| 1,3,5-Trimethylbenzene | ND                   | 1.0        |              |                |                           |                          |                    |
| Methyl-t-Butyl Ether   | ND                   | 5.0        |              |                |                           |                          |                    |
| Naphthalene            | 9.2                  | 5.0        |              |                |                           |                          |                    |
| 2-Methylnaphthalene    | 11                   | 5.0        |              |                |                           |                          |                    |
| 1,2-Dibromoethane      | ND                   | 1.0        |              |                |                           |                          |                    |
| 1,2-Dichloroethane     | ND                   | 1.0        |              |                |                           |                          |                    |

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT

ND = NOT DETECTED

LOD = LIMIT OF DETECTION



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|                |                           |                 |           |
|----------------|---------------------------|-----------------|-----------|
| COMPANY:       | BCOC                      | GTA PROJECT NO: | 081320-7  |
| PROJECT NO:    | 4035                      | GTA SAMPLE NO:  | 7         |
| LOCATION:      | SPIRIT OF ONEKAMA         | DATE SAMPLED:   | 8/13/2020 |
|                | 5028 MAIN ST              | TIME SAMPLED:   | 6:15 PM   |
|                | ONEKAMA                   | DATE RECEIVED:  | 8/13/2020 |
|                | MI                        | TIME RECEIVED:  | 2:26 PM   |
| SAMPLED BY:    | DOUG HULL/COMPLIANCE INC. | SAMPLE ID:      | MH-1D     |
| SAMPLE MATRIX: | WATER                     |                 |           |

**EPA 8260B VOLATILE ORGANICS**

| <u>Analysis</u>        | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date<br/>Extracted</u> | <u>Date<br/>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------|--------------------------|--------------------|
| Benzene                | ND                   | 1.0        | ug/L (PPB)   | MR             |                           | 8/14/2020                | 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        |              |                |                           |                          |                    |
| Methyl-t-Butyl Ether   | ND                   | 5.0        |              |                |                           |                          |                    |
| Naphthalene            | ND                   | 5.0        |              |                |                           |                          |                    |
| 2-Methylnaphthalene    | ND                   | 5.0        |              |                |                           |                          |                    |
| 1,2-Dibromoethane      | ND                   | 1.0        |              |                |                           |                          |                    |
| 1,2-Dichloroethane     | ND                   | 1.0        |              |                |                           |                          |                    |

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COMPANY: BCOC  
 PROJECT NO: 4035  
 LOCATION: SPIRIT OF ONEKAMA  
 5028 MAIN ST  
 ONEKAMA  
 MI  
 SAMPLED BY: DOUG HULL/COMPLIANCE INC.  
 SAMPLE MATRIX: WATER

GTA PROJECT NO: 081320-7  
 GTA SAMPLE NO: 8  
 DATE SAMPLED: 8/13/2020  
 TIME SAMPLED: 6:30 PM  
 DATE RECEIVED: 8/13/2020  
 TIME RECEIVED: 2:26 PM  
 SAMPLE ID: MH-2C

**EPA 8260B VOLATILE ORGANICS**

| <u>Analysis</u>        | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date<br/>Extracted</u> | <u>Date<br/>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------|--------------------------|--------------------|
| Benzene                | ND                   | 1.0        | ug/L (PPB)   | MR             |                           | 8/14/2020                | 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        |              |                |                           |                          |                    |
| Methyl-t-Butyl Ether   | ND                   | 5.0        |              |                |                           |                          |                    |
| Naphthalene            | ND                   | 5.0        |              |                |                           |                          |                    |
| 2-Methylnaphthalene    | ND                   | 5.0        |              |                |                           |                          |                    |
| 1,2-Dibromoethane      | ND                   | 1.0        |              |                |                           |                          |                    |
| 1,2-Dichloroethane     | ND                   | 1.0        |              |                |                           |                          |                    |

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT

ND = NOT DETECTED

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COMPANY: BCOC  
 PROJECT NO: 4035  
 LOCATION: SPIRIT OF ONEKAMA  
 5028 MAIN ST  
 ONEKAMA  
 MI  
 SAMPLED BY: DOUG HULL/COMPLIANCE INC.  
 SAMPLE MATRIX: WATER

GTA PROJECT NO: 081320-7  
 GTA SAMPLE NO: 9  
 DATE SAMPLED: 8/13/2020  
 TIME SAMPLED: 7:00 PM  
 DATE RECEIVED: 8/13/2020  
 TIME RECEIVED: 2:26 PM  
 SAMPLE ID: OF-1

**EPA 8260B VOLATILE ORGANICS**

| <u>Analysis</u>        | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date<br/>Extracted</u> | <u>Date<br/>Complete</u> | <u>Prep Method</u> |
|------------------------|----------------------|------------|--------------|----------------|---------------------------|--------------------------|--------------------|
| Benzene                | ND                   | 1.0        | ug/L (PPB)   | MR             |                           | 8/14/2020                | 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        |              |                |                           |                          |                    |
| Methyl-t-Butyl Ether   | ND                   | 5.0        |              |                |                           |                          |                    |
| Naphthalene            | ND                   | 5.0        |              |                |                           |                          |                    |
| 2-Methylnaphthalene    | ND                   | 5.0        |              |                |                           |                          |                    |
| 1,2-Dibromoethane      | ND                   | 1.0        |              |                |                           |                          |                    |
| 1,2-Dichloroethane     | ND                   | 1.0        |              |                |                           |                          |                    |

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT

ND = NOT DETECTED

LOD = LIMIT OF DETECTION



**INDEPENDENT TESTING LAB**

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PH: 231-929-0905

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COMPANY: BCOC  
PROJECT NO: 4035  
LOCATION: SPIRIT OF ONEKAMA  
5028 MAIN ST  
ONEKAMA  
MI  
SAMPLED BY: DOUG HULL/COMPLIANCE INC.  
SAMPLE MATRIX: WATER

GTA PROJECT NO: 081320-7  
GTA SAMPLE NO: 1  
DATE SAMPLED: 8/13/2020  
TIME SAMPLED: 1:40 PM  
DATE RECEIVED: 8/13/2020  
TIME RECEIVED: 2:26 PM

**METALS**

| <u>No:</u>        | <u>Analysis</u>      | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date Complete</u> | <u>Digestion Method</u> |
|-------------------|----------------------|----------------------|------------|--------------|----------------|----------------------|-------------------------|
| SAMPLE ID: MW-105 |                      |                      |            |              |                |                      |                         |
| 1                 | LEAD TOTAL EPA 6020A | ND                   | 0.0010     | mg/L (PPM)   | MR             | 8/17/2020            | EPA 3005A               |

ND = NOT DETECTED, RESULT < LOD.  
LOD = LIMIT OF DETECTION  
DISS = DISSOLVED

COMPANY: BCOC  
 PROJECT NO: 4035  
 LOCATION: SPIRIT OF ONEKAMA  
 5028 MAIN ST  
 ONEKAMA  
 MI  
 SAMPLED BY: DOUG HULL/COMPLIANCE INC.  
 SAMPLE MATRIX: WATER

GTA PROJECT NO: 081320-7  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 8/13/2020  
 TIME SAMPLED: 2:20 PM  
 DATE RECEIVED: 8/13/2020  
 TIME RECEIVED: 2:26 PM

**METALS**

| <u>No:</u>        | <u>Analysis</u>      | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date Complete</u> | <u>Digestion Method</u> |
|-------------------|----------------------|----------------------|------------|--------------|----------------|----------------------|-------------------------|
| SAMPLE ID: MW-106 |                      |                      |            |              |                |                      |                         |
| 2                 | LEAD TOTAL EPA 6020A | 0.0038               | 0.0010     | mg/L (PPM)   | MR             | 8/17/2020            | EPA 3005A               |

ND = NOT DETECTED, RESULT < LOD.  
 LOD = LIMIT OF DETECTION  
 DISS = DISSOLVED

COMPANY: BCOC  
 PROJECT NO: 4035  
 LOCATION: SPIRIT OF ONEKAMA  
 5028 MAIN ST  
 ONEKAMA  
 MI  
 SAMPLED BY: DOUG HULL/COMPLIANCE INC.  
 SAMPLE MATRIX: WATER

GTA PROJECT NO: 081320-7  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 8/13/2020  
 TIME SAMPLED: 3:40 PM  
 DATE RECEIVED: 8/13/2020  
 TIME RECEIVED: 2:26 PM

**METALS**

| <u>No:</u> | <u>Analysis</u>      | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date Complete</u> | <u>Digestion Method</u> |
|------------|----------------------|----------------------|------------|--------------|----------------|----------------------|-------------------------|
| 3          | LEAD TOTAL EPA 6020A | 0.0023               | 0.0010     | mg/L (PPM)   | MR             | 8/17/2020            | EPA 3005A               |

ND = NOT DETECTED, RESULT < LOD.  
 LOD = LIMIT OF DETECTION  
 DISS = DISSOLVED

COMPANY: BCOC  
 PROJECT NO: 4035  
 LOCATION: SPIRIT OF ONEKAMA  
 5028 MAIN ST  
 ONEKAMA  
 MI  
 SAMPLED BY: DOUG HULL/COMPLIANCE INC.  
 DATE SAMPLED: 8/13/2020  
 TIME SAMPLED: 4:30 PM  
 DATE RECEIVED: 8/13/2020  
 TIME RECEIVED: 2:26 PM  
 GTA PROJECT NO: 081320-7  
 GTA SAMPLE NO: 4  
 SAMPLE MATRIX: WATER

**METALS**

| <u>No:</u>        | <u>Analysis</u>      | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date Complete</u> | <u>Digestion Method</u> |
|-------------------|----------------------|----------------------|------------|--------------|----------------|----------------------|-------------------------|
| SAMPLE ID: MW-112 |                      |                      |            |              |                |                      |                         |
| 4                 | LEAD TOTAL EPA 6020A | ND                   | 0.0010     | mg/L (PPM)   | MR             | 8/17/2020            | EPA 3005A               |

ND = NOT DETECTED, RESULT < LOD.  
 LOD = LIMIT OF DETECTION  
 DISS = DISSOLVED

COMPANY: BCOC  
 PROJECT NO: 4035  
 LOCATION: SPIRIT OF ONEKAMA  
 5028 MAIN ST  
 ONEKAMA  
 MI  
 SAMPLED BY: DOUG HULL/COMPLIANCE INC.  
 SAMPLE MATRIX: WATER

GTA PROJECT NO: 081320-7  
 GTA SAMPLE NO: 5  
 DATE SAMPLED: 8/13/2020  
 TIME SAMPLED: 3:10 PM  
 DATE RECEIVED: 8/13/2020  
 TIME RECEIVED: 2:26 PM

**METALS**

| <u>No:</u>        | <u>Analysis</u>      | <u>Concentration</u> | <u>LOD</u> | <u>Units</u> | <u>Analyst</u> | <u>Date Complete</u> | <u>Digestion Method</u> |
|-------------------|----------------------|----------------------|------------|--------------|----------------|----------------------|-------------------------|
| SAMPLE ID: MW-107 |                      |                      |            |              |                |                      |                         |
| 5                 | LEAD TOTAL EPA 6020A | 0.0011               | 0.0010     | mg/L (PPM)   | MR             | 8/17/2020            | EPA 3005A               |

ND = NOT DETECTED, RESULT < LOD.  
 LOD = LIMIT OF DETECTION  
 DISS = DISSOLVED

### CHAIN OF CUSTODY

|                                |  |   |
|--------------------------------|--|---|
| PROJECT NUMBER<br><b>4035</b>  | SITE NAME/ADDRESS<br><b>Spirit of Onekama<br/>5028 Main St., Onekama, MI</b> | COMPANY/NAME<br><b>Blarney Castle Oil Co.</b> |
| SAMPLED BY<br><b>Doug Hill</b> | COMPANY<br><b>Compliance, Inc.</b>   | GTA PROJECT #<br><b>081320-7</b>              |

### SAMPLE INFORMATION

| # | SAMPLE ID | DATE SAMPLED | TIME | MATRIX | ANALYSIS                               |
|---|-----------|--------------|------|--------|--|
| 1 | MW-105    | 8-13-20      | 140P | H2O    | <del>(B)</del> (B) BTEX                |
| 2 | MW-106    | ↓            | 220P | ↓      | <del>(B)</del> (B) MTBE                |
| 3 | MW-1SR    | ↓            | 340P | ↓      | <del>(B)</del> (B) 1,2,4-TMB           |
| 4 | MW-112    | ↓            | 430P | ↓      | <del>(B)</del> (B) (A) 1,3,5-TMB       |
| 5 | MW-107    | ↓            | 310P | ↓      | <del>(B)</del> (B) 2-Methylnapathalene |
| 6 | CB-1      | 8-13-20      | 540  | H2O    | (A) Napathalene                        |
| 7 | MH-1D     | ↓            | 615  | ↓      | (A) 1,2 dibromoethane                  |
| 8 | MH-2C     | ↓            | 630  | ↓      | (A) 1,2 dichloroethane                 |
| 9 | OF-1      | ↓            | 700P | ↓      | (A)                                    |
|   |           |              |      |        | (B) Total lead                         |

**BILL TO:**  
Compliance, Inc.

**REPORT TO:**  
hill@complianceinc.com

| RELEASED BY                   | DATE/TIME        | RECEIVED BY                   | DATE/TIME                        |
|-------------------------------|------------------|-------------------------------|----------------------------------|
| <i>Doug Hill</i>              | 8-13-20 10:00 PM | Compliance, Inc. Cold Storage | 8-13-20 10:00 PM                 |
| Compliance, Inc. Cold Storage | 8-13-20 2:05 PM  | <i>Doug Hill</i>              | 8-13-20 2:05 PM                  |
| <i>Doug Hill</i>              | 8-13-20 2:26 PM  | <i>Doug Hill</i>              | 8/13/20 2:26 PM rec 4.0°C on ice |

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