Grand Traverse Analytical, LLC

INDEPENDENT TESTING LAB
830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686
PH: 231-929-0905 FAX: 231-929-0894
www.gtanalytical.com

| | | | |
|---|---|---|---|
| Company: | COBRA OIL & GAS | Site Addr: | HUBER 1-26 SWD |
| Name: | | | |
| ClientProj: | | | |
| | | Sampled By: | HOLLIS THOMAS/DARCY |
| GTA ProjNo: | 102219-6 | Date Rec: | 10/22/2019 |
| | | Time Rec: | 11:05 AM |

| Sample No. | Sample ID | Date Sampled | Time Sampled | Sample Matrix |
|---|---|---|---|---|
| 1 | HUBER 1-26 SWD | 10/20/2019 | 4:45 PM | BRINE |

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
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|---|---|---|---|
| COMPANY: | COBRA OIL & GAS | GTA PROJECT NO: | 102219-6 |
| | | GTA SAMPLE NO: | 1 |
| PROJECT NO: | | | |
| LOCATION: | HUBER 1-26 SWD | DATE SAMPLED: | 10/20/2019 |
| | | TIME SAMPLED: | 4:45 PM |
| | | DATE RECEIVED: | 10/22/2019 |
| | MI | TIME RECEIVED: | 11:05 AM |
| SAMPLED BY: | HOLLIS THOMAS/DARCY | SAMPLE MATRIX: | BRINE |

SAMPLE ID: **HUBER 1-26 SWD**

## METALS

| Analysis | Concentration | LOD | Units | Analyst | Date Completed | Digestion Method |
|---|---|---|---|---|---|---|
| BARIUM DISS EPA 6020A | 2.6 | 0.050 | mg/L (PPM) | MR/TR | 11/11/2019 | EPA 3005A |
| CALCIUM DISS EPA 6020A | 49,000 | 100 | mg/L (PPM) | MR/TR | 11/11/2019 | EPA 3005A |
| IRON TOTAL EPA 6020A | 69 | 10 | mg/L (PPM) | MR/TR | 11/11/2019 | EPA 3020A |
| MAGNESIUM DISS EPA 6020A | 5,700 | 100 | mg/L (PPM) | MR/TR | 11/11/2019 | EPA 3005A |
| POTASSIUM DISS EPA 6020A | 5,500 | 100 | mg/L (PPM) | MR/TR | 11/11/2019 | EPA 3005A |
| SODIUM DISS EPA 6020A | 54,000 | 100 | mg/L (PPM) | MR/TR | 11/11/2019 | EPA 3005A |

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

DISS = DISSOLVED

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|---|---|---|---|
| COMPANY: | COBRA OIL & GAS | GTA PROJECT NO: | 102219-6 |
| | | GTA SAMPLE NO: | 1 |
| PROJECT NO: | | | |
| | | DATE RECEIVED: | 10/22/2019 |
| LOCATION: | HUBER 1-26 SWD | TIME RECEIVED: | 11:05 AM |
| | | DATE SAMPLED: | 10/20/2019 |
| | MI | TIME SAMPLED: | 4:45 PM |
| SAMPLED BY: | HOLLIS THOMAS/DARCY | SAMPLE MATRIX: | BRINE |
| SAMPLE ID: | **HUBER 1-26 SWD** | | |

## SAMPLE RESULTS

| Analysis | Concentration | LOD | Units | Analyst | Date Complete |
|---|---|---|---|---|---|
| ALKALINITY SM 4500CO2D (BICARBONATE) | 33 | 10 | mg/L (PPM) | TR | 10/24/2019 |
| ALKALINITY SM 4500CO2D (CARBONATE) | ND | 10 | mg/L (PPM) | TR | 10/24/2019 |
| CHLORIDE EPA 300.0 | 200,000 | 2,000 | mg/L (PPM) | LV | 10/29/2019 |
| CONDUCTIVITY SM2510-B | 340,000 | 5.0 | uS/cm@25C | LV | 10/29/2019 |
| pH EPA 150.1 - LAB | 5.5 | 0.10 | mg/L (PPM) | TR | 10/24/2019 |
| RESISTIVITY SM 2510A | 2.9 | - | ohms x cm | LV | 10/29/2019 |
| SPECIFIC GRAVITY SM 2710F | 1.135 | - | - | LV | 11/6/2019 |
| SULFATE EPA 300.0 | 540 | 50 | mg/L (PPM) | LV | 10/29/2019 |
| SULFIDE SM 4500S D | ND | 1.0 | mg/L (PPM) | KC | 10/23/2019 |
| TOTAL DISSOLVED SOLIDS EPA 160.1 | 290,000 | 5.0 | mg/L (PPM) | TR | 10/28/2019 |

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

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# CHAIN OF CUSTODY

| PROJECT NUMBER | SITE NAME/ADDRESS | COMPANY/NAME |
|---|---|---|
| | HUBER 1-26 SWD | COBRA OIL & GAS CORP |
| **SAMPLED BY** | **COMPANY** | **GTA PROJECT #** |
| | Dary | 102219-6 |

## SAMPLE INFORMATION

| # | SAMPLE ID | DATE SAMPLED | TIME | MATRIX | ANALYSIS |
|---|---|---|---|---|---|
| | HUBER 1-26 SWD | 10/20/19 | 4:45PM | BRINE | EPA ANNUAL SWD |
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**BILL TO:** Dary

Rec 4.2

**REPORT TO:** Dary

| RELEASED BY | DATE/TIME | RECEIVED BY | DATE/TIME |
|---|---|---|---|
| | 10/22/19 11:00am | | |
| | | | 10-22-19 11:05A |

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