



03-Oct-2019

Jake Janicek
Caerus Oil and Gas LLC
143 Diamond Ave.
Parachute, CO 81635

Re: **K10-596 Gas Lift Release**

Work Order: **19091970**

Dear Jake,

ALS Environmental received 1 sample on 28-Sep-2019 10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 24.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

A handwritten signature in black ink, appearing to read "Chad Whelton".

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

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Environmental 

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RIGHT SOLUTIONS RIGHT PARTNER

Client: Caerus Oil and Gas LLC
Project: K10-596 Gas Lift Release
Work Order: 19091970

Work Order Sample Summary

| <u>Lab Samp ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Tag Number</u> | <u>Collection Date</u> | <u>Date Received</u> | <u>Hold</u> |
|--------------------|-------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 19091970-01 | 20190927-K10-596-POR@7' | Soil | | 9/27/2019 | 9/28/2019 10:00 | <input type="checkbox"/> |

Client: Caerus Oil and Gas LLC
Project: K10-596 Gas Lift Release
Work Order: 19091970

Case Narrative

Batch 143141, Method DRO_8015_S, Sample 19091970-01A MS/MSD: The MS/MSD recovery was outside of the control limit for DRO; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required.

Batch 143203, Method VOC_8260_S, Sample 19091970-01A MS/MSD: The MS/MSD recoveries were above the upper control limits for multiple compounds per the QC report. The corresponding results in the parent sample may be biased high.

Batch 143204, Method GRO_8015_S, Sample 19091970-01A: GRO surrogate recovery high due to matrix interference.

Batch 143204, Method GRO_8015_S, Sample 19091970-01A MS/MSD: The MS/MSD recovery was outside of the control limit for GRO; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required.

Batch 143319, Method PNLVI_8270_S, Sample 19091970-01A: One or more base/neutral surrogate recoveries were above the upper control limits. The base/neutral sample results may be biased high.

Batch 143367, Method CR6_7196_S, Sample 19091970-01A MS/MSD: The MS/MSD recovery was below the lower control limit for Hexavalent Chromium. The corresponding result in the parent sample may be biased low.

| <u>Qualifier</u> | <u>Description</u> |
|-------------------------|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| <u>Acronym</u> | <u>Description</u> |
|-----------------------|-------------------------------------|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| <u>Units Reported</u> | <u>Description</u> |
|------------------------------|--|
| % of sample | Percent of Sample |
| °C | Degrees Celcius |
| mg/Kg | Milligrams per Kilogram |
| mg/Kg-dry | Milligrams per Kilogram Dry Weight |
| mg/L | Milligrams per Liter |
| mmhos/cm @25°C | Millimhos-Centimeter at 25 Degrees Celcius |
| none | |

s.u. Standard Units

ALS Group, USA

Date: 03-Oct-19

Client: Caerus Oil and Gas LLC
Project: K10-596 Gas Lift Release
Sample ID: 20190927-K10-596-POR@7'
Collection Date: 9/27/2019

Work Order: 19091970
Lab ID: 19091970-01
Matrix: SOIL

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|---|--------|------|---------------------------|--------------|---------------------------------|-----------------|-----------------|
| DIESEL RANGE ORGANICS BY GC-FID | | | | | | | |
| | | | Method: SW8015M | | Prep: SW3550 / 9/29/19 | | Analyst: KB |
| DRO (C10-C28) | 2,300 | | 3.5 | 6.1 | mg/Kg-dry | 1 | 9/30/2019 10:16 |
| Surr: 4-Terphenyl-d14 | 47.1 | | | 33-111 | %REC | 1 | 9/30/2019 10:16 |
| GASOLINE RANGE ORGANICS BY GC-FID | | | | | | | |
| | | | Method: SW8015D | | Prep: SW5035 / 9/30/19 | | Analyst: KB |
| GRO (C6-C10) | 16,000 | | 33 | 78 | mg/Kg | 10 | 10/1/2019 08:04 |
| Surr: Toluene-d8 | 327 | S | | 71-123 | %REC | 10 | 10/1/2019 08:04 |
| MERCURY BY CVAA | | | | | | | |
| | | | Method: SW7471B | | Prep: SW7471 / 10/1/19 | | Analyst: RSH |
| Mercury | 1.3 | | 0.020 | 0.20 | mg/Kg-dry | 10 | 10/2/2019 09:38 |
| METALS BY ICP-MS | | | | | | | |
| | | | Method: SW6020A | | Prep: SW3050B / 10/1/19 | | Analyst: STP |
| Arsenic | 35 | | 0.055 | 0.45 | mg/Kg-dry | 1 | 10/1/2019 22:05 |
| Barium | 420 | | 4.2 | 4.5 | mg/Kg-dry | 10 | 10/2/2019 14:34 |
| Cadmium | 0.34 | | 0.027 | 0.18 | mg/Kg-dry | 1 | 10/1/2019 22:05 |
| Chromium | 24 | | 0.20 | 0.45 | mg/Kg-dry | 1 | 10/1/2019 22:05 |
| Copper | 35 | | 4.5 | 4.5 | mg/Kg-dry | 10 | 10/2/2019 17:27 |
| Lead | 25 | | 0.22 | 0.45 | mg/Kg-dry | 1 | 10/1/2019 22:05 |
| Nickel | 21 | | 2.4 | 4.5 | mg/Kg-dry | 10 | 10/2/2019 14:34 |
| Selenium | 1.1 | | 0.42 | 0.45 | mg/Kg-dry | 1 | 10/1/2019 22:05 |
| Silver | 0.076 | J | 0.060 | 0.45 | mg/Kg-dry | 1 | 10/1/2019 22:05 |
| Zinc | 70 | | 8.9 | 9.1 | mg/Kg-dry | 10 | 10/2/2019 14:34 |
| SOLUBLE CATIONS FOR SAR | | | | | | | |
| | | | Method: SW6020A | | Prep: USDA Method 20B / 10/2/19 | | Analyst: STP |
| Calcium | 83 | | 2.5 | 5.0 | mg/L | 10 | 10/2/2019 17:13 |
| Magnesium | 87 | | 0.50 | 2.0 | mg/L | 10 | 10/2/2019 17:13 |
| Sodium | 60 | | 0.45 | 2.0 | mg/L | 10 | 10/2/2019 17:13 |
| SODIUM ADSORPTION RATIO | | | | | | | |
| | | | Method: USDA H60 METHOD 2 | | Prep: USDA Method 20B / 10/2/19 | | Analyst: STP |
| Sodium Adsorption Ratio | 1.1 | | 0.010 | 0.010 | none | 1 | 10/2/2019 |
| POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS) | | | | | | | |
| | | | Method: SW846 8270D | | Prep: SW3546 / 10/1/19 | | Analyst: EEW |
| Acenaphthene | U | | 0.0010 | 0.0052 | mg/Kg-dry | 1 | 10/2/2019 19:35 |
| Anthracene | U | | 0.0018 | 0.0052 | mg/Kg-dry | 1 | 10/2/2019 19:35 |
| Benzo(a)anthracene | U | | 0.0022 | 0.0052 | mg/Kg-dry | 1 | 10/2/2019 19:35 |
| Benzo(a)pyrene | U | | 0.0014 | 0.0052 | mg/Kg-dry | 1 | 10/2/2019 19:35 |
| Benzo(b)fluoranthene | U | | 0.0013 | 0.0052 | mg/Kg-dry | 1 | 10/2/2019 19:35 |
| Benzo(k)fluoranthene | U | | 0.0015 | 0.0052 | mg/Kg-dry | 1 | 10/2/2019 19:35 |
| Chrysene | U | | 0.0011 | 0.0052 | mg/Kg-dry | 1 | 10/2/2019 19:35 |
| Dibenzo(a,h)anthracene | U | | 0.0012 | 0.0052 | mg/Kg-dry | 1 | 10/2/2019 19:35 |
| Fluoranthene | U | | 0.00096 | 0.0052 | mg/Kg-dry | 1 | 10/2/2019 19:35 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 03-Oct-19

Client: Caerus Oil and Gas LLC
Project: K10-596 Gas Lift Release
Sample ID: 20190927-K10-596-POR@7'
Collection Date: 9/27/2019

Work Order: 19091970
Lab ID: 19091970-01
Matrix: SOIL

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|---|-------------|------|----------------------------------|---------------|---------------------------------|-----------------|---------------------|
| Fluorene | U | | 0.0017 | 0.0052 | mg/Kg-dry | 1 | 10/2/2019 19:35 |
| Indeno(1,2,3-cd)pyrene | U | | 0.0019 | 0.0052 | mg/Kg-dry | 1 | 10/2/2019 19:35 |
| Naphthalene | 1.8 | | 0.0023 | 0.0052 | mg/Kg-dry | 1 | 10/2/2019 19:35 |
| Pyrene | U | | 0.00086 | 0.0052 | mg/Kg-dry | 1 | 10/2/2019 19:35 |
| Surr: 2-Fluorobiphenyl | 98.3 | | | 20-140 | %REC | 1 | 10/2/2019 19:35 |
| Surr: 4-Terphenyl-d14 | 97.5 | | | 22-172 | %REC | 1 | 10/2/2019 19:35 |
| Surr: Nitrobenzene-d5 | 292 | S | | 28-140 | %REC | 1 | 10/2/2019 19:35 |
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | Prep: SW5035 / 9/30/19 | | Analyst: BCM |
| Benzene | 22 | | 0.52 | 3.1 | mg/Kg-dry | 100 | 9/30/2019 14:46 |
| Ethylbenzene | 59 | | 0.65 | 3.1 | mg/Kg-dry | 100 | 9/30/2019 14:46 |
| m,p-Xylene | 730 | | 4.1 | 6.1 | mg/Kg-dry | 100 | 9/30/2019 14:46 |
| o-Xylene | 93 | | 1.2 | 3.1 | mg/Kg-dry | 100 | 9/30/2019 14:46 |
| Toluene | 330 | | 0.84 | 3.1 | mg/Kg-dry | 100 | 9/30/2019 14:46 |
| Xylenes, Total | 820 | | 4.1 | 9.2 | mg/Kg-dry | 100 | 9/30/2019 14:46 |
| Surr: 1,2-Dichloroethane-d4 | 96.2 | | | 70-130 | %REC | 100 | 9/30/2019 14:46 |
| Surr: 4-Bromofluorobenzene | 106 | | | 70-130 | %REC | 100 | 9/30/2019 14:46 |
| Surr: Dibromofluoromethane | 95.2 | | | 70-130 | %REC | 100 | 9/30/2019 14:46 |
| Surr: Toluene-d8 | 103 | | | 70-130 | %REC | 100 | 9/30/2019 14:46 |
| ELECTRICAL CONDUCTIVITY (SAR) | | | Method: USDA H60 METHOD 2 | | Prep: USDA Method 20B / 10/2/19 | | Analyst: QTN |
| Electrical Conductivity @ Saturation | 1.7 | | 0.011 | 0.10 | mmhos/cm @25° | 20 | 10/3/2019 11:28 |
| CHROMIUM, TRIVALENT | | | Method: CALCULATION | | | | Analyst: MB |
| Chromium, Trivalent | 23 | | 0.39 | 1.3 | mg/Kg-dry | 1 | 10/2/2019 16:15 |
| CHROMIUM, HEXAVALENT | | | Method: SW7196A | | Prep: SW3060A / 10/2/19 | | Analyst: RZM |
| Chromium, Hexavalent | 1.2 | J | 1.1 | 1.3 | mg/Kg-dry | 1 | 10/2/2019 15:00 |
| MOISTURE | | | Method: SW3550C | | | | Analyst: KTP |
| Moisture | 21 | | 0.10 | 0.10 | % of sample | 1 | 9/30/2019 13:22 |
| PH | | | Method: SW9045D | | Prep: EXTRACT / 9/30/19 | | Analyst: DNW |
| pH | 8.49 | | 0.10 | 0.100 | s.u. | 1 | 9/30/2019 12:00 |
| Temperature | 22.5 | | 0.10 | 0.100 | °C | 1 | 9/30/2019 12:00 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Work Order: 19091970
Project: K10-596 Gas Lift Release

QC BATCH REPORT

Batch ID: **143141** Instrument ID **GC8** Method: **SW8015M**

| | | | | | | | | | | |
|-------------|--------|--|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| MBLK | | Sample ID: DBLKS1-143141-143141 | | | | Units: mg/Kg | | Analysis Date: 9/30/2019 09:17 AM | | |
| Client ID: | | Run ID: GC8_190930A | | | | SeqNo: 5954998 | | Prep Date: 9/29/2019 | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

| | | | | | | | | | | |
|------------------------------|-------|-----|------|---|------|--------|---|--|--|--|
| DRO (C10-C28) | U | 5.0 | | | | | | | | |
| <i>Surr: 4-Terphenyl-d14</i> | 1.537 | 0 | 3.33 | 0 | 46.1 | 33-111 | 0 | | | |

| | | | | | | | | | | |
|------------|--------|--|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| LCS | | Sample ID: DLCSS1-143141-143141 | | | | Units: mg/Kg | | Analysis Date: 9/30/2019 09:46 AM | | |
| Client ID: | | Run ID: GC8_190930A | | | | SeqNo: 5954999 | | Prep Date: 9/29/2019 | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

| | | | | | | | | | | |
|------------------------------|-------|-----|------|---|------|--------|---|--|--|--|
| DRO (C10-C28) | 339.1 | 5.0 | 333 | 0 | 102 | 58-111 | 0 | | | |
| <i>Surr: 4-Terphenyl-d14</i> | 1.939 | 0 | 3.33 | 0 | 58.2 | 33-111 | 0 | | | |

| | | | | | | | | | | |
|---|--------|-----------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| MS | | Sample ID: 19091970-01A MS | | | | Units: mg/Kg | | Analysis Date: 9/30/2019 10:45 AM | | |
| Client ID: 20190927-K10-596-POR@7' | | Run ID: GC8_190930A | | | | SeqNo: 5955001 | | Prep Date: 9/29/2019 | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

| | | | | | | | | | | |
|------------------------------|-------|-----|-------|------|------|--------|---|--|--|----|
| DRO (C10-C28) | 1164 | 4.9 | 324.4 | 1840 | -208 | 58-111 | 0 | | | SO |
| <i>Surr: 4-Terphenyl-d14</i> | 1.662 | 0 | 3.244 | 0 | 51.2 | 33-111 | 0 | | | |

| | | | | | | | | | | |
|---|--------|------------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| MSD | | Sample ID: 19091970-01A MSD | | | | Units: mg/Kg | | Analysis Date: 9/30/2019 11:14 AM | | |
| Client ID: 20190927-K10-596-POR@7' | | Run ID: GC8_190930A | | | | SeqNo: 5955003 | | Prep Date: 9/29/2019 | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

| | | | | | | | | | | |
|------------------------------|------|-----|-------|------|------|--------|-------|-------|----|----|
| DRO (C10-C28) | 1167 | 4.9 | 326.6 | 1840 | -206 | 58-111 | 1164 | 0.313 | 30 | SO |
| <i>Surr: 4-Terphenyl-d14</i> | 1.46 | 0 | 3.266 | 0 | 44.7 | 33-111 | 1.662 | 13 | 30 | |

The following samples were analyzed in this batch:

| |
|--------------|
| 19091970-01A |
|--------------|

Client: Caerus Oil and Gas LLC
 Work Order: 19091970
 Project: K10-596 Gas Lift Release

QC BATCH REPORT

Batch ID: **143204** Instrument ID **GC9** Method: **SW8015D**

| MBLK | | Sample ID: MBLK-143204-143204 | | | | Units: µg/Kg-dry | | Analysis Date: 9/30/2019 01:42 PM | | |
|------------------|--------|--------------------------------------|---------|---------------|------|-------------------------|---------------|--|-----------|--------------|
| Client ID: | | Run ID: GC9_190930A | | | | SeqNo: 5955427 | | Prep Date: 9/30/2019 | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| GRO (C6-C10) | U | 5,000 | | | | | | | | |
| Surr: Toluene-d8 | 4408 | 0 | 5000 | 0 | 88.2 | 71-123 | 0 | | | |

| LCS | | Sample ID: LCS-143204-143204 | | | | Units: µg/Kg-dry | | Analysis Date: 9/30/2019 01:12 PM | | |
|------------------|--------|-------------------------------------|---------|---------------|------|-------------------------|---------------|--|-----------|--------------|
| Client ID: | | Run ID: GC9_190930A | | | | SeqNo: 5955426 | | Prep Date: 9/30/2019 | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| GRO (C6-C10) | 535900 | 5,000 | 500000 | 0 | 107 | 71-123 | 0 | | | |
| Surr: Toluene-d8 | 5640 | 0 | 5000 | 0 | 113 | 71-123 | 0 | | | |

| MS | | Sample ID: 19091970-01A MS | | | | Units: µg/Kg-dry | | Analysis Date: 10/1/2019 08:33 AM | | |
|---|---------|-----------------------------------|---------|---------------|------|-------------------------|---------------|--|-----------|--------------|
| Client ID: 20190927-K10-596-POR@7' | | Run ID: GC9_190930A | | | | SeqNo: 5958291 | | Prep Date: 9/30/2019 | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| GRO (C6-C10) | 5278000 | 7,800 | 784100 | 4801000 | 60.8 | 71-123 | 0 | | | SEO |
| Surr: Toluene-d8 | 113800 | 0 | 7841 | 0 | 1450 | 71-123 | 0 | | | S |

| MSD | | Sample ID: 19091970-01A MSD | | | | Units: µg/Kg-dry | | Analysis Date: 10/1/2019 09:03 AM | | |
|---|---------|------------------------------------|---------|---------------|------|-------------------------|---------------|--|-----------|--------------|
| Client ID: 20190927-K10-596-POR@7' | | Run ID: GC9_190930A | | | | SeqNo: 5958292 | | Prep Date: 9/30/2019 | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| GRO (C6-C10) | 6827000 | 7,800 | 784100 | 4801000 | 258 | 71-123 | 5278000 | 25.6 | 30 | SEO |
| Surr: Toluene-d8 | 171300 | 0 | 7841 | 0 | 2180 | 71-123 | 113800 | 40.3 | 30 | SR |

The following samples were analyzed in this batch:

19091970-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091970
Project: K10-596 Gas Lift Release

QC BATCH REPORT

Batch ID: **143300** Instrument ID **HG4** Method: **SW7471B**

| | | | | | | | | | | |
|-------------|--------|--------------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| MBLK | | Sample ID: MBLK-143300-143300 | | | | Units: mg/Kg | | Analysis Date: 10/2/2019 08:48 AM | | |
| Client ID: | | Run ID: HG4_191002A | | | | SeqNo: 5960282 | | Prep Date: 10/1/2019 | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

Mercury U 0.020

| | | | | | | | | | | |
|------------|--------|-------------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| LCS | | Sample ID: LCS-143300-143300 | | | | Units: mg/Kg | | Analysis Date: 10/2/2019 08:50 AM | | |
| Client ID: | | Run ID: HG4_191002A | | | | SeqNo: 5960284 | | Prep Date: 10/1/2019 | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

Mercury 0.175 0.020 0.1665 0 105 80-120 0

| | | | | | | | | | | |
|------------|--------|----------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| MS | | Sample ID: 19091723-02AMS | | | | Units: mg/Kg | | Analysis Date: 10/2/2019 09:06 AM | | |
| Client ID: | | Run ID: HG4_191002A | | | | SeqNo: 5960293 | | Prep Date: 10/1/2019 | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

Mercury 0.1652 0.018 0.1482 0.02007 97.9 75-125 0

| | | | | | | | | | | |
|------------|--------|-----------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| MSD | | Sample ID: 19091723-02AMSD | | | | Units: mg/Kg | | Analysis Date: 10/2/2019 09:08 AM | | |
| Client ID: | | Run ID: HG4_191002A | | | | SeqNo: 5960294 | | Prep Date: 10/1/2019 | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

Mercury 0.1683 0.018 0.1487 0.02007 99.7 75-125 0.1652 1.86 35

The following samples were analyzed in this batch:

19091970-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091970
Project: K10-596 Gas Lift Release

QC BATCH REPORT

Batch ID: **143293** Instrument ID **ICPMS3** Method: **SW6020A**

| MBLK | | Sample ID: MBLK-143293-143293 | | | | Units: mg/Kg | | Analysis Date: 10/1/2019 09:33 PM | | |
|-------------|--------|--------------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| Client ID: | | Run ID: ICPMS3_191001B | | | | SeqNo: 5959681 | | Prep Date: 10/1/2019 | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Arsenic | U | 0.25 | | | | | | | | |
| Barium | U | 0.25 | | | | | | | | |
| Cadmium | U | 0.10 | | | | | | | | |
| Chromium | U | 0.25 | | | | | | | | |
| Lead | U | 0.25 | | | | | | | | |
| Nickel | U | 0.25 | | | | | | | | |
| Selenium | U | 0.25 | | | | | | | | |
| Silver | U | 0.25 | | | | | | | | |
| Zinc | U | 0.50 | | | | | | | | |

| MBLK | | Sample ID: MBLK-143293-143293 | | | | Units: mg/Kg | | Analysis Date: 10/2/2019 05:18 PM | | |
|-------------|--------|--------------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| Client ID: | | Run ID: ICPMS4_191002B | | | | SeqNo: 5962503 | | Prep Date: 10/1/2019 | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Copper | U | 0.25 | | | | | | | | |

| LCS | | Sample ID: LCS-143293-143293 | | | | Units: mg/Kg | | Analysis Date: 10/1/2019 09:35 PM | | |
|------------|--------|-------------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| Client ID: | | Run ID: ICPMS3_191001B | | | | SeqNo: 5959682 | | Prep Date: 10/1/2019 | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Arsenic | 5.059 | 0.25 | 5 | 0 | 101 | 80-120 | 0 | | | |
| Barium | 5.007 | 0.25 | 5 | 0 | 100 | 80-120 | 0 | | | |
| Cadmium | 4.886 | 0.10 | 5 | 0 | 97.7 | 80-120 | 0 | | | |
| Chromium | 5.324 | 0.25 | 5 | 0 | 106 | 80-120 | 0 | | | |
| Copper | 4.814 | 0.25 | 5 | 0 | 96.3 | 80-120 | 0 | | | |
| Lead | 5.169 | 0.25 | 5 | 0 | 103 | 80-120 | 0 | | | |
| Nickel | 5.208 | 0.25 | 5 | 0 | 104 | 80-120 | 0 | | | |
| Selenium | 4.847 | 0.25 | 5 | 0 | 96.9 | 80-120 | 0 | | | |
| Silver | 5.032 | 0.25 | 5 | 0 | 101 | 80-120 | 0 | | | |
| Zinc | 5.109 | 0.50 | 5 | 0 | 102 | 80-120 | 0 | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091970
Project: K10-596 Gas Lift Release

QC BATCH REPORT

Batch ID: **143293** Instrument ID **ICPMS3** Method: **SW6020A**

| MS Sample ID: 19092031-06AMS | | | | Units: mg/Kg | | Analysis Date: 10/1/2019 10:19 PM | | | | |
|------------------------------|--------|------------------------|---------|----------------|------|-----------------------------------|---------------|-------|-----------|------|
| Client ID: | | Run ID: ICPMS3_191001B | | SeqNo: 5959706 | | Prep Date: 10/1/2019 | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Arsenic | 19.65 | 0.36 | 7.174 | 8.787 | 151 | 75-125 | 0 | | | S |
| Cadmium | 5.759 | 0.14 | 7.174 | 0.1385 | 78.3 | 75-125 | 0 | | | |
| Chromium | 64.69 | 0.36 | 7.174 | 61.31 | 47 | 75-125 | 0 | | | SO |
| Lead | 19.4 | 0.36 | 7.174 | 11.05 | 116 | 75-125 | 0 | | | |
| Selenium | 6.11 | 0.36 | 7.174 | 0.2183 | 82.1 | 75-125 | 0 | | | |
| Silver | 5.672 | 0.36 | 7.174 | 0.04333 | 78.5 | 75-125 | 0 | | | |

| MS Sample ID: 19092031-06AMS | | | | Units: mg/Kg | | Analysis Date: 10/2/2019 02:46 PM | | | | |
|------------------------------|--------|------------------------|---------|----------------|------|-----------------------------------|---------------|--------|-----------|------|
| Client ID: | | Run ID: ICPMS3_191002B | | SeqNo: 5961933 | | Prep Date: 10/1/2019 | | DF: 10 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Barium | 175 | 3.6 | 7.174 | 182.5 | -104 | 75-125 | 0 | | | SO |
| Nickel | 62.4 | 3.6 | 7.174 | 58.69 | 51.7 | 75-125 | 0 | | | SO |
| Zinc | 62.4 | 7.2 | 7.174 | 56.77 | 78.5 | 75-125 | 0 | | | O |

| MS Sample ID: 19092031-06AMS | | | | Units: mg/Kg | | Analysis Date: 10/2/2019 05:32 PM | | | | |
|------------------------------|--------|------------------------|---------|----------------|------|-----------------------------------|---------------|--------|-----------|------|
| Client ID: | | Run ID: ICPMS4_191002B | | SeqNo: 5962512 | | Prep Date: 10/1/2019 | | DF: 10 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Copper | 27.82 | 3.6 | 7.174 | 20.9 | 96.5 | 75-125 | 0 | | | |

| MSD Sample ID: 19092031-06AMSD | | | | Units: mg/Kg | | Analysis Date: 10/1/2019 10:21 PM | | | | |
|--------------------------------|--------|------------------------|---------|----------------|-------|-----------------------------------|---------------|-------|-----------|------|
| Client ID: | | Run ID: ICPMS3_191001B | | SeqNo: 5959707 | | Prep Date: 10/1/2019 | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Arsenic | 13.67 | 0.36 | 7.215 | 8.787 | 67.6 | 75-125 | 19.65 | 35.9 | 20 | SR |
| Cadmium | 5.735 | 0.14 | 7.215 | 0.1385 | 77.6 | 75-125 | 5.759 | 0.42 | 20 | |
| Chromium | 60.97 | 0.36 | 7.215 | 61.31 | -4.75 | 75-125 | 64.69 | 5.91 | 20 | SO |
| Lead | 18.37 | 0.36 | 7.215 | 11.05 | 101 | 75-125 | 19.4 | 5.46 | 20 | |
| Selenium | 6.009 | 0.36 | 7.215 | 0.2183 | 80.3 | 75-125 | 6.11 | 1.66 | 20 | |
| Silver | 5.647 | 0.36 | 7.215 | 0.04333 | 77.7 | 75-125 | 5.672 | 0.44 | 20 | |

| MSD Sample ID: 19092031-06AMSD | | | | Units: mg/Kg | | Analysis Date: 10/2/2019 02:51 PM | | | | |
|--------------------------------|--------|------------------------|---------|----------------|------|-----------------------------------|---------------|--------|-----------|------|
| Client ID: | | Run ID: ICPMS3_191002B | | SeqNo: 5961936 | | Prep Date: 10/1/2019 | | DF: 10 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Barium | 186.8 | 3.6 | 7.215 | 182.5 | 59.7 | 75-125 | 175 | 6.52 | 20 | SO |
| Nickel | 60.35 | 3.6 | 7.215 | 58.69 | 23 | 75-125 | 62.4 | 3.34 | 20 | SO |
| Zinc | 60.77 | 7.2 | 7.215 | 56.77 | 55.5 | 75-125 | 62.4 | 2.64 | 20 | SO |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091970
Project: K10-596 Gas Lift Release

QC BATCH REPORT

Batch ID: **143293** Instrument ID **ICPMS3** Method: **SW6020A**

| | | | | | | | | | | |
|------------|--------|-----------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|---------------|
| MSD | | Sample ID: 19092031-06AMSD | | | | Units: mg/Kg | | Analysis Date: 10/2/2019 05:34 PM | | |
| Client ID: | | Run ID: ICPMS4_191002B | | | | SeqNo: 5962513 | | Prep Date: 10/1/2019 | | DF: 10 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Copper | 28.16 | 3.6 | 7.215 | 20.9 | 101 | 75-125 | 27.82 | 1.23 | 20 | |

The following samples were analyzed in this batch:

19091970-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091970
Project: K10-596 Gas Lift Release

QC BATCH REPORT

Batch ID: **143389** Instrument ID **ICPMS4** Method: **SW6020A**

| DUP | | Sample ID: 19091970-01ADUP | | | | Units: mg/L | | Analysis Date: 10/2/2019 05:14 PM | | |
|---|--------|-----------------------------------|---------|-----------------------|------|-----------------------------|---------------|--|-----------|------|
| Client ID: 20190927-K10-596-POR@7' | | Run ID: ICPMS4_191002A | | SeqNo: 5962471 | | Prep Date: 10/2/2019 | | DF: 10 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Calcium | 86.75 | 5.0 | 0 | 0 | 0 | 0-0 | 83.25 | 4.12 | | |
| Magnesium | 88.39 | 2.0 | 0 | 0 | 0 | 0-0 | 87.05 | 1.53 | | |
| Sodium | 60.08 | 2.0 | 0 | 0 | 0 | 0-0 | 59.77 | 0.517 | | |

The following samples were analyzed in this batch:

19091970-01A

Batch ID: **143389** Instrument ID **SAR** Method: **USDA H60 Metho**

| DUP | | Sample ID: 19091970-01ADUP | | | | Units: none | | Analysis Date: 10/2/2019 | | |
|---|--------|-----------------------------------|---------|-----------------------|------|-----------------------------|---------------|---------------------------------|-----------|------|
| Client ID: 20190927-K10-596-POR@7' | | Run ID: SAR_191002A | | SeqNo: 5962216 | | Prep Date: 10/2/2019 | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Sodium Adsorption Ratio | 1.085 | 0.010 | 0 | 0 | 0 | | 1.093 | 0.726 | 50 | |

The following samples were analyzed in this batch:

19091970-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091970
Project: K10-596 Gas Lift Release

QC BATCH REPORT

Batch ID: **143319** Instrument ID **SVMS6** Method: **SW846 8270D**

| MBLK | | Sample ID: SBLKS1-143319-143319 | | | | Units: µg/Kg | | Analysis Date: 10/2/2019 12:05 PM | | |
|-------------------------------|--------|--|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| Client ID: | | Run ID: SVMS6_191002A | | | | SeqNo: 5963280 | | Prep Date: 10/1/2019 | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Acenaphthene | U | 4.2 | | | | | | | | |
| Anthracene | U | 4.2 | | | | | | | | |
| Benzo(a)anthracene | U | 4.2 | | | | | | | | |
| Benzo(a)pyrene | U | 4.2 | | | | | | | | |
| Benzo(b)fluoranthene | U | 4.2 | | | | | | | | |
| Benzo(k)fluoranthene | U | 4.2 | | | | | | | | |
| Chrysene | U | 4.2 | | | | | | | | |
| Dibenzo(a,h)anthracene | U | 4.2 | | | | | | | | |
| Fluoranthene | U | 4.2 | | | | | | | | |
| Fluorene | U | 4.2 | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | U | 4.2 | | | | | | | | |
| Naphthalene | U | 4.2 | | | | | | | | |
| Pyrene | U | 4.2 | | | | | | | | |
| <i>Surr: 2-Fluorobiphenyl</i> | 3190 | 0 | 3333 | 0 | 95.7 | 20-140 | 0 | | | |
| <i>Surr: 4-Terphenyl-d14</i> | 3662 | 0 | 3333 | 0 | 110 | 22-172 | 0 | | | |
| <i>Surr: Nitrobenzene-d5</i> | 3124 | 0 | 3333 | 0 | 93.7 | 28-140 | 0 | | | |

| LCS | | Sample ID: SLCSS1-143319-143319 | | | | Units: µg/Kg | | Analysis Date: 10/2/2019 12:21 PM | | |
|-------------------------------|--------|--|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| Client ID: | | Run ID: SVMS6_191002A | | | | SeqNo: 5963281 | | Prep Date: 10/1/2019 | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Acenaphthene | 1184 | 4.2 | 1333 | 0 | 88.8 | 40-140 | 0 | | | |
| Anthracene | 1262 | 4.2 | 1333 | 0 | 94.7 | 40-140 | 0 | | | |
| Benzo(a)anthracene | 1314 | 4.2 | 1333 | 0 | 98.5 | 40-140 | 0 | | | |
| Benzo(a)pyrene | 1404 | 4.2 | 1333 | 0 | 105 | 40-140 | 0 | | | |
| Benzo(b)fluoranthene | 1297 | 4.2 | 1333 | 0 | 97.3 | 40-140 | 0 | | | |
| Benzo(k)fluoranthene | 1354 | 4.2 | 1333 | 0 | 102 | 40-140 | 0 | | | |
| Chrysene | 1215 | 4.2 | 1333 | 0 | 91.1 | 40-140 | 0 | | | |
| Dibenzo(a,h)anthracene | 1340 | 4.2 | 1333 | 0 | 101 | 40-140 | 0 | | | |
| Fluoranthene | 1182 | 4.2 | 1333 | 0 | 88.7 | 40-140 | 0 | | | |
| Fluorene | 1258 | 4.2 | 1333 | 0 | 94.4 | 40-140 | 0 | | | |
| Indeno(1,2,3-cd)pyrene | 1422 | 4.2 | 1333 | 0 | 107 | 40-140 | 0 | | | |
| Naphthalene | 1233 | 4.2 | 1333 | 0 | 92.5 | 40-140 | 0 | | | |
| Pyrene | 1341 | 4.2 | 1333 | 0 | 101 | 40-140 | 0 | | | |
| <i>Surr: 2-Fluorobiphenyl</i> | 3211 | 0 | 3333 | 0 | 96.3 | 20-140 | 0 | | | |
| <i>Surr: 4-Terphenyl-d14</i> | 3309 | 0 | 3333 | 0 | 99.3 | 22-172 | 0 | | | |
| <i>Surr: Nitrobenzene-d5</i> | 2912 | 0 | 3333 | 0 | 87.4 | 28-140 | 0 | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091970
Project: K10-596 Gas Lift Release

QC BATCH REPORT

Batch ID: **143319** Instrument ID **SVMS6** Method: **SW846 8270D**

| MS | | | | Sample ID: 19092044-01B MS | | | Units: µg/Kg | | Analysis Date: 10/2/2019 06:17 PM | | |
|------------------------|--------|-----|-----------------------|----------------------------|------|----------------|---------------|----------------------|-----------------------------------|-------|--|
| Client ID: | | | Run ID: SVMS6_191002A | | | SeqNo: 5963304 | | Prep Date: 10/1/2019 | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Acenaphthene | 1255 | 4.1 | 1311 | 110.1 | 87.4 | 40-140 | | 0 | | | |
| Anthracene | 1303 | 4.1 | 1311 | 149.9 | 88 | 40-140 | | 0 | | | |
| Benzo(a)anthracene | 1348 | 4.1 | 1311 | 35.62 | 100 | 40-140 | | 0 | | | |
| Benzo(a)pyrene | 1350 | 4.1 | 1311 | 20.43 | 101 | 40-140 | | 0 | | | |
| Benzo(b)fluoranthene | 1274 | 4.1 | 1311 | 61.5 | 92.5 | 40-140 | | 0 | | | |
| Benzo(k)fluoranthene | 1198 | 4.1 | 1311 | 21.64 | 89.8 | 40-140 | | 0 | | | |
| Chrysene | 1155 | 4.1 | 1311 | 44.01 | 84.8 | 40-140 | | 0 | | | |
| Dibenzo(a,h)anthracene | 1424 | 4.1 | 1311 | 7.113 | 108 | 40-140 | | 0 | | | |
| Fluoranthene | 1171 | 4.1 | 1311 | 105.3 | 81.3 | 40-140 | | 0 | | | |
| Fluorene | 1460 | 4.1 | 1311 | 166.7 | 98.7 | 40-140 | | 0 | | | |
| Indeno(1,2,3-cd)pyrene | 1564 | 4.1 | 1311 | 41.27 | 116 | 40-140 | | 0 | | | |
| Naphthalene | 1424 | 4.1 | 1311 | 59.56 | 104 | 40-140 | | 0 | | | |
| Pyrene | 1298 | 4.1 | 1311 | 278.8 | 77.8 | 40-140 | | 0 | | | |
| Surr: 2-Fluorobiphenyl | 3069 | 0 | 3277 | 0 | 93.7 | 20-140 | | 0 | | | |
| Surr: 4-Terphenyl-d14 | 2773 | 0 | 3277 | 0 | 84.6 | 22-172 | | 0 | | | |
| Surr: Nitrobenzene-d5 | 2466 | 0 | 3277 | 0 | 75.2 | 28-140 | | 0 | | | |

| MSD | | | | Sample ID: 19092044-01B MSD | | | Units: µg/Kg | | Analysis Date: 10/2/2019 06:33 PM | | |
|------------------------|--------|-----|-----------------------|-----------------------------|------|----------------|---------------|----------------------|-----------------------------------|-------|--|
| Client ID: | | | Run ID: SVMS6_191002A | | | SeqNo: 5963305 | | Prep Date: 10/1/2019 | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Acenaphthene | 1461 | 4.1 | 1322 | 110.1 | 102 | 40-140 | 1255 | 15.2 | 30 | | |
| Anthracene | 1511 | 4.1 | 1322 | 149.9 | 103 | 40-140 | 1303 | 14.8 | 30 | | |
| Benzo(a)anthracene | 1534 | 4.1 | 1322 | 35.62 | 113 | 40-140 | 1348 | 12.9 | 30 | | |
| Benzo(a)pyrene | 1521 | 4.1 | 1322 | 20.43 | 114 | 40-140 | 1350 | 12 | 30 | | |
| Benzo(b)fluoranthene | 1513 | 4.1 | 1322 | 61.5 | 110 | 40-140 | 1274 | 17.2 | 30 | | |
| Benzo(k)fluoranthene | 1353 | 4.1 | 1322 | 21.64 | 101 | 40-140 | 1198 | 12.2 | 30 | | |
| Chrysene | 1319 | 4.1 | 1322 | 44.01 | 96.5 | 40-140 | 1155 | 13.2 | 30 | | |
| Dibenzo(a,h)anthracene | 1568 | 4.1 | 1322 | 7.113 | 118 | 40-140 | 1424 | 9.68 | 30 | | |
| Fluoranthene | 1451 | 4.1 | 1322 | 105.3 | 102 | 40-140 | 1171 | 21.4 | 30 | | |
| Fluorene | 1555 | 4.1 | 1322 | 166.7 | 105 | 40-140 | 1460 | 6.29 | 30 | | |
| Indeno(1,2,3-cd)pyrene | 1694 | 4.1 | 1322 | 41.27 | 125 | 40-140 | 1564 | 7.99 | 30 | | |
| Naphthalene | 1616 | 4.1 | 1322 | 59.56 | 118 | 40-140 | 1424 | 12.6 | 30 | | |
| Pyrene | 1561 | 4.1 | 1322 | 278.8 | 97 | 40-140 | 1298 | 18.3 | 30 | | |
| Surr: 2-Fluorobiphenyl | 3399 | 0 | 3305 | 0 | 103 | 20-140 | 3069 | 10.2 | 0 | | |
| Surr: 4-Terphenyl-d14 | 3271 | 0 | 3305 | 0 | 99 | 22-172 | 2773 | 16.5 | 0 | | |
| Surr: Nitrobenzene-d5 | 2827 | 0 | 3305 | 0 | 85.6 | 28-140 | 2466 | 13.7 | 0 | | |

The following samples were analyzed in this batch:

19091970-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091970
Project: K10-596 Gas Lift Release

QC BATCH REPORT

Batch ID: **143203** Instrument ID **VMS10** Method: **SW8260C**

| MBLK Sample ID: MBLK-143203-143203 | | | | Units: µg/Kg-dry | | | Analysis Date: 9/30/2019 12:26 PM | | | |
|---|--------|------------------------------|---------|-------------------------|------|-----------------------------|--|--------------|-----------|------|
| Client ID: | | Run ID: VMS10_190930A | | SeqNo: 5955635 | | Prep Date: 9/30/2019 | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | U | 30 | | | | | | | | |
| Ethylbenzene | 9.5 | 30 | | | | | | | | J |
| m,p-Xylene | U | 60 | | | | | | | | |
| o-Xylene | 13 | 30 | | | | | | | | J |
| Toluene | U | 30 | | | | | | | | |
| Xylenes, Total | U | 90 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 975.5 | 0 | 1000 | 0 | 97.6 | 70-130 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 1015 | 0 | 1000 | 0 | 102 | 70-130 | 0 | | | |
| Surr: Dibromofluoromethane | 904.5 | 0 | 1000 | 0 | 90.4 | 70-130 | 0 | | | |
| Surr: Toluene-d8 | 907 | 0 | 1000 | 0 | 90.7 | 70-130 | 0 | | | |

| LCS Sample ID: LCS-143203-143203 | | | | Units: µg/Kg-dry | | | Analysis Date: 9/30/2019 11:36 AM | | | |
|---|--------|------------------------------|---------|-------------------------|------|-----------------------------|--|--------------|-----------|------|
| Client ID: | | Run ID: VMS10_190930A | | SeqNo: 5955634 | | Prep Date: 9/30/2019 | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 1010 | 30 | 1000 | 0 | 101 | 75-125 | 0 | | | |
| Ethylbenzene | 936 | 30 | 1000 | 0 | 93.6 | 75-125 | 0 | | | |
| m,p-Xylene | 1931 | 60 | 2000 | 0 | 96.6 | 80-125 | 0 | | | |
| o-Xylene | 945.5 | 30 | 1000 | 0 | 94.6 | 75-125 | 0 | | | |
| Toluene | 902 | 30 | 1000 | 0 | 90.2 | 70-125 | 0 | | | |
| Xylenes, Total | 2876 | 90 | 3000 | 0 | 95.9 | 75-125 | 0 | | | |
| Surr: 1,2-Dichloroethane-d4 | 947 | 0 | 1000 | 0 | 94.7 | 70-130 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 1001 | 0 | 1000 | 0 | 100 | 70-130 | 0 | | | |
| Surr: Dibromofluoromethane | 1025 | 0 | 1000 | 0 | 102 | 70-130 | 0 | | | |
| Surr: Toluene-d8 | 912.5 | 0 | 1000 | 0 | 91.2 | 70-130 | 0 | | | |

| MS Sample ID: 19091970-01A MS | | | | Units: µg/Kg-dry | | | Analysis Date: 10/1/2019 02:20 PM | | | |
|---|---------|------------------------------|---------|-------------------------|------|-----------------------------|--|----------------|-----------|------|
| Client ID: 20190927-K10-596-POR@7' | | Run ID: VMS10_191001A | | SeqNo: 5958873 | | Prep Date: 9/30/2019 | | DF: 100 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 228000 | 4,700 | 156800 | 22450 | 131 | 75-125 | 0 | | | S |
| Ethylbenzene | 276500 | 4,700 | 156800 | 59030 | 139 | 75-125 | 0 | | | S |
| m,p-Xylene | 1698000 | 9,400 | 313600 | 725700 | 310 | 80-125 | 0 | | | SE |
| o-Xylene | 343900 | 4,700 | 156800 | 93270 | 160 | 75-125 | 0 | | | S |
| Toluene | 791700 | 4,700 | 156800 | 333300 | 292 | 70-125 | 0 | | | SE |
| Xylenes, Total | 2041000 | 14,000 | 470400 | 818900 | 260 | 75-125 | 0 | | | S |
| Surr: 1,2-Dichloroethane-d4 | 149400 | 0 | 156800 | 0 | 95.2 | 70-130 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 171700 | 0 | 156800 | 0 | 110 | 70-130 | 0 | | | |
| Surr: Dibromofluoromethane | 167200 | 0 | 156800 | 0 | 107 | 70-130 | 0 | | | |
| Surr: Toluene-d8 | 152400 | 0 | 156800 | 0 | 97.2 | 70-130 | 0 | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091970
Project: K10-596 Gas Lift Release

QC BATCH REPORT

Batch ID: **143203** Instrument ID **VMS10** Method: **SW8260C**

| MSD | | | | Sample ID: 19091970-01A MSD | | | Units: µg/Kg-dry | | Analysis Date: 10/1/2019 02:37 PM | |
|------------------------------------|---------|--------|---------|-----------------------------|------|---------------|------------------|-------|-----------------------------------|------|
| Client ID: 20190927-K10-596-POR@7' | | | | Run ID: VMS10_191001A | | | SeqNo: 5958874 | | Prep Date: 9/30/2019 | |
| | | | | | | | | | DF: 100 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 207900 | 4,700 | 156800 | 22450 | 118 | 75-125 | 228000 | 9.25 | 30 | |
| Ethylbenzene | 243700 | 4,700 | 156800 | 59030 | 118 | 75-125 | 276500 | 12.6 | 30 | |
| m,p-Xylene | 1458000 | 9,400 | 313600 | 725700 | 234 | 80-125 | 1698000 | 15.2 | 30 | S |
| o-Xylene | 300400 | 4,700 | 156800 | 93270 | 132 | 75-125 | 343900 | 13.5 | 30 | S |
| Toluene | 674100 | 4,700 | 156800 | 333300 | 217 | 70-125 | 791700 | 16 | 30 | S |
| Xylenes, Total | 1759000 | 14,000 | 470400 | 818900 | 200 | 75-125 | 2041000 | 14.9 | 30 | S |
| Surr: 1,2-Dichloroethane-d4 | 150100 | 0 | 156800 | 0 | 95.8 | 70-130 | 149400 | 0.524 | 30 | |
| Surr: 4-Bromofluorobenzene | 165300 | 0 | 156800 | 0 | 105 | 70-130 | 171700 | 3.82 | 30 | |
| Surr: Dibromofluoromethane | 170000 | 0 | 156800 | 0 | 108 | 70-130 | 167200 | 1.67 | 30 | |
| Surr: Toluene-d8 | 146500 | 0 | 156800 | 0 | 93.4 | 70-130 | 152400 | 3.93 | 30 | |

The following samples were analyzed in this batch:

19091970-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091970
Project: K10-596 Gas Lift Release

QC BATCH REPORT

Batch ID: **143239** Instrument ID **WETCHEM** Method: **SW9045D**

| | | | | | | | | | | | | | | |
|------------|--|--------|-----|------------------------------|---------------|------|---------------|----------------|------|-----------|-----------------------------------|--|-------|--|
| LCS | | | | Sample ID: LCS-143239-143239 | | | | Units: s.u. | | | Analysis Date: 9/30/2019 12:00 PM | | | |
| Client ID: | | | | Run ID: WETCHEM_190930J | | | | SeqNo: 5955386 | | | Prep Date: 9/30/2019 | | DF: 1 | |
| Analyte | | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | | | |

pH 3.97 0.10 4 0 99.2 90-110 0

| | | | | | | | | | | | |
|------------|--------|-----------------------------|---------|---------------|----------------|---------------|----------------------|------|-----------------------------------|------|--|
| DUP | | Sample ID: 19091931-04A DUP | | | | | Units: s.u. | | Analysis Date: 9/30/2019 12:00 PM | | |
| Client ID: | | Run ID: WETCHEM_190930J | | | SeqNo: 5955394 | | Prep Date: 9/30/2019 | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |

pH 7.51 0.10 0 0 0 0-0 7.51 0 20

Temperature 22.7 0.10 0 0 0 22.6 0.442

| | | | | | | | | | | | | | | |
|------------|--|--------|-----|-----------------------------|---------------|------|---------------|----------------|------|-----------|-----------------------------------|--|-------|--|
| DUP | | | | Sample ID: 19091954-01A DUP | | | | Units: s.u. | | | Analysis Date: 9/30/2019 12:00 PM | | | |
| Client ID: | | | | Run ID: WETCHEM_190930J | | | | SeqNo: 5955398 | | | Prep Date: 9/30/2019 | | DF: 1 | |
| | | | | | | | | | | | | | | |
| Analyte | | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | | | |

pH 8.5 0.10 0 0 0 0-0 8.28 2.62 20

Temperature 22.2 0.10 0 0 0 22 0.905

The following samples were analyzed in this batch:

19091970-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091970
Project: K10-596 Gas Lift Release

QC BATCH REPORT

Batch ID: **143367** Instrument ID **WETCHEM** Method: **SW7196A**

| | | | | | | | | | | |
|-------------|--------|--------------------------------------|---------|-----------------------|------|-----------------------------|---------------|--|-----------|------|
| MBLK | | Sample ID: MBLK-143367-143367 | | | | Units: mg/Kg | | Analysis Date: 10/2/2019 03:00 PM | | |
| Client ID: | | Run ID: WETCHEM_191002T | | SeqNo: 5961818 | | Prep Date: 10/2/2019 | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

Chromium, Hexavalent U 1.0

| | | | | | | | | | | |
|------------|--------|-------------------------------------|---------|-----------------------|------|-----------------------------|---------------|--|-----------|------|
| LCS | | Sample ID: LCS-143367-143367 | | | | Units: mg/Kg | | Analysis Date: 10/2/2019 03:00 PM | | |
| Client ID: | | Run ID: WETCHEM_191002T | | SeqNo: 5961819 | | Prep Date: 10/2/2019 | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

Chromium, Hexavalent 4.54 1.0 5 0 90.8 80-120 0

| | | | | | | | | | | |
|---|--------|-----------------------------------|---------|-----------------------|------|-----------------------------|---------------|--|-----------|------|
| MS | | Sample ID: 19091970-01A MS | | | | Units: mg/Kg | | Analysis Date: 10/2/2019 03:00 PM | | |
| Client ID: 20190927-K10-596-POR@7' | | Run ID: WETCHEM_191002T | | SeqNo: 5961823 | | Prep Date: 10/2/2019 | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

Chromium, Hexavalent 1.07 1.0 5 0.94 2.6 75-125 0 S

| | | | | | | | | | | |
|---|--------|------------------------------------|---------|-----------------------|------|-----------------------------|---------------|--|-----------|------|
| MS | | Sample ID: 19091970-01A MSI | | | | Units: mg/Kg | | Analysis Date: 10/2/2019 03:00 PM | | |
| Client ID: 20190927-K10-596-POR@7' | | Run ID: WETCHEM_191002T | | SeqNo: 5961825 | | Prep Date: 10/2/2019 | | DF: 100 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

Chromium, Hexavalent 1715 100 1931 0.94 88.8 75-125 0

| | | | | | | | | | | |
|---|--------|------------------------------------|---------|-----------------------|------|-----------------------------|---------------|--|-----------|------|
| MSD | | Sample ID: 19091970-01A MSD | | | | Units: mg/Kg | | Analysis Date: 10/2/2019 03:00 PM | | |
| Client ID: 20190927-K10-596-POR@7' | | Run ID: WETCHEM_191002T | | SeqNo: 5961824 | | Prep Date: 10/2/2019 | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

Chromium, Hexavalent 1.2 1.0 5 0.94 5.2 75-125 1.07 11.5 20 S

The following samples were analyzed in this batch:

19091970-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091970
Project: K10-596 Gas Lift Release

QC BATCH REPORT

Batch ID: **143389** Instrument ID **WETCHEM** Method: **USDA H60 Metho**

| | | | | | | | | | | |
|---|--------|------------------------------------|---------|-----------------------|------|-----------------------------|---------------|--|-----------|------|
| DUP | | Sample ID: 19091970-01A DUP | | | | Units: mmhos/cm @25° | | Analysis Date: 10/3/2019 11:28 AM | | |
| Client ID: 20190927-K10-596-POR@7' | | Run ID: WETCHEM_191003F | | SeqNo: 5963349 | | Prep Date: 10/2/2019 | | DF: 20 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Electrical Conductivity @ Saturation | 1.578 | 0.10 | 0 | 0 | 0 | | 1.67 | 5.67 | 50 | |

The following samples were analyzed in this batch:

19091970-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091970
Project: K10-596 Gas Lift Release

QC BATCH REPORT

Batch ID: **R271830** Instrument ID **MOIST** Method: **SW3550C**

| | | | | | | | | | | |
|-------------|--------|---------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| MBLK | | Sample ID: WBLKS-R271830 | | | | Units: % of sample | | Analysis Date: 9/30/2019 01:22 PM | | |
| Client ID: | | Run ID: MOIST_190930A | | | | SeqNo: 5957265 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

Moisture U 0.10

| | | | | | | | | | | |
|------------|--------|-------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| LCS | | Sample ID: LCS-R271830 | | | | Units: % of sample | | Analysis Date: 9/30/2019 01:22 PM | | |
| Client ID: | | Run ID: MOIST_190930A | | | | SeqNo: 5957264 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

Moisture 100 0.10 100 0 100 98-102 0

| | | | | | | | | | | |
|------------|--------|------------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| DUP | | Sample ID: 19091958-01A DUP | | | | Units: % of sample | | Analysis Date: 9/30/2019 01:22 PM | | |
| Client ID: | | Run ID: MOIST_190930A | | | | SeqNo: 5957249 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

Moisture 2.91 0.10 0 0 0 0-0 2.8 3.85 10

| | | | | | | | | | | |
|------------|--------|------------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| DUP | | Sample ID: 19091992-01B DUP | | | | Units: % of sample | | Analysis Date: 9/30/2019 01:22 PM | | |
| Client ID: | | Run ID: MOIST_190930A | | | | SeqNo: 5957261 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

Moisture 11.09 0.10 0 0 0 0-0 10.66 3.95 10

The following samples were analyzed in this batch:

19091970-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



☐ ALS Environmental
10450 Stancliff Rd. #210
Houston, Texas 77099
(Tel) 281.530.5656
(Fax) 281.530.5887

Chain of Custody Form

Page 1 of 1

☒ ALS Environmental
3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

| Customer Information | | | | Project Information | | | Parameter/Method Request for Analysis | | | | | | | | | | |
|--|------------------------------|------------------|------------------------------|---|-------------------|---|---------------------------------------|---|-------------|--|-------------------|---|---|---|---|---|------|
| Purchase Order | | Project Name | K10-596 Gas Lift Release | A | TPH GRO/DRO | | | | | | | | | | | | |
| Work Order | | Project Number | | B | BTEX | | | | | | | | | | | | |
| Company Name | Caerus Oil and Gas LLC | Bill To Company | Caerus Oil and Gas LLC | C | Table 910 PAHs | | | | | | | | | | | | |
| Send Report To | Jake Janicek | Invoice Attn | Jake Janicek | D | Table 910 Metals | | | | | | | | | | | | |
| Address | 143 Diamond Ave | Address | 143 Diamond Ave | E | EC | | | | | | | | | | | | |
| City/State/Zip | Parachute, CO 81635 | City/State/Zip | Parachute, CO 81635 | F | SAR | | | | | | | | | | | | |
| Phone | 970-778-2314 | Phone | 970-778-2314 | G | pH | | | | | | | | | | | | |
| Fax | | Fax | | H | Benzene | | | | | | | | | | | | |
| e-Mail Address | jjanicek@caerusoilandgas.com | | jjanicek@caerusoilandgas.com | | I | Arsenic | | | | | | | | | | | |
| | | | | J | | | | | | | | | | | | | |
| No. | Sample Description | Date | Time | Matrix | Pres. Key Numbers | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
| 1 | 20190927-K10-596-POR@7' | 9/27/2019 | | SOIL | NONE | 2 | X | X | X | X | X | X | X | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| Sampler(s): Please Print & Sign <i>Jake Janicek</i> | | | | Shipment Method: Lab Hub | | Turnaround Time in Business Days (BD): <input type="checkbox"/> 10 BD <input type="checkbox"/> 5 BD <input checked="" type="checkbox"/> 3 BD <input type="checkbox"/> 2 BD <input type="checkbox"/> 1 BD | | | | | Results Due Date: | | | | | | |
| Relinquished by: <i>[Signature]</i> | | Date: 9-27-19 | Time: 12:00 | Received by: <i>[Signature]</i> | | Date: 9-27-19 | Time: 1:30 | Notes: PLEASE REPORT BTEX AND TPH ON A SAME DAY TURNAROUND TIME | | | | | | | | | |
| Relinquished by: <i>[Signature]</i> | | Date: 9-27-19 | Time: 1:30 | Received by (Laboratory): <i>[Signature]</i> | | Date: 9/28/19 | Time: 1:00 | ALS Cooler ID | Cooler Temp | QC Package: (Check Box Below) | | | | | | | |
| Logged by (Laboratory): PHD | | Date: 9/28/19 | Time: 1045 | Checked by (Laboratory): <i>[Signature]</i> | | | | | | <input checked="" type="checkbox"/> Level II: Standard QC <input type="checkbox"/> Level III: Raw Data | | | | | | | |
| | | | | | | | | | | <input type="checkbox"/> TRRP LRC <input type="checkbox"/> TRRP Level IV | | | | | | | |
| | | | | | | | | | | <input type="checkbox"/> Level IV: SW846 Methods/CLP like | | | | | | | |
| | | | | | | | | | | <input type="checkbox"/> Other: _____ | | | | | | | |
| Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-None/4°C | | | | | | | | | | | | | | | | | |

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

Sample Receipt Checklist

Client Name: **CAERUS**

Date/Time Received: **28-Sep-19 10:00**

Work Order: **19091970**

Received by: **PD**

Checklist completed by Paul De Weese
eSignature

28-Sep-19
Date

Reviewed by: Chad Whelton
eSignature

30-Sep-19
Date

Matrices: **Soil**

Carrier name: **FedEx**

| | | | |
|---|---|--|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample(s) received on ice? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temperature(s)/Thermometer(s): | <u>5C</u> | | |
| Cooler(s)/Kit(s): | | | |
| Date/Time sample(s) sent to storage: | <u>9/28/2019 10:51:36 AM</u> | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| pH adjusted? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |
| pH adjusted by: | | | |

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: