



ANALYTICAL SUMMARY REPORT

December 08, 2021

Hilcorp Energy Corporation
1111 Travis St
Houston, TX 77002-5924

Work Order: C21110744

Project Name: Hiawatha B.2 SWD

Energy Laboratories, Inc. Casper WY received the following 2 samples for Hilcorp Energy Corporation on 11/19/2021 for analysis.

| Lab ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|-------------------|---------------|--------------|------------|--|
| C21110744-001 | Hiawatha B.2 | 11/18/21 9:15 | 11/19/21 | Aqueous | Metals by ICP/ICPMS, Total Alkalinity Conductivity Hydrocarbon Identification, Simulated Distillation Anions by Ion Chromatography Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Digestion, Total P Phosphorus, Total Solids, Total Dissolved Solids, Total Suspended 8260-Volatile Organic Compounds- BTEX |
| C21110744-002 | Trip Blank- 80352 | 11/18/21 9:15 | 11/19/21 | Trip Blank | |

The analyses presented in this report were performed by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

If you have any questions regarding these test results, please contact your Project Manager .

Report Approved By:



CLIENT: Hilcorp Energy Corporation
Project: Hiawatha B.2 SWD
Work Order: C21110744

Report Date: 12/08/21

CASE NARRATIVE

Tests associated with analyst identified as ELI-B were subcontracted to Energy Laboratories, 1120 S. 27th St., Billings, MT, EPA Number MT00005.

PHOSPHOROUS, TOTAL AS P AND NITROGEN, NITRATE+NITRITE AS N:

The sample bottle received for analysis was preserved with nitric acid, which invalidates the results for these analytes by methods E365.1 and E353.2. A subsample was obtained from the unpreserved bottle and preserved with sulfuric acid, then analyzed. The results from the subsample are flagged as out of hold, since the subsample was done more than 48 hours past the collection time.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Hilcorp Energy Corporation
Project: Hiawatha B.2 SWD
Lab ID: C21110744-001
Client Sample ID: Hiawatha B.2

Report Date: 12/08/21
Collection Date: 11/18/21 09:15
Date Received: 11/19/21
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|--------|----------|------------|-------|-------------|-----------|------------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 1540 | mg/L | | 5 | | A2320 B | 11/22/21 13:43 / kjp |
| Carbonate as CO ₃ | ND | mg/L | | 5 | | A2320 B | 11/22/21 13:43 / kjp |
| Bicarbonate as HCO ₃ | 1880 | mg/L | | 5 | | A2320 B | 11/22/21 13:43 / kjp |
| Bromide | 0.1 | mg/L | | 0.1 | | E300.0 | 11/24/21 17:08 / dmb |
| Chloride | 188 | mg/L | | 1 | | E300.0 | 11/24/21 17:08 / dmb |
| Fluoride | 7.5 | mg/L | | 0.1 | | E300.0 | 11/24/21 17:08 / dmb |
| Sulfate | 4 | mg/L | | 1 | | E300.0 | 11/24/21 17:08 / dmb |
| Calcium | 3 | mg/L | | 1 | | E200.8 | 12/05/21 16:31 / jcg |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 12/02/21 20:26 / jcg |
| Potassium | 3 | mg/L | | 1 | | E200.7 | 12/01/21 23:50 / jcg |
| Sodium | 781 | mg/L | D | 2 | | E200.7 | 12/01/21 23:50 / jcg |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 3190 | umhos/cm | | 5 | | A2510 B | 11/19/21 18:09 / kjp |
| pH | 8.1 | s.u. | H | 0.1 | | A4500-H B | 11/19/21 18:09 / kjp |
| pH Measurement Temp | 17.2 | °C | | | | A4500-H B | 11/19/21 18:09 / kjp |
| Solids, Total Dissolved TDS @ 180 C | 2090 | mg/L | | 20 | | A2540 C | 11/22/21 10:48 / mnm |
| Solids, Total Suspended TSS @ 105 C | 41 | mg/L | D | 2 | | A2540 D | 11/23/21 07:38 / mnm |
| NUTRIENTS | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | 0.06 | mg/L | H | 0.05 | | E353.2 | 11/30/21 13:18 / nts |
| Phosphorus, Total as P | 0.229 | mg/L | H | 0.005 | | E365.1 | 11/30/21 10:58 / dmb |
| -See Case Narrative | | | | | | | |
| METALS, TOTAL | | | | | | | |
| Barium | 0.13 | mg/L | | 0.05 | | E200.7 | 12/02/21 20:26 / jcg |
| Boron | 2.5 | mg/L | D | 0.1 | | E200.7 | 12/01/21 23:50 / jcg |
| Iron | 1.2 | mg/L | D | 0.6 | | E200.7 | 12/02/21 20:26 / jcg |
| Manganese | 0.027 | mg/L | D | 0.007 | | E200.8 | 12/05/21 16:31 / jcg |
| Selenium | ND | mg/L | D | 0.002 | | E200.8 | 12/05/21 16:31 / jcg |
| Strontium | 0.17 | mg/L | D | 0.03 | | E200.7 | 12/02/21 20:26 / jcg |
| VOLATILE ORGANIC COMPOUNDS | | | | | | | |
| Benzene | 4230 | ug/L | | 250 | | SW8260B | 12/02/21 19:34 / eli-b |
| Ethylbenzene | 15200 | ug/L | H | 2500 | | SW8260B | 12/03/21 22:01 / eli-b |
| m+p-Xylenes | 113000 | ug/L | H | 2500 | | SW8260B | 12/03/21 22:01 / eli-b |
| Naphthalene | 2110 | ug/L | | 250 | | SW8260B | 12/02/21 19:34 / eli-b |
| o-Xylene | 40100 | ug/L | H | 2500 | | SW8260B | 12/03/21 22:01 / eli-b |
| Toluene | 21300 | ug/L | H | 2500 | | SW8260B | 12/03/21 22:01 / eli-b |
| Xylenes, Total | 153000 | ug/L | H | 2500 | | SW8260B | 12/03/21 22:01 / eli-b |

- H = An additional dilution was required to quantitate Ethylbenzene, Toluene, and Xylenes in the calibrated range of the instrument. The dilution was done after the hold time had expired. The analysis from the dilution and the original analysis in hold time were consistent with each other indicating no degradation effects from the hold time variance.

| | | |
|---------------------|---|---|
| Report | RL - Analyte Reporting Limit | MCL - Maximum Contaminant Level |
| Definitions: | QCL - Quality Control Limit | ND - Not detected at the Reporting Limit (RL) |
| | D - Reporting Limit (RL) increased due to sample matrix | H - Analysis performed past the method holding time |



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Hilcorp Energy Corporation
Project: Hiawatha B.2 SWD
Lab ID: C21110744-001
Client Sample ID: Hiawatha B.2

Report Date: 12/08/21
Collection Date: 11/18/21 09:15
Date Received: 11/19/21
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|---|--------|-------|------------|------|-------------|---------|------------------------|
| HYDROCARBON ID, SIMULATED DISTILLATION | | | | | | | |
| C1-C5 | 0.15 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C5-C6 | 0.27 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C6-C7 | 1.6 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C7-C8 | 5.9 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C8-C9 | 17 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C9-C10 | 8.6 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C10-C11 | 7.6 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C11-C12 | 5.7 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C12-C13 | 6.2 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C13-C14 | 6.5 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C14-C15 | 6.6 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C15-C16 | 5.2 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C16-C17 | 4.4 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C17-C18 | 4.4 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C18-C19 | 2.8 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C19-C20 | 2.2 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C20-C21 | 1.7 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C21-C22 | 1.4 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C22-C23 | 1.1 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C23-C24 | 1.0 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C24-C25 | 0.86 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C25-C26 | 0.83 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C26-C27 | 0.74 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C27-C28 | 0.74 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C28-C29 | 0.66 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C29-C30 | 0.68 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C30-C32 | 1.1 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C32-C34 | 0.89 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C34-C36 | 0.71 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C36-C38 | 0.64 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C38-C40 | 0.63 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |
| C40+ | 0.99 | Vol % | | 0.01 | | SimDist | 12/01/21 10:16 / eli-b |

- Calculated Average Molecular Weight: 202
- The hydrocarbon profile resembles crude oil.

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Hilcorp Energy Corporation

Work Order: C21110744

Report Date: 11/30/21

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---|-------|-------|------|-----------|------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | |
| Analytical Run: MANTECH_211122A | | | | | | | | | | |
| Lab ID: ICV | | Initial Calibration Verification Standard | | | | | | | | 11/22/21 10:50 |
| pH | | 6.83 | s.u. | 0.010 | 100 | 98 | 102 | | | |
| Method: A2320 B | | | | | | | | | | |
| Batch: R277098 | | | | | | | | | | |
| Lab ID: MBLK | | Method Blank | | | | | | | | 11/22/21 11:01 |
| Alkalinity, Total as CaCO ₃ | | ND | mg/L | 2 | | | | | | |
| Run: MANTECH_211122A | | | | | | | | | | |
| Lab ID: LCS | | Laboratory Control Sample | | | | | | | | 11/22/21 11:09 |
| Alkalinity, Total as CaCO ₃ | | 253 | mg/L | 5.0 | 101 | 90 | 110 | | | |
| Run: MANTECH_211122A | | | | | | | | | | |
| Lab ID: C21110734-003ADUP | | Sample Duplicate | | | | | | | | 11/22/21 12:53 |
| Alkalinity, Total as CaCO ₃ | | 537 | mg/L | 5.0 | | | | 0.4 | 10 | |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Hilcorp Energy Corporation

Work Order: C21110744

Report Date: 11/30/21

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------|---|----------|-----|------|-----------|------------|-----|----------|----------------|
| Method: A2510 B | | | | | | | | | | |
| Analytical Run: PHSC_101-C_211119A | | | | | | | | | | |
| Lab ID: SC 100 | | Initial Calibration Verification Standard | | | | | | | | |
| Conductivity @ 25 C | | 105 | umhos/cm | 5.0 | 105 | 90 | 110 | | | 11/19/21 07:56 |
| Lab ID: SC 5000 | | | | | | | | | | |
| Initial Calibration Verification Standard | | | | | | | | | | |
| Conductivity @ 25 C | | 5000 | umhos/cm | 5.0 | 100 | 90 | 110 | | | 11/19/21 07:59 |
| Lab ID: SC 20000 | | | | | | | | | | |
| Initial Calibration Verification Standard | | | | | | | | | | |
| Conductivity @ 25 C | | 19600 | umhos/cm | 5.0 | 98 | 90 | 110 | | | 11/19/21 08:02 |
| Method: A2510 B | | | | | | | | | | |
| Batch: R277005 | | | | | | | | | | |
| Lab ID: SC 50000 | | Initial Calibration Verification Standard | | | | | | | | |
| Conductivity @ 25 C | | 49500 | umhos/cm | 5.0 | 99 | 90 | 110 | | | 11/19/21 08:05 |
| Lab ID: MBLK | | | | | | | | | | |
| Method Blank | | | | | | | | | | |
| Conductivity @ 25 C | | 3 | umhos/cm | 1 | | | | | | 11/19/21 18:06 |
| Lab ID: C21110744-001ADUP | | | | | | | | | | |
| Sample Duplicate | | | | | | | | | | |
| Conductivity @ 25 C | | 3190 | umhos/cm | 5.0 | | | | 0.1 | 10 | 11/19/21 18:12 |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Hilcorp Energy Corporation

Work Order: C21110744

Report Date: 11/30/21

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|--------------|-------|----|------|-----------|----------------------|-----|----------|----------------------|
| Method: A2540 C | | | | | | | | | | Batch: TDS211122A |
| Lab ID: MB-1_211122A | | Method Blank | | | | | Run: BAL-111_211122A | | | 11/22/21 10:34 |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 10 | | | | | | |
| Lab ID: LCS-2_211122A | | | | | | | | | | Run: BAL-111_211122A |
| Solids, Total Dissolved TDS @ 180 C | | 1010 | mg/L | 20 | 100 | 90 | 110 | | | 11/22/21 10:34 |
| Lab ID: C21110734-003A DUP | | | | | | | | | | Run: BAL-111_211122A |
| Solids, Total Dissolved TDS @ 180 C | | 774 | mg/L | 20 | | | | 0.1 | 5 | 11/22/21 10:43 |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Hilcorp Energy Corporation

Work Order: C21110744

Report Date: 11/30/21

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|--------------|-------|-----|------|-----------|----------------------|-----|----------|----------------------|
| Method: A2540 D | | | | | | | | | | Batch: TSS211123A |
| Lab ID: MB-1_211123A | | Method Blank | | | | | Run: BAL-111_211123A | | | 11/23/21 07:38 |
| Solids, Total Suspended TSS @ 105 C | | ND | mg/L | 0.4 | | | | | | |
| Lab ID: LCS-2_211123A | | | | | | | | | | Run: BAL-111_211123A |
| Solids, Total Suspended TSS @ 105 C | | 101 | mg/L | 10 | 101 | 80 | 120 | | | 11/23/21 07:38 |
| Lab ID: C21110744-001B DUP | | | | | | | | | | Run: BAL-111_211123A |
| Solids, Total Suspended TSS @ 105 C | | 40.5 | mg/L | 1.7 | | | | 2.3 | 5 | 11/23/21 07:38 |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Hilcorp Energy Corporation

Work Order: C21110744

Report Date: 11/30/21

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------------|------------------|---|-------|-----|-------------------------|-----------|------------|-----|----------------|----------------|
| Method: A4500-H B | | | | | | | | | | |
| Analytical Run: PHSC_101-C_211119A | | | | | | | | | | |
| Lab ID: 6.86 | 2 | Initial Calibration Verification Standard | | | | | | | | 11/19/21 07:52 |
| pH | | 6.8 | s.u. | 0.1 | 100 | 98 | 102 | | | |
| pH Measurement Temp | | 18.6 | °C | | | 0 | 0 | | | |
| Method: A4500-H B | | | | | | | | | | |
| Batch: R277005 | | | | | | | | | | |
| Lab ID: C21110744-001ADUP | Sample Duplicate | | | | Run: PHSC_101-C_211119A | | | | 11/19/21 18:12 | |
| pH | | 8.1 | s.u. | 0.1 | | | | 0.0 | 1.5 | |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Hilcorp Energy Corporation

Work Order: C21110744

Report Date: 11/30/21

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|----------------------------------|-------|---|-------|------|------|-----------|------------|-----|----------|-----------------------------------|
| Method: E300.0 | | | | | | | | | | Analytical Run: IC3-C_211124A |
| Lab ID: ICV | 4 | Initial Calibration Verification Standard | | | | | | | | 11/24/21 14:16 |
| Bromide | | 5.19 | mg/L | 0.10 | 104 | 90 | 110 | | | |
| Chloride | | 10.2 | mg/L | 1.0 | 102 | 90 | 110 | | | |
| Fluoride | | 5.02 | mg/L | 0.10 | 100 | 90 | 110 | | | |
| Sulfate | | 41.0 | mg/L | 1.0 | 102 | 90 | 110 | | | |
| Method: E300.0 | | | | | | | | | | Batch: R277235 |
| Lab ID: ICB | 4 | Method Blank | | | | | | | | Run: IC3-C_211124A 11/24/21 14:35 |
| Bromide | | ND | mg/L | 0.02 | | | | | | |
| Chloride | | ND | mg/L | 0.09 | | | | | | |
| Fluoride | | ND | mg/L | 0.02 | | | | | | |
| Sulfate | | ND | mg/L | 0.2 | | | | | | |
| Lab ID: LFB | 4 | Laboratory Fortified Blank | | | | | | | | Run: IC3-C_211124A 11/24/21 14:54 |
| Bromide | | 5.02 | mg/L | 0.10 | 104 | 90 | 110 | | | |
| Chloride | | 9.89 | mg/L | 1.0 | 103 | 90 | 110 | | | |
| Fluoride | | 4.95 | mg/L | 0.10 | 103 | 90 | 110 | | | |
| Sulfate | | 39.1 | mg/L | 1.0 | 102 | 90 | 110 | | | |
| Lab ID: C21110815-002AMS | 4 | Sample Matrix Spike | | | | | | | | Run: IC3-C_211124A 11/24/21 15:52 |
| Bromide | | 26.2 | mg/L | 0.26 | 104 | 80 | 120 | | | |
| Chloride | | 203 | mg/L | 1.0 | 93 | 80 | 120 | | | |
| Fluoride | | 24.7 | mg/L | 0.26 | 97 | 80 | 120 | | | |
| Sulfate | | 1040 | mg/L | 2.1 | | 80 | 120 | | | A |
| Lab ID: C21110815-002AMSD | 4 | Sample Matrix Spike Duplicate | | | | | | | | Run: IC3-C_211124A 11/24/21 16:11 |
| Bromide | | 26.8 | mg/L | 0.26 | 106 | 80 | 120 | 2.1 | 20 | |
| Chloride | | 202 | mg/L | 1.0 | 89 | 80 | 120 | 0.9 | 20 | |
| Fluoride | | 24.7 | mg/L | 0.26 | 97 | 80 | 120 | 0.1 | 20 | |
| Sulfate | | 1040 | mg/L | 2.1 | | 80 | 120 | 0.6 | 20 | A |

Qualifiers:

RL - Analyte Reporting Limit

A - Analyte level was greater than four times the spike level - in accordance with the method, percent recovery is not calculated

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Hilcorp Energy Corporation

Work Order: C21110744

Report Date: 11/30/21

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|--|--------|-------|-------|------|-----------|------------|-----|----------|------|
| Method: E353.2 Analytical Run: FIA201-C_211130B | | | | | | | | | | |
| Lab ID: ICV | Initial Calibration Verification Standard 11/30/21 13:13 | | | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | | 0.951 | mg/L | 0.050 | 95 | 90 | 110 | | | |
| Method: E353.2 Batch: R277303 | | | | | | | | | | |
| Lab ID: MBLK | Method Blank Run: FIA201-C_211130B 11/30/21 13:14 | | | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.01 | | | | | | |
| Lab ID: LFB | Laboratory Fortified Blank Run: FIA201-C_211130B 11/30/21 13:15 | | | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | | 0.988 | mg/L | 0.050 | 100 | 90 | 110 | | | |
| Lab ID: C21110814-001CMS | Sample Matrix Spike Run: FIA201-C_211130B 11/30/21 13:21 | | | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | | 1.02 | mg/L | 0.050 | 102 | 90 | 110 | | | |
| Lab ID: C21110814-001CMSD | Sample Matrix Spike Duplicate Run: FIA201-C_211130B 11/30/21 13:23 | | | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | | 1.02 | mg/L | 0.050 | 102 | 90 | 110 | 0.0 | 10 | |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Hilcorp Energy Corporation

Work Order: C21110744

Report Date: 11/30/21

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---------------------------|---|--------|-------|-----------------------|------|-----------|------------|----------------------------------|----------|----------------|
| Method: E365.1 | | | | | | | | Analytical Run: FIA201-C_211130A | | |
| Lab ID: ICV-65016 | Initial Calibration Verification Standard | | | 11/30/21 10:47 | | | | | | |
| Phosphorus, Total as P | | 0.200 | mg/L | 0.0050 | 100 | 90 | 110 | | | |
| Method: E365.1 | | | | | | | | Batch: 65016 | | |
| Lab ID: MB-65016 | Method Blank | | | Run: FIA201-C_211130A | | | | | | |
| Phosphorus, Total as P | | ND | mg/L | 0.004 | | | | | | 11/30/21 10:45 |
| Lab ID: LCS-65016 | Laboratory Control Sample | | | Run: FIA201-C_211130A | | | | | | |
| Phosphorus, Total as P | | 0.207 | mg/L | 0.0050 | 103 | 90 | 110 | | | 11/30/21 10:46 |
| Lab ID: C21110724-001CMS | Sample Matrix Spike | | | Run: FIA201-C_211130A | | | | | | |
| Phosphorus, Total as P | | 0.223 | mg/L | 0.0050 | 108 | 90 | 110 | | | 11/30/21 10:49 |
| Lab ID: C21110724-001CMSD | Sample Matrix Spike Duplicate | | | Run: FIA201-C_211130A | | | | | | |
| Phosphorus, Total as P | | 0.218 | mg/L | 0.0050 | 106 | 90 | 110 | 2.3 | 10 | 11/30/21 10:51 |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Hilcorp Energy Corporation

Work Order: C21110744

Report Date: 12/06/21

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|----------------------------------|-------|---|-------|-------|------|-----------|------------|-----|----------|------------------------------------|
| Method: E200.7 | | | | | | | | | | Analytical Run: ICP4-C_211201A |
| Lab ID: QCS | 3 | Initial Calibration Verification Standard | | | | | | | | 12/01/21 09:51 |
| Boron | | 0.783 | mg/L | 0.10 | 98 | 95 | 105 | | | |
| Potassium | | 40.1 | mg/L | 0.50 | 100 | 95 | 105 | | | |
| Sodium | | 38.8 | mg/L | 0.53 | 97 | 95 | 105 | | | |
| Method: E200.7 | | | | | | | | | | Batch: 65015 |
| Lab ID: MB-65015 | 3 | Method Blank | | | | | | | | Run: ICP4-C_211201A 12/01/21 23:41 |
| Boron | | ND | mg/L | 0.007 | | | | | | |
| Potassium | | ND | mg/L | 0.1 | | | | | | |
| Sodium | | ND | mg/L | 0.6 | | | | | | |
| Lab ID: LCS3-65015 | 7 | Laboratory Control Sample | | | | | | | | Run: ICP4-C_211201A 12/01/21 23:45 |
| Barium | | 0.469 | mg/L | 0.050 | 94 | 85 | 115 | | | |
| Boron | | 0.477 | mg/L | 0.050 | 95 | 85 | 115 | | | |
| Iron | | 2.53 | mg/L | 0.026 | 101 | 85 | 115 | | | |
| Magnesium | | 24.8 | mg/L | 1.0 | 99 | 85 | 115 | | | |
| Potassium | | 24.1 | mg/L | 1.0 | 96 | 85 | 115 | | | |
| Sodium | | 24.6 | mg/L | 1.0 | 99 | 85 | 115 | | | |
| Strontium | | 0.454 | mg/L | 0.010 | 91 | 85 | 115 | | | |
| Lab ID: C21110744-001CMS3 | 7 | Sample Matrix Spike | | | | | | | | Run: ICP4-C_211201A 12/01/21 23:58 |
| Barium | | 2.67 | mg/L | 0.050 | 101 | 70 | 130 | | | |
| Boron | | 5.05 | mg/L | 0.12 | 100 | 70 | 130 | | | |
| Iron | | 14.7 | mg/L | 0.13 | 107 | 70 | 130 | | | |
| Magnesium | | 134 | mg/L | 1.0 | 106 | 70 | 130 | | | |
| Potassium | | 126 | mg/L | 1.2 | 98 | 70 | 130 | | | |
| Sodium | | 912 | mg/L | 2.5 | | 70 | 130 | | | A |
| Strontium | | 2.38 | mg/L | 0.010 | 89 | 70 | 130 | | | |
| Lab ID: C21110744-001CMSD | 7 | Sample Matrix Spike Duplicate | | | | | | | | Run: ICP4-C_211201A 12/02/21 00:02 |
| Barium | | 2.73 | mg/L | 0.050 | 104 | 70 | 130 | 2.3 | 20 | |
| Boron | | 5.21 | mg/L | 0.12 | 107 | 70 | 130 | 3.1 | 20 | |
| Iron | | 14.8 | mg/L | 0.13 | 108 | 70 | 130 | 0.6 | 20 | |
| Magnesium | | 136 | mg/L | 1.0 | 108 | 70 | 130 | 1.3 | 20 | |
| Potassium | | 127 | mg/L | 1.2 | 99 | 70 | 130 | 0.6 | 20 | |
| Sodium | | 954 | mg/L | 2.5 | | 70 | 130 | 4.5 | 20 | A |
| Strontium | | 2.36 | mg/L | 0.010 | 88 | 70 | 130 | 1.1 | 20 | |

Qualifiers:

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A - Analyte level was greater than four times the spike level - in accordance with the method, percent recovery is not calculated



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Hilcorp Energy Corporation

Work Order: C21110744

Report Date: 12/06/21

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------|-------|---|-------|--------|------|-----------|------------|-----|----------|------------------------------------|
| Method: E200.7 | | Analytical Run: ICP4-C_211202A | | | | | | | | |
| Lab ID: QCS | | 4 Initial Calibration Verification Standard | | | | | | | | 12/02/21 16:06 |
| Barium | | 0.765 | mg/L | 0.10 | 96 | 90 | 110 | | | |
| Iron | | 3.94 | mg/L | 0.10 | 98 | 90 | 110 | | | |
| Magnesium | | 39.2 | mg/L | 0.50 | 98 | 90 | 110 | | | |
| Strontium | | 0.757 | mg/L | 0.10 | 95 | 90 | 110 | | | |
| Method: E200.7 | | Batch: 65015 | | | | | | | | |
| Lab ID: MB-65015 | | 4 Method Blank | | | | | | | | Run: ICP4-C_211202A 12/02/21 19:44 |
| Barium | | ND | mg/L | 0.0006 | | | | | | |
| Iron | | ND | mg/L | 0.03 | | | | | | |
| Magnesium | | ND | mg/L | 0.03 | | | | | | |
| Strontium | | ND | mg/L | 0.0006 | | | | | | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Hilcorp Energy Corporation

Work Order: C21110744

Report Date: 12/06/21

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---------------------------|-------|---|-------|--------|------|-----------------------|------------|----------------------------------|----------------|------|
| Method: E200.8 | | | | | | | | Analytical Run: ICPMS5-C_211205A | | |
| Lab ID: QCS | 3 | Initial Calibration Verification Standard | | | | | | 12/05/21 17:55 | | |
| Calcium | | 2.57 | mg/L | 0.64 | 103 | 90 | 110 | | | |
| Manganese | | 0.243 | mg/L | 0.0010 | 97 | 90 | 110 | | | |
| Selenium | | 0.0516 | mg/L | 0.0010 | 103 | 90 | 110 | | | |
| Method: E200.8 | | | | | | | | Batch: 65015 | | |
| Lab ID: MB-65015 | 3 | Method Blank | | | | Run: ICPMS5-C_211205A | | | 12/05/21 15:54 | |
| Calcium | | ND | mg/L | 0.07 | | | | | | |
| Manganese | | ND | mg/L | 0.0007 | | | | | | |
| Selenium | | ND | mg/L | 0.0001 | | | | | | |
| Lab ID: LCS3-65015 | 3 | Laboratory Control Sample | | | | Run: ICPMS5-C_211205A | | | 12/05/21 16:26 | |
| Calcium | | 23.8 | mg/L | 1.0 | 95 | 85 | 115 | | | |
| Manganese | | 2.30 | mg/L | 0.0010 | 92 | 85 | 115 | | | |
| Selenium | | 0.464 | mg/L | 0.0010 | 93 | 85 | 115 | | | |
| Lab ID: C21110744-001CMS3 | 3 | Sample Matrix Spike | | | | Run: ICPMS5-C_211205A | | | 12/05/21 16:40 | |
| Calcium | | 114 | mg/L | 1.0 | 89 | 70 | 130 | | | |
| Manganese | | 11.9 | mg/L | 0.0070 | 95 | 70 | 130 | | | |
| Selenium | | 2.36 | mg/L | 0.0017 | 95 | 70 | 130 | | | |
| Lab ID: C21110744-001CMSD | 3 | Sample Matrix Spike Duplicate | | | | Run: ICPMS5-C_211205A | | | 12/05/21 16:44 | |
| Calcium | | 115 | mg/L | 1.0 | 89 | 70 | 130 | 0.5 | 20 | |
| Manganese | | 12.0 | mg/L | 0.0070 | 96 | 70 | 130 | 0.5 | 20 | |
| Selenium | | 2.37 | mg/L | 0.0017 | 95 | 70 | 130 | 0.2 | 20 | |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hilcorp Energy Corporation

Work Order: C21110744

Report Date: 12/08/21

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|----------------------------------|-------------------------------|-------|-------------------------|------|-----------|------------|----------------|----------|------|
| Method: SW8260B | | | | | | | Batch: R371324 | | |
| Lab ID: LCS120321_ | Laboratory Control Sample | | Run: VOA5975C.I_211203B | | | | 12/03/21 11:57 | | |
| Ethylbenzene | 5.53 | ug/L | 0.50 | 111 | 78 | 131 | | | |
| Toluene | 5.62 | ug/L | 0.50 | 112 | 78 | 134 | | | |
| m+p-Xylenes | 11.0 | ug/L | 0.50 | 110 | 78 | 133 | | | |
| o-Xylene | 5.58 | ug/L | 0.50 | 112 | 79 | 136 | | | |
| Xylenes, Total | 16.6 | ug/L | 0.50 | 111 | 78 | 136 | | | |
| Lab ID: MBLK120321_ | Method Blank | | Run: VOA5975C.I_211203B | | | | 12/03/21 13:19 | | |
| Ethylbenzene | ND | ug/L | 0.50 | | | | | | |
| Toluene | ND | ug/L | 0.50 | | | | | | |
| m+p-Xylenes | ND | ug/L | 0.50 | | | | | | |
| o-Xylene | ND | ug/L | 0.50 | | | | | | |
| Xylenes, Total | ND | ug/L | 0.50 | | | | | | |
| Lab ID: B21120253-001AMS | Sample Matrix Spike | | Run: VOA5975C.I_211203B | | | | 12/03/21 20:38 | | |
| Ethylbenzene | 5.19 | ug/L | 0.50 | 104 | 78 | 131 | | | |
| Toluene | 5.35 | ug/L | 0.50 | 107 | 78 | 134 | | | |
| m+p-Xylenes | 10.4 | ug/L | 0.50 | 104 | 78 | 133 | | | |
| o-Xylene | 5.22 | ug/L | 0.50 | 104 | 79 | 136 | | | |
| Xylenes, Total | 15.7 | ug/L | 0.50 | 104 | 78 | 136 | | | |
| Lab ID: B21120253-001AMSD | Sample Matrix Spike Duplicate | | Run: VOA5975C.I_211203B | | | | 12/03/21 21:06 | | |
| Ethylbenzene | 5.38 | ug/L | 0.50 | 108 | 78 | 131 | 3.5 | 20 | |
| Toluene | 5.50 | ug/L | 0.50 | 110 | 78 | 134 | 2.7 | 20 | |
| m+p-Xylenes | 10.8 | ug/L | 0.50 | 108 | 78 | 133 | 3.0 | 20 | |
| o-Xylene | 5.40 | ug/L | 0.50 | 108 | 79 | 136 | 3.3 | 20 | |
| Xylenes, Total | 16.1 | ug/L | 0.50 | 108 | 78 | 136 | 3.1 | 20 | |

Qualifiers:

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QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hilcorp Energy Corporation

Work Order: C21110744

Report Date: 12/08/21

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|----------------------------------|-------------------------------|-------|-------------------------|------|-----------|------------|----------------|----------|------|
| Method: SW8260B | | | | | | | Batch: R371347 | | |
| Lab ID: LCS120221_ | Laboratory Control Sample | | Run: VOA5975C.I_211202C | | | | 12/02/21 11:17 | | |
| Benzene | 4.91 | ug/L | 0.50 | 98 | 71 | 133 | | | |
| Naphthalene | 4.25 | ug/L | 0.50 | 85 | 55 | 139 | | | |
| Surr: 1,2-Dichloroethane-d4 | | | 0.50 | 106 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | | | 0.50 | 105 | 77 | 126 | | | |
| Surr: p-Bromofluorobenzene | | | 0.50 | 101 | 76 | 127 | | | |
| Surr: Toluene-d8 | | | 0.50 | 108 | 79 | 122 | | | |
| Lab ID: MBLK120221_ | Method Blank | | Run: VOA5975C.I_211202C | | | | 12/02/21 12:39 | | |
| Benzene | ND | ug/L | 0.50 | | | | | | |
| Naphthalene | ND | ug/L | 0.50 | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | | | 0.50 | 111 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | | | 0.50 | 105 | 77 | 126 | | | |
| Surr: p-Bromofluorobenzene | | | 0.50 | 102 | 76 | 127 | | | |
| Surr: Toluene-d8 | | | 0.50 | 105 | 79 | 122 | | | |
| Lab ID: B21120153-002FMS | Sample Matrix Spike | | Run: VOA5975C.I_211202C | | | | 12/02/21 18:11 | | |
| Benzene | 105 | ug/L | 10 | 105 | 71 | 133 | | | |
| Surr: 1,2-Dichloroethane-d4 | | | 10 | 110 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | | | 10 | 106 | 77 | 126 | | | |
| Surr: p-Bromofluorobenzene | | | 10 | 101 | 76 | 127 | | | |
| Surr: Toluene-d8 | | | 10 | 105 | 79 | 122 | | | |
| Lab ID: B21120153-002FMSD | Sample Matrix Spike Duplicate | | Run: VOA5975C.I_211202C | | | | 12/02/21 18:39 | | |
| Benzene | 103 | ug/L | 10 | 103 | 71 | 133 | 2.3 | 20 | |
| Surr: 1,2-Dichloroethane-d4 | | | 10 | 109 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | | | 10 | 105 | 77 | 126 | | | |
| Surr: p-Bromofluorobenzene | | | 10 | 101 | 76 | 127 | | | |
| Surr: Toluene-d8 | | | 10 | 107 | 79 | 122 | | | |

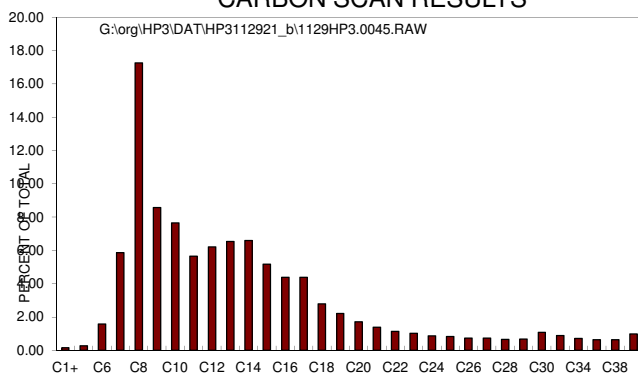
Qualifiers:

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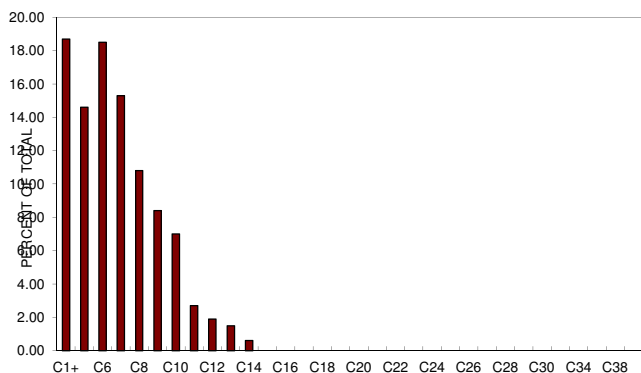
CARBON SCAN ANALYSIS RESULTS AND REFERENCE CARBON SCANS FOR COMPARISON PURPOSES

C21110744-001E (Hiawatha B.2) CARBON SCAN RESULTS



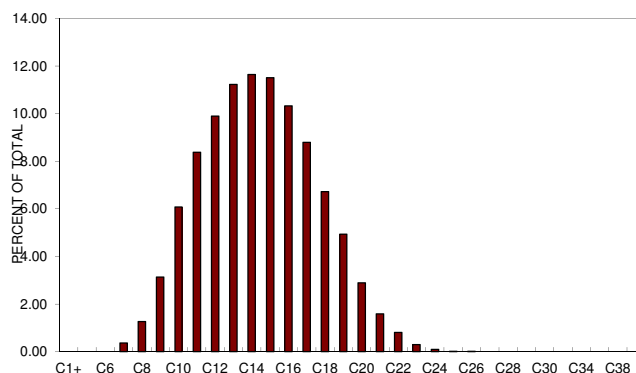
CARBON NUMBER (alkanes)

Gasoline, Regular



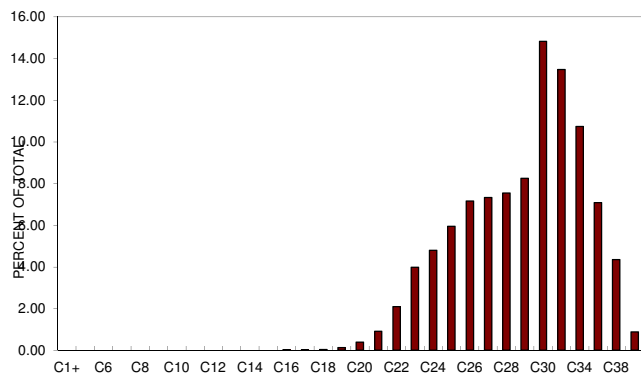
CARBON NUMBER (alkanes)

Diesel Fuel, #2



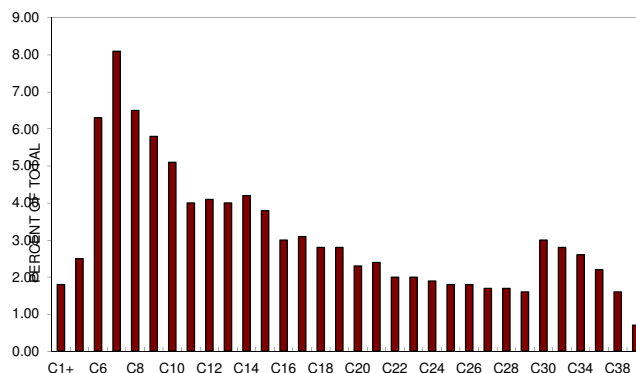
CARBON NUMBER (alkanes)

Oil, Motor Oil-30W



CARBON NUMBER (alkanes)

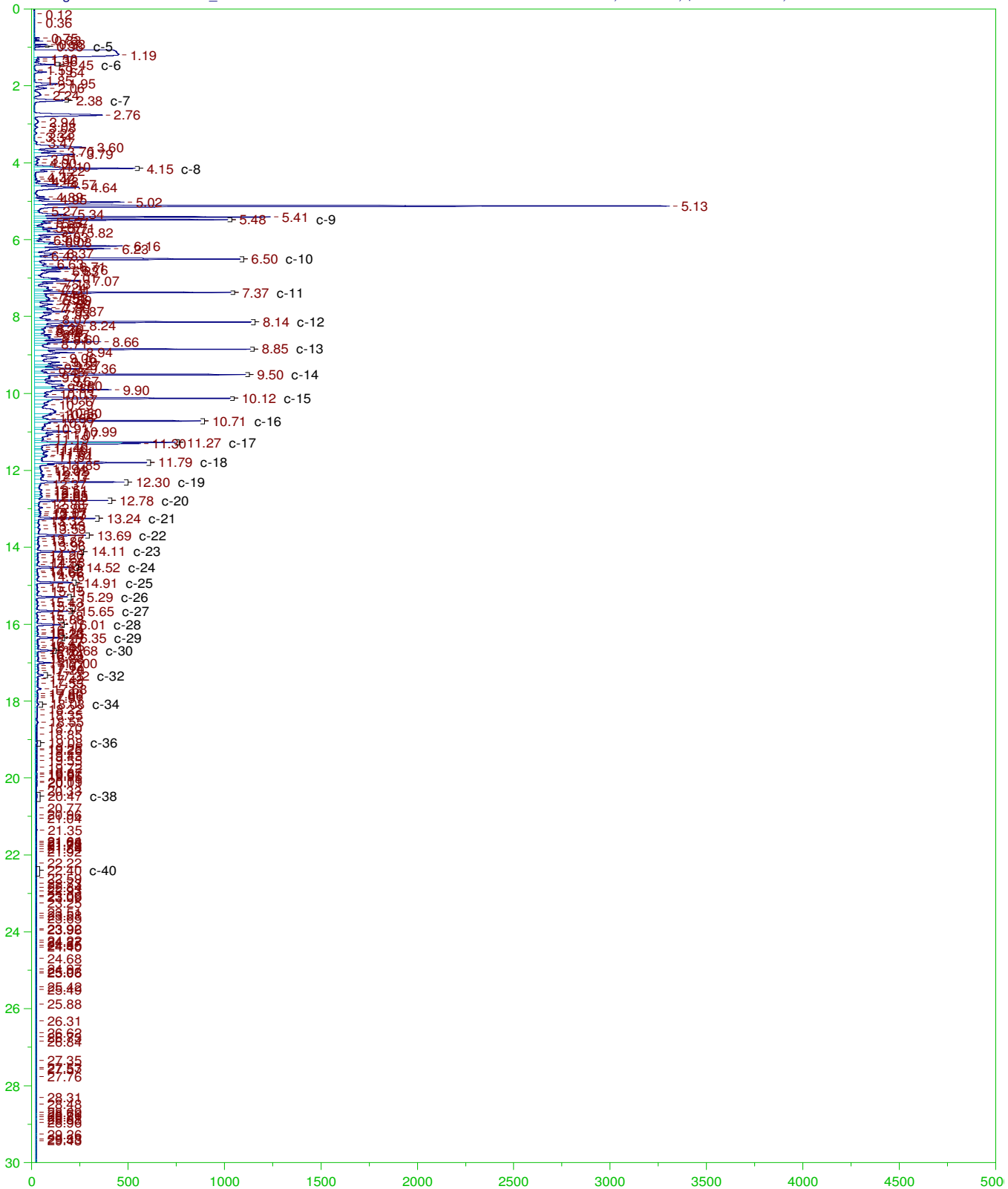
Crude Oil, Mission Canyon Formation



CARBON NUMBER (alkanes)

G:\org\HP3\DAT\HP3112921_b\1129HP3.0045.RAW

B21112067-001E ;1129HP3 , \$HC-CSCAN-O,





Work Order Receipt Checklist

Hilcorp Energy Corporation

C21110744

Login completed by: Kirsten L. Smith

Date Received: 11/19/2021

Reviewed by: Misty Stephens

Received by: iwm

Reviewed Date: 11/22/2021

Carrier name: NDA

| | | | |
|---|---|--|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on all shipping container(s)/cooler(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on all 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 type="checkbox"/> | No <input checked="" 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? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temp Blank received in all shipping container(s)/cooler(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |
| Container/Temp Blank temperature: | 3.4°C On Ice | | |
| Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4"). | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as —dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

2 of 3 VOA's received with >1/4" headspace.

Sample ID on sample labels is 67961.

Sample ID on COC is Hiawatha B.2 11/19/2021-KS



www.energylab.com

Page of

Report Information (if different than Account Information)

Comments

Company/Name _____

Contact _____

Phone _____

Mailing Address _____

City, State, Zip _____

Email _____

Reactive Report ☐ Hard Copy ☐ Email

Special Report/Forms: _____

☐ LEVEL IV ☐ NELAC ☐ EDD/EDT (contact laboratory) ☐ Other _____

[illegible]

Matrix Codes

| Matrix Codes | |
|--------------|-------------------|
| A - | Air |
| W - | Water |
| S - | Soils/ Solids |
| V - | Vegetation |
| B - | Bioassay |
| O - | Oil |
| DW - | Drinking Water |

[illegible]

All turnaround times are standard unless marked as RUSH.

Energy Laboratories
MUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page

[illegible]

ELI is REQUIRED to provide preservative traceability. If the preservatives supplied with the bottle order were NOT used, please attach your preservative information with this COC

| | | | | | | | | | | | |
|--------------------------------|-------------------------|--------------------------|---------------|--------------------------------|-------------------|---------------|----|------|-----------------------------|--------------|----------------------------------|
| Custody Record MUST be aligned | Relinquished by (print) | Date/Time | Signature | Received by (print) | Date/Time | Signature | | | | | |
| | Relinquished by (print) | Date/Time | Signature | Received by Laboratory (print) | Date/Time | Signature | | | | | |
| LABORATORY USE ONLY | | | | | | | | | | | |
| Shipped By | Cooler ID(s) | Custody Seals Y N C B | Intact Y N | Receipt Temp °C | Temp Blank Y N | On Ice Y N | CC | Cash | Payment Type Check _____ | Amount \$ | Receipt Number (cash/check only) |

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.



Trust our People. Trust our Data.
www.energylab.com

Billings, MT 800.735.4489 • Casper, WY 888.235.0515 • Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

BOTTLE ORDER 67961



SHIPPED **Hilcorp Energy Corporation**
TO:

Contact: Michael Ball
1515 Ninth St
Rock Springs WY 82901-
Phone: (281) 851-2338
Project: SWD

Order Created by: Misty Stephens
Shipped From: Casper, WY
Ship Date: 11/5/2021
VIA: Ground

| Bottle Size/Type | Bottles Per Samp | Method | Tests | Critical Hold Time | Preservative | Notes | Num of Samp |
|------------------|------------------|--------|-------|--------------------|--------------|-------|-------------|
|------------------|------------------|--------|-------|--------------------|--------------|-------|-------------|

SWD

| | | | | | | | |
|----------------------------------|---|--|---|----------|---|----------------------------|---|
| 1 Liter Plastic | 1 | A2320 B E300.0 A4500-H B A2510 B A2540 C | Alkalinity Anions by Ion Chromatography pH Conductivity Solids, Total Dissolved | 0.25 hrs | | | 1 |
| 2 Liter Plastic | 1 | A2540 D | Solids, Total Suspended | | | | 1 |
| 250 mL Plastic | 1 | E200.7_8 | Metals by ICP/ICPMS, Dissolved | | <input type="checkbox"/> HNO3 | Filter before preservation | 1 |
| 1 Liter Amber Glass Narrow Mouth | 2 | SimDist | Hydrocarbon Identification, Simulated Distillation | | <input type="checkbox"/> H2SO4 | | 1 |
| 40 mL Clear Glass VOA | 3 | SW8260B | 8260-Volatile Organic Compounds-Short List | | <input checked="" type="checkbox"/> HCL | Zero headspace | 1 |
| 250 mL Plastic | 1 | E365.1 E353.2 | Phosphorus, Total Nitrogen, Nitrate + Nitrite | | <input type="checkbox"/> H2SO4 | | 1 |

Supplies

| | | | | | | | |
|-----------------------------|---|-------|----------|--|--|-------------|---|
| Trip Blank for VOC Analysis | 1 | FIELD | Supplies | | | Do Not Open | 1 |
|-----------------------------|---|-------|----------|--|--|-------------|---|

| | | | |
|---|---|---|---|
| <input type="checkbox"/> HNO ₃ - Nitric Acid | <input type="checkbox"/> H ₂ SO ₄ - Sulfuric Acid | <input type="checkbox"/> NaOH - Sodium Hydroxide | We strongly suggest that the samples are shipped the same day as they are collected. |
| <input checked="" type="checkbox"/> ZnAc - Zinc Acetate | <input checked="" type="checkbox"/> HCl - Hydrochloric Acid | <input type="checkbox"/> H ₃ PO ₄ - Phosphoric Acid | |

Material Safety Data Sheets(MSDS) Available @ EnergyLab.com ->Services -> MSDS Sheets

Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant.

Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.