NV



October 12, 2023

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Third Quarter 2023 – SVE System Update

Hare #14M

San Juan County, New Mexico Hilcorp Energy Company NMOCD Incident Number: NRM2028852747

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Third Quarter 2023 –SVE System Update* report summarizing the soil vapor extraction (SVE) system performance at the Hare #14M natural gas production well (Site), located in Unit D of Section 10 of Township 29 North, Range 10 West, San Juan County, New Mexico (Figure 1). The SVE system was put into operation on June 6, 2023, to remediate subsurface soil impacts resulting from approximately 36 barrels (bbls) of natural gas condensate released from an aboveground storage tank. This report summarizes Site activities performed in June, July, August, and September of 2023.

SVE SYSTEM SPECIFICATIONS

The SVE system at the Site consists of a 3-phase, 6 horsepower Atlantic Blower AB-802 regenerative blower capable of producing 399 cubic feet per minute (cfm) flow and 125 inches of water column (IWC) vacuum. The system is powered by a permanent power drop and is intended to run 24 hours per day. Seven SVE wells are currently in operation and are shown on Figures 2 and 3. SVE wells SVE01, SVE07, and SVE09 are screened within "shallow zone" soil at depths up to 25 feet below ground surface (bgs). SVE wells SVE02, SVE03, SVE06, and SVE08 are screened within "deep zone" soil at depths up to 40 feet bgs.

SYSTEM STARTUP AND THIRD QUARTER 2023 ACTIVITIES

The SVE system began operation on June 6, 2023. Based on the New Mexico Oil Conservation Division (NMOCD) Conditions of Approval (COAs), dated November 7, 2022, field data measurements were collected from the system daily for the first week of operation and then weekly thereafter for the remainder of June, July, August, and September 2023. Field measurements included the following parameters: total system flow, estimated flow rates from each SVE well, photoionization detector (PID) measurements of volatile organic compounds (VOCs) from each SVE well, vacuum measurements from each SVE well, and oxygen/carbon dioxide measurements via hand-held analyzers from each SVE well. Field notes taken during operations and maintenance (O&M) visits are presented in Appendix A.

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 776 East 2nd Ave | Durango, CO 81301 | **ensolum.com**

Since startup, all Site SVE wells were operated in order to induce flow in impacted soil zones. Between June 6 and September 29, 2023, the SVE system operated for 2,763.9 hours for a runtime efficiency of 100 percent (%). Appendix B presents photographs of the runtime meter for calculating the third quarter 2023 runtime efficiency. Table 1 presents the SVE system operational hours and calculated percent runtime.

Based on the November 2022 COAs, initial air samples were collected on June 6 and June 7, 2023, from a sample port located between the SVE piping manifold and the SVE blower using a high vacuum air sampler. Prior to collection, the emission sample was field screened with a PID for organic vapor monitoring (OVM). The emission sample was collected directly into two 1-Liter Tedlar® bags and submitted to Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico for analysis of total volatile petroleum hydrocarbons (TVPH – also known as total petroleum hydrocarbons – gasoline range organics (TPH-GRO)) following United States Environmental Protection Agency (EPA) Method 8015D, volatile organic compounds (VOCs) following EPA Method 8260B, and fixed gas analysis of oxygen and carbon dioxide following Gas Processors Association (GPA) Method 2261. Subsequent samples were collected weekly for the first month of operation and then bi-weekly (twice per month) through the end of the third quarter of 2023. Tables 2 and 3 present a summary of field measurements and analytical data, respectively, collected between June and September 2023. Full laboratory analytical reports are attached as Appendix C. Graphs 1 and 2 present oxygen and carbon dioxide levels over time, respectively.

Air sample data and measured stack flow rates are used to estimate total mass recovered and total emissions generated by the SVE system (Table 4). Based on these estimates, 1,870 pounds (0.93 tons) of TVPH have been removed by the system to date. No phase-separated hydrocarbons were recovered from the system during the O&M and sampling period described above.

DISCUSSION AND RECOMMENDATIONS

As approved by the NMOCD (Appendix D), activities and data collected during the end of the second quarter and all of the third quarter of 2023 are summarized in this report. Flow measurements during the first quarter of operation were estimated for each SVE well based on the total system flow. In order to measure flow at each individual well, Hilcorp and Ensolum will install flow gauges in the fourth quarter of 2023 for future measurements. Additionally, flow readings collected from the system's inline rotameter and flows calculated from the differential pressure readings collected from the system pitot tube and magnehelic gauge were found to be consistently different throughout O&M visits performed at the Site. Ensolum has been working to troubleshoot the discrepancy and determine the most accurate method for collecting system flow measurements. To be conservative, Ensolum used the lower flow rates for calculating system mass recovery. The fourth quarter 2023 report will present further details regarding this effort and corrected mass recovery calculations, if necessary.

Monthly O&M visits and bi-monthly (every other month) sampling events will continue to be performed by Ensolum and/or Hilcorp personnel to ensure the SVE system is operating within normal working ranges (i.e., temperature, pressure, and vacuum). Deviations from regular operations will be noted on field logs and included in the following quarterly report.



Page 3

We appreciate the opportunity to provide this report to the NMOCD. If you should have any questions or comments regarding this report, please contact the undersigned.

Sincerely,

Ensolum, LLC

Stuart Hyde, LG Senior Geologist

(970) 903-1607 shyde@ensolum.com Daniel R. Moir, PG Senior Managing Geologist (303) 887-2946 dmoir@ensolum.com

Attachments:

Appendix D

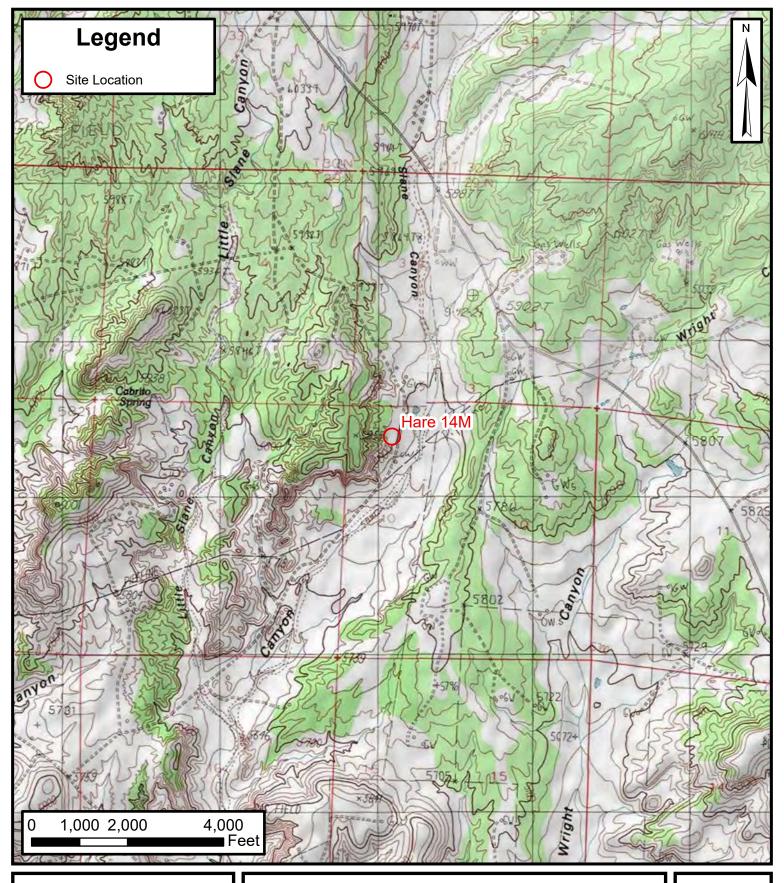
| Figure 1 | Site Location Map |
|--|---|
| Figure 2 | SVE System Shallow Zone Wells |
| Figure 3 | SVE System Deep Zone Wells |
| Table 1 | Soil Vapor Extraction System Runtime Calculations |
| Table 2 | Soil Vapor Extraction System Field Measurements |
| Table 3 | Soil Vapor Extraction System Air Analytical Results |
| Table 4 | Soil Vapor Extraction System Mass Removal and Emissions |
| Graph 1 | Oxygen vs Time |
| Graph 2 | Carbon Dioxide vs Time |
| Appendix A Appendix B Appendix C | Field Notes Project Photographs Laboratory Analytical Reports |

NMOCD Correspondence





FIGURES

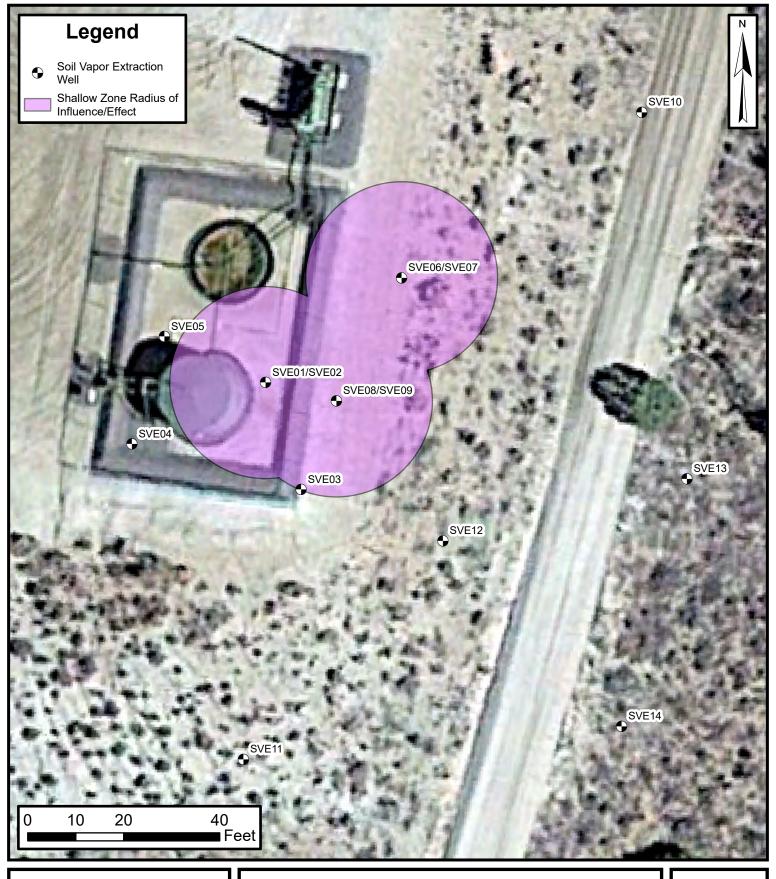




Site Location Map

Hare #14M Hilcorp Energy Company 36.7746141, -107.878021 San Juan County, New Mexico FIGURE

1





SVE System Shallow Zone Wells

Hare #14M Hilcorp Energy Company 36.7746141, -107.878021 San Juan County, New Mexico FIGURE

2





SVE System Deep Zone Wells

Hare #14M Hilcorp Energy Company 36.7746141, -107.878021 San Juan County, New Mexico FIGURE

3



TABLES AND GRAPHS



TABLE 1 SOIL VAPOR EXTRACTION SYSTEM RUNTIME CALCULATIONS

Hare #14M Hilcorp Energy Company San Juan County, New Mexico

| Date | Total Operational Hours | Delta Hours | Days | Percent Runtime |
|-----------|----------------------------|-------------|-------|-----------------|
| 6/6/2023 | 292 | Startup | | |
| 9/29/2023 | 3,056 | 2,763.9 | 115.0 | 100% |

Ensolum 1 of 1

SVE Well ID

Influent, All Wells

SVE01

SVE02

SVE03

8/24/2023

9/8/2023

9/21/2023

6/6/2023

6/7/2023

6/13/2023

6/23/2023

6/29/2023

7/13/2023

7/27/2023

8/9/2023

8/24/2023

9/8/2023

9/21/2023

6/6/2023

6/7/2023

6/13/2023

6/23/2023

6/29/2023

7/13/2023

7/27/2023

8/9/2023

8/24/2023

9/8/2023

9/21/2023

6/6/2023

6/7/2023

6/13/2023

6/23/2023

6/29/2023

7/13/2023

7/27/2023

8/9/2023

8/24/2023

9/8/2023

9/21/2023

610

444

398

1,620

1,983

1,520

1,245

1.441

1,585

1,292

923

982

763

435

738 195

281

98.0

120

109

265

368

248

89.6

135

1,030

130

35.0

15.0

29.0

56.5

59.5

171

108

65.2

64.0



20.9

22.9

23.2

23.2

229

22.5

22.8

22.1

22.0

21.4

23.2

23.3

23.4

23.4

23.3

22.6

22.9

22.2

22.2

21.7

23.2

23.4

23.2

22.8

23.3

22.5

23.0

21.9

22.3

21.4

(%)

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2.28

0.48

0.26

0.24

0.26

0.24

0.18

0.12

0.14

0.08

0.04

0.04

0.06

0.00

0.00

0.02

0.04

0.02

0.02

0.04

0.00

0.00

0.04

0.00

0.00

0.02

0.04

0.18

0.11

0.02

TABLE 2 SOIL VAPOR EXTRACTION SYSTEM FIELD MEASUREMENTS Hare #14M **Hilcorp Energy Company** San Juan County, New Mexico PID Flow Rate Carbon Dioxide Date Vacuum (IWC) Oxygen (%) (cfm)(1) (ppm) 6/6/2023 1,769 70 6/7/2023 1,367 78 --1,023 6/13/2023 35 44 6/23/2023 40 40 675 6/29/2023 781 40 40 7/13/2023 745 42 37 7/27/2023 414 45 36 8/9/2023 403 48 34

46

48

46

10

5.0

5.7

5.7

6.0

6.4

6.9

6.6

6.9

6.6

10

5.0

5.7

5.7

6.0

6.4

6.9

6.6

6.9

6.6

10

5.0

5.7

5.7

6.0

6.4

6.9

6.6

6.9

6.6

37

36

36

61.9

29.3

23.9

24.2

20.8

18.8

21.2

20.7

63.3

30.2

24.7

24.7

21.2

19.7

21.8

21.1

61.8

30.4

25.6

25.1

20.0

17.8

19.5

Ensolum 1 of 2



TABLE 2 SOIL VAPOR EXTRACTION SYSTEM FIELD MEASUREMENTS Hare #14M **Hilcorp Energy Company** San Juan County, New Mexico PID Flow Rate **Carbon Dioxide SVE Well ID** Date Vacuum (IWC) Oxygen (%) (cfm)(1) (ppm) (%) 6/6/2023 967 6/7/2023 1,120 10 62.3 21.4 2.81 6/13/2023 814 5.0 30.8 22.9 0.56 6/23/2023 15.0 5.7 26.3 23.2 0.06 25.4 6/29/2023 23.0 5.7 23.0 0.00 7/13/2023 0.00 SVE06 14.2 6.0 23.3 7/27/2023 174 6.4 20.8 22.5 0.04 8/9/2023 227 6.9 19.5 23.0 0.10 8/24/2023 216 6.6 21.5 22.2 0.04 9/8/2023 178 6.9 22.3 0.06 9/21/2023 180 6.6 21.7 21.7 0.00 6/6/2023 617 6/7/2023 967 10 61.7 21.1 2.12 6/13/2023 786 5.0 30.2 22.8 0.52 6/23/2023 575 5.7 24.9 0.24 6/29/2023 649 5.7 24.6 22.8 0.28 SVE07 7/13/2023 605 6.0 23.2 0.20 22.4 7/27/2023 582 6.4 19.9 0.24 8/9/2023 6.9 19.3 22.8 0.24 420 8/24/2023 195 6.6 20.8 22.1 0.04 9/8/2023 439 6.9 22.3 0.04 9/21/2023 335 21.5 21.2 0.12 6.6 6/6/2023 1,065 6/7/2023 1,168 10 61.8 22.2 1.04 6/13/2023 102 5.0 28.6 23.2 0.00 57 55.0 25.4 23.0 0.06 6/23/2023 6/29/2023 68.0 5.7 25.7 22.9 0.00 SVE08 7/13/2023 58.5 6.0 23.3 0.00 7/27/2023 44.5 6.4 20.5 22.5 0.04 8/9/2023 144 6.9 19.0 23.0 0.04 8/24/2023 112 6.6 21.6 22.1 0.06 9/8/2023 75.7 6.9 --22.4 0.02 91.0 6.6 20.1 0.04 9/21/2023 21.7 6/6/2023 1,518 10 6/7/2023 545 60.3 22.6 0.78 6/13/2023 242 5.0 27.2 22.9 0.52 6/23/2023 5.7 24.1 22.9 0.08 165 6/29/2023 425 5.7 23.8 22.6 0.30 SVE09 7/13/2023 42.5 6.0 23.3 0.00 7/27/2023 277 6.4 19.3 22.4 0.18 8/9/2023 226 6.9 18.2 0.12 23.0 8/24/2023 250 20.9 0.10 6.6 22.1 9/8/2023 41.0 6.9 22.4 0.02

Notes

(1): flow rates estimated based on total flow for field measurements collected between 6/6/2023 and 9/21/2023

62.0

IWC: inches of water column

9/21/2023

PID: photoionization detector

ppm: parts per million

cfm: cubic feet per minute

%: percent

--: not measured

6.6

19.2

21.7

0.04



TABLE 3 SOIL VAPOR EXTRACTION SYSTEM EMISSIONS ANALYTICAL RESULTS Hare #14M Hilcorp Energy Company San Juan County, New Mexico TVPH/GRO PID Benzene Toluene Ethylbenzene **Total Xylenes** Oxygen Carbon Dioxide Date (ppm) (µg/L) (µg/L) _ (μg/L) (μg/L) (µg/L) (%) (%) 6/6/2023 1,769 84 480 25 270 31,000 15.34 3.53 6/7/2023 1,367 43 280 17 200 14,000 21.26 1.14 14 11,000 21.47 6/13/2023 1,023 27 220 160 0.63 27 3.9 21 59 0.38 6/23/2023 675 41 50 3.400 6/29/2023 781 8.8 150 13 160 5,000 21.63 0.31 21.64 7/13/2023 745 <5.0 120 11 140 4,500 0.28 7/27/2023 414 <5.0 62 5.7 73 2,700 21.70 0.22 8/9/2023 403 55 5.5 69 2,600 21.73 0.23 8/24/2023 610 <5.0 53 7.5 99 2,700 21.66 0.24 9/8/2023 444 < 5.0 37 5.6 74 2,100 21.72 0.20 9/21/2023 398 39 6.6 96 2,300 21.75

Notes:

GRO: gasoline range organics

μg/L: microgram per liter
PID: photoionization detector

PID: photoionization detector ppm: parts per million

TVPH: total volatile petroleum hydrocarbons

%: percent

<: result less than the stated laboratory reporting limit (RL)



TABLE 4

SOIL VAPOR EXTRACTION SYSTEM MASS REMOVAL AND EMISSIONS

Hare #14M

Hilcorp Energy Company San Juan County, New Mexico

Flow and Laboratory Analysis

| Date | PID (ppm) | Benzene (μg/L) | Toluene (μg/L) | Ethylbenzene (μg/L) | Total Xylenes (μg/L) | TVPH (μg/L) | | |
|-----------|--------------|-------------------|-------------------|------------------------|-------------------------|----------------|--|--|
| 6/6/2023 | 1,769 | 84 | 480 | 25 | 270 | 31,000 | | |
| 6/7/2023 | 1,367 | 43 | 280 | 17 | 200 | 14,000 | | |
| 6/13/2023 | 1,023 | 27 | 220 | 14 | 160 | 11,000 | | |
| 6/23/2023 | 675 | 2.7 | 41 | 3.9 | 50 | 3,400 | | |
| 6/29/2023 | 781 | 8.8 | 150 | 13 | 160 | 5,000 | | |
| 7/13/2023 | 745 | 5.0 | 120 | 11 | 140 | 4,500 | | |
| 7/27/2023 | 414 | 5.0 | 62 | 5.7 | 73 | 2,700 | | |
| 8/9/2023 | 403 | 5.0 | 55 | 5.5 | 69 | 2,600 | | |
| 8/24/2023 | 610 | 5.0 | 53 | 7.5 | 99 | 2,700 | | |
| 9/8/2023 | 444 | 5.0 | 37 | 5.6 | 74 | 2,100 | | |
| 9/21/2023 | 398 | 5.0 | 39 | 6.6 | 96 | 2,300 | | |
| Average | 784 | 18 | 140 | 10 | 126 | 7,391 | | |

Vapor Extraction Summary

| Date | Flow Rate (cfm) | Total System Flow (cf) | Delta Flow (cf) | Benzene (lb/hr) | Toluene (lb/hr) | Ethylbenzene (lb/hr) | Total Xylenes (lb/hr) | TVPH (lb/hr) |
|-----------|---------------------------------------|------------------------|--------------------|--------------------|--------------------|-------------------------|--------------------------|-----------------|
| 6/6/2023 | | | System Startup | | | | | |
| 6/7/2023 | 70 | 117,180 | 117,180 | 0.017 | 0.099 | 0.0055 | 0.062 | 5.9 |
| 6/13/2023 | 35 | 412,440 | 295,260 | 0.0069 | 0.049 | 0.0030 | 0.035 | 2.5 |
| 6/23/2023 | 40 | 987,720 | 575,280 | 0.0021 | 0.018 | 0.0013 | 0.015 | 1.0 |
| 6/29/2023 | 40 | 1,336,440 | 348,720 | 0.00086 | 0.014 | 0.0013 | 0.016 | 0.63 |
| 7/13/2023 | 42 | 2,187,948 | 851,508 | 0.0011 | 0.021 | 0.0018 | 0.023 | 0.73 |
| 7/27/2023 | 45 | 3,087,588 | 899,640 | 0.00081 | 0.015 | 0.0014 | 0.017 | 0.59 |
| 8/9/2023 | 48 | 3,992,484 | 904,896 | 0.00087 | 0.010 | 0.0010 | 0.012 | 0.46 |
| 8/24/2023 | 46 | 4,912,116 | 919,632 | 0.00088 | 0.0095 | 0.0011 | 0.015 | 0.47 |
| 9/8/2023 | 48 | 5,817,012 | 904,896 | 0.00088 | 0.0079 | 0.0012 | 0.015 | 0.42 |
| 9/21/2023 | 46 | 6,685,032 | 868,020 | 0.00088 | 0.0067 | 0.0011 | 0.015 | 0.39 |
| | Average 0.0032 0.025 0.0019 0.022 1.3 | | | | | | | |

Flow and Laboratory Analysis

| Date | Total Operational Hours | Delta Hours | Benzene (pounds) | Toluene (pounds) | Ethylbenzene (pounds) | Total Xylenes (pounds) | TVPH (pounds) | TVPH (tons) |
|-----------|----------------------------|---------------------|---------------------|---------------------|--------------------------|---------------------------|------------------|----------------|
| 6/6/2023 | 292 | • | System Startup | | | | | • |
| 6/7/2023 | 319 | 28 | 0.464 | 2.78 | 0.153 | 1.7 | 164 | 0.082 |
| 6/13/2023 | 460 | 141 | 0.966 | 6.90 | 0.43 | 5.0 | 345 | 0.173 |
| 6/23/2023 | 700 | 240 | 0.499 | 4.39 | 0.301 | 3.53 | 242 | 0.121 |
| 6/29/2023 | 845 | 145 | 0.125 | 2.08 | 0.184 | 2.28 | 91 | 0.046 |
| 7/13/2023 | 1,183 | 338 | 0.36 | 7.0 | 0.622 | 7.77 | 246 | 0.123 |
| 7/27/2023 | 1,516 | 333 | 0.27 | 4.9 | 0.45 | 5.8 | 195 | 0.098 |
| 8/9/2023 | 1,830 | 314 | 0.27 | 3.2 | 0.31 | 3.9 | 145 | 0.072 |
| 8/24/2023 | 2,191 | 361 | 0.317 | 3.4 | 0.41 | 5.3 | 168 | 0.084 |
| 9/8/2023 | 2,549 | 358 | 0.315 | 2.8 | 0.41 | 5.4 | 151 | 0.076 |
| 9/21/2023 | 2,864 | 315 | 0.276 | 2.1 | 0.34 | 4.7 | 122 | 0.061 |
| _ | Total Ma | ss Recovery to Date | 3.9 | 40 | 3.6 | 45 | 1,870 | 0.93 |

Notes:

cf: cubic feet

cfm: cubic feet per minute

μg/L: micrograms per liter

lb/hr: pounds per hour

--: not sampled

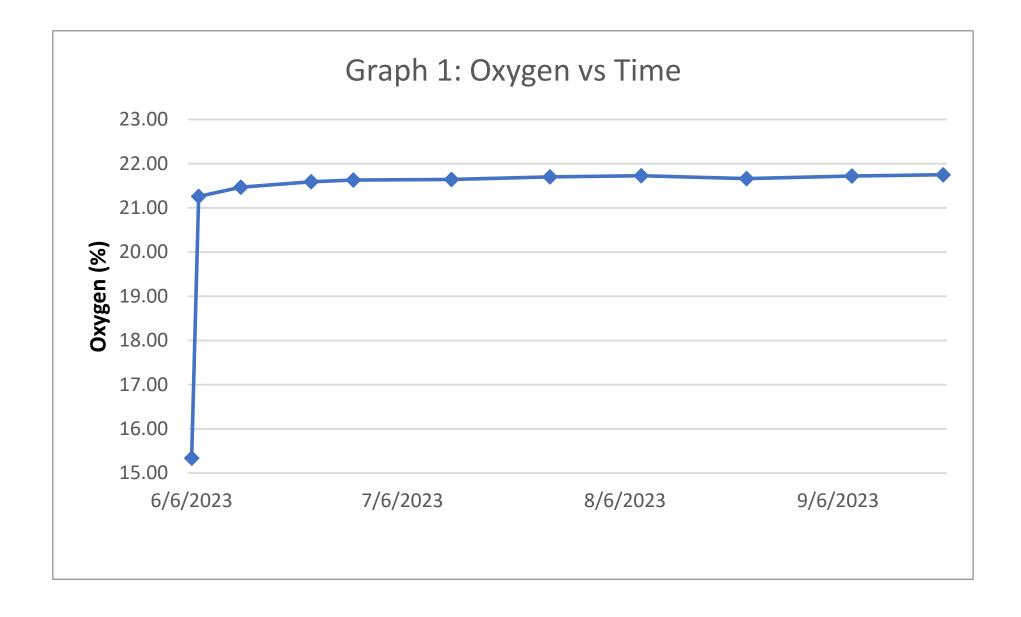
PID: photoionization detector

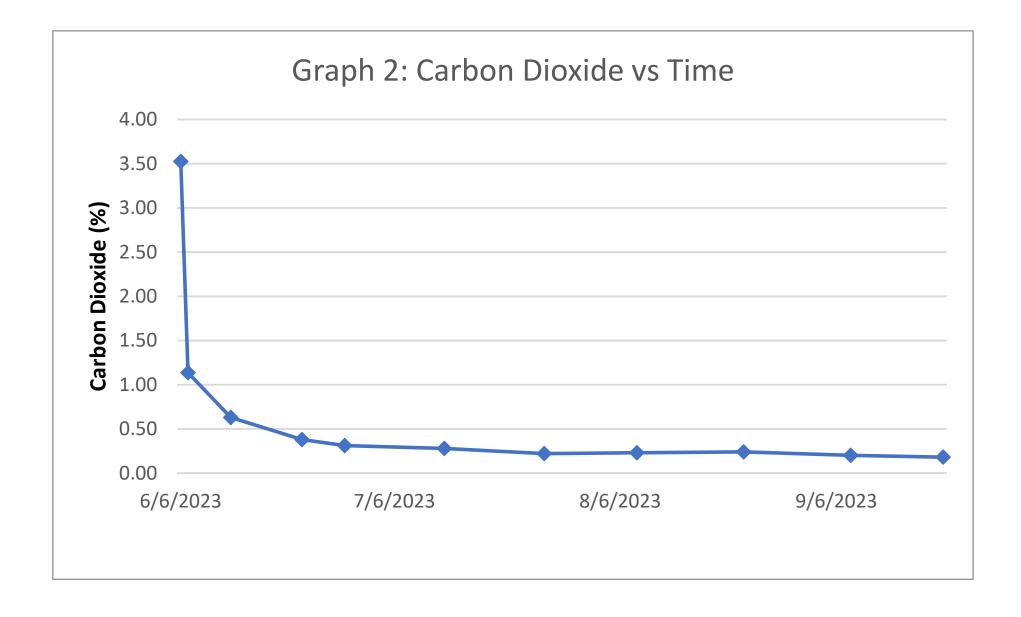
ppm: parts per million

TVPH: total volatile petroleum hydrocarbons

gray: laboratory reporting limit used for calculating emissions

Ensolum 1 of 1







APPENDIX A

Field Notes

Location — 10/13/2023 9:27:11 AM M Date 6-6-23 111 Project / Client _ HEC DB Truck/tools, HVAT, PID, Tedlass. 11300 Ongite to start SVE system. PID w/ 100 isobuty lene Collibrate 6-gas meter. Headspace PID, no SVE active 1,620 ppm SVE OI 738 02 03 1,030 06 967 617 07 1.065 08 1,518 09 Start SVE @ 12:00 this meter reads 291.5 - Konnet ed to VFD, which should always have power, so will need to reconnect to only show when blower 49 UV. 1220- Collect Inflorent air sample -All wells on. "Influent All Wells" 1D-17-69 ppm Rite in the Rein. Released to Imaging: 7/3/2024 7:42:25 AM

116
Received by OCD: 10/13/2023 1:27:19412. _ Date 6723 Project / Client HEC Cloudy 70-80s DB Truck/tools PID, 6-gas, HVAS 1443- Onsite for SVE startup/04M - System running upon arrival. SVE System Rotameter Flow-70 scru Vacgauge - 78 INC Piff Press. - 4.2 mc KO Tank sight tube No liquids in Laation CH4 DXY H2S CO CO2 PID SUE 01 10 D 21:4 Ø 1120 2.18 0263.3 1 23.2 195 0 0.04 03619 0 130 23.2 0 0 0 06 62.3 10 21.4 2.81 0 1,120 0 07 61.7 6 21.1 967 2.12 0 08 61.8 9 22.2 1.04 1,168 0 09 60.3 2 22.6 0 545 0 0.78 Inlet 9 21.2 O 2.22 1,386 Exh. 9 21/2 2.20 0 1,470 SUEU1 17 20,9 0 . 0 2.28 1,983 vol 10 PPM PPM POI! tpm 1540- Infl nent All Wells" air sample ... collected. Hrs-319.4 PD-1,367. 1 pm (600 - Offsito

6-9-6 Sizi Received by OCD: 10/13/2023 9:27:16 AM Location Hare 14 M Project / Client HEC Sumy, Breezy 805 1B Truck/tools, +10AS, PID, 6-BOS 1330 - Onsite for SVE ONM, start up week Runau HASP. 554. System running upon arrival. All wells active. Skild has some low trequency vibration/ sound. It goes away when weight is applied to center of skid pallet/plate. Vacuum fresh air and lowering overall vacuum Vac CHY OXY HIS CO CO2 PID SVE 01 33.2 12 22.5 6 0 0.80 1,663 02 33.8 4 22.8 0 0 0.36 472 03 33.4 0 23.8 0 0 0 44 0 6 33.4 0 23.3 0 0 0 58 07. 32.8 0 0.72 759 4 22.6 0 0 23.3 0 232 08 33.5 0 : 0 725 0 0 0.84 109 32.5 4 22.8 Inlet Exhaust 0 0.92 1,006 7 22.5 0 0 0.48 762 22.8 0 from vol. 1. wc 1. 10/1. ppm ppm 35 SCFM Rotarnetes flowvac gauge - 45 INC Runtime @1445 Diff. Tress. - 2.3 INC HVS - 366.4 1500-0F15118

DB Page 21 of 166 Hore project/Client HEC OHM stuff. DB Onsite System running upon arrival. All wells on. Conditions Rotameter 35 SCRM 44 Vac Gauge -INC Diff. Press. 2.4 iwe No liquids KO in Tank Runtime - 438.9 460.0 CH4 Vac Oxy Hos PID Sveol 29,3 8 22.9 0.48 1,520 0 0 02 30.2 23.3 0.04 281 U 03 30.4 23.4 0 35 O 0 O 06 30.8 4 0.56 814 22.9 0 07 0.52 786 30.2 22.8 0 08 0 23.2 102 28.6 0 22.9 27.2 22.8 0.62 1.023 6 0 0 In 0.34 23.0 3 Out 661 "Influent All Wells" and sample collected 1300 81D-1,023 Rite in the Rain.

Rite in the Rain

Received by OCD: 10/13/2023 9:27:16 MM Location 1/17 12 MM Date 7/6/25 Page 24 of 160 137 Project / Client / Slcap RIL, Truck, PED, HVAS Engle, 4-205 10:47 - RH on Sike For 0+M - System curing on arrival, all wells open - K/O Tak empty - Cal: 6 rate 8ID w/ 100 PM Isolantylus Rotometer = 42 Vac : 38 Deff. Prissue= 2,9 1011.5 Rus time SVE Vac CHy Ox H2S 00 Co2 PTO 24.3 24 22.7 0.24 11, 477 01 0.06 48 23.0 0 0 24.8 02 0 23.0 0 0.02 | 33 24.1 0002 03 0 23.0 0.08 198 0 24.3 06 0.26 653 122.9 23.9 07 ٥ 0.06 12.0 D 23.0 24.2 08 0.26 428 22.9 0 22.8 09 651 0 0.28 22.9 Inlet 530 23.0 Gutlet 12:00 RH off site

Released to Imaging: 7/3/2024 7:42:25 AM

Received by OCD: 10/13/2023 9:27:16 AM Location 16 PC Page 26 of 166 Date 7-18-13 137 Project / Client H &C truck 4.55, PID, vac sample 95° sunmi 12:40 ZM+SW anote for O+M al SVE JSA sizual Operating Parametes - system runns all valves open sofm 48 no fluids in Ko tal WC 36 1361.8 hours at diff pro 2.8 12:50 SVE Press CHL 02 HS CO 019 600 01205 23,4 0.0 0.24 1160 02 220 0 23.8 0.0 0 0.00 130,5 03 18.5 23.7 000 0.264552 06/21.3 0 23,9 6.0 0 0.00 76.7 0721.4 0 24.0 0.0 0.04 50.14 0 0820.8 0 24.0 0.0 0.0250,5 0 0 9 19.7 0 24.0 0.0 Inlet 2 23.8 0.0 Exhaut 1 23.9 0.0 0 0 0,24 478.6 23.9 0.0 0.16 4135 0 WC %LEL Vologo ppm Vol of ppm John * 03 \$ 07 got switched accidentally except for pressure 13:37 reaving for office ZM Rete in the Russ. Released to Imaging: 7/3/2024 7:42:25 AM

Received by OCD: 10/13/2023 9:27:16 AM Date 7/27/23 Page 27 of 160 Project / Client Hilcorp truck, PID, vac pump, sample kit, 4 ges 3+86° 10:15 onsik for OHM and sampling HASP revened, JSA signal, PID albartel System runny, all values open cotametr: 45 schim lift pas: 3.0 in WC Vac : 36 in WC hows 1,516.1@10:30 no liquids in KO tank SVEIVAC CHY O2 H25 CO CO2/PID 01 20.8 6 22.5 0.0 0.24/1292 0 0.02 265 02/212 0 22.6 0.0 0.02 59.5 22.5 0.0 20.00 03 0.04 173.5 22.5 0.0 20.8 0 0 06 2 0.24 582.4 19.9 22.4 0.0 0 07 0.0444.5 22.5 0.0 20.5 0 08 0.18 276.5 22.4 0.0 19.3 0 09 0.18.413.8 22,40.0 0 m 0.12 389.2 2 22.5 0.0 0 OUT ppm Vol & ppm inWC %LEL Vd & ppm 2x Tellor beg ges samples "Hare 14M Influent" -PID 413.8 ppm @ 11:35 11:45 leaving sub Rete in the Ruin . Released to Imaging: 7/3/2024 7:42:25 AM

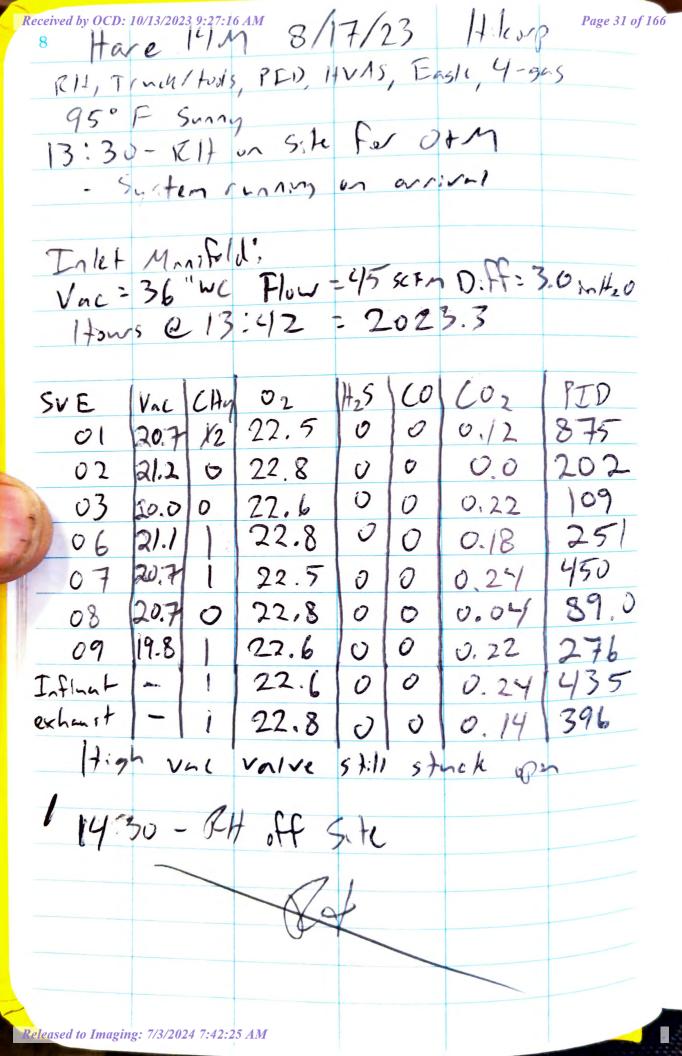
Received by OCD: 10/18/2023 9:27:16 AM Location Page 28 of 166 Date 8/3/23 Project / Client Hilwg OCH, Truck, PED, HUAS, Eagle, 4-965 870, Sunny Sike for orm 1250 - RIt un - System running on - all wells open - ellow @ exhanst broken - Hons = 1686,4 Flow: 455c FM, Vac: 35 WC, D. F=3 m/20 PFP 60 SVE Unc 02 (02 Clty 363 01 199 23.0 0-18 2 0.62 164 23.3 0 07 20.4 23,3 100 0.04 03 19.6 0 0 051 124 0.08 0 23.4 06 210 O 0 360 0.22 23.2 0 0 07 20.3 75 0.64 08 20,3 23.4 0 195 0.16 23.3 0 09 19.2 353 0.20 23,5 0 IN -456 0.14 23.3 0 0 UNT 1-V.1 % TAWY & LEL 112 Vid 70 Vaccum releif value stuck your Close SUE 08, 06, 03 Released to Imaging: 7/3/2024 7:42:25 AM.

Date 8/3/23 Page 29 of 166 Received by OCD: 10/13/2023 9:27:16 AM Location Have 14 M Project / Client / Killing - a(on 1 Vac = 38"WC, Flow= 40 SCFM, D.A=2.7 - open SVE 03, 06, 08 - All wells open 1425 RH off site

Released to Imaging: 7/3/2024 7:42:25 AM

Received by OCD: 10/13/2023 9:27:16 AM / 9/23 H: 100 p Page 30 of 166 RH, Toude /tools, HVAS, PLD, Fagle, 4-905, Sende Kit 12:35 - RH on Ste For OfM & 6: - weekly sanging - Systen Runns on arrival Inlet Manifold Flow = 48 SCFM, Vac = 34" WG, D: AF = 3 = H20 Hows @ 12: 54 = 1830.3 SVE Vac CHY \mathcal{O}_2 1/25 60 (0) PID 18.8 01 22.8 0 923 0.18 02 19.7 22,9 0,04 368 03 17.8 23.0 0.04 171 06 19.5 23,0 0.10 227 07 19.3 22.8 0.24 420 08 19.0 23.0 0.04 144 09 23.0 18/2 0.12 226 Influit 22.9 0,20 403 Exhand sample "Influent" @ 13:20 - SU Shut off system to report exhaust - repared renforced w/additional T-gost + hose clamps 1430-RIT OFF 5:H Rite in the Rain.

Released to Imaging: 7/3/2024 7:42:25 AM



Receive 1 by OCD: 10/13/2023 19/27:16 AM 8-24-23 Page 32 of 166 zm +ruch, PID, caste, HyAS, sample ket, 4.95 raining 720 HASP revened, JSA syred 13:10 ZM onside for O+M and gos sampling System parametes - runny upon arrival Vac 37 inte 2191.2 hours at OF Pros 2.9 ... UC 13:20 Flow 46 scfm all valve open, no flord in Kome - Vac relial, valve open 02 H,5 W (02 PID SVELVAL CHY 22.1 0.0 0 0.12 982 01 21.2 02 21.8 0 0.0000.02 248 22.2 03 21.2 0 0.00 0.18 21.9 108 06 215 22.2 0.00 0.04 216 0 22.1 0.0 0.04 195 07 20.8 0 0.00 22,1 0.06 08 21.6 112 0 0.00 0,10 250 09 20.9 22.1 In -Oot -610 0.20 0.0 21.7 6.10 382 21.9 0.00 Vol % inluk % LEL Vol % ppm ppm Sample "Hore 14M Influent" PLD 610 ppm 2x tellar bays at 14:05 14:15 leaves site 15:10 drop off samples w/ Christm Walter d to Imaging: 7/3/2024 7:42:25 AM

Harz 14M Hilcorp 9-1-23 of 166 ZM, truck earle, PID, HVAS, 4 go party dady 85 -truck u/ George plats anote u/ trailer + sway exaposat 12:35 Zm onsk JSA sped System runns, all valves open 2,382.7 how Vce 36in WC DIRPROS 2.9 INC at 12:40 Flow 44 schin no fluids in Kotanh - Vac relief value study open 002 SVE VI CHILL DXY H25 CO 3 22.2 0.0 0 0.14 792 10,02 94.8 22.5 0.0 0 02 0.12/64.4 03 0 12500 0.08183.2 06 07 22.50,0 0 0.22 442 0 22.20.0 22.6000 0.02 75.9 0 08 0.0242. 22.6 0.0 09 0.22 438 22.4000 0.14 308 22.5 0.0 OUT Vol % ppm 101% ppm % LEL Surveying For CO2 pype live 1325 ZM leaving side

Released to Imaging: 7/3/2024 7:42:25 AM

Rete in the Rain

| Rec | wed by OCD: 10/13/2 | Hare | 14M | | | 9/8/23 |
|------|------------------------|-----------------|---------|--------|-----------|------------|
| 1 | 10 | | | Site | for OGA | 1 |
| - | | | | | | rells open |
| ~ | V | ac: 36 | IWC | Flow | 48 SCF | M |
| - | | | | | 2549,2 | |
| - | | | | · | | |
| - | SVE | CHy | 02 | CO | 002 | Hys PID |
| | 01 | 3 | 72,0 | 0 | 0.14 | 0.0 763 |
| - | 07 | 6 | 22.2 | 0 | 0.02 | 0.0 89.6 |
| - | 03 | 0 | 22.3 | 0 | 0-11 | 0,0 65.2 |
| - | 08 | O | 223 | 0 | 0.06 | 0.0 177.9 |
| - | 09 | 6 | 72.3 | 0 | 0.04 | 0.0 43.9 |
| - | 08 | 6 | 22.4 | 0 | 0.02 | 0.0 75.7 |
| (| Inflient 09 | 0 | 22,4 | 0 | | 0 6 41.0 |
| 1 | Expansi | 7 | 22.2 | 0 | | 0.0 444 |
| 1 | Exh | | 22-3 | 0 | 0.12 | 0.0 412 |
| | lr. | | | | | |
| l | H | ISE 14. | M influ | ent" C | alle Cted | @ 11:20 |
| | | | | | | |
| 1 | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |
| | | | | | | |
| Rele | ased to Imaging: 7/3/. | 2024 7:42:25 AM | | | | |

Page 35 of 166 Hare 14M Zm, truck, PID. Eagle ALVAS, 4 ger party ledy 84 13:05 Zim onsite for SVE OHM HASP reviewed, JSA signed, System runn, all valves open Vac 37 in WC 2695.8 hours Different 2.9 in WC at 13:10 How 45 schm no flord in KO tanh - Vac relationlye stock your SVE Vac CHy 62 H25 CO PID CO2 01 21.0 3 21.1 0.0 0 0.12 308 02 22.1 1 21.4 0.0 0 0.04 90.6 032110 21.4 0.0 6 0.10 32.9 06 21.5 0 21.4 0.0 0 0.04 69.5 21.1 0.0 07 20,5 0.16 263.9 0 08 219 0 21.7 0.0 6 0.04 43.4 09 20.5 0 21.7 0.0 0.64 53.7 6 IN-0.16 292 21.2 0.0 0 0.08 219 21.4 0.0 OUT 0 inc 8LEL Vol % pm Vol% mm pm leaving ste 14:15 2M Rete in ere Rusa. Released to Imaging: 7/3/2024 7:42:25 AM

Date 4. 21.23 Received by OCD: 10/13/2023 9:27:16 AM Location Have 14M Project / Client Hacorp 1255 onsite for Oth and Samply -system runny upon arrival all value open

SA syred Vac relief value stuck open

Vac 36 in WC 2863.7 hours Del Pres 3.0 mm (at 1300. Flow 46 schon no fluide in Ko tank Oxy H,5/10 PID (O) SVE Vac CH4 435 0.08 0.010 21.4 2 01 20.7 135 0.04 0.0/0 0 21.7 02 21,1 64 0.02 00/0 21.4 0 03 19.5 180 0.00 0.0/0 21.7 06 21.7 \bigcirc 0.12 335 21.2 0.010 07 21.5 91 0.04 0.0/0 21.7 O8 20,1 0 62 0.04 21.7 0.010 09 19.2 0 0,14 0.0/0 398 21.2 IN -295 0.06 090 21.4 OUT -% LEL Voi % pm Vol % ppm 2x Tedlar Bay go surple taken "Hare 14m Influent" at 1335 PID:398 Released to Imaging: 7/3/2024 7:42:25 AM



APPENDIX B

Project Photographs

PROJECT PHOTOGRAPHS

Hare #14M San Juan County, New Mexico Hilcorp Energy Company

Photograph 1

Runtime meter taken on June 6, 2023 at 11:59 AM Hours = 291.6



Photograph 2

Runtime meter taken on September 29, 2023 at 12:28 PM Hours = 3,055.5





APPENDIX C

Laboratory Analytical Reports



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

June 23, 2023

Stuart Hyde Hilcorp Energy PO Box 61529

Houston, TX 77208-1529 TEL: (337) 276-7676

FAX:

RE: Hare 14M OrderNo.: 2306414

Dear Stuart Hyde:

Hall Environmental Analysis Laboratory received 2 sample(s) on 6/8/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 6/23/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Hilcorp Energy

Project: Hare 14M

Collection Date: 6/6/2023 12:20:00 PM

Lab ID: 2306414-001

Matrix: AIR

Received Date: 6/8/2023 6:25:00 AM

| Analyses | Result | RL | Qual Units | DF Date Analyzed | Batch |
|----------------------------------|--------|--------|------------|-----------------------|--------------------|
| EPA METHOD 8015D: GASOLINE RANGE | | | | Ar | nalyst: JJP |
| Gasoline Range Organics (GRO) | 31000 | 500 | μg/L | 100 6/13/2023 1:37:48 | BPM GA97399 |
| Surr: BFB | 154 | 15-412 | %Rec | 100 6/13/2023 1:37:48 | 3 PM GA97399 |
| EPA METHOD 8260B: VOLATILES | | | | Ar | nalyst: RAA |
| Benzene | 84 | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| Toluene | 480 | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| Ethylbenzene | 25 | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| Methyl tert-butyl ether (MTBE) | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| 1,2,4-Trimethylbenzene | 7.3 | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| 1,3,5-Trimethylbenzene | 8.4 | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| 1,2-Dichloroethane (EDC) | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| Naphthalene | ND | 10 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| 1-Methylnaphthalene | ND | 20 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| 2-Methylnaphthalene | ND | 20 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| Acetone | ND | 50 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| Bromobenzene | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| Bromodichloromethane | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| Bromoform | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| Bromomethane | ND | 10 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| 2-Butanone | ND | 50 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| Carbon disulfide | ND | 50 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| Carbon tetrachloride | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| Chlorobenzene | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| Chloroethane | ND | 10 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| Chloroform | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| Chloromethane | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| 2-Chlorotoluene | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| 4-Chlorotoluene | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| cis-1,2-DCE | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| cis-1,3-Dichloropropene | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| 1,2-Dibromo-3-chloropropane | ND | 10 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| Dibromochloromethane | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| Dibromomethane | ND | 10 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| 1,2-Dichlorobenzene | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | |
| 1,3-Dichlorobenzene | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| 1,4-Dichlorobenzene | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| Dichlorodifluoromethane | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| 1,1-Dichloroethane | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |
| 1,1-Dichloroethene | ND | 5.0 | μg/L | 50 6/14/2023 1:09:39 | PM R97458 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

Date Reported: 6/23/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Hilcorp Energy

Client Sample ID: Influent All Wells

Project: Hare 14M

Collection Date: 6/6/2023 12:20:00 PM

Lab ID: 2306414-001 **Matrix:** AIR **Received Date:** 6/8/2023 6:25:00 AM

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|-----------------------------|--------|--------|------------|----|----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | Analys | t: RAA |
| 1,2-Dichloropropane | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| 1,3-Dichloropropane | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| 2,2-Dichloropropane | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| 1,1-Dichloropropene | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| Hexachlorobutadiene | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| 2-Hexanone | ND | 50 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| Isopropylbenzene | ND | 5.0 | | 50 | 6/14/2023 1:09:39 PM | R97458 |
| 4-Isopropyltoluene | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| 4-Methyl-2-pentanone | ND | 50 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| Methylene chloride | ND | 15 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| n-Butylbenzene | ND | 15 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| n-Propylbenzene | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| sec-Butylbenzene | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| Styrene | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| tert-Butylbenzene | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| Tetrachloroethene (PCE) | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| trans-1,2-DCE | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| trans-1,3-Dichloropropene | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| 1,2,4-Trichlorobenzene | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| 1,1,1-Trichloroethane | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| 1,1,2-Trichloroethane | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| Trichloroethene (TCE) | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| Trichlorofluoromethane | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| 1,2,3-Trichloropropane | ND | 10 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| Vinyl chloride | ND | 5.0 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| Xylenes, Total | 270 | 7.5 | μg/L | 50 | 6/14/2023 1:09:39 PM | R97458 |
| Surr: Dibromofluoromethane | 71.6 | 70-130 | %Rec | 50 | 6/14/2023 1:09:39 PM | R97458 |
| Surr: 1,2-Dichloroethane-d4 | 74.4 | 70-130 | %Rec | 50 | 6/14/2023 1:09:39 PM | R97458 |
| Surr: Toluene-d8 | 105 | 70-130 | %Rec | 50 | 6/14/2023 1:09:39 PM | R97458 |
| Surr: 4-Bromofluorobenzene | 96.0 | 70-130 | %Rec | 50 | 6/14/2023 1:09:39 PM | R97458 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 7

Date Reported: 6/23/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Hilcorp Energy

Project: Hare 14M

Collection Date: 6/7/2023 3:40:00 PM

Lab ID: 2306414-002

Matrix: AIR

Received Date: 6/8/2023 6:25:00 AM

| Analyses | Result | RL | Qual Units | DF Date Analyzed | Batch |
|------------------------------------|--------|--------|------------|--------------------------|---------|
| EPA METHOD 8015D: GASOLINE RANGE | | | | Analys | t: JJP |
| Gasoline Range Organics (GRO) | 14000 | 500 | μg/L | 100 6/13/2023 1:14:09 PM | GA97399 |
| Surr: BFB | 131 | 15-412 | %Rec | 100 6/13/2023 1:14:09 PM | GA97399 |
| EPA METHOD 8260B: VOLATILES | | | | Analys | t: RAA |
| Benzene | 43 | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| Toluene | 280 | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| Ethylbenzene | 17 | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| Methyl tert-butyl ether (MTBE) | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| 1,2,4-Trimethylbenzene | 7.2 | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| 1,3,5-Trimethylbenzene | 7.8 | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| 1,2-Dichloroethane (EDC) | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| Naphthalene | ND | 10 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| 1-Methylnaphthalene | ND | 20 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| 2-Methylnaphthalene | ND | 20 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| Acetone | ND | 50 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| Bromobenzene | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| Bromodichloromethane | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| Bromoform | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| Bromomethane | ND | 10 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| 2-Butanone | ND | 50 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| Carbon disulfide | ND | 50 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| Carbon tetrachloride | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| Chlorobenzene | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| Chloroethane | ND | 10 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| Chloroform | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| Chloromethane | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| 2-Chlorotoluene | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| 4-Chlorotoluene | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| cis-1,2-DCE | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| cis-1,3-Dichloropropene | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| 1,2-Dibromo-3-chloropropane | ND | 10 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| Dibromochloromethane | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| Dibromomethane | ND | 10 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| 1,2-Dichlorobenzene | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| 1,3-Dichlorobenzene | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| 1,4-Dichlorobenzene | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| Dichlorodifluoromethane | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| 1,1-Dichloroethane | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |
| 1,1-Dichloroethene | ND | 5.0 | μg/L | 50 6/14/2023 2:04:47 PM | R97458 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 7

Date Reported: 6/23/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Hilcorp Energy

Project: Hare 14M

Collection Date: 6/7/2023 3:40:00 PM

Lab ID: 2306414-002

Matrix: AIR

Received Date: 6/8/2023 6:25:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|-----------------------------|--------|--------|------|-------|----|----------------------|---------------|
| EPA METHOD 8260B: VOLATILES | | | | | | Analys | t: RAA |
| 1,2-Dichloropropane | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| 1,3-Dichloropropane | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| 2,2-Dichloropropane | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| 1,1-Dichloropropene | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| Hexachlorobutadiene | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| 2-Hexanone | ND | 50 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| Isopropylbenzene | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| 4-Isopropyltoluene | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| 4-Methyl-2-pentanone | ND | 50 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| Methylene chloride | ND | 15 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| n-Butylbenzene | ND | 15 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| n-Propylbenzene | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| sec-Butylbenzene | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| Styrene | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| tert-Butylbenzene | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| Tetrachloroethene (PCE) | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| trans-1,2-DCE | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| trans-1,3-Dichloropropene | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| 1,2,4-Trichlorobenzene | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| 1,1,1-Trichloroethane | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| 1,1,2-Trichloroethane | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| Trichloroethene (TCE) | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| Trichlorofluoromethane | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| 1,2,3-Trichloropropane | ND | 10 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| Vinyl chloride | ND | 5.0 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| Xylenes, Total | 200 | 7.5 | | μg/L | 50 | 6/14/2023 2:04:47 PM | R97458 |
| Surr: Dibromofluoromethane | 84.0 | 70-130 | | %Rec | 50 | 6/14/2023 2:04:47 PM | R97458 |
| Surr: 1,2-Dichloroethane-d4 | 85.3 | 70-130 | | %Rec | 50 | 6/14/2023 2:04:47 PM | R97458 |
| Surr: Toluene-d8 | 100 | 70-130 | | %Rec | 50 | 6/14/2023 2:04:47 PM | R97458 |
| Surr: 4-Bromofluorobenzene | 96.6 | 70-130 | | %Rec | 50 | 6/14/2023 2:04:47 PM | R97458 |
| | | | | | | | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 7

ANALYTICAL SUMMARY REPORT

June 22, 2023

Hall Environmental 4901 Hawkins St NE Ste D Albuquerque, NM 87109-4372

Work Order: G23060202
Project Name: 2306414

Energy Laboratories Inc. Gillette WY received the following 2 samples for Hall Environmental on 6/9/2023 for analysis.

| 0, | | · · | • | | · |
|---------------|-------------------------------------|----------------|--------------|--------|--|
| Lab ID | Client Sample ID | Collect Date R | Receive Date | Matrix | Test |
| G23060202-001 | 2306414-001B; Influent All Wells | 06/06/23 12:20 | 06/09/23 | Gas | Natural Gas Analysis - BTU Natural Gas Analysis - Compressibility Factor Natural Gas Analysis - GPM Natural Gas Analysis - Molecular Weight Natural Gas Analysis - Routine Natural Gas Analysis - Pressure Base Natural Gas Analysis - Psuedo- Critical Pressure Natural Gas Analysis - Psuedo- Critical Temperature Natural Gas Analysis - Specific Gravity Natural Gas Analysis - Temperature Base |
| G23060202-002 | 2306414-002B; Influent All Wells | 06/07/23 15:40 | 06/09/23 | Gas | Same As Above |

The analyses presented in this report were performed by Energy Laboratories, Inc., 400 W. Boxelder Rd., Gillette, WY 82718, 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 tests results, please contact your Project Manager.

Report Approved By:

Date Received: 06/09/23



LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental

Project: 2306414 **Report Date:** 06/22/23 **Client Sample ID:** 2306414-001B; Influent All Wells Collection Date: 06/06/23 12:20

Location:

Lab ID: G23060202-001 Sampled By: Not Provided

| Analyses | Result Units | Qualifier Method | Analysis Date / By |
|---|------------------|------------------|----------------------|
| NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT | | | |
| Oxygen | 15.335 Mol % | GPA 2261 | 06/21/23 10:29 / blb |
| Nitrogen | 80.864 Mol % | GPA 2261 | 06/21/23 10:29 / blb |
| Carbon Dioxide | 3.526 Mol % | GPA 2261 | 06/21/23 10:29 / blb |
| Hydrogen Sulfide | < 0.001 Mol % | GPA 2261 | 06/21/23 10:29 / blb |
| Methane | < 0.001 Mol % | GPA 2261 | 06/21/23 10:29 / blb |
| Ethane | < 0.001 Mol % | GPA 2261 | 06/21/23 10:29 / blb |
| Propane | < 0.001 Mol % | GPA 2261 | 06/21/23 10:29 / blb |
| Isobutane | < 0.001 Mol % | GPA 2261 | 06/21/23 10:29 / blb |
| n-Butane | < 0.001 Mol % | GPA 2261 | 06/21/23 10:29 / blb |
| Isopentane | 0.002 Mol % | GPA 2261 | 06/21/23 10:29 / blb |
| n-Pentane | 0.003 Mol % | GPA 2261 | 06/21/23 10:29 / blb |
| Hexanes plus | 0.270 Mol % | GPA 2261 | 06/21/23 10:29 / blb |
| GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS | | | |
| GPM Ethane | < 0.0003 gal/MCF | GPA 2261 | 06/21/23 10:29 / blb |
| GPM Propane | < 0.0003 gal/MCF | GPA 2261 | 06/21/23 10:29 / blb |
| GPM Isobutane | < 0.0003 gal/MCF | GPA 2261 | 06/21/23 10:29 / blb |
| GPM n-Butane | < 0.0003 gal/MCF | GPA 2261 | 06/21/23 10:29 / blb |
| GPM Isopentane | 0.0010 gal/MCF | GPA 2261 | 06/21/23 10:29 / blb |
| GPM n-Pentane | 0.0010 gal/MCF | GPA 2261 | 06/21/23 10:29 / blb |
| GPM Hexanes plus | 0.1180 gal/MCF | GPA 2261 | 06/21/23 10:29 / blb |
| GPM Pentanes plus | 0.1190 gal/MCF | GPA 2261 | 06/21/23 10:29 / blb |
| GPM Total | 0.1190 gal/MCF | GPA 2261 | 06/21/23 10:29 / blb |
| CALCULATED PROPERTIES | | | |
| Calculation Pressure Base | 14.730 psia | GPA 2261 | 06/21/23 10:29 / blb |
| Calculation Temperature Base | 60 °F | GPA 2261 | 06/21/23 10:29 / blb |
| Compressibility Factor, Z | 1.0000 unitless | GPA 2261 | 06/21/23 10:29 / blb |
| Molecular Weight | 29.36 unitless | GPA 2261 | 06/21/23 10:29 / blb |
| Pseudo-critical Pressure, psia | 551 psia | GPA 2261 | 06/21/23 10:29 / blb |
| Pseudo-critical Temperature, deg R | 249 deg R | GPA 2261 | 06/21/23 10:29 / blb |
| Specific Gravity (air=1.000) | 1.017 unitless | GPA 2261 | 06/21/23 10:29 / blb |
| Gross BTU per cu ft @ std cond, dry | 14.08 BTU/cu ft | GPA 2261 | 06/21/23 10:29 / blb |
| Gross BTU per cu ft @ std cond, wet | 13.84 BTU/cu ft | GPA 2261 | 06/21/23 10:29 / blb |

RL - Analyte Reporting Limit Report MCL - Maximum Contaminant Level

Definitions: QCL - Quality Control Limit ND - Not detected at the Reporting Limit (RL)

Date Received: 06/09/23



LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental

Project: 2306414 **Report Date:** 06/22/23 **Client Sample ID:** 2306414-002B; Influent All Wells Collection Date: 06/07/23 15:40

Location:

Lab ID: G23060202-002 Sampled By: Not Provided

| Analyses | Result Units | Qualifier Method | Analysis Date / By |
|---|------------------|------------------|----------------------|
| NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT | | | |
| Oxygen | 21.262 Mol % | GPA 2261 | 06/21/23 10:40 / blb |
| Nitrogen | 77.481 Mol % | GPA 2261 | 06/21/23 10:40 / blb |
| Carbon Dioxide | 1.137 Mol % | GPA 2261 | 06/21/23 10:40 / blb |
| Hydrogen Sulfide | < 0.001 Mol % | GPA 2261 | 06/21/23 10:40 / blb |
| Methane | < 0.001 Mol % | GPA 2261 | 06/21/23 10:40 / blb |
| Ethane | < 0.001 Mol % | GPA 2261 | 06/21/23 10:40 / blb |
| Propane | < 0.001 Mol % | GPA 2261 | 06/21/23 10:40 / blb |
| Isobutane | < 0.001 Mol % | GPA 2261 | 06/21/23 10:40 / blb |
| n-Butane | < 0.001 Mol % | GPA 2261 | 06/21/23 10:40 / blb |
| Isopentane | < 0.001 Mol % | GPA 2261 | 06/21/23 10:40 / blb |
| n-Pentane | < 0.001 Mol % | GPA 2261 | 06/21/23 10:40 / blb |
| Hexanes plus | 0.120 Mol % | GPA 2261 | 06/21/23 10:40 / blb |
| GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS | | | |
| GPM Ethane | < 0.0003 gal/MCF | GPA 2261 | 06/21/23 10:40 / blb |
| GPM Propane | < 0.0003 gal/MCF | GPA 2261 | 06/21/23 10:40 / blb |
| GPM Isobutane | < 0.0003 gal/MCF | GPA 2261 | 06/21/23 10:40 / blb |
| GPM n-Butane | < 0.0003 gal/MCF | GPA 2261 | 06/21/23 10:40 / blb |
| GPM Isopentane | < 0.0004 gal/MCF | GPA 2261 | 06/21/23 10:40 / blb |
| GPM n-Pentane | < 0.0004 gal/MCF | GPA 2261 | 06/21/23 10:40 / blb |
| GPM Hexanes plus | 0.0520 gal/MCF | GPA 2261 | 06/21/23 10:40 / blb |
| GPM Pentanes plus | 0.0520 gal/MCF | GPA 2261 | 06/21/23 10:40 / blb |
| GPM Total | 0.0520 gal/MCF | GPA 2261 | 06/21/23 10:40 / blb |
| CALCULATED PROPERTIES | | | |
| Calculation Pressure Base | 14.730 psia | GPA 2261 | 06/21/23 10:40 / blb |
| Calculation Temperature Base | 60 °F | GPA 2261 | 06/21/23 10:40 / blb |
| Compressibility Factor, Z | 1.0000 unitless | GPA 2261 | 06/21/23 10:40 / blb |
| Molecular Weight | 29.12 unitless | GPA 2261 | 06/21/23 10:40 / blb |
| Pseudo-critical Pressure, psia | 551 psia | GPA 2261 | 06/21/23 10:40 / blb |
| Pseudo-critical Temperature, deg R | 243 deg R | GPA 2261 | 06/21/23 10:40 / blb |
| Specific Gravity (air=1.000) | 1.008 unitless | GPA 2261 | 06/21/23 10:40 / blb |
| Gross BTU per cu ft @ std cond, dry | 6.18 BTU/cu ft | GPA 2261 | 06/21/23 10:40 / blb |
| Gross BTU per cu ft @ std cond, wet | 6.07 BTU/cu ft | GPA 2261 | 06/21/23 10:40 / blb |

RL - Analyte Reporting Limit Report MCL - Maximum Contaminant Level

Definitions: QCL - Quality Control Limit ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Gillette, WY Branch

Client: Hall Environmental Work Order: G23060202 Report Date: 06/22/23

| Analyte | | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-----------|-------------------|----------|----------------|--------------|--------------------|------|-------------|------------|-----|----------------|-----------|
| Method: | GPA 2261 | | | | | | | | Ar | nalytical Run: | : R277757 |
| Lab ID: | ICV-2306210937 | 12 Initi | al Calibration | on Verificat | tion Standard | | | | | 06/21 | /23 09:37 |
| Oxygen | | | 0.381 | Mol % | 0.001 | 95 | 75 | 110 | | | |
| Nitrogen | | | 5.051 | Mol % | 0.001 | 101 | 90 | 110 | | | |
| Carbon Di | ioxide | | 4.887 | Mol % | 0.001 | 98 | 90 | 110 | | | |
| Hydrogen | Sulfide | | 0.132 | Mol % | 0.001 | 133 | 100 | 136 | | | |
| Methane | | | 73.295 | Mol % | 0.001 | 100 | 90 | 110 | | | |
| Ethane | | | 5.005 | Mol % | 0.001 | 101 | 90 | 110 | | | |
| Propane | | | 5.011 | Mol % | 0.001 | 100 | 90 | 110 | | | |
| Isobutane | | | 1.984 | Mol % | 0.001 | 99 | 90 | 110 | | | |
| n-Butane | | | 1.966 | Mol % | 0.001 | 98 | 90 | 110 | | | |
| Isopentan | е | | 0.985 | Mol % | 0.001 | 98 | 90 | 110 | | | |
| n-Pentane | e | | 0.996 | Mol % | 0.001 | 100 | 90 | 110 | | | |
| Hexanes | plus | | 0.307 | Mol % | 0.001 | 102 | 90 | 110 | | | |
| Lab ID: | CCV-2306210945 | 12 Cor | ntinuing Cal | libration Ve | erification Standa | rd | | | | 06/21 | /23 09:45 |
| Oxygen | | | 0.594 | Mol % | 0.001 | 99 | 90 | 110 | | | |
| Nitrogen | | | 1.296 | Mol % | 0.001 | 93 | 85 | 110 | | | |
| Carbon Di | ioxide | | 0.945 | Mol % | 0.001 | 95 | 90 | 110 | | | |
| Hydrogen | Sulfide | | 0.026 | Mol % | 0.001 | 104 | 70 | 130 | | | |
| Methane | | | 93.588 | Mol % | 0.001 | 100 | 90 | 110 | | | |
| Ethane | | | 1.011 | Mol % | 0.001 | 101 | 90 | 110 | | | |
| Propane | | | 1.008 | Mol % | 0.001 | 101 | 90 | 110 | | | |
| Isobutane | | | 0.491 | Mol % | 0.001 | 98 | 90 | 110 | | | |
| n-Butane | | | 0.490 | Mol % | 0.001 | 98 | 90 | 110 | | | |
| Isopentan | е | | 0.198 | Mol % | 0.001 | 99 | 90 | 110 | | | |
| n-Pentane | e | | 0.199 | Mol % | 0.001 | 99 | 90 | 110 | | | |
| Hexanes | plus | | 0.154 | Mol % | 0.001 | 103 | 90 | 110 | | | |
| Method: | GPA 2261 | | | | | | | | | Batch: | R277757 |
| Lab ID: | G23060202-001ADUP | 12 Sar | mple Duplic | ate | | | Run: Variar | GC_230621A | | 06/21 | /23 10:33 |
| Oxygen | | | 15.344 | Mol % | 0.001 | | | | 0.1 | 10 | |
| Nitrogen | | | 80.878 | Mol % | 0.001 | | | | 0 | 10 | |
| Carbon Di | ioxide | | 3.520 | Mol % | 0.001 | | | | 0.2 | 10 | |
| Hydrogen | Sulfide | | < 0.001 | Mol % | 0.001 | | | | | 10 | |
| Methane | | | < 0.001 | Mol % | 0.001 | | | | | 10 | |
| Ethane | | | < 0.001 | Mol % | 0.001 | | | | | 10 | |
| Propane | | | < 0.001 | Mol % | 0.001 | | | | | 10 | |
| Isobutane | | | < 0.001 | Mol % | 0.001 | | | | | 10 | |
| n-Butane | | | < 0.001 | Mol % | 0.001 | | | | | 10 | |
| Isopentan | е | | 0.002 | Mol % | 0.001 | | | | 0.0 | 10 | |
| n-Pentane | | | 0.003 | Mol % | 0.001 | | | | 0.0 | 10 | |
| Hexanes p | plus | | 0.253 | Mol % | 0.001 | | | | 6.5 | 10 | |
| Lab ID: | G23060202-002ADUP | 12 Sar | mple Duplic | ate | | | Run: Variar | GC_230621A | | 06/21 | /23 10:44 |
| Oxygen | | | 21.281 | Mol % | 0.001 | | | | 0.1 | 10 | |
| Nitrogen | | | 77.470 | Mol % | 0.001 | | | | 0 | 10 | |
| Carbon Di | iovido | | 1.128 | Mol % | 0.001 | | | | 0.8 | 10 | |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Gillette, WY Branch

Client: Hall Environmental Work Order: G23060202 Report Date: 06/22/23

| Analyte | | Count | Result | Units | RL | %REC Low Limit | High Limit | RPD | RPDLimit | Qual |
|-----------------|-----------------|--------|-------------|-------|-------|----------------|------------|-----|----------|----------|
| Method: GF | PA 2261 | | | | | | | | Batch: | R277757 |
| Lab ID: G23 | 3060202-002ADUP | 12 Sar | mple Duplic | ate | | Run: Varian | GC_230621A | | 06/21/ | 23 10:44 |
| Hydrogen Sulfic | de | | < 0.001 | Mol % | 0.001 | | | | 10 | |
| Methane | | | < 0.001 | Mol % | 0.001 | | | | 10 | |
| Ethane | | | < 0.001 | Mol % | 0.001 | | | | 10 | |
| Propane | | | < 0.001 | Mol % | 0.001 | | | | 10 | |
| Isobutane | | | < 0.001 | Mol % | 0.001 | | | | 10 | |
| n-Butane | | | < 0.001 | Mol % | 0.001 | | | | 10 | |
| Isopentane | | | < 0.001 | Mol % | 0.001 | | | | 10 | |
| n-Pentane | | | < 0.001 | Mol % | 0.001 | | | | 10 | |
| Hexanes plus | | | 0.121 | Mol % | 0.001 | | | 0.8 | 10 | |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Trust our People. Trust our Data. www.energylab.com Billings, MT **406.252.6325** • Casper, WY **307.235.0515** Gillette, WY **307.686.7175** • Helena, MT **406.442.0711**

Work Order Receipt Checklist

Hall Environmental

G23060202

| Login completed by: | Casey A. Mondle | | Date | Received: 6/9/2023 | |
|---|---------------------------------|--------------|------|------------------------|-------------------------|
| Reviewed by: | cjohnson | | Re | ceived by: cam | |
| Reviewed Date: | 6/12/2023 | | Car | rier name: FedEx | |
| Shipping container/cooler in | good condition? | Yes ✓ | No 🗌 | Not Present | |
| Custody seals intact on all sl | hipping container(s)/cooler(s)? | Yes | No 🗌 | Not Present ✓ | |
| Custody seals intact on all sa | ample bottles? | Yes | No 🗌 | Not Present ✓ | |
| Chain of custody present? | | Yes ✓ | No 🗌 | | |
| Chain of custody signed whe | en relinquished and received? | Yes ✓ | No 🗌 | | |
| Chain of custody agrees with | n sample labels? | Yes ✓ | No 🗌 | | |
| Samples in proper container | /bottle? | Yes ✓ | No 🗌 | | |
| Sample containers intact? | | Yes ✓ | No 🗌 | | |
| Sufficient sample volume for | r indicated test? | Yes ✓ | No 🗌 | | |
| All samples received within h (Exclude analyses that are c such as pH, DO, Res CI, Su | onsidered field parameters | Yes 🗹 | No 🗌 | | |
| Temp Blank received in all s | hipping container(s)/cooler(s)? | Yes | No 🗌 | Not Applicable 🗸 | |
| Container/Temp Blank tempo | erature: | N/A°C No Ice | | | |
| Containers requiring zero he bubble that is <6mm (1/4"). | adspace have no headspace or | Yes | No 🗌 | No VOA vials submitted | $\overline{\checkmark}$ |
| Water - pH acceptable upon | receipt? | Yes | No 🗌 | Not Applicable 🗹 | |

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.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None

| | 7 | Ļ |
|------------|----------|---------------|
| LABORATORY | ANALYSIS | ENVIRONMENTAL |

| Website www.hallenviron | | | | |
|-----------------------------|---------------|--------|---------------------------|------------|
| FAX 50 | | | | 1 |
| TEL 50 | | | | LABORATORY |
| Albuquerque | | | | ANALYSIS |
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| riali Environmeniai Analysi | 5 | n ee | CHAIN OF COSTOD I VICTORD | |

| ENVIRONMENTAL ANALYSIS LABORATORY | CHAIN OF CUSTODY RECORD | ТОДҮ І | ÆCORD | ; | Hall Environmental Analysts Laboratory 4901 Hawkins NE Albuquerque NM 87109 TEL 505.345.3075 |
|---|-------------------------|--------|------------------------------------|------------------|--|
| LABORATORY | | | | | TEL 505-345-3975 FAX 505-345-4107 |
| | | | | | Website www.hallenvironmental.com |
| ADDRESS 400 W Boxelder Rd COMPANY | Energy Laboratories | is | ACCOUNT # | (866) 686-7175 | FAX |
| CITY, STATE, ZIP Gillette, WY 82718 | | 5.0 7 | | | |
| | | | | , do⊃́# | |
| ITEM SAMPLE CLIENT SAMPLE ID | BOTTLE . | MATRIX | COLLECTION DATE | <u>z</u> ¥aγι∨τι | ANALYTICAL COMMENTS |
| 1 2306414-001B Influent All Wells | TEDLAR | All (| 6/6/2023 12:20:00 PM 1 Fixed Gases | 1 Fixed Gases | |
| 2 2306414-002B Influent All Wells | TEDLAR | Air | 6/7/2023 3:40:00 PM | 1 Fixed Gases | |

| KUSH Next BU 26d BU 3rd BD | | Refunquished By Date Time Received By Date Time | Relinquished By Date Time Received By V and Date Time Date Time | lude the LAB ID and the CLIENT SAMPLE ID o |
|----------------------------|-------------------------------------|---|---|--|
| Comments. | Temp of samples C Attempt to Cool ? | FOR LAB USE ONLY | REPORT TRANSMITTAL DESIRED _] HARDCOPY (extra cost) | al.com. Please return all coolers and blue icc. Thank you. |

Hall Environmental Analysis Laboratory, Inc.

WO#: 2306414 23-Jun-23

Client: Hilcorp Energy **Project:** Hare 14M

Sample ID: 2306414-001ADUP SampType: **DUP** TestCode: EPA Method 8015D: Gasoline Range

Client ID: Influent All Wells Batch ID: GA97399 RunNo: 97399

Prep Date: Analysis Date: 6/13/2023 SeqNo: 3538700 Units: µg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 31000 500 1.33 20 Surr: BFB 310000 200000 154 15 412 0 0

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Page 5 of 7

Hall Environmental Analysis Laboratory, Inc.

2306414 23-Jun-23

WO#:

Client: Hilcorp Energy **Project:** Hare 14M

Sample ID: 2306414-001a dup SampType: DUP TestCode: EPA Method 8260B: Volatiles

Client ID: Influent All Wells Batch ID: R97458 RunNo: 97458

| Prep Date: | Analysis D |)ate: 6/ 1 | 14/2023 | ٤ | SeqNo: 35 | 541058 | Units: µg/L | | | |
|--------------------------------|------------|-------------------|-----------|-------------|-----------|----------|-------------|-------|----------|------|
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 85 | 5.0 | | | | | | 0.988 | 20 | |
| Toluene | 500 | 5.0 | | | | | | 3.92 | 20 | |
| Ethylbenzene | 23 | 5.0 | | | | | | 6.89 | 20 | |
| Methyl tert-butyl ether (MTBE) | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2,4-Trimethylbenzene | 7.4 | 5.0 | | | | | | 0.353 | 20 | |
| 1,3,5-Trimethylbenzene | 8.3 | 5.0 | | | | | | 1.52 | 20 | |
| 1,2-Dichloroethane (EDC) | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | | | | | | 0 | 20 | |
| Naphthalene | ND | 10 | | | | | | 0 | 20 | |
| 1-Methylnaphthalene | ND | 20 | | | | | | 0 | 20 | |
| 2-Methylnaphthalene | ND | 20 | | | | | | 0 | 20 | |
| Acetone | ND | 50 | | | | | | 0 | 20 | |
| Bromobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| Bromodichloromethane | ND | 5.0 | | | | | | 0 | 20 | |
| Bromoform | ND | 5.0 | | | | | | 0 | 20 | |
| Bromomethane | ND | 10 | | | | | | 0 | 20 | |
| 2-Butanone | ND | 50 | | | | | | 0 | 20 | |
| Carbon disulfide | ND | 50 | | | | | | 0 | 20 | |
| Carbon tetrachloride | ND | 5.0 | | | | | | 0 | 20 | |
| Chlorobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| Chloroethane | ND | 10 | | | | | | 0 | 20 | |
| Chloroform | ND | 5.0 | | | | | | 0 | 20 | |
| Chloromethane | ND | 5.0 | | | | | | 0 | 20 | |
| 2-Chlorotoluene | ND | 5.0 | | | | | | 0 | 20 | |
| 4-Chlorotoluene | ND | 5.0 | | | | | | 0 | 20 | |
| cis-1,2-DCE | ND | 5.0 | | | | | | 0 | 20 | |
| cis-1,3-Dichloropropene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | | | | | | 0 | 20 | |
| Dibromochloromethane | ND | 5.0 | | | | | | 0 | 20 | |
| Dibromomethane | ND | 10 | | | | | | 0 | 20 | |
| 1,2-Dichlorobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,3-Dichlorobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,4-Dichlorobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| Dichlorodifluoromethane | ND | 5.0 | | | | | | 0 | 20 | |
| 1,1-Dichloroethane | ND | 5.0 | | | | | | 0 | 20 | |
| 1,1-Dichloroethene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2-Dichloropropane | ND | 5.0 | | | | | | 0 | 20 | |
| 1,3-Dichloropropane | ND | 5.0 | | | | | | 0 | 20 | |
| 2,2-Dichloropropane | ND | 5.0 | | | | | | 0 | 20 | |

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Page 6 of 7

Hall Environmental Analysis Laboratory, Inc.

2306414 23-Jun-23

WO#:

Client: Hilcorp Energy
Project: Hare 14M

Sample ID: 2306414-001a dup SampType: DUP TestCode: EPA Method 8260B: Volatiles

Client ID: Influent All Wells Batch ID: R97458 RunNo: 97458

| Client ID: Influent All Wells | Batcr | 1 ID: R9 | /458 | 1 | Kunino: 97 | 1458 | | | | |
|-------------------------------|------------|-------------------|-----------|-------------|------------|----------|-------------|------|----------|------|
| Prep Date: | Analysis D |)ate: 6/ 1 | 14/2023 | ٤ | SeqNo: 35 | 541058 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| 1,1-Dichloropropene | ND | 5.0 | | | | | | 0 | 20 | |
| Hexachlorobutadiene | ND | 5.0 | | | | | | 0 | 20 | |
| 2-Hexanone | ND | 50 | | | | | | 0 | 20 | |
| Isopropylbenzene | ND | 5.0 | | | | | | 0 | 20 | |
| 4-Isopropyltoluene | ND | 5.0 | | | | | | 0 | 20 | |
| 4-Methyl-2-pentanone | ND | 50 | | | | | | 0 | 20 | |
| Methylene chloride | ND | 15 | | | | | | 0 | 20 | |
| n-Butylbenzene | ND | 15 | | | | | | 0 | 20 | |
| n-Propylbenzene | ND | 5.0 | | | | | | 0 | 20 | |
| sec-Butylbenzene | ND | 5.0 | | | | | | 0 | 20 | |
| Styrene | ND | 5.0 | | | | | | 0 | 20 | |
| tert-Butylbenzene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | | | | | | 0 | 20 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | | | | | | 0 | 20 | |
| Tetrachloroethene (PCE) | ND | 5.0 | | | | | | 0 | 20 | |
| trans-1,2-DCE | ND | 5.0 | | | | | | 0 | 20 | |
| trans-1,3-Dichloropropene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,1,1-Trichloroethane | ND | 5.0 | | | | | | 0 | 20 | |
| 1,1,2-Trichloroethane | ND | 5.0 | | | | | | 0 | 20 | |
| Trichloroethene (TCE) | ND | 5.0 | | | | | | 0 | 20 | |
| Trichlorofluoromethane | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2,3-Trichloropropane | ND | 10 | | | | | | 0 | 20 | |
| Vinyl chloride | ND | 5.0 | | | | | | 0 | 20 | |
| Xylenes, Total | 260 | 7.5 | | | | | | 5.06 | 20 | |
| Surr: Dibromofluoromethane | 38 | | 50.00 | | 75.4 | 70 | 130 | 0 | 0 | |
| Surr: 1,2-Dichloroethane-d4 | 37 | | 50.00 | | 74.9 | 70 | 130 | 0 | 0 | |
| Surr: Toluene-d8 | 54 | | 50.00 | | 108 | 70 | 130 | 0 | 0 | |
| Surr: 4-Bromofluorobenzene | 46 | | 50.00 | | 92.9 | 70 | 130 | 0 | 0 | |
| | | | | | | | | | | |

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 7



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 7/3/2024 7:42:25 AM

| Client Name: Hilcorp En | ergy | Work Order Number | : 2306414 | ļ | RcptNo: | 1 |
|--|--|----------------------|------------|------------------|----------------------------|-------------------|
| Received By: Tracy Ca | sarrubias | 6/8/2023 6:25:00 AM | | | | |
| Completed By: Tracy Ca | sarrubias | 6/8/2023 10:10:37 AM | l | | | |
| Reviewed By: CMC | | 618/23 | | | | |
| Chain of Custody | | | | | | |
| 1. Is Chain of Custody com | plete? | | Yes 🗌 | No 🔽 | Not Present | |
| 2. How was the sample deli | vered? | | Courier | | | |
| Log In 3. Was an attempt made to | cool the samples? | | Yes 🗌 | No 🗌 | NA 🗹 | |
| 4. Were all samples receive | d at a temperature o | of >0° C to 6.0°C | Yes 🗌 | No 🗌 | NA 🗹 | |
| 5. Sample(s) in proper conta | ainer(s)? | | Yes 🗹 | No 🗌 | | |
| 6. Sufficient sample volume | for indicated test(s) | ? | Yes 🗹 | No 🗌 | | |
| 7. Are samples (except VOA | and ONG) properly | preserved? | Yes 🗹 | No 🗌 | | |
| 8. Was preservative added t | o bottles? | | Yes 🗌 | No 🗸 | na 🗌 | |
| 9. Received at least 1 vial wi | ith headspace <1/4" | for AQ VOA? | Yes 🗌 | No 🗌 | NA 🗹 | |
| 10. Were any sample contain | ers received broker | ? | Yes 🗆 | No 🗹 | # of preserved | |
| 11. Does paperwork match bo | ottle labels? | | Yes 🗹 | No 🗆 | bottles checked for pH: | |
| (Note discrepancies on ch | • | | | | | >12 unless noted) |
| 12. Are matrices correctly ide | | custody? | Yes 🗹 | No ∐ | Adjusted? | |
| 13. Is it clear what analyses w | | | Yes 🗹 | No ∐ | Checked by: | 10/0/02 |
| 14. Were all holding times able (If no, notify customer for | | | Yes 🗹 | No ∐ | Checked by. 1 | 10000 |
| Special Handling (if ap | plicable) | | | | | |
| 15. Was client notified of all o | discrepancies with the | nis order? | Yes 🗌 | No 🗌 | NA 🗹 | |
| Person Notified: | | Date: | | | | |
| By Whom: | | Via: [| eMail | ☐ Phone ☐ Fax | ☐ In Person | |
| Regarding: | The second secon | | | | | |
| Client Instructions: | Mailing address.pl | one number and Email | are missin | g on COC- TMC 6/ | 8/23 | |
| 16. Additional remarks: | | | | | | |
| 17. Cooler Information | | | | | | |
| Cooler No Temp °C | | al Intact Seal No S | Seal Date | Signed By | | |
| 1 N/A | Good Yes | | | | | |

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| Chain-of-Custody Record | Turn-Around Time: | HALL ENVIRONMENTAL | |
|--|--|--|-----|
| Client: Hil Corp Great Co. | X Standard | ANALYSIS LABORATORY | |
| Atto: Kate Kaufman | | www.hallenvironmental.com | |
| | Have 14/VI | 4901 Hawkins NE - Albuquerque, NM 87109 | |
| | Project #: | Tel. 505-345-3975 Fax 505-345-4107 | - 1 |
| Phone #: | A CONTRACTOR OF THE CONTRACTOR | Analysis Request | |
| email or Fax#: | Project Manager: | (O) | |
| QA/QC Package: | Street Hude | 8'83 8'83 12,4,0 | |
| X Standard □ Level 4 (Full Validation) | | OP (| |
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| □ NELAC □ Other | On ice: | (O \oldownload) 3" 20 O O O O O O O O O | |
| □ EDD (Type) | | cide ood 31(0 NC) | |
| | Cooler Temp(Including CF): N/A (°C) | esti Aeth 8 yo 8 M 8 M 3r, 7C Molife | |
| | Preservative | TEX / 180 181 190 190 190 190 190 190 190 190 190 19 | |
| Date Time Matrix Sample Name | Type and # Type | 8. BS | T |
| 6.6-23 1220 Air Influent All Wells | 2-feller NA Mi | X | |
| 1540 Air | N.A. | X | |
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| v samples submitted to Hall | credited laboratories. | This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. | |

Released to Imaging: 7/3/2024 7:42:25 AM



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

June 30, 2023

Stuart Hyde HILCORP ENERGY PO Box 4700 Farmington, NM 87499

TEL: (505) 564-0733

FAX:

RE: Hare 14M OrderNo.: 2306812

Dear Stuart Hyde:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/15/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 6/30/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGYClient Sample ID: Influent All WellsProject: Hare 14MCollection Date: 6/13/2023 1:00:00 PMLab ID: 2306812-001Matrix: AIRReceived Date: 6/15/2023 7:00:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|----------------------------------|--------|--------|----------|-----|-----------------------|
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | 11000 | 500 | μg/L | 100 | 6/21/2023 12:17:38 PM |
| Surr: BFB | 142 | 15-412 | %Rec | 100 | 6/21/2023 12:17:38 PM |
| EPA METHOD 8260B: VOLATILES | | | | | Analyst: CCM |
| Benzene | 27 | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Toluene | 220 | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Ethylbenzene | 14 | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Methyl tert-butyl ether (MTBE) | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,2,4-Trimethylbenzene | 7.0 | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,3,5-Trimethylbenzene | 7.3 | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,2-Dichloroethane (EDC) | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Naphthalene | ND | 10 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1-Methylnaphthalene | ND | 20 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 2-Methylnaphthalene | ND | 20 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Acetone | ND | 50 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Bromobenzene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Bromodichloromethane | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Bromoform | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Bromomethane | ND | 10 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 2-Butanone | ND | 50 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Carbon disulfide | ND | 50 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Carbon tetrachloride | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Chlorobenzene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Chloroethane | ND | 10 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Chloroform | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Chloromethane | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 2-Chlorotoluene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 4-Chlorotoluene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| cis-1,2-DCE | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| cis-1,3-Dichloropropene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 10 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Dibromochloromethane | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Dibromomethane | ND | 10 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,2-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,3-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,4-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Dichlorodifluoromethane | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,1-Dichloroethane | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,1-Dichloroethene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 3

Date Reported: 6/30/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY
Client Sample ID: Influent All Wells
Project: Hare 14M
Collection Date: 6/13/2023 1:00:00 PM

Lab ID: 2306812-001 **Matrix:** AIR **Received Date:** 6/15/2023 7:00:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-----------------------------|--------|--------|----------|----|----------------------|
| EPA METHOD 8260B: VOLATILES | | | | | Analyst: CCM |
| 1,2-Dichloropropane | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,3-Dichloropropane | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 2,2-Dichloropropane | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,1-Dichloropropene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Hexachlorobutadiene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 2-Hexanone | ND | 50 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Isopropylbenzene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 4-Isopropyltoluene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 4-Methyl-2-pentanone | ND | 50 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Methylene chloride | ND | 15 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| n-Butylbenzene | ND | 15 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| n-Propylbenzene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| sec-Butylbenzene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Styrene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| tert-Butylbenzene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Tetrachloroethene (PCE) | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| trans-1,2-DCE | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| trans-1,3-Dichloropropene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,2,3-Trichlorobenzene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,2,4-Trichlorobenzene | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,1,1-Trichloroethane | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,1,2-Trichloroethane | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Trichloroethene (TCE) | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Trichlorofluoromethane | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| 1,2,3-Trichloropropane | ND | 10 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Vinyl chloride | ND | 5.0 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Xylenes, Total | 160 | 7.5 | μg/L | 50 | 6/23/2023 3:00:00 PM |
| Surr: Dibromofluoromethane | 96.1 | 70-130 | %Rec | 50 | 6/23/2023 3:00:00 PM |
| Surr: 1,2-Dichloroethane-d4 | 92.0 | 70-130 | %Rec | 50 | 6/23/2023 3:00:00 PM |
| Surr: Toluene-d8 | 112 | 70-130 | %Rec | 50 | 6/23/2023 3:00:00 PM |
| Surr: 4-Bromofluorobenzene | 104 | 70-130 | %Rec | 50 | 6/23/2023 3:00:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 3

ANALYTICAL SUMMARY REPORT

June 22, 2023

Hall Environmental 4901 Hawkins St NE Ste D Albuquerque, NM 87109-4372

Work Order:

B23061530

Quote ID: B15626

Project Name:

Not Indicated

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 6/16/2023 for analysis.

| Lab ID | Client Sample ID | Collect Date R | eceive Date | Matrix | Test |
|---------------|-------------------------------------|----------------|-------------|--------|---|
| B23061530-001 | 2306812-001B, Influent All Wells | 06/13/23 13:00 | 06/16/23 | Air | Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60 |

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, 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 Sample ID: 2306812-001B, Influent All Wells

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated
Lab ID: B23061530-001

Report Date: 06/22/23 **Collection Date:** 06/13/23 13:00 **DateReceived:** 06/16/23

Matrix: Air

MCL/ **Result Units** RL QCL Method Analysis Date / By **Analyses** Qualifiers GAS CHROMATOGRAPHY ANALYSIS REPORT Oxygen 21.47 Mol % 0.01 GPA 2261-95 06/19/23 10:32 / jrj Nitrogen 77.89 Mol % 0.01 GPA 2261-95 06/19/23 10:32 / iri Carbon Dioxide 0.01 06/19/23 10:32 / jrj 0.63 Mol % GPA 2261-95 Hydrogen Sulfide <0.01 Mol % 0.01 GPA 2261-95 06/19/23 10:32 / jrj Methane 0.01 Mol % 0.01 GPA 2261-95 06/19/23 10:32 / jrj Ethane <0.01 Mol % 0.01GPA 2261-95 06/19/23 10:32 / jrj <0.01 Mol % 06/19/23 10:32 / jrj Propane 0.01 GPA 2261-95 <0.01 Mol % GPA 2261-95 Isobutane 0.01 06/19/23 10:32 / jrj <0.01 Mol % 0.01 GPA 2261-95 06/19/23 10:32 / jrj n-Butane <0.01 Mol % 0.01 06/19/23 10:32 / jrj Isopentane GPA 2261-95 n-Pentane <0.01 Mol % 0.01 GPA 2261-95 06/19/23 10:32 / jrj Hexanes plus <0.01 Mol % 0.01 GPA 2261-95 06/19/23 10:32 / jrj Propane < 0.001 gpm 0.001 GPA 2261-95 06/19/23 10:32 / jrj GPA 2261-95 06/19/23 10:32 / jrj Isobutane < 0.001 gpm 0.001 n-Butane 0.001 GPA 2261-95 06/19/23 10:32 / iri < 0.001 gpm Isopentane < 0.001 gpm 0.001 GPA 2261-95 06/19/23 10:32 / jrj n-Pentane < 0.001 gpm 0.001 GPA 2261-95 06/19/23 10:32 / jrj 06/19/23 10:32 / jrj Hexanes plus 0.001 GPA 2261-95 < 0.001 gpm **GPM Total** < 0.001 gpm 0.001 GPA 2261-95 06/19/23 10:32 / jrj **GPM Pentanes plus** < 0.001 gpm 0.001 GPA 2261-95 06/19/23 10:32 / jrj **CALCULATED PROPERTIES** Gross BTU per cu ft @ Std Cond. (HHV) ND GPA 2261-95 06/19/23 10:32 / jrj 1 Net BTU per cu ft @ std cond. (LHV) ND GPA 2261-95 06/19/23 10:32 / jrj 1 Pseudo-critical Pressure, psia 547 GPA 2261-95 06/19/23 10:32 / jrj 1 Pseudo-critical Temperature, deg R 240 GPA 2261-95 06/19/23 10:32 / jrj 1 Specific Gravity @ 60/60F 1.00 0.001 D3588-81 06/19/23 10:32 / jrj Air. % 98.11 0.01 GPA 2261-95 06/19/23 10:32 / jrj - The analysis was not corrected for air.

•

COMMENTS

-

BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.
GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.

- To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.

- Standard conditions: 60 F & 14.73 psi on a dry basis.

Report RL - Analyte Reporting Limit MCL - Maximum Contaminant Level

Definitions: QCL - Quality Control Limit ND - Not detected at the Reporting Limit (RL)

06/19/23 10:32 / jrj



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental Work Order: B23061530 Report Date: 06/22/23

| Analyte | | Count | Result | Units | RL | %REC I | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-----------|-------------------|--------|-------------|--------------|------|--------|-----------|-------------|-----|----------|----------|
| Method: | GPA 2261-95 | | | | | | | | | Batch: | R403974 |
| Lab ID: | B23061530-001ADUP | 12 Saı | mple Duplic | ate | | F | Run: GCNG | A-B_230619A | | 06/19/ | 23 10:57 |
| Oxygen | | | 21.5 | Mol % | 0.01 | | | | 0 | 20 | |
| Nitrogen | | | 77.9 | Mol % | 0.01 | | | | 0 | 20 | |
| Carbon Di | ioxide | | 0.64 | Mol % | 0.01 | | | | 1.6 | 20 | |
| Hydrogen | Sulfide | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Methane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Ethane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Propane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Isobutane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| n-Butane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Isopentan | е | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| n-Pentane |) | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Hexanes p | olus | | <0.01 | Mol % | 0.01 | | | | | 20 | |
| Lab ID: | LCS061923 | 11 Lat | oratory Cor | ntrol Sample | | F | Run: GCNG | A-B_230619A | | 06/19/ | 23 12:42 |
| Oxygen | | | 0.61 | Mol % | 0.01 | 122 | 70 | 130 | | | |
| Nitrogen | | | 5.99 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Carbon Di | ioxide | | 0.99 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Methane | | | 74.2 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| Ethane | | | 6.01 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Propane | | | 5.42 | Mol % | 0.01 | 110 | 70 | 130 | | | |
| Isobutane | | | 1.99 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| n-Butane | | | 2.00 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Isopentan | е | | 1.02 | Mol % | 0.01 | 102 | 70 | 130 | | | |
| n-Pentane | e | | 1.01 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| Hexanes p | olus | | 0.75 | Mol % | 0.01 | 94 | 70 | 130 | | | |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Work Order Receipt Checklist

Hall Environmental

B23061530

| Login completed by: | Yvonna E. Smith | | Date | Received: 6/16/2023 |
|---|---------------------------------|---------------|------|--------------------------|
| Reviewed by: | cindy | | Re | eceived by: yes |
| Reviewed Date: | 6/20/2023 | | Car | rier name: FedEx |
| Shipping container/cooler in | good condition? | Yes √ | No 🗌 | Not Present |
| Custody seals intact on all sl | nipping container(s)/cooler(s)? | Yes ✓ | No 🗌 | Not Present |
| Custody seals intact on all sa | ample bottles? | Yes | No 🗌 | Not Present ✓ |
| Chain of custody present? | | Yes √ | No 🗌 | |
| Chain of custody signed who | en relinquished and received? | Yes ✓ | No 🗌 | |
| Chain of custody agrees with | sample labels? | Yes ✓ | No 🗌 | |
| Samples in proper container | /bottle? | Yes √ | No 🗌 | |
| Sample containers intact? | | Yes ✓ | No 🗌 | |
| Sufficient sample volume for | indicated test? | Yes ✓ | No 🗌 | |
| All samples received within h (Exclude analyses that are c such as pH, DO, Res Cl, Su | onsidered field parameters | Yes √ | No 🗌 | |
| Temp Blank received in all s | nipping container(s)/cooler(s)? | Yes | No 🔽 | Not Applicable |
| Container/Temp Blank tempe | erature: | 20.2°C No Ice | | |
| Containers requiring zero he bubble that is <6mm (1/4"). | adspace have no headspace or | Yes | No 🗌 | No VOA vials submitted ✓ |
| Water - pH acceptable upon | receipt? | Yes 🗌 | No 🗌 | Not Applicable 🔽 |
| | | | | |

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.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None

Arrempt to Cool?

Temp of samples

RUSH

Standard

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Date

Relinquished By

FOR LAB USE ONLY

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

CHAIN OF CUSTODY RECORD PAGE: 1 OFF 1

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-545-3975 FAX: 505-545-4107

| SUB CONTRATC | KUB CONTRATOR Energy Labs - Billings COMPANY | llings C | | Energy Laboratories | ies | PHONE: | (406) 869-6253 FAX | | (406) 252-6069 | |
|------------------|--|------------------|---|---------------------|-----------------------|--------------------|--|--------|---------------------|--|
| ADDRESS | 1120 South 27th Street | Street | | | | ACCOUNT # | | EMAIL. | | |
| CITY, STATE, ZII | CITY, STATE, ZIP. Billings, MT 59107 | 107 | | | | | | | | |
| ITEM SAMPLE | | CLIENT SAMPLE ID | Œ | BOTTLE TYPE | BOTTLE TYPE MATRIX | COLLECTION | #CONTAINERS | TICAL | ANALYTICAL COMMENTS | |
| 1 23068 | 1 2306812-001B Influent All Wells | Wells | | TEDLAR | Air 6/ | 13/2023 1:00:00 PM | 6/13/2023 1:00:00 PM 1 Natural Gas Analysis, O2, CO2 | 1 | K13001530 | |

ONLINE REPORT TRANSMITTAL DESIRED: Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you FAX HARDCOPY (extra cost) Time Date Received By Received By. 10:04 AM Time Date: 6/15/2023 Date Relinquished By Relinquished By:

SPECIAL INSTRUCTIONS / COMMENTS:

Hall Environmental Analysis Laboratory, Inc.

WO#: **2306812** *30-Jun-23*

Client: HILCORP ENERGY

Project: Hare 14M

Sample ID: 2306812-001adup SampType: DUP TestCode: EPA Method 8015D: Gasoline Range

Client ID: Influent All Wells Batch ID: GA97610 RunNo: 97610

Prep Date: Analysis Date: 6/21/2023 SeqNo: 3549089 Units: μg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 10000 500 2.99 20 Surr: BFB 280000 200000 141 15 412 0 0

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 3 of 3

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 7/3/2024 7:42:25 AM

Website: www.hallenvironmental.com RcptNo: 1 Work Order Number: 2306812 Client Name: HILCORP ENERGY Chenl Received By: 6/15/2023 7:00:00 AM Cheyenne Cason 6/15/2023 10:03:27 AM Completed By: **Tracy Casarrubias** un 6/15/23 Reviewed By: Chain of Custody No 🗸 Not Present Yes 🗌 1. Is Chain of Custody complete? 2 How was the sample delivered? Courier Log In No 🗌 NA 🗸 Yes 🗌 3. Was an attempt made to cool the samples? No 🗌 Yes 🗌 NA 🗹 4. Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes 🔽 5. Sample(s) in proper container(s)? No 🗌 Yes 🗹 6. Sufficient sample volume for indicated test(s)? No 🗌 Yes 🗹 7. Are samples (except VOA and ONG) properly preserved? NA 🗌 No 🔽 Yes 🗌 8. Was preservative added to bottles? No 🗌 NA 🗹 Yes 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes □ No 🗹 10. Were any sample containers received broken? # of preserved bottles checked Yes 🗸 No 🗌 for pH: 11. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? Yes 🔽 No 🗌 12 Are matrices correctly identified on Chain of Custody? Yes 🗹 No \square 13. Is it clear what analyses were requested? Ju6/15/2 Checked by: No 🗌 Yes 🗹 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) NA 🗹 Yes 🗌 No 🗌 15. Was client notified of all discrepancies with this order? Person Notified: Date: Via: eMail Phone Fax In Person By Whom: Regarding: Client Instructions: Mailing address phone number and Email missing on COC- TMC 6/15/23

16. Additional remarks:

17. Cooler Information

| Cooler Illion | Hation | | | | | |
|---------------|---------|-----------|-------------|---------|-----------|-----------|
| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
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| AM. K | Kate | Kaufmen | Project Name: | www.hallenvironmental.com | |
| Mailing Address: | ss: | | <i>3</i>) | 4901 Hawkins NE - Albuquerque, NM 87109 | |
| | | | Project #: | Tel. 505-345-3975 Fax 505-345-4107 | |
| Phone #: | | | | Analysis Request | |
| email or Fax#: | | | Project Manager: | †O! | |
| QA/QC Package: | i. | | Stuart Hydre | SWS :818 | |
| ☐ Standard | | ☐ Level 4 (Full Validation) | | OSI (OS) | |
| Accreditation: | | □ Az Compliance | . Danny Bur | (() () () () () () () () () (| |
| □ NELAC | □ Other | 1 | Yes | 95 98/88 10 0 10 0 10 0 10 0 10 0 10 0 10 0 10 | |
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| 414/13/16/18 | <u> </u> | lus with will ping coins | 6 (5) 23 | 0700 dburns | |
| If necessa | rv. sambles su | ibmitted to Hall Environmental may be subc | atories. This serves | as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. | |

Released to Imaging: X/3/2024 7:42:25 AM



Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Hall Environmental Analysis Laboratory

4901 Hawkins NE

July 12, 2023

Kate Kaufman Hilcorp Energy PO Box 61529 Houston, TX 77208-1529

TEL: (337) 276-7676

FAX:

RE: Hare 14 M OrderNo.: 2306E13

Dear Kate Kaufman:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/28/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2306E13

Date Reported: 7/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Hilcorp Energy Client Sample ID: Influent

 Project:
 Hare 14 M
 Collection Date: 6/23/2023 12:30:00 PM

 Lab ID:
 2306E13-001
 Matrix: AIR
 Received Date: 6/28/2023 6:45:00 AM

| Analyses | Result | RL (| Qual Units | DF Date Analyzed | Batch |
|----------------------------------|--------|--------|------------|--------------------------|----------------|
| EPA METHOD 8015D: GASOLINE RANGE | | | | Analy | st: JJP |
| Gasoline Range Organics (GRO) | 3400 | 500 | μg/L | 100 6/30/2023 2:55:31 PM | GA97857 |
| Surr: BFB | 117 | 15-412 | %Rec | 100 6/30/2023 2:55:31 PM | GA97857 |
| EPA METHOD 8260B: VOLATILES | | | | Analy | st: JR |
| Benzene | 2.7 | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| Toluene | 41 | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| Ethylbenzene | 3.9 | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| Methyl tert-butyl ether (MTBE) | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| 1,2,4-Trimethylbenzene | 2.3 | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| 1,3,5-Trimethylbenzene | 2.4 | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| 1,2-Dichloroethane (EDC) | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| Naphthalene | ND | 2.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| 1-Methylnaphthalene | ND | 4.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| 2-Methylnaphthalene | ND | 4.0 | μg/L | 10 7/7/2023 10:22:19 AM | |
| Acetone | ND | 10 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| Bromobenzene | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| Bromodichloromethane | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| Bromoform | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| Bromomethane | ND | 2.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| 2-Butanone | ND | 10 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| Carbon disulfide | ND | 10 | μg/L | 10 7/7/2023 10:22:19 AM | |
| Carbon tetrachloride | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| Chlorobenzene | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| Chloroethane | ND | 2.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| Chloroform | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| Chloromethane | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| 2-Chlorotoluene | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| 4-Chlorotoluene | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| cis-1,2-DCE | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | |
| cis-1,3-Dichloropropene | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| 1,2-Dibromo-3-chloropropane | ND | 2.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| Dibromochloromethane | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| Dibromomethane | ND | 2.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| 1,2-Dichlorobenzene | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | |
| 1,3-Dichlorobenzene | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | |
| 1,4-Dichlorobenzene | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | |
| Dichlorodifluoromethane | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| 1,1-Dichloroethane | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |
| 1,1-Dichloroethene | ND | 1.0 | μg/L | 10 7/7/2023 10:22:19 AM | R98027 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 4

Analytical ReportLab Order **2306E13**

Date Reported: 7/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Hilcorp Energy Client Sample ID: Influent

 Project:
 Hare 14 M
 Collection Date: 6/23/2023 12:30:00 PM

 Lab ID:
 2306E13-001
 Matrix: AIR
 Received Date: 6/28/2023 6:45:00 AM

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|-----------------------------|--------|--------|------------|----|----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | Analys | t: JR |
| 1,2-Dichloropropane | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| 1,3-Dichloropropane | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| 2,2-Dichloropropane | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| 1,1-Dichloropropene | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| Hexachlorobutadiene | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| 2-Hexanone | ND | 10 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| Isopropylbenzene | ND | 1.0 | | 10 | 7/7/2023 10:22:19 AM | R98027 |
| 4-Isopropyltoluene | ND | 1.0 | | 10 | 7/7/2023 10:22:19 AM | R98027 |
| 4-Methyl-2-pentanone | ND | 10 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| Methylene chloride | ND | 3.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| n-Butylbenzene | ND | 3.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| n-Propylbenzene | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| sec-Butylbenzene | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| Styrene | ND | 1.0 | | 10 | 7/7/2023 10:22:19 AM | R98027 |
| tert-Butylbenzene | ND | 1.0 | | 10 | 7/7/2023 10:22:19 AM | R98027 |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| Tetrachloroethene (PCE) | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| trans-1,2-DCE | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| trans-1,3-Dichloropropene | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| 1,1,1-Trichloroethane | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| 1,1,2-Trichloroethane | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| Trichloroethene (TCE) | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| Trichlorofluoromethane | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| 1,2,3-Trichloropropane | ND | 2.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| Vinyl chloride | ND | 1.0 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| Xylenes, Total | 50 | 1.5 | μg/L | 10 | 7/7/2023 10:22:19 AM | R98027 |
| Surr: Dibromofluoromethane | 105 | 70-130 | %Rec | 10 | 7/7/2023 10:22:19 AM | R98027 |
| Surr: 1,2-Dichloroethane-d4 | 105 | 70-130 | %Rec | 10 | 7/7/2023 10:22:19 AM | R98027 |
| Surr: Toluene-d8 | 105 | 70-130 | %Rec | 10 | 7/7/2023 10:22:19 AM | R98027 |
| Surr: 4-Bromofluorobenzene | 106 | 70-130 | %Rec | 10 | 7/7/2023 10:22:19 AM | R98027 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 4

ANALYTICAL SUMMARY REPORT

July 06, 2023

Hall Environmental 4901 Hawkins St NE Ste D Albuquerque, NM 87109-4372

Work Order: B23062510

Quote ID: B15626

Project Name: Not Indicated

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 6/29/2023 for analysis.

| Lab ID | Client Sample ID | Collect Date Re | ceive Date | Matrix | Test |
|---------------|------------------------|-----------------|------------|--------|--|
| B23062510-001 | 2306E13-001B, Influent | 06/23/23 12:30 | 06/29/23 | Air | Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist Free Natural Gas Analysis Specific Gravity @ 60/60 |

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, 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:

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

 Client:
 Hall Environmental
 Report Date: 07/06/23

 Project:
 Not Indicated
 Collection Date: 06/23/23 12:30

 Lab ID:
 B23062510-001
 DateReceived: 06/29/23

 Client Sample ID:
 2306E13-001B, Influent
 Matrix: Air

| Analyses | Result Un | its Qualifiers | RL | MCL/ QCL Method | Analysis Date / By |
|---|-------------|----------------|-------|--------------------|---------------------------|
| rialyses | Result On | its Quainiers | IVE. | QOL MELIOG | Analysis Date / Dy |
| GAS CHROMATOGRAPHY ANALYSIS | REPORT | | | | |
| Oxygen | 21.59 Mo | I % | 0.01 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| Nitrogen | 77.78 Mo | I % | 0.01 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| Carbon Dioxide | 0.38 Mo | I % | 0.01 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| Hydrogen Sulfide | <0.01 Mo | I % | 0.01 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| Methane | 0.01 Mo | I % | 0.01 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| Ethane | <0.01 Mo | I % | 0.01 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| Propane | <0.01 Mo | I % | 0.01 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| sobutane | <0.01 Mo | I % | 0.01 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| n-Butane | <0.01 Mo | I % | 0.01 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| sopentane | <0.01 Mo | I % | 0.01 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| n-Pentane | <0.01 Mo | I % | 0.01 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| lexanes plus | 0.24 Mo | l % | 0.01 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| Propane | < 0.001 gpr | m | 0.001 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| sobutane | < 0.001 gpr | m | 0.001 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| n-Butane | < 0.001 gpr | m | 0.001 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| sopentane | < 0.001 gpr | m | 0.001 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| n-Pentane | < 0.001 gpr | m | 0.001 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| lexanes plus | 0.101 gpr | m | 0.001 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| GPM Total | 0.101 gpr | m | 0.001 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| SPM Pentanes plus | 0.101 gpr | m | 0.001 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| CALCULATED PROPERTIES | | | | | |
| Gross BTU per cu ft @ Std Cond. (HHV) | 12 | | 1 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| Net BTU per cu ft @ std cond. (LHV) | 11 | | 1 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| Pseudo-critical Pressure, psia | 546 | | 1 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| Pseudo-critical Temperature, deg R | 241 | | 1 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| Specific Gravity @ 60/60F | 1.00 | | 0.001 | D3588-81 | 06/30/23 11:47 / jrj |
| Air, % | 98.67 | | 0.01 | GPA 226 | 1-95 06/30/23 11:47 / jrj |
| - The analysis was not corrected for air. | | | | | ,, |
| COMMENTS | | | | | |
| · - · · · · · · · · · · · | | | | | |

⁻ BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.

Report RL - Analyte Reporting Limit MCL - Maximum Contaminant Level

Definitions: QCL - Quality Control Limit ND - Not detected at the Reporting Limit (RL)

06/30/23 11:47 / jrj

⁻ GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.

⁻ To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.

⁻ Standard conditions: 60 F & 14.73 psi on a dry basis.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental Work Order: B23062510 Report Date: 07/06/23

| Analyte | | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-----------|-------------------|---------|------------|--------------|------|------|-----------|-------------|-----|----------|-----------|
| Method: | GPA 2261-95 | | | | | | | | | Batch: | R404747 |
| Lab ID: | B23062510-001ADUP | 12 Sam | ple Duplic | ate | | ı | Run: GCNG | A-B_230630A | | 06/30 | /23 12:12 |
| Oxygen | | | 21.6 | Mol % | 0.01 | | | | 0 | 20 | |
| Nitrogen | | | 77.8 | Mol % | 0.01 | | | | 0 | 20 | |
| Carbon Di | oxide | | 0.38 | Mol % | 0.01 | | | | 0.0 | 20 | |
| Hydrogen | Sulfide | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Methane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Ethane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Propane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Isobutane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| n-Butane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Isopentan | е | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| n-Pentane |) | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Hexanes p | olus | | 0.25 | Mol % | 0.01 | | | | 4.1 | 20 | |
| Lab ID: | LCS063023 | 11 Labo | ratory Cor | ntrol Sample | | i | Run: GCNG | A-B_230630A | | 06/30 | /23 12:48 |
| Oxygen | | | 0.59 | Mol % | 0.01 | 118 | 70 | 130 | | | |
| Nitrogen | | | 6.05 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| Carbon Di | oxide | | 1.00 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| Methane | | | 74.4 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| Ethane | | | 6.02 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Propane | | | 5.20 | Mol % | 0.01 | 105 | 70 | 130 | | | |
| Isobutane | | | 1.99 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| n-Butane | | | 2.00 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Isopentan | е | | 1.00 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| n-Pentane |) | | 1.01 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| Hexanes p | olus | | 0.79 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| | | | | | | | | | | | |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



Trust our People. Trust our Data. www.energylab.com Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Work Order Receipt Checklist

Hall Environmental

Login completed by: Yvonna E. Smith

B23062510

Date Received: 6/29/2023

| 3 1 1 1 1 1 1 1 1 | | | | |
|---|---------------------------------|---------------|------|------------------------|
| Reviewed by: | cindy | | Red | ceived by: htm |
| Reviewed Date: | 7/5/2023 | | Carı | rier name: FedEx |
| Shipping container/cooler in | good condition? | Yes ✓ | No 🗌 | Not Present |
| Custody seals intact on all sl | hipping container(s)/cooler(s)? | Yes ✓ | No 🗌 | Not Present |
| Custody seals intact on all sa | ample bottles? | Yes | No 🗌 | Not Present ✓ |
| Chain of custody present? | | Yes 🗸 | No 🗌 | |
| Chain of custody signed who | en relinquished and received? | Yes 🗸 | No 🗌 | |
| Chain of custody agrees with | n sample labels? | Yes 🗸 | No 🗌 | |
| Samples in proper container | /bottle? | Yes 🗸 | No 🗌 | |
| Sample containers intact? | | Yes ✓ | No 🗌 | |
| Sufficient sample volume for | indicated test? | Yes ✓ | No 🗌 | |
| All samples received within h (Exclude analyses that are c such as pH, DO, Res Cl, Su | onsidered field parameters | Yes 🔽 | No 🗌 | |
| Temp Blank received in all s | hipping container(s)/cooler(s)? | Yes | No 🗹 | Not Applicable |
| Container/Temp Blank tempe | erature: | 17.8°C No Ice | | |
| Containers requiring zero he bubble that is <6mm (1/4"). | adspace have no headspace or | Yes | No 🗌 | No VOA vials submitted |
| Water - pH acceptable upon | receipt? | Yes | No 🗌 | Not Applicable 🔽 |
| | | | | |

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.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

CHAIN OF CUSTODY RECORD PAGE 1 OF 1

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

B13062510 ANALYTICAL COMMENTS (406) 252-6069 EMAIL FAX 6/23/2023 12:30:00 PM 1 Natuural Gas Analysis 02, CO2 (406) 869-6253 # CONTAINER: COLLECTION ACCOUNT PHONE MATRIX Air Energy Laboratories BOTTLE TEDLAR COMPANY CLIENT SAMPLE ID 1120 South 27th Street SUB CONTRATOR. Energy Labs - Billings CITY, STATE, ZIP Billings, MT 59107 1 2306E13-001B Influent SAMPLE ADDRESS ITEM

ONLINE Attempt to Cool? REPORT TRANSMITTAL DESIRED. EMAIL Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you FOR LAB USE ONLY HARDCOPY (extra cost) Temp of samples 20123 1185 Time Time 3rd BD Date 2nd BD Next BD Received By 8:45 AM RUSH 6/28/2023 Date Date Date SPECIAL INSTRUCTIONS / COMMENTS: TAT: Relinquished By.

Hall Environmental Analysis Laboratory, Inc.

2306E13 12-Jul-23

WO#:

Client: Hilcorp Energy **Project:** Hare 14 M

| Sample ID: 2306e13-001adup | SampT | SampType: DUP TestCode: EPA Method 8260B: Volatiles | | | | les | | | | |
|--------------------------------|------------|---|-----------|-------------|------------------|----------|-------------|------|----------|------|
| Client ID: Influent | Batch | n ID: R9 | 8027 | F | RunNo: 98 | 3027 | | | | |
| Prep Date: | Analysis D | ate: 7/ | 7/2023 | 5 | SeqNo: 35 | 566743 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 2.3 | 1.0 | | | | | | 19.2 | 20 | |
| Toluene | 35 | 1.0 | | | | | | 16.1 | 20 | |
| Ethylbenzene | 3.2 | 1.0 | | | | | | 17.2 | 20 | |
| Methyl tert-butyl ether (MTBE) | ND | 1.0 | | | | | | 0 | 20 | |
| 1,2,4-Trimethylbenzene | 1.9 | 1.0 | | | | | | 18.2 | 20 | |
| 1,3,5-Trimethylbenzene | 2.0 | 1.0 | | | | | | 22.1 | 20 | R |
| 1,2-Dichloroethane (EDC) | ND | 1.0 | | | | | | 0 | 20 | |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | | | | | | 0 | 20 | |
| Naphthalene | ND | 2.0 | | | | | | 0 | 20 | |
| 1-Methylnaphthalene | ND | 4.0 | | | | | | 0 | 20 | |
| 2-Methylnaphthalene | ND | 4.0 | | | | | | 0 | 20 | |
| Acetone | ND | 10 | | | | | | 0 | 20 | |
| Bromobenzene | ND | 1.0 | | | | | | 0 | 20 | |
| Bromodichloromethane | ND | 1.0 | | | | | | 0 | 20 | |
| Bromoform | ND | 1.0 | | | | | | 0 | 20 | |
| Bromomethane | ND | 2.0 | | | | | | 0 | 20 | |
| 2-Butanone | ND | 10 | | | | | | 0 | 20 | |
| Carbon disulfide | ND | 10 | | | | | | 0 | 20 | |
| Carbon tetrachloride | ND | 1.0 | | | | | | 0 | 20 | |
| Chlorobenzene | ND | 1.0 | | | | | | 0 | 20 | |
| Chloroethane | ND | 2.0 | | | | | | 0 | 20 | |
| Chloroform | ND | 1.0 | | | | | | 0 | 20 | |
| Chloromethane | ND | 1.0 | | | | | | 0 | 20 | |
| 2-Chlorotoluene | ND | 1.0 | | | | | | 0 | 20 | |
| 4-Chlorotoluene | ND | 1.0 | | | | | | 0 | 20 | |
| cis-1,2-DCE | ND | 1.0 | | | | | | 0 | 20 | |
| cis-1,3-Dichloropropene | ND | 1.0 | | | | | | 0 | 20 | |
| 1,2-Dibromo-3-chloropropane | ND | 2.0 | | | | | | 0 | 20 | |
| Dibromochloromethane | ND | 1.0 | | | | | | 0 | 20 | |
| Dibromomethane | ND | 2.0 | | | | | | 0 | 20 | |
| 1,2-Dichlorobenzene | ND | 1.0 | | | | | | 0 | 20 | |
| 1,3-Dichlorobenzene | ND | 1.0 | | | | | | 0 | 20 | |
| 1,4-Dichlorobenzene | ND | 1.0 | | | | | | 0 | 20 | |
| Dichlorodifluoromethane | ND ND | 1.0 | | | | | | 0 | 20 | |
| 1,1-Dichloroethane | ND ND | 1.0 | | | | | | 0 | 20 | |
| 1,1-Dichloroethene | ND ND | 1.0 | | | | | | 0 | 20 | |
| | ND ND | 1.0 | | | | | | 0 | 20 | |
| 1,2-Dichloropropane | | | | | | | | | | |
| 1,3-Dichloropropane | ND | 1.0 | | | | | | 0 | 20 | |
| 2,2-Dichloropropane | ND | 1.0 | | | | | | 0 | 20 | |

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Page 3 of 4

Hall Environmental Analysis Laboratory, Inc.

2306E13 12-Jul-23

WO#:

Client: Hilcorp Energy
Project: Hare 14 M

| Sample ID: 2306e13-001adup | SampT | ype: DUP | | Tes | tCode: EF | PA Method | 8260B: Volatil | es | | |
|-----------------------------|------------|-------------------|-----------|-------------|------------------|-----------|----------------|------|----------|------|
| Client ID: Influent | Batch | n ID: R980 | 27 | F | RunNo: 98 | 3027 | | | | |
| Prep Date: | Analysis D | Date: 7/7/2 | 2023 | 8 | SeqNo: 35 | 566743 | Units: µg/L | | | |
| Analyte | Result | PQL S | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| 1,1-Dichloropropene | ND | 1.0 | | | | | | 0 | 20 | |
| Hexachlorobutadiene | ND | 1.0 | | | | | | 0 | 20 | |
| 2-Hexanone | ND | 10 | | | | | | 0 | 20 | |
| Isopropylbenzene | ND | 1.0 | | | | | | 0 | 20 | |
| 4-Isopropyltoluene | ND | 1.0 | | | | | | 0 | 20 | |
| 4-Methyl-2-pentanone | ND | 10 | | | | | | 0 | 20 | |
| Methylene chloride | ND | 3.0 | | | | | | 0 | 20 | |
| n-Butylbenzene | ND | 3.0 | | | | | | 0 | 20 | |
| n-Propylbenzene | ND | 1.0 | | | | | | 0 | 20 | |
| sec-Butylbenzene | ND | 1.0 | | | | | | 0 | 20 | |
| Styrene | ND | 1.0 | | | | | | 0 | 20 | |
| tert-Butylbenzene | ND | 1.0 | | | | | | 0 | 20 | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | | | | | 0 | 20 | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | | | | | | 0 | 20 | |
| Tetrachloroethene (PCE) | ND | 1.0 | | | | | | 0 | 20 | |
| trans-1,2-DCE | ND | 1.0 | | | | | | 0 | 20 | |
| trans-1,3-Dichloropropene | ND | 1.0 | | | | | | 0 | 20 | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | | | | | 0 | 20 | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | | | | | 0 | 20 | |
| 1,1,1-Trichloroethane | ND | 1.0 | | | | | | 0 | 20 | |
| 1,1,2-Trichloroethane | ND | 1.0 | | | | | | 0 | 20 | |
| Trichloroethene (TCE) | ND | 1.0 | | | | | | 0 | 20 | |
| Trichlorofluoromethane | ND | 1.0 | | | | | | 0 | 20 | |
| 1,2,3-Trichloropropane | ND | 2.0 | | | | | | 0 | 20 | |
| Vinyl chloride | ND | 1.0 | | | | | | 0 | 20 | |
| Xylenes, Total | 42 | 1.5 | | | | | | 16.8 | 20 | |
| Surr: Dibromofluoromethane | 10 | | 10.00 | | 104 | 70 | 130 | 0 | 0 | |
| Surr: 1,2-Dichloroethane-d4 | 11 | | 10.00 | | 108 | 70 | 130 | 0 | 0 | |
| Surr: Toluene-d8 | 9.7 | | 10.00 | | 96.8 | 70 | 130 | 0 | 0 | |
| Surr: 4-Bromofluorobenzene | 9.7 | | 10.00 | | 97.3 | 70 | 130 | 0 | 0 | |

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 4



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 7/3/2024 7:42:25 AM

| Client Name: Hilcorp E | nergy \ | Work Order Numbe | r: 2306E1 | 3 | | RcptN | o: 1 |
|---|--|--------------------|--------------|---------------|----------|--------------------------------|----------------------|
| Received By: Tracy C | asarrubias 6/2 | :8/2023 6:45:00 AN | 1 | | | | |
| | | 8/2023 8:41:29 AN | /i | | | | |
| Reviewed By: | 2 6/28/23 | | | | | | |
| Chain of Custody | | | | | | | |
| 1. Is Chain of Custody con | nplete? | | Yes | No | V | Not Present | |
| 2. How was the sample de | livered? | | Courier | | | | |
| <u>Log In</u> | | | | | | | |
| 3. Was an attempt made to | cool the samples? | | Yes 📙 | No | Ш | NA 🗹 | |
| 4. Were all samples receive | ed at a temperature of > | 0° C to 6.0°C | Yes 🗌 | No | | NA 🗹 | |
| 5. Sample(s) in proper con | tainer(s)? | | Yes 🗸 | No | | | |
| 6. Sufficient sample volume | e for indicated test(s)? | | Yes 🗹 | No | | | |
| 7. Are samples (except VO | A and ONG) properly pre | served? | Yes 🗹 | No | | | |
| 8. Was preservative added | to bottles? | | Yes 🗌 | No | V | NA 🗌 | |
| 9. Received at least 1 vial v | vith headspace <1/4" for a | AQ VOA? | Yes 🗌 | No | | NA 🗹 | |
| 10. Were any sample contain | ners received broken? | | Yes 🗌 | No | V | # of preserved bottles checked | |
| 11. Does paperwork match be (Note discrepancies on control of the | | | Yes 🗹 | No | | for pH: | or >12 unless noted) |
| 12. Are matrices correctly ide | entified on Chain of Custo | ody? | Yes 🗹 | No | | Adjusted? | |
| 13. Is it clear what analyses | were requested? | | Yes 🗸 | No | | | 1 01-5 |
| 14. Were all holding times at (If no, notify customer for | | | Yes 🗹 | No | | Checked by: | Ju 6/28/2 |
| Special Handling (if ag | oplicable) | | | | | | |
| 15. Was client notified of all | discrepancies with this o | rder? | Yes 🗌 | No | | NA 🗹 | |
| Person Notified: | Managery A. | Date: | | | | | |
| By Whom: | THE PARTY OF THE P | Via: [| eMail | Phone | Fax | ☐ In Person | |
| Regarding: | Tanana, | | | | | | |
| Client Instructions: | Mailing address, phone | e number, and Ema | il/Fax are r | nissing on CC | C- TI | MC 6/28/23 | |
| 16. Additional remarks: | | | | | | | |
| 17. Cooler Information Cooler No Temp % 1 NA | C Condition Seal In Good Yes | tact Seal No : | Seal Date | Signed E | Зу | | |

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4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Hall Environmental Analysis Laboratory

July 18, 2023

Kate Kaufman HILCORP ENERGY PO Box 4700 Farmington, NM 87499

TEL: (505) 564-0733

FAX:

RE: Hare 14 M OrderNo.: 2306G11

Dear Kate Kaufman:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/30/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical ReportLab Order **2306G11**

Date Reported: 7/18/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: Influent All Wells

 Project:
 Hare 14 M
 Collection Date: 6/29/2023 12:30:00 PM

 Lab ID:
 2306G11-001
 Matrix: AIR
 Received Date: 6/30/2023 6:25:00 AM

| Beautified Company C | Analyses | Result | RL Qua | l Units | DF | Date Analyzed |
|--|----------------------------------|--------|--------|---------|----|-----------------------|
| Surr: BFB | EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: KMN |
| Surr: BFB | Gasoline Range Organics (GRO) | 5000 | 250 | μg/L | 50 | 7/5/2023 2:05:00 PM |
| Benzene 8.8 5.0 µg/L 50 7/12/2023 10:58:00 AM Toluene 150 5.0 µg/L 50 7/12/2023 10:58:00 AM Ethylbenzene 13 5.0 µg/L 50 7/12/2023 10:58:00 AM Methyl ter-butyl ether (MTBE) ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,2.4-Trimethylbenzene 7.3 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,3.5-Trimethylbenzene 7.8 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,3.5-Trimethylbenzene 7.8 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,2-Dichloroethane (EDC) ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,2-Dichloroethane (EDB) ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,2-Dichloroethane (EDB) ND 5.0 µg/L 50 7/12/2023 10:58:00 AM Naphthalene ND 10 µg/L 50 7/12/2023 10:58:00 AM Naphthalene ND 20 µg/L 50 7/12/2023 10:58:00 AM 2-Methylnaphthalene ND 20 µg/L 50 7/12/2023 10:58:00 AM 2-Methylnaphthalene ND 50 µg/L 50 7/12/2023 10:58:00 AM 3-Methylnaphthalene ND 50 µg/L 50 7/12/2023 10:58:00 AM 3-Methylnaphthalene ND 50 µg/L 50 7/12/2023 10:58:00 AM 3-Methylnaphthalene ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 3-Methylnaphthalene ND 50 µg/L 50 7/12/2023 10:58:00 AM 3-Methylnaphthalene ND 50 µg/L 50 7/12/2023 10:58:00 AM 3-Methylnaphthalene ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 3 | Surr: BFB | 154 | 15-412 | %Rec | 50 | 7/5/2023 2:05:00 PM |
| Toluene | EPA METHOD 8260B: VOLATILES | | | | | Analyst: CCM |
| Ethylbenzene 13 5.0 μg/L 50 7/12/2023 10:58:00 AM Methyl tert-butyl ether (MTBE) ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1.2,4-Trimethylbenzene 7.8 5.0 μg/L 50 7/12/2023 10:58:00 AM 1.3-5-Trimethylbenzene 7.8 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,2-Dichloroethane (EDC) ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,2-Dibromoethane (EDB) ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Naphthalene ND 10 10 μg/L 50 7/12/2023 10:58:00 AM 1-Methylnaphthalene ND 20 μg/L 50 7/12/2023 10:58:00 AM 2-Methylnaphthalene ND 20 μg/L 50 7/12/2023 10:58:00 AM Acetone ND 50 μg/L 50 7/12/2023 10:58:00 AM Bromodichloromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Bromodorm ND <td< td=""><td>Benzene</td><td>8.8</td><td>5.0</td><td>μg/L</td><td>50</td><td>7/12/2023 10:58:00 AM</td></td<> | Benzene | 8.8 | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| Methyl tert-butyl ether (MTBE) ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,2,4-Trimethylbenzene 7.3 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,3,5-Trimethylbenzene 7.8 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,2-Dichloroethane (EDC) ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,2-Dibromoethane (EDB) ND 5.0 µg/L 50 7/12/2023 10:58:00 AM Naphthalene ND 10 µg/L 50 7/12/2023 10:58:00 AM 1-Methylnaphthalene ND 20 µg/L 50 7/12/2023 10:58:00 AM 2-Methylnaphthalene ND 20 µg/L 50 7/12/2023 10:58:00 AM Acetone ND 50 µg/L 50 7/12/2023 10:58:00 AM Bromodichloromethane ND 5.0 µg/L 50 7/12/2023 10:58:00 AM Bromodichloromethane ND 5.0 µg/L 50 7/12/2023 10:58:00 AM Bromodichloromethane ND 5 | Toluene | 150 | 5.0 | | 50 | 7/12/2023 10:58:00 AM |
| 1,2,4-Trimethylbenzene 7.3 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,3-5-Trimethylbenzene 7.8 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,2-Dichloroethane (EDC) ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,2-Dibromoethane (EDB) ND 5.0 µg/L 50 7/12/2023 10:58:00 AM Naphthalene ND 10 µg/L 50 7/12/2023 10:58:00 AM 1-Methylnaphthalene ND 20 µg/L 50 7/12/2023 10:58:00 AM 2-Methylnaphthalene ND 50 µg/L 50 7/12/2023 10:58:00 AM 2-Methylnaphthalene ND 50 µg/L 50 7/12/2023 10:58:00 AM 3-Meromobenzene ND 50 µg/L 50 7/12/2023 10:58:00 AM Bromodichloromethane ND 5.0 µg/L 50 7/12/2023 10:58:00 AM Bromomethane ND 5.0 µg/L 50 7/12/2023 10:58:00 AM Bromomethane ND 50 µ | Ethylbenzene | 13 | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 1,3,5-Trimethylibenzene 7.8 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,2-Dichloroethane (EDC) ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,2-Dibromoethane (EDB) ND 5.0 µg/L 50 7/12/2023 10:58:00 AM Naphthalene ND 10 µg/L 50 7/12/2023 10:58:00 AM 1-Methylnaphthalene ND 20 µg/L 50 7/12/2023 10:58:00 AM 2-Methylnaphthalene ND 50 µg/L 50 7/12/2023 10:58:00 AM Acetone ND 50 µg/L 50 7/12/2023 10:58:00 AM Bromodichloromethane ND 5.0 µg/L 50 7/12/2023 10:58:00 AM Bromoform ND 5.0 µg/L 50 | Methyl tert-butyl ether (MTBE) | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 1,2-Dichloroethane (EDC) | 1,2,4-Trimethylbenzene | 7.3 | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 1,2-Dichloroethane (EDC) | 1,3,5-Trimethylbenzene | 7.8 | 5.0 | . • | 50 | 7/12/2023 10:58:00 AM |
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| Bromoform ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Bromomethane ND 10 μg/L 50 7/12/2023 10:58:00 AM 2-Butanone ND 50 μg/L 50 7/12/2023 10:58:00 AM Carbon disulfide ND 50 μg/L 50 7/12/2023 10:58:00 AM Carbon tetrachloride ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Chlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Chloroethane ND 10 μg/L 50 7/12/2023 10:58:00 AM Chloroform ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Chloromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 4-Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM cis-1,2-DCE ND 5.0 μg/L 50 7/12/2023 10:58:00 AM< | Bromodichloromethane | ND | 5.0 | . • | 50 | 7/12/2023 10:58:00 AM |
| Bromomethane ND 10 μg/L 50 7/12/2023 10:58:00 AM 2-Butanone ND 50 μg/L 50 7/12/2023 10:58:00 AM Carbon disulfide ND 50 μg/L 50 7/12/2023 10:58:00 AM Carbon tetrachloride ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Chlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Chlorotethane ND 10 μg/L 50 7/12/2023 10:58:00 AM Chloroform ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 4-Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 4-Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM cis-1,2-DCE ND 5.0 μg/L 50 7/12/2023 10:58:00 AM cis-1,3-Dichloropropane ND 5.0 μg/L 50 7/12/ | Bromoform | ND | 5.0 | | 50 | 7/12/2023 10:58:00 AM |
| 2-Butanone ND 50 μg/L 50 7/12/2023 10:58:00 AM Carbon disulfide ND 50 μg/L 50 7/12/2023 10:58:00 AM Carbon tetrachloride ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Chlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Chloroform ND 10 μg/L 50 7/12/2023 10:58:00 AM Chloromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Chloromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 4-Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM cis-1,2-DCE ND 5.0 μg/L 50 7/12/2023 10:58:00 AM cis-1,3-Dichloropropene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Dibromomethane ND 10 μg/L 50 7/12/ | Bromomethane | ND | 10 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| Carbon tetrachloride ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Chlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Chloroethane ND 10 μg/L 50 7/12/2023 10:58:00 AM Chloroform ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 2-Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 4-Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM cis-1,3-Dichloropropene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,2-Dibromo-3-chloropropane ND 10 μg/L 5 | 2-Butanone | ND | 50 | | 50 | 7/12/2023 10:58:00 AM |
| Carbon tetrachloride ND 5.0 µg/L 50 7/12/2023 10:58:00 AM Chlorobenzene ND 5.0 µg/L 50 7/12/2023 10:58:00 AM Chloroethane ND 10 µg/L 50 7/12/2023 10:58:00 AM Chloroform ND 5.0 µg/L 50 7/12/2023 10:58:00 AM Chloromethane ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 2-Chlorotoluene ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 4-Chlorotoluene ND 5.0 µg/L 50 7/12/2023 10:58:00 AM cis-1,3-Dichloropropene ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,2-Dibromo-3-chloropropane ND 10 µg/L 50 | Carbon disulfide | ND | 50 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| Chlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Chloroethane ND 10 μg/L 50 7/12/2023 10:58:00 AM Chloroform ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 2-Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 4-Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM cis-1,2-DCE ND 5.0 μg/L 50 7/12/2023 10:58:00 AM cis-1,3-Dichloropropene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,2-Dibromo-3-chloropropane ND 10 μg/L 50 7/12/2023 10:58:00 AM Dibromomethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,2-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,3-Dichlorobenzene ND 5.0 μg/L 50< | Carbon tetrachloride | ND | 5.0 | | 50 | 7/12/2023 10:58:00 AM |
| Chloroethane ND 10 μg/L 50 7/12/2023 10:58:00 AM Chloroform ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Chloromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 2-Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 4-Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM cis-1,2-DCE ND 5.0 μg/L 50 7/12/2023 10:58:00 AM cis-1,3-Dichloropropene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,2-Dibromo-3-chloropropane ND 10 μg/L 50 7/12/2023 10:58:00 AM Dibromochloromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,2-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,3-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,4-Dichlorodifluoromethane ND 5.0 μg/L< | Chlorobenzene | ND | 5.0 | | 50 | 7/12/2023 10:58:00 AM |
| Chloromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 2-Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 4-Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM cis-1,2-DCE ND 5.0 μg/L 50 7/12/2023 10:58:00 AM cis-1,3-Dichloropropene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,2-Dibromo-3-chloropropane ND 10 μg/L 50 7/12/2023 10:58:00 AM Dibromochloromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Dibromomethane ND 10 μg/L 50 7/12/2023 10:58:00 AM 1,3-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,4-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Dichlorodifluoromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,1-Dichloroethane ND 5.0 <td< td=""><td>Chloroethane</td><td>ND</td><td>10</td><td></td><td>50</td><td>7/12/2023 10:58:00 AM</td></td<> | Chloroethane | ND | 10 | | 50 | 7/12/2023 10:58:00 AM |
| 2-Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 4-Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM cis-1,2-DCE ND 5.0 μg/L 50 7/12/2023 10:58:00 AM cis-1,3-Dichloropropene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,2-Dibromo-3-chloropropane ND 10 μg/L 50 7/12/2023 10:58:00 AM Dibromochloromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Dibromochlorobenzene ND 10 μg/L 50 7/12/2023 10:58:00 AM 1,2-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,3-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,4-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,1-Dichloroethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,1-Dichloroethane ND 5.0 | Chloroform | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 2-Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 4-Chlorotoluene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM cis-1,2-DCE ND 5.0 μg/L 50 7/12/2023 10:58:00 AM cis-1,3-Dichloropropene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,2-Dibromo-3-chloropropane ND 10 μg/L 50 7/12/2023 10:58:00 AM Dibromochloromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Dibromochlorobenzene ND 10 μg/L 50 7/12/2023 10:58:00 AM 1,2-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,3-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,4-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,1-Dichloroethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM | Chloromethane | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
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| cis-1,2-DCE ND 5.0 µg/L 50 7/12/2023 10:58:00 AM cis-1,3-Dichloropropene ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,2-Dibromo-3-chloropropane ND 10 µg/L 50 7/12/2023 10:58:00 AM Dibromochloromethane ND 5.0 µg/L 50 7/12/2023 10:58:00 AM Dibromomethane ND 10 µg/L 50 7/12/2023 10:58:00 AM 1,2-Dichlorobenzene ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,3-Dichlorobenzene ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,4-Dichlorobenzene ND 5.0 µg/L 50 7/12/2023 10:58:00 AM Dichlorodifluoromethane ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,1-Dichloroethane ND 5.0 µg/L 50 7/12/2023 10:58:00 AM | 4-Chlorotoluene | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| cis-1,3-Dichloropropene ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,2-Dibromo-3-chloropropane ND 10 µg/L 50 7/12/2023 10:58:00 AM Dibromochloromethane ND 5.0 µg/L 50 7/12/2023 10:58:00 AM Dibromomethane ND 10 µg/L 50 7/12/2023 10:58:00 AM 1,2-Dichlorobenzene ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,3-Dichlorobenzene ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,4-Dichlorobenzene ND 5.0 µg/L 50 7/12/2023 10:58:00 AM Dichlorodifluoromethane ND 5.0 µg/L 50 7/12/2023 10:58:00 AM 1,1-Dichloroethane ND 5.0 µg/L 50 7/12/2023 10:58:00 AM | cis-1,2-DCE | ND | 5.0 | | 50 | 7/12/2023 10:58:00 AM |
| 1,2-Dibromo-3-chloropropane ND 10 μg/L 50 7/12/2023 10:58:00 AM Dibromochloromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Dibromomethane ND 10 μg/L 50 7/12/2023 10:58:00 AM 1,2-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,3-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,4-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Dichlorodifluoromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,1-Dichloroethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM | cis-1,3-Dichloropropene | ND | 5.0 | | 50 | |
| Dibromomethane ND 10 μg/L 50 7/12/2023 10:58:00 AM 1,2-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,3-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,4-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Dichlorodifluoromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,1-Dichloroethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM | 1,2-Dibromo-3-chloropropane | ND | 10 | | 50 | 7/12/2023 10:58:00 AM |
| 1,2-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,3-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,4-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Dichlorodifluoromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,1-Dichloroethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM | Dibromochloromethane | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 1,3-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,4-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Dichlorodifluoromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,1-Dichloroethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM | Dibromomethane | ND | 10 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 1,3-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,4-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Dichlorodifluoromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,1-Dichloroethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM | 1,2-Dichlorobenzene | ND | 5.0 | . • | 50 | 7/12/2023 10:58:00 AM |
| 1,4-Dichlorobenzene ND 5.0 μg/L 50 7/12/2023 10:58:00 AM Dichlorodifluoromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,1-Dichloroethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM | 1,3-Dichlorobenzene | ND | 5.0 | | 50 | 7/12/2023 10:58:00 AM |
| Dichlorodifluoromethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM 1,1-Dichloroethane ND 5.0 μg/L 50 7/12/2023 10:58:00 AM | 1,4-Dichlorobenzene | ND | 5.0 | | 50 | 7/12/2023 10:58:00 AM |
| 1,1-Dichloroethane ND 5.0 µg/L 50 7/12/2023 10:58:00 AM | Dichlorodifluoromethane | ND | 5.0 | . • | 50 | 7/12/2023 10:58:00 AM |
| | 1,1-Dichloroethane | ND | 5.0 | | 50 | 7/12/2023 10:58:00 AM |
| | 1,1-Dichloroethene | ND | 5.0 | | 50 | 7/12/2023 10:58:00 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

Analytical ReportLab Order **2306G11**

Date Reported: 7/18/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: Influent All Wells

 Project:
 Hare 14 M
 Collection Date: 6/29/2023 12:30:00 PM

 Lab ID:
 2306G11-001
 Matrix: AIR
 Received Date: 6/30/2023 6:25:00 AM

| Analyses | Result | RL Q | ual Units | DF | Date Analyzed |
|-----------------------------|--------|--------|-----------|----|-----------------------|
| EPA METHOD 8260B: VOLATILES | | | | | Analyst: CCM |
| 1,2-Dichloropropane | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 1,3-Dichloropropane | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 2,2-Dichloropropane | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 1,1-Dichloropropene | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| Hexachlorobutadiene | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 2-Hexanone | ND | 50 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| Isopropylbenzene | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 4-Isopropyltoluene | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 4-Methyl-2-pentanone | ND | 50 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| Methylene chloride | ND | 15 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| n-Butylbenzene | ND | 15 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| n-Propylbenzene | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| sec-Butylbenzene | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| Styrene | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| tert-Butylbenzene | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| Tetrachloroethene (PCE) | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| trans-1,2-DCE | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| trans-1,3-Dichloropropene | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 1,2,3-Trichlorobenzene | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 1,2,4-Trichlorobenzene | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 1,1,1-Trichloroethane | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 1,1,2-Trichloroethane | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| Trichloroethene (TCE) | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| Trichlorofluoromethane | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| 1,2,3-Trichloropropane | ND | 10 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| Vinyl chloride | ND | 5.0 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| Xylenes, Total | 160 | 7.5 | μg/L | 50 | 7/12/2023 10:58:00 AM |
| Surr: Dibromofluoromethane | 101 | 70-130 | %Rec | 50 | 7/12/2023 10:58:00 AM |
| Surr: 1,2-Dichloroethane-d4 | 95.2 | 70-130 | %Rec | 50 | 7/12/2023 10:58:00 AM |
| Surr: Toluene-d8 | 138 | 70-130 | S %Rec | 50 | 7/12/2023 10:58:00 AM |
| Surr: 4-Bromofluorobenzene | 122 | 70-130 | %Rec | 50 | 7/12/2023 10:58:00 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 5

ANALYTICAL SUMMARY REPORT

July 17, 2023

Hall Environmental 4901 Hawkins St NE Ste D Albuquerque, NM 87109-4372

Work Order:

B23070298

Quote ID: B15626

Project Name:

Not Indicated

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 7/6/2023 for analysis.

| Lab ID | Client Sample ID | Collect Date Re | eceive Date | Matrix | Test |
|---------------|-------------------------------------|-----------------|-------------|--------|---|
| B23070298-001 | 2306G11-001B, Influent All Wells | 06/29/23 12:30 | 07/06/23 | Air | Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60 |

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, 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:

Matrix: Air

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental **Report Date:** 07/17/23 Project: Not Indicated Collection Date: 06/29/23 12:30 DateReceived: 07/06/23 Lab ID: B23070298-001 Client Sample ID: 2306G11-001B, Influent All Wells

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|-------|------------|-------|-------------|-------------|----------------------|
| GAS CHROMATOGRAPHY ANALYSIS | REPORT | | | | | | |
| Oxygen | 21.63 | Mol % | | 0.01 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| Nitrogen | 77.81 | Mol % | | 0.01 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| Carbon Dioxide | 0.31 | Mol % | | 0.01 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| Hydrogen Sulfide | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| Methane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| Ethane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| Propane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| Isobutane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| n-Butane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| Isopentane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| n-Pentane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| Hexanes plus | 0.25 | Mol % | | 0.01 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| Propane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| Isobutane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| n-Butane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| sopentane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| n-Pentane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| Hexanes plus | 0.105 | gpm | | 0.001 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| GPM Total | 0.105 | gpm | | 0.001 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| GPM Pentanes plus | 0.105 | gpm | | 0.001 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| CALCULATED PROPERTIES | | | | | | | |
| Gross BTU per cu ft @ Std Cond. (HHV) | 12 | | | 1 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| Net BTU per cu ft @ std cond. (LHV) | 11 | | | 1 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| Pseudo-critical Pressure, psia | 546 | | | 1 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| Pseudo-critical Temperature, deg R | 241 | | | 1 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| Specific Gravity @ 60/60F | 1.00 | | | 0.001 | | D3588-81 | 07/10/23 11:53 / jrj |
| Air, % - The analysis was not corrected for air. | 98.83 | | | 0.01 | | GPA 2261-95 | 07/10/23 11:53 / jrj |
| COMMENTS | | | | | | | |
| | | | | | | | |

⁻ BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.

RL - Analyte Reporting Limit Report MCL - Maximum Contaminant Level

Definitions: QCL - Quality Control Limit ND - Not detected at the Reporting Limit (RL)

07/10/23 11:53 / jrj

⁻ GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.

⁻ To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.

⁻ Standard conditions: 60 F & 14.73 psi on a dry basis.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental Work Order: B23070298 Report Date: 07/17/23

| Analyte | | Count | Result | Units | RL | %REC L | ow Limit | High Limit | RPD | RPDLimit | Qual |
|-----------|-------------------|---------|-------------|--------------|------|--------|----------|-------------|-----|----------|-----------|
| Method: | GPA 2261-95 | | | | | | | | | Batch: | R405186 |
| Lab ID: | B23070297-001ADUP | 12 Sam | ple Duplic | ate | | R | un: GCNG | A-B_230710A | | 07/10/ | /23 11:21 |
| Oxygen | | | 20.7 | Mol % | 0.01 | | | | 0.1 | 20 | |
| Nitrogen | | | 77.2 | Mol % | 0.01 | | | | 0.1 | 20 | |
| Carbon Di | oxide | | 0.98 | Mol % | 0.01 | | | | 0.0 | 20 | |
| Hydrogen | Sulfide | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Methane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Ethane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Propane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Isobutane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| n-Butane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Isopentan | е | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| n-Pentane | ; | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Hexanes p | olus | | 1.07 | Mol % | 0.01 | | | | 11 | 20 | |
| Lab ID: | LCS071023 | 11 Labo | oratory Cor | ntrol Sample | | R | un: GCNG | A-B_230710A | | 07/10/ | /23 12:23 |
| Oxygen | | | 0.61 | Mol % | 0.01 | 122 | 70 | 130 | | | |
| Nitrogen | | | 5.97 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| Carbon Di | oxide | | 1.01 | Mol % | 0.01 | 102 | 70 | 130 | | | |
| Methane | | | 74.2 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| Ethane | | | 6.03 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Propane | | | 5.15 | Mol % | 0.01 | 104 | 70 | 130 | | | |
| Isobutane | | | 2.02 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| n-Butane | | | 2.04 | Mol % | 0.01 | 102 | 70 | 130 | | | |
| Isopentan | е | | 1.02 | Mol % | 0.01 | 102 | 70 | 130 | | | |
| n-Pentane |) | | 1.05 | Mol % | 0.01 | 105 | 70 | 130 | | | |
| Hexanes p | olus | | 0.87 | Mol % | 0.01 | 109 | 70 | 130 | | | |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



Trust our People. Trust our Data. www.energylab.com Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Work Order Receipt Checklist

Hall Environmental

B23070298

| Login completed by: | Yvonna E. Smith | | Date | Received: 7/6/2023 | |
|---|---------------------------------|---------------|---------------|------------------------|---|
| Reviewed by: | gmccartney | | Re | ceived by: crs | |
| Reviewed Date: | 7/15/2023 | | Car | rier name: FedEx | |
| Shipping container/cooler in | good condition? | Yes 🗸 | No 🗌 | Not Present | |
| Custody seals intact on all si | hipping container(s)/cooler(s)? | Yes 🔽 | No 🗌 | Not Present | |
| Custody seals intact on all sa | Yes | No 🗌 | Not Present 🗹 | | |
| Chain of custody present? | | Yes √ | No 🗌 | | |
| Chain of custody signed who | en relinquished and received? | Yes 🔽 | No 🗌 | | |
| Chain of custody agrees with | n sample labels? | Yes 🗸 | No 🗌 | | |
| Samples in proper container | /bottle? | Yes 🔽 | No 🗌 | | |
| Sample containers intact? | | Yes √ | No 🗌 | | |
| Sufficient sample volume for | indicated test? | Yes √ | No 🗌 | | |
| All samples received within h (Exclude analyses that are c such as pH, DO, Res CI, Su | onsidered field parameters | Yes √ | No 🗌 | | |
| Temp Blank received in all s | hipping container(s)/cooler(s)? | Yes | No 🗹 | Not Applicable | |
| Container/Temp Blank tempo | erature: | 19.5°C No Ice | | | |
| Containers requiring zero he bubble that is <6mm (1/4"). | adspace have no headspace or | Yes | No 🗌 | No VOA vials submitted | |
| Water - pH acceptable upon | receipt? | Yes | No 🗌 | Not Applicable 🔽 | - |

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.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

CHAIN OF CUSTODY RECORD PAGE: 1 OFF 1

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

| (406) 252-6069 | | | ANALYTICAL COMMENTS | R22070298 |
|-------------------------------------|------------------------|-------------------------------------|------------------------|---|
| FAX | EMAIL | | ALYTI | C02 |
| (406) 869-6253 | | | VV # CONTAINERS | 6/29/2023 12:30:00 PM 1 Natural Gas Analysis. O2, CO2 |
| PHONE | ACCOUNT # | | COLLECTION | 29/2023 12:30:00 PM |
| sa | | | MATRIX | Air 6/ |
| Energy Laboratories | | | BOTTLE TYPE | TEDLAR |
| COMPANY | Street | 20 | CLIENT SAMPLE ID | Vells |
| v Labs -Bil | 1120 South 27th Street | s, MT 5910 | CLIENT | 1B Influent All Wells |
| SUB CONTRATOR Energy Labs -Billings | 1120 S | CITY, STATE, ZIP Billings, MT 59107 | SAMPLE | 2306G11-001B Influent All Wells |
| SUB CONTR | ADDRESS | CITY, STATI | TEM | 1 23(|

ONLINE Attempt to Cool " REPORT TRANSMITTAL DESIRED. EMAIL Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you. FOR LAB USE ONLY FAX HARDCOPY (extra cost) Temp of samples Time. Time Date Date. Collandeen Next BD Received By: Received By 7:29 AM RUSH Time Time Time Date 6/30/2023 Date Date Mundard TAT Relinquished By Relinquished By

SPECIAL INSTRUCTIONS / COMMENTS:

Hall Environmental Analysis Laboratory, Inc.

160000

2306G11

WO#:

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18-Jul-23

Client: HILCORP ENERGY

Project: Hare 14 M

Surr: BFB

Sample ID: 2306G11-001adup SampType: DUP TestCode: EPA Method 8015D: Gasoline Range

Client ID: Influent All Wells Batch ID: R97913 RunNo: 97913

Prep Date: Analysis Date: 7/5/2023 SeqNo: 3563440 Units: µg/L

100000

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 5300 250 4.25 20

160

15

412

0

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

2306G11

WO#:

18-Jul-23

Client: HILCORP ENERGY

Project: Hare 14 M

Sample ID: 2306G11-001adup SampType: DUP TestCode: EPA Method 8260B: Volatiles Client ID: Influent All Wells Batch ID: R98117 RunNo: 98117 Units: µg/L Prep Date: Analysis Date: 7/12/2023 SeqNo: 3570689 PQL SPK value SPK Ref Val HighLimit %RPD **RPDLimit** Analyte Result %REC LowLimit Qual Benzene 9.2 5.0 4.24 20 Toluene 160 5.0 4.44 20 Ethylbenzene 14 5.0 7.00 20 Methyl tert-butyl ether (MTBE) ND 5.0 0 20 1,2,4-Trimethylbenzene 8.0 5.0 8.79 20 1,3,5-Trimethylbenzene 8.94 20 8.5 5.0 1,2-Dichloroethane (EDC) ND 5.0 0 20 1,2-Dibromoethane (EDB) ND 0 20 5.0 Naphthalene ND 10 0 20 ND 0 1-Methylnaphthalene 20 20 0 2-Methylnaphthalene ND 20 20 50 0 Acetone ND 20 Bromobenzene ND 5.0 0 20 Bromodichloromethane ND 5.0 0 20 Bromoform ND 0 20 5.0 Bromomethane ND 10 0 20 ND 0 20 2-Butanone 50 Carbon disulfide ND 50 0 20 Carbon tetrachloride ND 5.0 0 20 Chlorobenzene ND 0 20 5.0 0 Chloroethane ND 10 20 0 Chloroform ND 5.0 20 Chloromethane ND 5.0 0 20 2-Chlorotoluene ND 5.0 0 20 4-Chlorotoluene ND 5.0 0 20 ND 5.0 0 20 cis-1,2-DCE cis-1,3-Dichloropropene ND 5.0 0 20 0 1,2-Dibromo-3-chloropropane ND 10 20 Dibromochloromethane 0 20 ND 5.0 0 Dibromomethane ND 10 20 1.2-Dichlorobenzene ND 5.0 0 20 0 20 1,3-Dichlorobenzene ND 5.0 1,4-Dichlorobenzene ND 5.0 0 20 0 Dichlorodifluoromethane ND 5.0 20 1.1-Dichloroethane ND 5.0 0 20

Qualifiers:

1,1-Dichloroethene

1,2-Dichloropropane

1,3-Dichloropropane

2,2-Dichloropropane

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.

ND

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- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 4 of 5

20

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Hall Environmental Analysis Laboratory, Inc.

2306G11 18-Jul-23

WO#:

Client: HILCORP ENERGY

Project: Hare 14 M

Sample ID: 2306G11-001adup SampType: DUP TestCode: EPA Method 8260B: Volatiles Client ID: Influent All Wells Batch ID: R98117 RunNo: 98117 Units: µg/L Prep Date: Analysis Date: 7/12/2023 SeqNo: 3570689 PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit 1,1-Dichloropropene ND 5.0 0 20 Hexachlorobutadiene ND 5.0 0 20 ND 2-Hexanone 50 0 20 5.0 Isopropylbenzene ND 0 20 4-Isopropyltoluene ND 5.0 0 20 ND 0 20 4-Methyl-2-pentanone 50 Methylene chloride ND 15 0 20 n-Butylbenzene ND 15 0 20 n-Propylbenzene ND 5.0 0 20 ND 0 sec-Butylbenzene 5.0 20 0 Styrene ND 5.0 20 0 tert-Butylbenzene ND 5.0 20 1,1,1,2-Tetrachloroethane ND 5.0 0 20 1,1,2,2-Tetrachloroethane ND 5.0 0 20 Tetrachloroethene (PCE) ND 0 20 5.0 trans-1,2-DCE ND 5.0 0 20 ND 0 20 trans-1,3-Dichloropropene 5.0 1,2,3-Trichlorobenzene ND 5.0 0 20 1,2,4-Trichlorobenzene ND 5.0 0 20 1,1,1-Trichloroethane ND 5.0 0 20 ND 0 1,1,2-Trichloroethane 5.0 20 0 Trichloroethene (TCE) ND 5.0 20 Trichlorofluoromethane ND 5.0 0 20 1,2,3-Trichloropropane ND 10 0 20 Vinyl chloride ND 5.0 0 20 170 7.5 6.69 20 Xylenes, Total Surr: Dibromofluoromethane 51 50.00 103 70 130 0 0 0 0 Surr: 1,2-Dichloroethane-d4 48 50.00 95.4 70 130 Surr: Toluene-d8 63 50.00 125 70 130 0 0

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix

Surr: 4-Bromofluorobenzene

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.

62

50.00

B Analyte detected in the associated Method Blank

123

70

- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 5

0

0

130

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 7/3/2024 7:42:25 AM

| Client Name: HILCORP | ENERGY | Work Order Numbe | er: 2306G11 | | RcptNo: 1 | |
|---|--|----------------------|-------------------|--------------|--|--------------|
| Received By: Tracy Cas | sarrubias | 6/30/2023 6:25:00 AI | νI | | | |
| Completed By: Tracy Cas | sarrubias | 6/30/2023 7:25:24 AI | М | | | |
| Reviewed By: Jn 6 | 30/23 | | | | | |
| Chain of Custody | | | | | | |
| 1. Is Chain of Custody comp | lete? | | Yes 🗌 | No 🗹 | Not Present | |
| 2. How was the sample deliv | vered? | | Courier | | | |
| Log In | | | | | | |
| 3. Was an attempt made to o | cool the samples? | | Yes 🗌 | No 🗌 | NA 🗹 | |
| 4. Were all samples received | l at a temperature of | >0° C to 6.0°C | Yes 🗌 | No 🗌 | NA 🗹 | |
| 5. Sample(s) in proper conta | iner(s)? | | Yes 🗹 | No 🗌 | | |
| 6. Sufficient sample volume f | for indicated test(s)? | | Yes 🗸 | No 🗌 | | |
| 7. Are samples (except VOA | and ONG) properly | preserved? | Yes 🗹 | No 🗌 | | |
| 8. Was preservative added to | bottles? | | Yes 🗌 | No 🗹 | NA 🗌 | |
| 9. Received at least 1 vial wit | h headspace <1/4" | or AQ VOA? | Yes 🗌 | No 🗌 | NA 🗹 | |
| 10. Were any sample containe | ers received broken' | > | Yes 🗌 | No 🗹 | # of preserved | |
| 11. Does paperwork match bo (Note discrepancies on ch | | | Yes 🗹 | No 🗌 | bottles checked for pH: (<2 or >12 u | nless noted) |
| 2. Are matrices correctly iden | tified on Chain of Co | ustody? | Yes 🗹 | No 🗌 | Adjusted? | |
| 3. Is it clear what analyses w | ere requested? | | Yes 🗹 | No 🗌 | 000 | 01 126 |
| 4. Were all holding times able (If no, notify customer for a | | | Yes 🗹 | No 🗌 | Checked by: SCM | 06/50/ |
| Special Handling (if app | olicable) | | | | | |
| 15. Was client notified of all d | iscrepancies with th | s order? | Yes 🗌 | No 🗌 | NA 🗹 | |
| Person Notified: | Total Control | Date: | | | | |
| By Whom: | The second secon | Via: | eMail F | Phone Fax | ☐ In Person | |
| Regarding: | On the second se | | | | | |
| Client Instructions: | Mailing address, ph | one number and Ema | ail/Fax are missi | ng on COC-TM | C 6/30/23 | |
| 16. Additional remarks: | | | | | | |
| 17. Cooler Information Cooler No Temp °C | Condition Sea | I Intact Seal No | Seal Date | Signed By | | |

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| Chain-of-Custody Record | Turn-Around Time: | HALL ENVIRONMENTAL |
|--------------------------------------|---|--|
| Client: Hilcorp Energy Co. | X Standard □ Rush | ANALYSIS LABORATORY |
| Ath: Kate Kaufman | | www.hallenvironmental.com |
| ddress: | Hare 14 M | 4901 Hawkins NE - Albuquerque, NM 87109 |
| | Project #: | Tel. 505-345-3975 Fax 505-345-4107 |
| Phone #: | ACTION AND ACTION ACTION AND ACTION ACTION AND ACTION | Analysis Request |
| email or Fax#: | Project Manager: | (O) |
| ige: | Stuart Hyde | edA\ |
| | | O S O S O S O S O S O S O S O S O S O S |
| on: | II. Durny Bur | (1.4.1) (1.4.1) (1.82) (1.1) (1.1) |
| | On Ice: | (A) |
| X EDD (Type) P or | | cid odd 31(C NC // |
| | Cooler Temp(Induding CF): NA (°C) | 15C estin Meth by 8 M8 M9 7C, 7C MOk |
| | Container Preservative HEAL No. | 14:80 (M) 80 (M) 81 (A) 13 (A) (S) (S) (S) (S) (S) |
| Date Time Matrix Sample Name | # Type 23 | 10 85 BCCl' BVC ED 800 1b√ |
| 6-29-23 12:30 Air Influent All Wells | A | X |
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| 25/23 1824 Matu Wolles | 6/30/13 | one out to be be before the end |

If necessary, samples submitted to Hall Environmental may be Released to Imaging: 7/3/2024 7:42:25 AM



Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Hall Environmental Analysis Laboratory

4901 Hawkins NE

July 21, 2023

Kate Kaufman Hilcorp Energy PO Box 61529 Houston, TX 77208-1529

TEL: (337) 276-7676

FAX:

RE: Hare 14 M OrderNo.: 2307627

Dear Kate Kaufman:

Hall Environmental Analysis Laboratory received 1 sample(s) on 7/14/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2307627

Date Reported: 7/21/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Hilcorp Energy Client Sample ID: Hare #14M Influent **Project:** Hare 14 M **Collection Date:** 7/13/2023 2:45:00 PM 2307627-001 Lab ID: Matrix: AIR Received Date: 7/14/2023 6:30:00 AM

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|----------------------------------|--------|--------|------------|----|----------------------|--------|
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : CCM |
| Gasoline Range Organics (GRO) | 4500 | 250 | μg/L | 1 | 7/14/2023 2:39:00 PM | G98239 |
| Surr: BFB | 98.0 | 70-130 | %Rec | 1 | 7/14/2023 2:39:00 PM | G98239 |
| EPA METHOD 8260B: VOLATILES | | | | | Analyst | : CCM |
| Benzene | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Toluene | 120 | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Ethylbenzene | 11 | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Methyl tert-butyl ether (MTBE) | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,2,4-Trimethylbenzene | 6.1 | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,3,5-Trimethylbenzene | 6.5 | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,2-Dichloroethane (EDC) | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Naphthalene | ND | 10 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1-Methylnaphthalene | ND | 20 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 2-Methylnaphthalene | ND | 20 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Acetone | ND | 50 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Bromobenzene | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Bromodichloromethane | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Bromoform | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Bromomethane | ND | 10 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 2-Butanone | ND | 50 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Carbon disulfide | ND | 50 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Carbon tetrachloride | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Chlorobenzene | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Chloroethane | ND | 10 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Chloroform | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Chloromethane | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 2-Chlorotoluene | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 4-Chlorotoluene | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| cis-1,2-DCE | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| cis-1,3-Dichloropropene | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,2-Dibromo-3-chloropropane | ND | 10 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Dibromochloromethane | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Dibromomethane | ND | 10 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,2-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,3-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,4-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Dichlorodifluoromethane | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,1-Dichloroethane | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,1-Dichloroethene | ND | 5.0 | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- RL Reporting Limit

Sample pH Not In Range Page 1 of 5

Analytical Report

Lab Order 2307627

Date Reported: 7/21/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Hilcorp Energy

Client Sample ID: Hare #14M Influent

Project: Hare 14 M

Collection Date: 7/13/2023 2:45:00 PM

Lab ID: 2307627-001 **Matrix:** AIR **Received Date:** 7/14/2023 6:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|-----------------------------|--------|--------|------|-------|----|----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | | Analys | t: CCM |
| 1,2-Dichloropropane | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,3-Dichloropropane | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 2,2-Dichloropropane | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,1-Dichloropropene | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Hexachlorobutadiene | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 2-Hexanone | ND | 50 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Isopropylbenzene | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 4-Isopropyltoluene | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 4-Methyl-2-pentanone | ND | 50 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Methylene chloride | ND | 15 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| n-Butylbenzene | ND | 15 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| n-Propylbenzene | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| sec-Butylbenzene | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Styrene | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| tert-Butylbenzene | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Tetrachloroethene (PCE) | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| trans-1,2-DCE | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| trans-1,3-Dichloropropene | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,2,4-Trichlorobenzene | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,1,1-Trichloroethane | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,1,2-Trichloroethane | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Trichloroethene (TCE) | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Trichlorofluoromethane | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| 1,2,3-Trichloropropane | ND | 10 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Vinyl chloride | ND | 5.0 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Xylenes, Total | 140 | 7.5 | | μg/L | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Surr: Dibromofluoromethane | 103 | 70-130 | | %Rec | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Surr: 1,2-Dichloroethane-d4 | 101 | 70-130 | | %Rec | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Surr: Toluene-d8 | 132 | 70-130 | S | %Rec | 50 | 7/14/2023 2:39:00 PM | R98239 |
| Surr: 4-Bromofluorobenzene | 118 | 70-130 | | %Rec | 50 | 7/14/2023 2:39:00 PM | R98239 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

ring Limit Page 2 of 5

ANALYTICAL SUMMARY REPORT

July 20, 2023

Hall Environmental 4901 Hawkins St NE Ste D Albuquerque, NM 87109-4372

Work Order:

B23071209

Quote ID: B15626

Project Name:

Not Indicated

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 7/18/2023 for analysis.

| Lab ID | Client Sample ID | Collect Date Receive Date | e Matrix | Test |
|---------------|-------------------------------------|---------------------------|----------|---|
| B23071209-001 | 2307627-001B, Hare #14M Influent | 07/13/23 14:45 07/18/23 | Air | Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60 |

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, 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:

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated
Lab ID: B23071209-001

Client Sample ID: 2307627-001B, Hare #14M Influent

Report Date: 07/20/23

Collection Date: 07/13/23 14:45

DateReceived: 07/18/23

Matrix: Air

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|-------|------------|-------|-------------|-------------|----------------------|
| GAS CHROMATOGRAPHY ANALYSIS | REPORT | | | | | | |
| Oxygen | 21.64 | Mol % | | 0.01 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| Nitrogen | 77.90 | Mol % | | 0.01 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| Carbon Dioxide | 0.28 | Mol % | | 0.01 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| Hydrogen Sulfide | <0.01 | Mol % | | 0.01 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| Methane | <0.01 | Mol % | | 0.01 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| Ethane | <0.01 | Mol % | | 0.01 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| Propane | <0.01 | Mol % | | 0.01 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| Isobutane | <0.01 | Mol % | | 0.01 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| n-Butane | <0.01 | Mol % | | 0.01 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| sopentane | <0.01 | Mol % | | 0.01 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| n-Pentane | <0.01 | Mol % | | 0.01 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| Hexanes plus | 0.18 | Mol % | | 0.01 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| Propane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| sobutane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| n-Butane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| sopentane | | gpm | | 0.001 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| n-Pentane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| Hexanes plus | 0.076 | gpm | | 0.001 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| GPM Total | 0.076 | gpm | | 0.001 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| GPM Pentanes plus | 0.076 | gpm | | 0.001 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| CALCULATED PROPERTIES | | | | | | | |
| Gross BTU per cu ft @ Std Cond. (HHV) | 9 | | | 1 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| Net BTU per cu ft @ std cond. (LHV) | 8 | | | 1 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| Pseudo-critical Pressure, psia | 546 | | | 1 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| Pseudo-critical Temperature, deg R | 241 | | | 1 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| Specific Gravity @ 60/60F | 1.00 | | | 0.001 | | D3588-81 | 07/19/23 10:40 / ikc |
| Air, % - The analysis was not corrected for air. | 98.86 | | | 0.01 | | GPA 2261-95 | 07/19/23 10:40 / ikc |
| | | | | | | | |

- BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.

COMMENTS

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

07/19/23 10:40 / ikc

⁻ GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.

⁻ To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.

⁻ Standard conditions: 60 F & 14.73 psi on a dry basis.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental Work Order: B23071209 Report Date: 07/20/23

| Analyte | | Count | Result | Units | RL | %REC I | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-----------|-------------------|--------|-------------|--------------|------|--------|-----------|-------------|-----|----------|-----------|
| Method: | GPA 2261-95 | | | | | | | | | Batch: | R405676 |
| Lab ID: | B23071208-001ADUP | 12 Sar | nple Duplic | ate | | F | Run: GCNG | A-B_230719A | | 07/19/ | /23 10:05 |
| Oxygen | | | 21.4 | Mol % | 0.01 | | | | 0.1 | 20 | |
| Nitrogen | | | 77.5 | Mol % | 0.01 | | | | 0 | 20 | |
| Carbon D | Dioxide | | 0.48 | Mol % | 0.01 | | | | 2.1 | 20 | |
| Hydroger | Sulfide | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Methane | | | 0.01 | Mol % | 0.01 | | | | | 20 | |
| Ethane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Propane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Isobutane | e | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| n-Butane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Isopentar | ne | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| n-Pentan | е | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Hexanes | plus | | 0.65 | Mol % | 0.01 | | | | 6.0 | 20 | |
| Lab ID: | LCS071923 | 11 Lab | oratory Cor | ntrol Sample | | F | Run: GCNG | A-B_230719A | | 07/19/ | /23 15:40 |
| Oxygen | | | 0.60 | Mol % | 0.01 | 120 | 70 | 130 | | | |
| Nitrogen | | | 5.99 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Carbon D | Dioxide | | 1.00 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| Methane | | | 74.4 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| Ethane | | | 6.04 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| Propane | | | 5.27 | Mol % | 0.01 | 107 | 70 | 130 | | | |
| Isobutane | e | | 1.99 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| n-Butane | | | 1.99 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| Isopentar | ne | | 1.00 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| n-Pentan | е | | 1.01 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| Hexanes | plus | | 0.75 | Mol % | 0.01 | 94 | 70 | 130 | | | |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Trust our People. Trust our Data. www.energylab.com Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Work Order Receipt Checklist

Hall Environmental

Login completed by: Leslie S. Cadreau

B23071209

Date Received: 7/18/2023

| _og cop.o.co | | | | |
|---|---------------------------------|---------------|------|------------------------|
| Reviewed by: | gmccartney | | Red | ceived by: lel |
| Reviewed Date: | 7/19/2023 | | Carı | rier name: FedEx |
| Shipping container/cooler in | good condition? | Yes √ | No 🗌 | Not Present |
| Custody seals intact on all s | hipping container(s)/cooler(s)? | Yes 🗸 | No 🗌 | Not Present |
| Custody seals intact on all s | ample bottles? | Yes | No 🗌 | Not Present ✓ |
| Chain of custody present? | | Yes 🗸 | No 🗌 | |
| Chain of custody signed who | en relinquished and received? | Yes 🗸 | No 🗌 | |
| Chain of custody agrees with | h sample labels? | Yes 🗸 | No 🗌 | |
| Samples in proper container | /bottle? | Yes 🗸 | No 🗌 | |
| Sample containers intact? | | Yes 🗸 | No 🗌 | |
| Sufficient sample volume for | r indicated test? | Yes 🗸 | No 🗌 | |
| All samples received within I (Exclude analyses that are c such as pH, DO, Res CI, Su | considered field parameters | Yes 🗸 | No 🗌 | |
| Temp Blank received in all s | hipping container(s)/cooler(s)? | Yes | No 🗹 | Not Applicable |
| Container/Temp Blank temp | erature: | 22.6°C No Ice | | |
| Containers requiring zero he bubble that is <6mm (1/4"). | eadspace have no headspace or | Yes | No 🗌 | No VOA vials submitted |
| Water - pH acceptable upon | receipt? | Yes | No 🗌 | Not Applicable 🗸 |
| | | | | |

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.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None

Attempt to Cool?

Temp of samples

Date 7/18/23 Time 09'20

3rd BD

2nd BD

Next BD

RUSH

Standard

TATE

Received By.

Date:

Received By

Time.

Relinquished By

Time.

Date:

FOR LAB USE ONLY

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

CHAIN OF CUSTODY RECORD PAGE: 1 OF 1

Hall Environmental Analysis Laboratory

4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

| ADDRESS: 1120 South 27th Street CITY. STATE, ZIP Billings, MT 59107 | Energy Laboratories | ies | ACCOUNT # | (406) 869-6253 | EMAIL | (406) 252-6069 |
|---|---------------------|-------------|--------------------|--|-----------------------|---------------------|
| TEM SAMPLE CLIENT SAMPLE ID | ВОТТЕ ТУРЕ | BOTTLE CO | COLLECTION DATE | # CONTAINERS | NALYTICAL | ANALYTICAL COMMENTS |
| 1 2307627-001B Hare #14M Influent | TEDLAR | Air 7/13/20 | 23 2:45:00 PM | 7/13/2023 2:45:00 PM 1 **5 DAY TAT** Natural Gas Analysis 02,CO2 | ıl Gas Analysis 02,CC | L02119629 2 |

ONLINE REPORT TRANSMITTAL DESIRED: EMAIL Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you. FAX HARDCOPY (extra cost) Time Date. Received By 7:04 AM 7/14/2023 Date SPECIAL INSTRUCTIONS / COMMENTS:

Hall Environmental Analysis Laboratory, Inc.

2307627 21-Jul-23

WO#:

Client: Hilcorp Energy
Project: Hare 14 M

Sample ID: 2307627-001adup SampType: DUP TestCode: EPA Method 8260B: Volatiles

Client ID: Hare #14M Influent Batch ID: R98239 RunNo: 98239

Prep Date: Analysis Date: 7/14/2023 SeqNo: 3575442 Units: µg/L

| Prep Date: | Analysis D | Date: 7/ | 14/2023 | ٤ | SeqNo: 35 | 575442 | Units: µg/L | | | |
|--------------------------------|------------|-----------------|-----------|-------------|-----------|----------|-------------|-------|----------|------|
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 5.0 | | | | | | 0 | 20 | |
| Toluene | 120 | 5.0 | | | | | | 3.59 | 20 | |
| Ethylbenzene | 11 | 5.0 | | | | | | 3.34 | 20 | |
| Methyl tert-butyl ether (MTBE) | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2,4-Trimethylbenzene | 6.2 | 5.0 | | | | | | 0.488 | 20 | |
| 1,3,5-Trimethylbenzene | 6.6 | 5.0 | | | | | | 1.69 | 20 | |
| 1,2-Dichloroethane (EDC) | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | | | | | | 0 | 20 | |
| Naphthalene | ND | 10 | | | | | | 0 | 20 | |
| 1-Methylnaphthalene | ND | 20 | | | | | | 0 | 20 | |
| 2-Methylnaphthalene | ND | 20 | | | | | | 0 | 20 | |
| Acetone | ND | 50 | | | | | | 0 | 20 | |
| Bromobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| Bromodichloromethane | ND | 5.0 | | | | | | 0 | 20 | |
| Bromoform | ND | 5.0 | | | | | | 0 | 20 | |
| Bromomethane | ND | 10 | | | | | | 0 | 20 | |
| 2-Butanone | ND | 50 | | | | | | 0 | 20 | |
| Carbon disulfide | ND | 50 | | | | | | 0 | 20 | |
| Carbon tetrachloride | ND | 5.0 | | | | | | 0 | 20 | |
| Chlorobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| Chloroethane | ND | 10 | | | | | | 0 | 20 | |
| Chloroform | ND | 5.0 | | | | | | 0 | 20 | |
| Chloromethane | ND | 5.0 | | | | | | 0 | 20 | |
| 2-Chlorotoluene | ND | 5.0 | | | | | | 0 | 20 | |
| 4-Chlorotoluene | ND | 5.0 | | | | | | 0 | 20 | |
| cis-1,2-DCE | ND | 5.0 | | | | | | 0 | 20 | |
| cis-1,3-Dichloropropene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | | | | | | 0 | 20 | |
| Dibromochloromethane | ND | 5.0 | | | | | | 0 | 20 | |
| Dibromomethane | ND | 10 | | | | | | 0 | 20 | |
| 1,2-Dichlorobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,3-Dichlorobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,4-Dichlorobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| Dichlorodifluoromethane | ND | 5.0 | | | | | | 0 | 20 | |
| 1,1-Dichloroethane | ND | 5.0 | | | | | | 0 | 20 | |
| 1,1-Dichloroethene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2-Dichloropropane | ND | 5.0 | | | | | | 0 | 20 | |
| 1,3-Dichloropropane | ND | 5.0 | | | | | | 0 | 20 | |
| 2,2-Dichloropropane | ND | 5.0 | | | | | | 0 | 20 | |
| | | | | | | | | | | |

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

SampType: DUP

2307627 21-Jul-23

WO#:

Client: Hilcorp Energy
Project: Hare 14 M

Sample ID: 2307627-001adup

Client ID: Hare #14M Influent Batch ID: R98239 RunNo: 98239

| Chork is: Haic #14M Illia | one Date | | 0200 | | turii (0. 3 (| 0200 | | | | |
|-----------------------------|------------|-----------------|-----------|-------------|----------------------|----------|-------------|------|----------|------|
| Prep Date: | Analysis [| Date: 7/ | 14/2023 | ; | SeqNo: 3 | 575442 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| 1,1-Dichloropropene | ND | 5.0 | | | | | | 0 | 20 | |
| Hexachlorobutadiene | ND | 5.0 | | | | | | 0 | 20 | |
| 2-Hexanone | ND | 50 | | | | | | 0 | 20 | |
| Isopropylbenzene | ND | 5.0 | | | | | | 0 | 20 | |
| 4-Isopropyltoluene | ND | 5.0 | | | | | | 0 | 20 | |
| 4-Methyl-2-pentanone | ND | 50 | | | | | | 0 | 20 | |
| Methylene chloride | ND | 15 | | | | | | 0 | 20 | |
| n-Butylbenzene | ND | 15 | | | | | | 0 | 20 | |
| n-Propylbenzene | ND | 5.0 | | | | | | 0 | 20 | |
| sec-Butylbenzene | ND | 5.0 | | | | | | 0 | 20 | |
| Styrene | ND | 5.0 | | | | | | 0 | 20 | |
| tert-Butylbenzene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | | | | | | 0 | 20 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | | | | | | 0 | 20 | |
| Tetrachloroethene (PCE) | ND | 5.0 | | | | | | 0 | 20 | |
| trans-1,2-DCE | ND | 5.0 | | | | | | 0 | 20 | |
| trans-1,3-Dichloropropene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,1,1-Trichloroethane | ND | 5.0 | | | | | | 0 | 20 | |
| 1,1,2-Trichloroethane | ND | 5.0 | | | | | | 0 | 20 | |
| Trichloroethene (TCE) | ND | 5.0 | | | | | | 0 | 20 | |
| Trichlorofluoromethane | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2,3-Trichloropropane | ND | 10 | | | | | | 0 | 20 | |
| Vinyl chloride | ND | 5.0 | | | | | | 0 | 20 | |
| Xylenes, Total | 140 | 7.5 | | | | | | 2.70 | 20 | |
| Surr: Dibromofluoromethane | 50 | | 50.00 | | 101 | 70 | 130 | 0 | 0 | |
| Surr: 1,2-Dichloroethane-d4 | 47 | | 50.00 | | 94.3 | 70 | 130 | 0 | 0 | |
| Surr: Toluene-d8 | 66 | | 50.00 | | 133 | 70 | 130 | 0 | 0 | S |
| Surr: 4-Bromofluorobenzene | 59 | | 50.00 | | 118 | 70 | 130 | 0 | 0 | |
| | | | | | | | | | | |

TestCode: EPA Method 8260B: Volatiles

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

2307627 21-Jul-23

WO#:

Client: Hilcorp Energy
Project: Hare 14 M

Sample ID: 2307627-001adup SampType: DUP TestCode: EPA Method 8015D: Gasoline Range

Client ID: Hare #14M Influent Batch ID: G98239 RunNo: 98239

Prep Date: Analysis Date: 7/14/2023 SeqNo: 3578703 Units: μg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 4600 Gasoline Range Organics (GRO) 250 2.87 20 Surr: BFB 48000 50000 96.4 70 130 0 0

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 5 of 5

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque. NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

| Client Name: Hilcorp Energy Work Order Numb | per: 2307627 | | RcptNo | : 1 |
|--|-------------------|---------------|-----------------------------------|-----------------------|
| Received By: Tracy Casarrubias 7/14/2023 6:30:00 A | AM | | | |
| Completed By: Tracy Casarrubias 7/14/2023 6:54:36 A | λM | | | |
| Reviewed By: 7.14-23 | | | | |
| | | | | |
| Chain of Custody | | | | |
| 1. Is Chain of Custody complete? | Yes 🗌 | No 🔽 | Not Present | |
| 2 How was the sample delivered? | Courier | | | |
| Lanta | | | | |
| Log In 3. Was an attempt made to cool the samples? | Yes 🗌 | No 🗌 | NA 🗹 | |
| the same and the s | .00 🗀 | | | |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes 🗌 | No 🗌 | NA 🗹 | |
| 5. Sample(s) in proper container(s)? | Yes 🗹 | No 🗌 | | |
| 6. Sufficient sample volume for indicated test(s)? | Yes 🗹 | No 🗌 | | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes 🗹 | No 🗌 | | |
| 8. Was preservative added to bottles? | Yes 🗌 | No 🗹 | NA 🗌 | |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes 🗌 | No 🗌 | NA 🗹 | |
| Were any sample containers received broken? | Yes | No 🗸 | | |
| | | | # of preserved bottles checked | |
| 1. Does paperwork match bottle labels? | Yes 🗹 | No 🗌 | for pH: | or >12 unless noted) |
| (Note discrepancies on chain of custody) 2. Are matrices correctly identified on Chain of Custody? | Yes 🔽 | No 🗌 | Adjusted? | it > 12 unless noted) |
| 3. Is it clear what analyses were requested? | Yes ✓ | No 🗆 | | 1 1 |
| 4. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes 🗹 | No 🗌 | checked by: | JN7/14/23 |
| Special Handling (if applicable) | | | | |
| 15. Was client notified of all discrepancies with this order? | Yes 🗌 | No 🗌 | NA 🗹 | |
| Person Notified: Date: | | | | |
| By Whom: Via: | , | Phone Fax | In Person | |
| Regarding: | | | | |
| Client Instructions: Mailing address.phone number, and En | nail/Fax are miss | ing on COC-TM | IC 7/14/23 | |
| 16. Additional remarks: | | | | |
| 17 Cooler Information | | | | |
| Cooler No Temp °C Condition Seal Intact Seal No | Seal Date | Signed By | | |
| 1 N/A Good Yes | | | | |
| | Seal Date | Signed By | | |
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| Page 1 of 1 | | | | |
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| | α. | www.hallenvironmental.com | 4901 Hawkins NE - Albuquerque, NM 87109 | Tel. 505-345-3975 Fax 505-345-4107 | Analysis Requ | WEO) | IIS0728 | O OU O OU | aticic sthod 1831 Mets 7, NC AC | TEX / DB (Me Br. | 88 28 38 38 38 38 38 38 38 38 38 38 38 38 38 | | | | | | | 3 / 20 CC: ZMyCS @ ENSOVIM. CON | Time | If necessary, samples supplied to 1915 Supplied to the analytical to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report |
|-------------------------|-----------------------------|---------------------------|---|------------------------------------|-----------------------|----------------------|------------------------|--|--|--|--|--|-----|-----|--|--|------------------------|---------------------------------|-------------------------------|---|
| Turn-Around Time: | Standard D Rush | Project Name: | 1 | | Project Manager C 1 | Shyde @ ensolow .com | 5 | lers: | Cooler Temp(Including CF): N/R | Container Preservative HEAL No | | | 4.5 | 3 7 | | | Recaived hv: Vis- | 10 | Received by: Via: County Date | tracted to other accredited laboratories. This serve |
| Chain-of-Custody Record | Client: Hlong, Kate Koutman | Kanthran (2 h.) exp. com | | Phone #: | email or Fax#: | зде: | ☐ Az Compliance☐ Other | | | Time Matrix Sample Name | Phent | | | | | | Time: Relinquished by: | 23 1600 Jul 1 | 1810 Relinquished by: | Released to Imaging 1934 1949 1949 Sallgay ental may be subcont |



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

August 10, 2023

Kate Kaufman HILCORP ENERGY PO Box 4700 Farmington, NM 87499

TEL: (505) 564-0733

FAX:

RE: Hare 14M OrderNo.: 2307D96

Dear Kate Kaufman:

Hall Environmental Analysis Laboratory received 1 sample(s) on 7/28/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2307D96

Date Reported: 8/10/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: Hare #14M Influent **Project:** Hare 14M **Collection Date:** 7/27/2023 11:35:00 AM Lab ID: 2307D96-001 Matrix: AIR Received Date: 7/28/2023 7:00:00 AM

| Analyses | Result | RL Qua | al Units | DF | Date Analyzed |
|--------------------------------|--------|--------|----------|----|---------------------|
| EPA METHOD 8260B: VOLATILES | | | | | Analyst: CCM |
| Benzene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Toluene | 62 | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Ethylbenzene | 5.7 | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Methyl tert-butyl ether (MTBE) | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,3,5-Trimethylbenzene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,2-Dichloroethane (EDC) | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Naphthalene | ND | 10 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1-Methylnaphthalene | ND | 20 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 2-Methylnaphthalene | ND | 20 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Acetone | ND | 50 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Bromobenzene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Bromodichloromethane | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Bromoform | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Bromomethane | ND | 10 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 2-Butanone | ND | 50 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Carbon disulfide | ND | 50 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Carbon tetrachloride | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Chlorobenzene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Chloroethane | ND | 10 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Chloroform | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Chloromethane | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 2-Chlorotoluene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 4-Chlorotoluene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| cis-1,2-DCE | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| cis-1,3-Dichloropropene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 10 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Dibromochloromethane | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Dibromomethane | ND | 10 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,2-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,3-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,4-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Dichlorodifluoromethane | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,1-Dichloroethane | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,1-Dichloroethene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,2-Dichloropropane | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,3-Dichloropropane | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 2,2-Dichloropropane | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Ε Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RLReporting Limit

Page 1 of 5

Analytical ReportLab Order **2307D96**

Date Reported: 8/10/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY
Client Sample ID: Hare #14M Influent
Collection Date: 7/27/2023 11:35:00 AM
Lab ID: 2307D96-001
Matrix: AIR
Received Date: 7/28/2023 7:00:00 AM

| Analyses | Result | RL Qu | ıal Units | DF | Date Analyzed |
|----------------------------------|--------|--------|-----------|----|---------------------|
| EPA METHOD 8260B: VOLATILES | | | | | Analyst: CCM |
| 1,1-Dichloropropene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Hexachlorobutadiene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 2-Hexanone | ND | 50 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Isopropylbenzene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 4-Isopropyltoluene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 4-Methyl-2-pentanone | ND | 50 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Methylene chloride | ND | 15 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| n-Butylbenzene | ND | 15 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| n-Propylbenzene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| sec-Butylbenzene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Styrene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| tert-Butylbenzene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Tetrachloroethene (PCE) | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| trans-1,2-DCE | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| trans-1,3-Dichloropropene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,2,3-Trichlorobenzene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,2,4-Trichlorobenzene | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,1,1-Trichloroethane | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,1,2-Trichloroethane | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Trichloroethene (TCE) | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Trichlorofluoromethane | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| 1,2,3-Trichloropropane | ND | 10 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Vinyl chloride | ND | 5.0 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Xylenes, Total | 73 | 7.5 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Surr: Dibromofluoromethane | 108 | 70-130 | %Rec | 50 | 8/2/2023 1:13:00 PM |
| Surr: 1,2-Dichloroethane-d4 | 109 | 70-130 | %Rec | 50 | 8/2/2023 1:13:00 PM |
| Surr: Toluene-d8 | 126 | 70-130 | %Rec | 50 | 8/2/2023 1:13:00 PM |
| Surr: 4-Bromofluorobenzene | 127 | 70-130 | %Rec | 50 | 8/2/2023 1:13:00 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: CCM |
| Gasoline Range Organics (GRO) | 2700 | 250 | μg/L | 50 | 8/2/2023 1:13:00 PM |
| Surr: BFB | 91.8 | 70-130 | %Rec | 50 | 8/2/2023 1:13:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

oporting Limit

ANALYTICAL SUMMARY REPORT

August 09, 2023

Hall Environmental 4901 Hawkins St NE Ste D Albuquerque, NM 87109-4372

Work Order:

B23080297

Quote ID: B15626

Project Name:

Not Indicated

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 8/2/2023 for analysis.

| Lab ID | Client Sample ID | Collect Date Receive Dat | e Matrix | Test |
|---------------|-------------------------------------|--------------------------|----------|---|
| B23080297-001 | 2307D96-001B, Hare #14M Influent | 07/27/23 11:35 | Air | Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60 |

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, 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:

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated
Lab ID: B23080297-001

DateReceived: 08/02/23

Report Date: 08/09/23

Collection Date: 07/27/23 11:35

Client Sample ID: 2307D96-001B, Hare #14M Influent Matrix: Air

| Analyses | Result U | Jnits Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|-----------|------------------|-------|-------------|-------------|----------------------|
| GAS CHROMATOGRAPHY ANALYSIS | REPORT | | | | | |
| Oxygen | 21.70 M | /lol % | 0.01 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| Nitrogen | 77.92 M | /lol % | 0.01 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| Carbon Dioxide | 0.22 N | /lol % | 0.01 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| Hydrogen Sulfide | <0.01 N | /lol % | 0.01 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| Methane | <0.01 N | /lol % | 0.01 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| Ethane | <0.01 N | /lol % | 0.01 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| Propane | <0.01 N | /lol % | 0.01 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| Isobutane | <0.01 N | /lol % | 0.01 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| n-Butane | <0.01 N | | 0.01 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| Isopentane | <0.01 N | /lol % | 0.01 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| n-Pentane | <0.01 N | /lol % | 0.01 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| Hexanes plus | 0.16 M | /lol % | 0.01 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| Propane | < 0.001 g | ıpm | 0.001 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| Isobutane | < 0.001 g | ıpm | 0.001 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| n-Butane | < 0.001 g | ıpm | 0.001 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| Isopentane | < 0.001 g | ıpm | 0.001 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| n-Pentane | < 0.001 g | ıpm | 0.001 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| Hexanes plus | 0.067 g | ıpm | 0.001 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| GPM Total | 0.067 g | | 0.001 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| GPM Pentanes plus | 0.067 g | ıpm | 0.001 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| CALCULATED PROPERTIES | | | | | | |
| Gross BTU per cu ft @ Std Cond. (HHV) | 8 | | 1 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| Net BTU per cu ft @ std cond. (LHV) | 7 | | 1 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| Pseudo-critical Pressure, psia | 546 | | 1 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| Pseudo-critical Temperature, deg R | 240 | | 1 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| Specific Gravity @ 60/60F | 1.00 | | 0.001 | | D3588-81 | 08/03/23 10:26 / jrj |
| Air, % - The analysis was not corrected for air. | 99.15 | | 0.01 | | GPA 2261-95 | 08/03/23 10:26 / jrj |
| COMMENTS | | | | | | |

COMMENTS

08/03/23 10:26 / jrj

Report RL - Analyte Reporting Limit

MCL - Maximum Contaminant Level

Definitions: QCL - Quality Control Limit

ND - Not detected at the Reporting Limit (RL)

⁻ BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.

⁻ GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.

⁻ To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.

⁻ Standard conditions: 60 F & 14.73 psi on a dry basis.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental Work Order: B23080297 Report Date: 08/09/23

| Analyte | | Count | Result | Units | RL | %REC L | ow Limit | High Limit | RPD | RPDLimit | Qual |
|-----------|-------------------|--------|-------------|--------------|------|--------|-----------|-------------|-----|----------|----------|
| Method: | GPA 2261-95 | | | | | | | | | Batch: | R406457 |
| Lab ID: | B23080296-001ADUP | 12 Sar | mple Duplic | ate | | F | Run: GCNG | A-B_230803A | | 08/03/ | 23 10:00 |
| Oxygen | | | 21.0 | Mol % | 0.01 | | | | 0.1 | 20 | |
| Nitrogen | | | 77.4 | Mol % | 0.01 | | | | 0.1 | 20 | |
| Carbon Di | ioxide | | 0.72 | Mol % | 0.01 | | | | 0.0 | 20 | |
| Hydrogen | Sulfide | | <0.01 | Mol % | 0.01 | | | | | 20 | |
| Methane | | | 0.01 | Mol % | 0.01 | | | | | 20 | |
| Ethane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Propane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Isobutane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| n-Butane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Isopentan | е | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| n-Pentane |) | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Hexanes p | olus | | 0.97 | Mol % | 0.01 | | | | 6.4 | 20 | |
| Lab ID: | LCS080323 | 11 Lab | oratory Cor | ntrol Sample | | F | Run: GCNG | A-B_230803A | | 08/03/ | 23 12:42 |
| Oxygen | | | 0.59 | Mol % | 0.01 | 118 | 70 | 130 | | | |
| Nitrogen | | | 5.92 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| Carbon Di | ioxide | | 1.01 | Mol % | 0.01 | 102 | 70 | 130 | | | |
| Methane | | | 74.3 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| Ethane | | | 6.07 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| Propane | | | 5.16 | Mol % | 0.01 | 105 | 70 | 130 | | | |
| Isobutane | | | 2.02 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| n-Butane | | | 2.03 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| Isopentan | е | | 1.03 | Mol % | 0.01 | 103 | 70 | 130 | | | |
| n-Pentane | • | | 1.04 | Mol % | 0.01 | 104 | 70 | 130 | | | |
| Hexanes p | olus | | 0.82 | Mol % | 0.01 | 103 | 70 | 130 | | | |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Trust our People. Trust our Data. www.energylab.com Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Work Order Receipt Checklist

Hall Environmental

Login completed by: Leslie S. Cadreau

B23080297

Date Received: 8/2/2023

| Reviewed by: | gmccartney | | Re | ceived by: yes |
|---|---------------------------------|---------------|------|------------------------|
| Reviewed Date: | 8/4/2023 | | Car | rier name: FedEx |
| Shipping container/cooler in | good condition? | Yes ✓ | No 🗌 | Not Present |
| Custody seals intact on all s | hipping container(s)/cooler(s)? | Yes ✓ | No 🗌 | Not Present |
| Custody seals intact on all s | ample bottles? | Yes | No 🗌 | Not Present 🗸 |
| Chain of custody present? | | Yes ✓ | No 🗌 | |
| Chain of custody signed wh | en relinquished and received? | Yes √ | No 🗌 | |
| Chain of custody agrees wit | h sample labels? | Yes √ | No 🗌 | |
| Samples in proper container | /bottle? | Yes √ | No 🗌 | |
| Sample containers intact? | | Yes √ | No 🗌 | |
| Sufficient sample volume for | r indicated test? | Yes ✓ | No 🗌 | |
| All samples received within (Exclude analyses that are c such as pH, DO, Res Cl, Su | considered field parameters | Yes 🔽 | No 🗌 | |
| Temp Blank received in all s | hipping container(s)/cooler(s)? | Yes | No 🗸 | Not Applicable |
| Container/Temp Blank temp | erature: | 23.4°C No Ice | | |
| Containers requiring zero he bubble that is <6mm (1/4"). | eadspace have no headspace or | Yes | No 🗌 | No VOA vials submitted |
| Water - pH acceptable upon | receipt? | Yes 🗌 | No 🗌 | Not Applicable 🗹 |
| | | | | |

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.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD PAGE 1 OF 1

Hall Environmental Analysis Laboratory
4901 Hawkins NE
4901 Hawkins NE
4901 Hawkins NE
7EL: 505-345-3975
Website: www.hallenvironmental.com

| and the state of the same of the same | | | | | | | | | |
|---------------------------------------|-------------------------------------|---------|---------------------|-------------|-----------------------|---|-----------------------|----------------|---|
| SUBCONTRATOR | SUBCONTRATOR Energy Labs - Billings | COMPANY | Energy Laboratories | ies | PHONE | (406) 869-6253 | FAX | 0909 252 (900) | |
| ADDRESS | 1120 South 27th Street | | | | ACCOUNT # | (00) | EMAIL | 6000-757 | |
| CITY, STATE, ZIP. | CITY, STATE, ZIP Billings, MT 59107 | | | | | | | | |
| 1 | | | ROTTI | | COLTECTION | #CONTA | | | |
| ITEM SAMPLE | APLE CLIENT SAMPLE ID | EID | TYPE | TYPE MATRIX | DATE | Ner. | ANALYTICAL COMMENTS | OMMENTS | |
| 1 2307D9(| 2307D96-001B Hare #14M Influent | | TEDLAR | Air 7 | 7/27/2023 11:35:00 AM | 7/27/2023 11:35:00 AM 1 **5 DAY TAT** Natural Gas Analysis- CO2 +02 | Gas Analysis- CO2 +02 | CP10805781 | 1 |
| | | | | | | | | | |

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you. SPECIAL INSTRUCTIONS / COMMENTS:

| Relinquished By: | Date. 7/28/2023 | me: 8:59 AM | Received By | Date. | Time | REPORT | REPORT TRANSMITTAL DESIRED: | DESIRED: | |
|------------------|-----------------|-------------|---------------------------------|-------------|--------|-----------------------|-----------------------------|------------------|--------|
| Relinquished By. | Date: | Time. | Received By. | Date | Time | HARDCOPY (extra cost) | EAX | EMAIL | ONLINE |
| Relinquished By. | Date: | Time | Received from Se 1 | Cr Jaso 100 | TOPPOS | Œ. | FOR LAB USE ONLY | Y. | |
| TAT | Standard | (8) | Nine Br. Nach Br. Selles (M.C.) | 2/10 | SE | Temp of samples | С Апс | Attempt to Cool? | |
| | | Jugar | | ord BD | | Comments. | | | |
| | | | | | | | | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307D96

10-Aug-23

Client: HILCORP ENERGY

Project: Hare 14M

Sample ID: 2307D96-001adup SampType: DUP TestCode: EPA Method 8260B: Volatiles

Client ID: Hare #14M Influent Batch ID: R98656 RunNo: 98656

Pron Date: Analysis Date: 8/2/2023 SeaNo: 3593823 Unite: ua/I

| Prep Date: | Analysis D | Date: 8/ 2 | 2/2023 | ٤ | SeqNo: 35 | 593823 | Units: µg/L | | | |
|--------------------------------|------------|-------------------|-----------|-------------|-----------|----------|-------------|-------|----------|------|
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 5.0 | | | | | | 0 | 20 | |
| Toluene | 61 | 5.0 | | | | | | 0.681 | 20 | |
| Ethylbenzene | 5.7 | 5.0 | | | | | | 0.177 | 20 | |
| Methyl tert-butyl ether (MTBE) | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2-Dichloroethane (EDC) | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | | | | | | 0 | 20 | |
| Naphthalene | ND | 10 | | | | | | 0 | 20 | |
| 1-Methylnaphthalene | ND | 20 | | | | | | 0 | 20 | |
| 2-Methylnaphthalene | ND | 20 | | | | | | 0 | 20 | |
| Acetone | ND | 50 | | | | | | 0 | 20 | |
| Bromobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| Bromodichloromethane | ND | 5.0 | | | | | | 0 | 20 | |
| Bromoform | ND | 5.0 | | | | | | 0 | 20 | |
| Bromomethane | ND | 10 | | | | | | 0 | 20 | |
| 2-Butanone | ND | 50 | | | | | | 0 | 20 | |
| Carbon disulfide | ND | 50 | | | | | | 0 | 20 | |
| Carbon tetrachloride | ND | 5.0 | | | | | | 0 | 20 | |
| Chlorobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| Chloroethane | ND | 10 | | | | | | 0 | 20 | |
| Chloroform | ND | 5.0 | | | | | | 0 | 20 | |
| Chloromethane | ND | 5.0 | | | | | | 0 | 20 | |
| 2-Chlorotoluene | ND | 5.0 | | | | | | 0 | 20 | |
| 4-Chlorotoluene | ND | 5.0 | | | | | | 0 | 20 | |
| cis-1,2-DCE | ND | 5.0 | | | | | | 0 | 20 | |
| cis-1,3-Dichloropropene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | | | | | | 0 | 20 | |
| Dibromochloromethane | ND | 5.0 | | | | | | 0 | 20 | |
| Dibromomethane | ND | 10 | | | | | | 0 | 20 | |
| 1,2-Dichlorobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,3-Dichlorobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,4-Dichlorobenzene | ND | 5.0 | | | | | | 0 | 20 | |
| Dichlorodifluoromethane | ND | 5.0 | | | | | | 0 | 20 | |
| 1,1-Dichloroethane | ND | 5.0 | | | | | | 0 | 20 | |
| 1,1-Dichloroethene | ND | 5.0 | | | | | | 0 | 20 | |
| 1,2-Dichloropropane | ND | 5.0 | | | | | | 0 | 20 | |
| 1,3-Dichloropropane | ND | 5.0 | | | | | | 0 | 20 | |
| 2,2-Dichloropropane | ND | 5.0 | | | | | | 0 | 20 | |
| | | | | | | | | | | |

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Page 3 of 5

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

2307D96

WO#:

10-Aug-23

Client: HILCORP ENERGY

Project: Hare 14M

Sample ID: 2307D96-001adup SampType: DUP TestCode: EPA Method 8260B: Volatiles Client ID: Hare #14M Influent Batch ID: R98656 RunNo: 98656 Units: µg/L Prep Date: Analysis Date: 8/2/2023 SeqNo: 3593823 PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit 1,1-Dichloropropene ND 5.0 0 20 Hexachlorobutadiene ND 5.0 0 20 ND 2-Hexanone 50 0 20 Isopropylbenzene ND 5.0 0 20 4-Isopropyltoluene ND 5.0 0 20 ND 0 20 4-Methyl-2-pentanone 50 Methylene chloride ND 15 0 20 n-Butylbenzene ND 0 20 15 n-Propylbenzene ND 5.0 0 20 ND 0 sec-Butylbenzene 5.0 20 0 Styrene ND 5.0 20 0 tert-Butylbenzene ND 5.0 20 1,1,1,2-Tetrachloroethane ND 5.0 0 20 1,1,2,2-Tetrachloroethane ND 5.0 0 20 Tetrachloroethene (PCE) ND 0 20 5.0 trans-1,2-DCE ND 5.0 0 20 ND 0 20 trans-1,3-Dichloropropene 5.0 1,2,3-Trichlorobenzene ND 5.0 0 20 1,2,4-Trichlorobenzene ND 5.0 0 20 1,1,1-Trichloroethane ND 5.0 0 20 ND 0 1,1,2-Trichloroethane 5.0 20 0 Trichloroethene (TCE) ND 5.0 20 Trichlorofluoromethane ND 5.0 0 20 1,2,3-Trichloropropane ND 10 0 20 Vinyl chloride ND 5.0 0 20 72 7.5 1.55 20 Xylenes, Total Surr: Dibromofluoromethane 56 50.00 112 70 130 0 0 55 0 0 Surr: 1,2-Dichloroethane-d4 50.00 110 70 130 Surr: Toluene-d8 50.00 128 70 130 0 0 64 0 0

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix

Surr: 4-Bromofluorobenzene

- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.

64

50.00

В Analyte detected in the associated Method Blank

129

70

130

- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 4 of 5

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

46000

WO#: 2307D96

10-Aug-23

Client: HILCORP ENERGY

Project: Hare 14M

Surr: BFB

Sample ID: 2307D96-001adup SampType: **DUP** TestCode: EPA Method 8015D: Gasoline Range

Client ID: Hare #14M Influent Batch ID: R98656 RunNo: 98656

Prep Date: Analysis Date: 8/2/2023 SeqNo: 3597811 Units: µg/L

50000

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 2700 250 0.743 20

92.9

70

130

0

0

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Page 5 of 5

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 7/3/2024 7:42:25 AM

| Client Name: H | IILCORP ENERGY | Work Order Number | : 2307D96 | | RcptNo | : 1 |
|------------------------|---|---------------------------|------------------|------------------------------------|----------------------------|----------------------|
| Received By: | Tracy Casarrubias | 7/28/2023 7:00:00 AM | I | | | |
| Completed By: | Tracy Casarrubias | 7/28/2023 8:53:03 AM | F | | | |
| Reviewed By: | M 7-28-23 | | | | | |
| | | | | | | |
| Chain of Custo | odv | | | | | |
| 1. Is Chain of Cus | | | Yes 🗌 | No 🗹 | Not Present | |
| 2. How was the sa | | | Courier | | | |
| Log In | | | | | | |
| | t made to cool the sample | es? | Yes 🗌 | No 🗌 | NA 🗹 | |
| | | | | | | |
| 4. Were all sample | es received at a temperat | ure of >0° C to 6.0°C | Yes 🗌 | No 🗌 | NA 🗹 | |
| 5 Complete in a | onor contain = =/->0 | | V [] | No 🗌 | | |
| 5. Sample(s) in pro | oper container(s)? | | Yes 🗹 | INO L. | | |
| 6. Sufficient sample | e volume for indicated te | st(s)? | Yes 🗹 | No 🗌 | | |
| 7. Are samples (ex | cept VOA and ONG) pro | perly preserved? | Yes 🗹 | No 🗌 | | |
| 8. Was preservativ | e added to bottles? | | Yes 🗌 | No 🗹 | NA 🗆 | |
| O. Danahuad at lasa | ak di silah silah kanadan san | 44411 Fr - AQ 14QAQ | v. 🗆 | No 🗆 | NA 🗹 | |
| | st 1 vial with headspace < | | Yes 📙 | No 🗹 | INA 🖭 | |
| 10. vvere any samp | ole containers received br | oken? | Yes 📙 | NO 💌 | # of preserved | |
| 11. Does paperwork | match bottle labels? | | Yes 🗹 | No 🗌 | bottles checked for pH: | |
| | cies on chain of custody) | | 103 🖭 | | • | or >12 unless noted) |
| 12. Are matrices cor | rrectly identified on Chair | of Custody? | Yes 🗹 | No 🗌 | Adjusted? | |
| 13. Is it clear what a | analyses were requested? | ? | Yes 🗹 | No 🗌 | | -1- |
| _ | times able to be met? tomer for authorization.) | | Yes 🗹 | No 🗆 | Checked by: | 747/28 |
| - W | - 37 | | | | | |
| | ng (if applicable) | | | | $\overline{}$ | |
| 15. Was client notif | fied of all discrepancies w | vith this order? | Yes 📙 | No 📙 | NA 🗹 | |
| Person N | otified: | Date: | | THE RESERVE OF THE PERSON NAMED IN | | |
| By Whom | 1: | Via: [| eMail [] F | Phone Fax | In Person | |
| Regarding | g: | | | | | |
| Client Ins | tructions: Mailing addre | ss.phone number, and Emai | il/Fax are missi | ng on COC-TM | C 7/28/23 | |
| 16. Additional rema | arks: | | | | | |
| 17. Cooler Inform | ation | | | | | |
| Cooler No | Temp °C Condition | Seal Intact Seal No | Seal Date | Signed By | | |
| 1 | N/A Good | Yes | | | | |

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| Chain-of-Custody Record | Turn-Around Time: | HAII FNVTRONMENTAL |
|--|---|---|
| Client: Hillians / Kate Kay Aman | ☑ Standard □ Rush | ANALYSIS LABORATORY |
| kkautman@hilcorp.com Mailing Address: | F. | an a |
| | Project #: | 10 |
| Phone #: | | Analysis Request |
| email or Fax#: | Project Manager: Sturt Hyde | (O) |
| QA/QC Package: □ Standard □ Level 4 (Full Validation) | shydee ensolum.com | SO \ WE |
| Accreditation: Az Compliance Description: Az Compliance | Sampler: Zech Myers On Ice: □ Yes ☑No | 2808\z (1.40\overline{0} (1.40\overline{0} 7.8 10 8 20 8 20 10 10 10 10 |
| ype) | # of Coolers: | (GF S10 S10 (GF (GF (GF) |
| | Cooler Temp(including CF): N/R (°C) | estic Methors 8 We 8 Me 8 Me 8 Me |
| Date Time Matrix Sample Name | Container Preservative HEAL No. | BTEX / 8081 P 8081 P PAHs I RCRA CI, F, I 8270 (3 8270 (3 |
| 11:25 Air | | |
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| Date: Time: Relinquished by: | Received by: Via: Date Time | Remarks: Aburns |
| Time Refinitished by | Received by: Via: Common Date Time | (C. Chencmann@ensolom.com |
| 0/8/0 | 2/18/1 | Zmyers |
| Formulae or ihmittad to Hall Foviron | nomental may se subcontracted to other accredited laboratories. This serves as notice of this | serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. |

Released to Imaging: 7/3/2024 7:42:25 AM



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

August 25, 2023

Stuart Hyde HILCORP ENERGY PO Box 4700 Farmington, NM 87499

TEL: (505) 564-0733

FAX:

RE: Hare 14 M OrderNo.: 2308660

Dear Stuart Hyde:

Hall Environmental Analysis Laboratory received 1 sample(s) on 8/11/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

Indest

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2308660

Date Reported: 8/25/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: Influent

 Project:
 Hare 14 M
 Collection Date: 8/9/2023 1:20:00 PM

 Lab ID:
 2308660-001
 Matrix: AIR
 Received Date: 8/11/2023 6:15:00 AM

| Analyses | Result | RL Qua | al Units | DF | Date Analyzed |
|--------------------------------|--------|--------|----------|----|----------------------|
| EPA METHOD 8260B: VOLATILES | | | | | Analyst: CCM |
| Benzene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Toluene | 55 | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Ethylbenzene | 5.5 | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Methyl tert-butyl ether (MTBE) | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,3,5-Trimethylbenzene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,2-Dichloroethane (EDC) | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Naphthalene | ND | 10 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1-Methylnaphthalene | ND | 20 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 2-Methylnaphthalene | ND | 20 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Acetone | ND | 50 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Bromobenzene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Bromodichloromethane | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Bromoform | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Bromomethane | ND | 10 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 2-Butanone | ND | 50 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Carbon disulfide | ND | 50 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Carbon tetrachloride | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Chlorobenzene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Chloroethane | ND | 10 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Chloroform | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Chloromethane | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 2-Chlorotoluene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 4-Chlorotoluene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| cis-1,2-DCE | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| cis-1,3-Dichloropropene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 10 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Dibromochloromethane | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Dibromomethane | ND | 10 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,2-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,3-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,4-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Dichlorodifluoromethane | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,1-Dichloroethane | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,1-Dichloroethene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,2-Dichloropropane | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,3-Dichloropropane | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 2,2-Dichloropropane | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 2

Analytical Report Lab Order 2308660

Date Reported: 8/25/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: Influent

 Project:
 Hare 14 M
 Collection Date: 8/9/2023 1:20:00 PM

 Lab ID:
 2308660-001
 Matrix: AIR
 Received Date: 8/11/2023 6:15:00 AM

| Analyses | Result | RL Qua | al Units | DF | Date Analyzed |
|----------------------------------|--------|--------|----------|----|----------------------|
| EPA METHOD 8260B: VOLATILES | | | | | Analyst: CCM |
| 1,1-Dichloropropene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Hexachlorobutadiene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 2-Hexanone | ND | 50 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Isopropylbenzene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 4-Isopropyltoluene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 4-Methyl-2-pentanone | ND | 50 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Methylene chloride | ND | 15 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| n-Butylbenzene | ND | 15 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| n-Propylbenzene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| sec-Butylbenzene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Styrene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| tert-Butylbenzene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Tetrachloroethene (PCE) | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| trans-1,2-DCE | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| trans-1,3-Dichloropropene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,2,3-Trichlorobenzene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,2,4-Trichlorobenzene | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,1,1-Trichloroethane | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,1,2-Trichloroethane | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Trichloroethene (TCE) | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Trichlorofluoromethane | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| 1,2,3-Trichloropropane | ND | 10 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Vinyl chloride | ND | 5.0 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Xylenes, Total | 69 | 7.5 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Surr: Dibromofluoromethane | 114 | 70-130 | %Rec | 50 | 8/14/2023 1:53:00 PM |
| Surr: 1,2-Dichloroethane-d4 | 111 | 70-130 | %Rec | 50 | 8/14/2023 1:53:00 PM |
| Surr: Toluene-d8 | 122 | 70-130 | %Rec | 50 | 8/14/2023 1:53:00 PM |
| Surr: 4-Bromofluorobenzene | 123 | 70-130 | %Rec | 50 | 8/14/2023 1:53:00 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: CCM |
| Gasoline Range Organics (GRO) | 2600 | 250 | μg/L | 50 | 8/14/2023 1:53:00 PM |
| Surr: BFB | 88.3 | 70-130 | %Rec | 50 | 8/14/2023 1:53:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 2

ANALYTICAL SUMMARY REPORT

August 24, 2023

Hall Environmental 4901 Hawkins St NE Ste D Albuquerque, NM 87109-4372

Work Order:

B23081528

Quote ID: B15626

Project Name:

Not Indicated

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 8/15/2023 for analysis.

| Lab ID | Client Sample ID | Collect Date R | eceive Date | Matrix | Test |
|---------------|------------------------|----------------|-------------|--------|--|
| B23081528-001 | 2308660-001B, Influent | 08/09/23 13:20 | 08/15/23 | Air | Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist Free Natural Gas Analysis Specific Gravity @ 60/60 |

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, 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:

Gillette, WY 307.686.7175 • Helena, MT 406.442.0711



Client Sample ID: 2308660-001B, Influent

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated
Lab ID: B23081528-001

Collection Date: 08/09/23 13:20
DateReceived: 08/15/23
Matrix: Air

Report Date: 08/24/23

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|---|---------|-------|------------|-------|-------------|-------------|----------------------|
| AS CHROMATOGRAPHY ANALYSIS I | REPORT | | | | | | |
| Dxygen | _ | Mol % | | 0.01 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| Nitrogen | 77.94 | Mol % | | 0.01 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| Carbon Dioxide | 0.23 | Mol % | | 0.01 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| ydrogen Sulfide | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| ethane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| hane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| ropane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| butane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| Butane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| opentane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| Pentane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| exanes plus | 0.10 | Mol % | | 0.01 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| opane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| butane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| Butane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| opentane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| Pentane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| exanes plus | 0.042 | gpm | | 0.001 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| PM Total | 0.042 | gpm | | 0.001 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| PM Pentanes plus | 0.042 | gpm | | 0.001 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| ALCULATED PROPERTIES | | | | | | | |
| ross BTU per cu ft @ Std Cond. (HHV) | 5 | | | 1 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| et BTU per cu ft @ std cond. (LHV) | 4 | | | 1 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| seudo-critical Pressure, psia | 546 | | | 1 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| seudo-critical Temperature, deg R | 240 | | | 1 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| pecific Gravity @ 60/60F | 1.00 | | | 0.001 | | D3588-81 | 08/17/23 11:11 / jrj |
| r, % | 99.29 | | | 0.01 | | GPA 2261-95 | 08/17/23 11:11 / jrj |
| - The analysis was not corrected for air. | | | | | | | |
| OMMENTS | | | | | | | |

- BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

08/17/23 11:11 / jrj

⁻ GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.

⁻ To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.

⁻ Standard conditions: 60 F & 14.73 psi on a dry basis.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental Work Order: B23081528 Report Date: 08/24/23

| Analyte | | Count | Result | Units | RL | %REC L | _ow Limit | High Limit | RPD | RPDLimit | Qual |
|-----------|-------------------|--------|--------------|--------------|------|--------|-----------|-------------|-----|----------|----------|
| Method: | GPA 2261-95 | | | | | | | | | Batch: | R407236 |
| Lab ID: | B23081332-018ADUP | 12 Sai | mple Duplic | ate | | F | Run: GCNG | A-B_230817A | | 08/17/ | 23 10:08 |
| Oxygen | | | 14.2 | Mol % | 0.01 | | | | 0.0 | 20 | |
| Nitrogen | | | 52.5 | Mol % | 0.01 | | | | 0.2 | 20 | |
| Carbon Di | oxide | | 0.17 | Mol % | 0.01 | | | | 0.0 | 20 | |
| Hydrogen | Sulfide | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Methane | | | 30.7 | Mol % | 0.01 | | | | 0.3 | 20 | |
| Ethane | | | 1.51 | Mol % | 0.01 | | | | 0.0 | 20 | |
| Propane | | | 0.37 | Mol % | 0.01 | | | | 0.0 | 20 | |
| Isobutane | | | 0.14 | Mol % | 0.01 | | | | 0.0 | 20 | |
| n-Butane | | | 0.22 | Mol % | 0.01 | | | | 0.0 | 20 | |
| Isopentan | е | | 0.08 | Mol % | 0.01 | | | | 0.0 | 20 | |
| n-Pentane |) | | 0.05 | Mol % | 0.01 | | | | 0.0 | 20 | |
| Hexanes p | olus | | 0.08 | Mol % | 0.01 | | | | 13 | 20 | |
| Lab ID: | LCS081723 | 11 Lat | ooratory Cor | ntrol Sample | | F | Run: GCNG | A-B_230817A | | 08/17/ | 23 15:02 |
| Oxygen | | | 0.60 | Mol % | 0.01 | 120 | 70 | 130 | | | |
| Nitrogen | | | 6.04 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| Carbon Di | oxide | | 0.99 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Methane | | | 74.2 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| Ethane | | | 6.01 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Propane | | | 5.31 | Mol % | 0.01 | 108 | 70 | 130 | | | |
| Isobutane | | | 1.99 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| n-Butane | | | 2.01 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Isopentan | е | | 1.01 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| n-Pentane |) | | 1.01 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| Hexanes p | olus | | 0.78 | Mol % | 0.01 | 98 | 70 | 130 | | | |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Trust our People. Trust our Data. www.energylab.com Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Work Order Receipt Checklist

Hall Environmental

B23081528

| Login completed by: | Leslie S. Cadreau | | Date | Received: 8/15/2023 | |
|---|---------------------------------|---------------|------|------------------------|-------------------------|
| Reviewed by: | lleprowse | | Re | ceived by: lel | |
| Reviewed Date: | 8/19/2023 | | Car | rier name: FedEx | |
| Shipping container/cooler in | good condition? | Yes ✓ | No 🗌 | Not Present | |
| Custody seals intact on all s | hipping container(s)/cooler(s)? | Yes ✓ | No 🗌 | Not Present | |
| Custody seals intact on all s | ample bottles? | Yes | No 🗌 | Not Present 🗸 | |
| Chain of custody present? | | Yes ✓ | No 🗌 | | |
| Chain of custody signed who | en relinquished and received? | Yes ✓ | No 🗌 | | |
| Chain of custody agrees with | n sample labels? | Yes ✓ | No 🗌 | | |
| Samples in proper container | /bottle? | Yes ✓ | No 🗌 | | |
| Sample containers intact? | | Yes ✓ | No 🗌 | | |
| Sufficient sample volume for | indicated test? | Yes ✓ | No 🗌 | | |
| All samples received within I (Exclude analyses that are c such as pH, DO, Res CI, Su | onsidered field parameters | Yes √ | No 🗌 | | |
| Temp Blank received in all s | hipping container(s)/cooler(s)? | Yes | No 🔽 | Not Applicable | |
| Container/Temp Blank temp | erature: | 22.4°C No Ice | | | |
| Containers requiring zero he bubble that is <6mm (1/4"). | adspace have no headspace or | Yes | No 🗌 | No VOA vials submitted | $\overline{\checkmark}$ |
| Water - pH acceptable upon | receipt? | Yes | No 🗌 | Not Applicable 🔽 | |
| | | | | | |

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.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None

F.4X: 505-345-4107

Website: www.hallenvironmental.com

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

CHAIN OF CUSTODY RECORD PAGE 1 OF 1

Hall Environmental Analysis Laboratory

4901 Havkins NE Wagnerque, NA 87109 TEL: 505-345-3975

ANALYTICAL COMMENTS (406) 252-6069 825180879 ENIAIL FAX 1 Natural Gas Analysis - 02+ CO2 (406) 869-6253 # CONTAINER 8/9/2023 1:20:00 PM COLLECTION ACCOUNT # PHONE DATE MATRIX Air Energy Laboratories BOTTLE TYPE TEDLAR COMPANY CLIENT SAMPLE ID 1120 South 27th Street SUB CONTRATOR Energy Labs -Billings Billings, MT 59107 2308660-001B Influent SAMPLE CITY, STATE, ZIP. ADDRESS IIEM

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you. SPECIAL INSTRUCTIONS / COMMENTS:



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque. NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

| Client Name: | HILCORP ENERGY | Work Order Number: | 230866 | 0 | | RcptNo: 1 | |
|---------------------------------|---|---------------------------|---|--------------|----------|-------------------------|--|
| Received By: | Tracy Casarrubias | 8/11/2023 6:15:00 AM | | | | | |
| Completed By: | Tracy Casarrubias | 8/11/2023 7:38:12 AM | | | | | |
| Reviewed By: | JA 8-11-23 | | | | | | |
| Chain of Cus | stody | | | | | | |
| 1. Is Chain of C | Custody complete? | | Yes [|] No | ~ | Not Present | |
| 2. How was the | e sample delivered? | | Courier | | | | |
| <u>Log In</u> 3. Was an atte | mpt made to cool the sample | es? | Yes [|] No | | NA 🗹 | |
| 4. Were all san | nples received at a temperati | ure of >0° C to 6.0°C | Yes [|] No | | NA 🗹 | |
| 5. Sample(s) ir | proper container(s)? | | Yes 🔽 | Ž No | | | |
| 6. Sufficient sa | mple volume for indicated te | st(s)? | Yes 🗹 | ' No | | | |
| | (except VOA and ONG) pro | | Yes 🔽 | No. | | | |
| 8. Was preserv | rative added to bottles? | | Yes 🗌 |] No | V | NA 🗌 | |
| 9. Received at | least 1 vial with headspace < | 1/4" for AQ VOA? | Yes 🗆 |] No | | NA 🗹 | |
| 10. Were any sa | ample containers received br | oken? | Yes - |] N o | V | # of preserved | |
| | work match bottle labels? | | Yes 🔽 | N o | | bottles checked for pH: | nless noted) |
| | pancies on chain of custody) correctly identified on Chair | | Yes 🗹 | . No | | Adjusted | |
| | at analyses were requested? | | Yes 🗹 | | | 1 000 | 1 00/11/12 |
| 14. Were all hole | ding times able to be met? customer for authorization.) | | Yes 🛂 | . No | | Checked by: | 08/11/23 |
| Special Hand | dling (if applicable) | | | | | | |
| | notified of all discrepancies v | vith this order? | Yes [| No | | NA 🗹 | |
| | n Notified: | Date: | State of the last | | | | |
| By W | Total control of the | Via: [| eMail | Phone | Fax | ☐ In Person | |
| Rega | | | | | | | A A |
| 16. Additional | | ss and phone number are m | issing on | COC- IMC 8/ | 11/23 | | 42:25 |
| 17. Cooler Inf | ormation | | | | | | 7 |
| Cooler I | | Seal Intact Seal No S | Seal Date | e Signed | Ву | | Released to Imaging: 7/3/2024 7:42:25 AM |
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| Client: Hilworg | ody Record | | | | | HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com | L EF LYS lallenvi | IALL ENVIRON NALYSIS LABC | LAE | N N | E E | ΕÖ | בֹּר | |
|---------------------------------------|-------------------------------------|---------------------------------|---------------------|-------------|---------------|--|-------------------------|---------------------------|--------------------|----------|------------|---------|------|-----|
| Mailing Address: | | tare 17. | 10.00 | 490 | 1 Haw | 4901 Hawkins NE | 1 | Albuquerque, NM 87109 | lne, Ni | M 871 | 60 | | | |
| | | Project #: | | Tel. | . 505-3 | 505-345-3975 | | Fax 50 | 505-345-4107 | 4107 | | | | |
| Phone #: | | | | | - | | Analysis | sis Re | Request | | | | | |
| Fax#: KKnufman | eholiop.com | Project Manager: 54, 277 14. | | | | 9 | ⁵OS | | (ţuə | | | _ | | |
| age: | : : : : : | | | | CBR | SWIS | ' [†] Oc | | sdA\ | | ~) | 200 | | |
| | ☐ Level 4 (Full Validation) | 0 | | | | | 1 'zC | | uəs | 8 | | 4 | | |
| Accreditation: Az Compliance Other | ance | On Ice: TYes No | | | | or 8; | | (AC | | o97 | | 20 | | |
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| | | Cooler Temp(including CF): N/A | (၁့) | | | 9 y | | | | 5, | | 0 4 | | |
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| Date: Time: Relinquished by: | M | Received by: Wia: Date | Time 7 1505 8 | Remarks | | cc: shyde | yole | 3) | a 501 m | ξ | (mc). | ć | | |
| Date: Time: Relinquished by: | 2000 | Received by: Via: Carrer Date | Time (g: US | |) | 7 | 50500 | | | | | | | |
| No. samples Submitted | to Hall Environmental may be set of | ccredited laboratories. Th | as notice of this p | ossibility. | Any sub-c | ontracted o | ata will be | e clearly n | otated o | n the an | alytical r | report. | | |



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

September 06, 2023

Kate Kaufman HILCORP ENERGY PO Box 4700 Farmington, NM 87499

TEL: (505) 564-0733

FAX:

RE: Hare 14 M OrderNo.: 2308E04

Dear Kate Kaufman:

Hall Environmental Analysis Laboratory received 1 sample(s) on 8/25/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2308E04

Date Reported: 9/6/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY

Project: Hare 14 M

Collection Date: 8/24/2023 2:05:00 PM

Lab ID: 2308E04-001

Matrix: AIR

Received Date: 8/25/2023 7:10:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|--------------------------------|--------|-------|----------|----|----------------------|
| EPA METHOD 8260B: VOLATILES | | | | | Analyst: CCM |
| Benzene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Toluene | 53 | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Ethylbenzene | 7.5 | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Methyl tert-butyl ether (MTBE) | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,2,4-Trimethylbenzene | 5.7 | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,3,5-Trimethylbenzene | 6.2 | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,2-Dichloroethane (EDC) | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Naphthalene | ND | 10 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1-Methylnaphthalene | ND | 20 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 2-Methylnaphthalene | ND | 20 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Acetone | ND | 50 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Bromobenzene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Bromodichloromethane | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Bromoform | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Bromomethane | ND | 10 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 2-Butanone | ND | 50 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Carbon disulfide | ND | 50 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Carbon tetrachloride | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Chlorobenzene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Chloroethane | ND | 10 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Chloroform | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Chloromethane | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 2-Chlorotoluene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 4-Chlorotoluene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| cis-1,2-DCE | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| cis-1,3-Dichloropropene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 10 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Dibromochloromethane | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Dibromomethane | ND | 10 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,2-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,3-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,4-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Dichlorodifluoromethane | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,1-Dichloroethane | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,1-Dichloroethene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,2-Dichloropropane | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,3-Dichloropropane | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 2,2-Dichloropropane | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 2

Analytical Report Lab Order 2308E04

Date Reported: 9/6/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: Hare 14M Influent **Project:** Hare 14 M **Collection Date:** 8/24/2023 2:05:00 PM Lab ID: 2308E04-001 Matrix: AIR Received Date: 8/25/2023 7:10:00 AM

| Analyses | Result | RL Qua | al Units | DF | Date Analyzed |
|----------------------------------|--------|--------|----------|----|----------------------|
| EPA METHOD 8260B: VOLATILES | | | | | Analyst: CCM |
| 1,1-Dichloropropene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Hexachlorobutadiene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 2-Hexanone | ND | 50 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Isopropylbenzene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 4-Isopropyltoluene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 4-Methyl-2-pentanone | ND | 50 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Methylene chloride | ND | 15 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| n-Butylbenzene | ND | 15 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| n-Propylbenzene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| sec-Butylbenzene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Styrene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| tert-Butylbenzene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Tetrachloroethene (PCE) | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| trans-1,2-DCE | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| trans-1,3-Dichloropropene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,2,3-Trichlorobenzene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,2,4-Trichlorobenzene | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,1,1-Trichloroethane | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,1,2-Trichloroethane | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Trichloroethene (TCE) | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Trichlorofluoromethane | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| 1,2,3-Trichloropropane | ND | 10 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Vinyl chloride | ND | 5.0 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Xylenes, Total | 99 | 7.5 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Surr: Dibromofluoromethane | 109 | 70-130 | %Rec | 50 | 8/30/2023 3:24:00 PM |
| Surr: 1,2-Dichloroethane-d4 | 103 | 70-130 | %Rec | 50 | 8/30/2023 3:24:00 PM |
| Surr: Toluene-d8 | 116 | 70-130 | %Rec | 50 | 8/30/2023 3:24:00 PM |
| Surr: 4-Bromofluorobenzene | 122 | 70-130 | %Rec | 50 | 8/30/2023 3:24:00 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: CCM |
| Gasoline Range Organics (GRO) | 2700 | 250 | μg/L | 50 | 8/30/2023 3:24:00 PM |
| Surr: BFB | 95.0 | 70-130 | %Rec | 50 | 8/30/2023 3:24:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Ε Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 2 of 2

ANALYTICAL SUMMARY REPORT

September 06, 2023

Hall Environmental 4901 Hawkins St NE Ste D Albuquerque, NM 87109-4372

Work Order:

B23082664

Quote ID: B15626

Project Name:

Not Indicated

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 8/29/2023 for analysis.

| Lab ID | Client Sample ID | Collect Date Rece | eive Date | Matrix | Test |
|---------------|------------------------------------|-------------------|-----------|--------|---|
| B23082664-001 | 2308E04-001B, Hare 14M Influent | 08/24/23 14:05 0 | 8/29/23 | Air | Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60 |

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, 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:

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated
Lab ID: B23082664-001

Client Sample ID: 2308E04-001B, Hare 14M Influent

Report Date: 09/06/23

Collection Date: 08/24/23 14:05

DateReceived: 08/29/23

Matrix: Air

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|-------|------------|-------|-------------|-------------|----------------------|
| GAS CHROMATOGRAPHY ANALYSIS F | REPORT | | | | | | |
| Oxygen | 21.66 | Mol % | | 0.01 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| Nitrogen | 77.96 | Mol % | | 0.01 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| Carbon Dioxide | 0.24 | Mol % | | 0.01 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| Hydrogen Sulfide | <0.01 | Mol % | | 0.01 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| Methane | 0.02 | Mol % | | 0.01 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| Ethane | <0.01 | Mol % | | 0.01 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| Propane | <0.01 | Mol % | | 0.01 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| sobutane | <0.01 | Mol % | | 0.01 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| -Butane | <0.01 | Mol % | | 0.01 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| sopentane | <0.01 | Mol % | | 0.01 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| -Pentane | <0.01 | Mol % | | 0.01 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| lexanes plus | 0.12 | Mol % | | 0.01 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| ropane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| sobutane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| -Butane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| sopentane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| -Pentane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| lexanes plus | 0.051 | gpm | | 0.001 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| SPM Total | 0.051 | gpm | | 0.001 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| SPM Pentanes plus | 0.051 | gpm | | 0.001 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| CALCULATED PROPERTIES | | | | | | | |
| Gross BTU per cu ft @ Std Cond. (HHV) | 6 | | | 1 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| let BTU per cu ft @ std cond. (LHV) | 5 | | | 1 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| Pseudo-critical Pressure, psia | 546 | | | 1 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| Seudo-critical Temperature, deg R | 240 | | | 1 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| Specific Gravity @ 60/60F | 1.00 | | | 0.001 | | D3588-81 | 08/30/23 10:11 / jrj |
| Air, % - The analysis was not corrected for air. | 98.98 | | | 0.01 | | GPA 2261-95 | 08/30/23 10:11 / jrj |
| COMMENTS | | | | | | | |

⁻ BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.

Report RL - Analyte Reporting Limit MCL - Maximum Contaminant Level

Definitions: QCL - Quality Control Limit ND - Not detected at the Reporting Limit (RL)

08/30/23 10:11 / jrj

⁻ GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.

⁻ To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.

⁻ Standard conditions: 60 F & 14.73 psi on a dry basis.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental Work Order: B23082664 Report Date: 09/06/23

| Analyte | | Count | Result | Units | RL | %REC I | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-----------|-------------------|--------|-------------|--------------|------|--------|-----------|-------------|-----|----------|----------|
| Method: | GPA 2261-95 | | | | | | | | | Batch: | R408000 |
| Lab ID: | B23082662-001ADUP | 12 Saı | mple Duplic | ate | | F | Run: GCNG | A-B_230830A | | 08/30/ | 23 09:44 |
| Oxygen | | | 21.4 | Mol % | 0.01 | | | | 0.1 | 20 | |
| Nitrogen | | | 77.4 | Mol % | 0.01 | | | | 0.1 | 20 | |
| Carbon Di | ioxide | | 0.54 | Mol % | 0.01 | | | | 1.8 | 20 | |
| Hydrogen | Sulfide | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Methane | | | 0.01 | Mol % | 0.01 | | | | | 20 | |
| Ethane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Propane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Isobutane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| n-Butane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Isopentan | е | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| n-Pentane |) | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Hexanes p | olus | | 0.66 | Mol % | 0.01 | | | | 11 | 20 | |
| Lab ID: | LCS083023 | 11 Lat | oratory Cor | ntrol Sample | | F | Run: GCNG | A-B_230830A | | 08/30/ | 23 12:42 |
| Oxygen | | | 0.62 | Mol % | 0.01 | 124 | 70 | 130 | | | |
| Nitrogen | | | 6.05 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| Carbon Di | ioxide | | 1.00 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| Methane | | | 74.2 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| Ethane | | | 6.02 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Propane | | | 5.37 | Mol % | 0.01 | 109 | 70 | 130 | | | |
| Isobutane | | | 1.99 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| n-Butane | | | 2.01 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Isopentan | е | | 1.00 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| n-Pentane |) | | 1.00 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Hexanes p | olus | | 0.76 | Mol % | 0.01 | 95 | 70 | 130 | | | |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Work Order Receipt Checklist

Hall Environmental

B23082664

| Login completed by: | Lyndsi E. LeProwse | | Date | Received: 8/29/2023 | | | |
|--|---------------------------------|---------------------|------|--------------------------|----------|--|--|
| Reviewed by: | darcy | | Re | ceived by: dnh | | | |
| Reviewed Date: 8/30/2023 | | Carrier name: FedEx | | | | | |
| Shipping container/cooler in good condition? | | Yes ✓ | No 🗌 | Not Present | | | |
| Custody seals intact on all sh | nipping container(s)/cooler(s)? | Yes √ | No 🗌 | Not Present | | | |
| Custody seals intact on all sa | ample bottles? | Yes | No 🗌 | Not Present 🗸 | | | |
| Chain of custody present? | | Yes √ | No 🗌 | | | | |
| Chain of custody signed whe | en relinquished and received? | Yes √ | No 🗌 | | | | |
| Chain of custody agrees with sample labels? | | Yes ✓ | No 🗌 | | | | |
| Samples in proper container/ | /bottle? | Yes ✓ | No 🗌 | | | | |
| Sample containers intact? | | Yes ✓ | No 🗌 | | | | |
| Sufficient sample volume for | indicated test? | Yes √ | No 🗌 | | | | |
| All samples received within h (Exclude analyses that are or such as pH, DO, Res Cl, Su | onsidered field parameters | Yes ✓ | No 🗌 | | | | |
| Temp Blank received in all sl | nipping container(s)/cooler(s)? | Yes | No 🗹 | Not Applicable | | | |
| Container/Temp Blank tempe | erature: | 24.2°C No Ice | | | | | |
| Containers requiring zero heabubble that is <6mm (1/4"). | adspace have no headspace or | Yes | No 🗌 | No VOA vials submitted [| V | | |
| Water - pH acceptable upon | receipt? | Yes | No 🗌 | Not Applicable ✓ | | | |
| | | | | | | | |

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.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD PAGES 1 OFF 1

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NA 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

| (406) 869-6253 FAX (406) 252-6060 | EMAIL | | ANALYTICAL COMMENTS | 8/24/2023 2:05:00 PM 1 **5 DAY TAT** Natural Gas Analysis. 02+CO2 Baろの はし |
|--|--------------------------------|-------------------------------------|------------------------------|--|
| PHONE | ACCOUNT# | | COLLECTION | 3/24/2023 2:05:00 PM |
| ries | | | SOTTLE TYPE MATRIX | Air |
| Energy Laboratories | | | BOTTLE | TEDLAR |
| SUB CONTRATOR Energy Labs -Billings COMPANY: | ADDRESS 1120 South 27th Street | CHY, STATE, ZIP. Billings, MT 59107 | ITEM SAMPLE CLIENT SAMPLE ID | 1 2308E04-001B Hare 14M Influent |

ONLINE Attempt to Cool? REPORT TRANSMITTAL DESIRED: EMAIL Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you. FOR LAB USE ONLY FAX HARDCOPY (extra cost) Temp of samples S/18/13 10:00 Time 3rd BD Date Date. 2nd BD Next BD Received By Received By. RUSH 8:10 AM Time 8/25/2023 Date Date TATE

SPECIAL INSTRUCTIONS / COMMENTS:

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 7/3/2024 7:42:25 AM

| Client Name: HILCORP | ENERGY | Work Order Number: | 2308E04 | | RcptNo: 1 | |
|---|------------------------------|-----------------------|-------------|-----------------|--|-----------------|
| Received By: Juan Roj | ias { | 8/25/2023 7:10:00 AM | | Juan 3 g | | |
| | | 3/25/2023 8:08:14 AM | | | | |
| 11 | .15.13 | 7- 0-00 | | | | |
| Chain of Custody | | | | | | |
| 1. Is Chain of Custody com | plete? | | Yes 🗌 | No 🗹 | Not Present | |
| 2. How was the sample deli | vered? | | Courier | | | |
| <u>Log In</u> | | | | | | |
| 3. Was an attempt made to | cool the samples? | | Yes 🗌 | No 🗌 | NA 🗸 | |
| 4. Were all samples receive | d at a temperature of | >0° C to 6.0°C | Yes 🗌 | No 🗌 | NA 🗸 | |
| 5. Sample(s) in proper conta | ainer(s)? | | Yes 🗸 | No 🗌 | | |
| 6. Sufficient sample volume | for indicated test(s)? | | Yes 🗹 | No 🗌 | | |
| 7. Are samples (except VOA | and ONG) properly p | reserved? | Yes 🗹 | No 🗌 | | |
| 8. Was preservative added t | to bottles? | | Yes 🗌 | No 🗸 | NA 🗆 | |
| 9. Received at least 1 vial w | ith headspace <1/4" fo | or AQ VOA? | Yes 🗌 | No 🗌 | NA 🔽 | |
| 10. Were any sample contain | ners received broken? | | Yes | No 🗹 | # of preserved | |
| 11. Does paperwork match be (Note discrepancies on ch | | | Yes 🔽 | No 🗌 | bottles checked for pH: (<2 or >12 | 2 unless noted) |
| 12. Are matrices correctly ide | ntified on Chain of Cu | stody? | Yes 🔽 | No 🗌 | Adjusted? | |
| 13. Is it clear what analyses w | vere requested? | | Yes 🗹 | No 🗌 | 15cm | 1 9/25h |
| 14. Were all holding times ab (If no, notify customer for | | | Yes 🗹 | No 🗌 | Checked by: | 1 0/03/1 |
| Special Handling (if ap | plicable) | | | | | |
| 15. Was client notified of all | discrepancies with this | s order? | Yes 🗌 | No 🗆 | NA 🗸 | |
| Person Notified: | | Date: | | | | |
| By Whom: | | Via: | eMail | Phone Fax | n Person | |
| Regarding: | | | | | The state of the s | |
| Client Instructions: | Mailing address.pho | ne number, and Email/ | Fax are mis | sing on COC- TM | IC 8/25/23 | |
| 16. Additional remarks: | | | | | | |
| 17. Cooler Information Cooler No Temp °C 1 N/A | C Condition Seal Good Yes | Intact Seal No S | eal Date | Signed By | | |

| HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 | BTEX / MTBE / TMB's (8021) TPH:8015D(GRO) DRO / MRO) 8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA 8 Metals | | ate Time Remarks: $2 \frac{2}{\sqrt{15}} \frac{1510}{15}$ $\frac{2}{\sqrt{15}} \frac{1510}{15}$ $\frac{2}{\sqrt{15}} \frac{1510}{15}$ $\frac{2}{\sqrt{15}} \frac{1510}{15}$ $\frac{2}{\sqrt{15}} \frac{1510}{15}$ $\frac{2}{\sqrt{15}} \frac{1510}{15}$ $\frac{2}{\sqrt{15}} \frac{1510}{15}$ $\frac{1510}{\sqrt{15}} \frac{1510}{\sqrt{15}}$ $\frac{1510}{\sqrt{15}} \frac{1510}$ $\frac{1510}{\sqrt{15}} \frac{1510}{\sqrt{15}}$ $\frac{1510}{\sqrt{15}} \frac{1510}{$ |
|---|--|-------------|--|
| Turn-Around Time: S-day C/Standard □ Rush Project Name: Have U W | Project Manager: Stuart Hydle Shydle Rensolum.com Sampler: Lech Mycrsynstark? On Ice: Ares Are # of Coolers: 1 Cooler Temp(motuding CF): 10/14 Container Preservative 23000000000000000000000000000000000000 | 8 | |
| Chain-of-Custody Record Client: Hilcorp-Kate Kaufmann Ekaufmanne hilorp com Mailing Address: | email or Fax#: QA/QC Package: Standard Accreditation: | 3 14:05 avr | Date: Time: Relinquished by: 5:10 |

Released to Imaging: 73/2024 7:42:25 AM



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

September 28, 2023

Mitch Killough HILCORP ENERGY PO Box 4700 Farmington, NM 87499

TEL: (505) 564-0733

FAX:

RE: Hare 14M OrderNo.: 2309463

Dear Mitch Killough:

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/9/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical ReportLab Order **2309463**

Date Reported: 9/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY

Client Sample ID: Hare 14M Influent

Project: Hare 14M

Collection Date: 9/8/2023 11:20:00 AM

Lab ID: 2309463-001 **Matrix:** AIR **Received Date:** 9/9/2023 9:30:00 AM

| Analyses | Result | RL Qua | al Units | DF | Date Analyzed |
|--------------------------------|--------|--------|----------|----|----------------------|
| EPA METHOD 8260B: VOLATILES | | | | | Analyst: CCM |
| Benzene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Toluene | 37 | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Ethylbenzene | 5.6 | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Methyl tert-butyl ether (MTBE) | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,3,5-Trimethylbenzene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,2-Dichloroethane (EDC) | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Naphthalene | ND | 10 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1-Methylnaphthalene | ND | 20 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 2-Methylnaphthalene | ND | 20 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Acetone | ND | 50 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Bromobenzene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Bromodichloromethane | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Bromoform | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Bromomethane | ND | 10 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 2-Butanone | ND | 50 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Carbon disulfide | ND | 50 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Carbon tetrachloride | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Chlorobenzene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Chloroethane | ND | 10 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Chloroform | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Chloromethane | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 2-Chlorotoluene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 4-Chlorotoluene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| cis-1,2-DCE | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| cis-1,3-Dichloropropene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 10 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Dibromochloromethane | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Dibromomethane | ND | 10 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,2-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,3-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,4-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Dichlorodifluoromethane | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,1-Dichloroethane | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,1-Dichloroethene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,2-Dichloropropane | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,3-Dichloropropane | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 2,2-Dichloropropane | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

Analytical ReportLab Order **2309463**

Date Reported: 9/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY

Project: Hare 14M

Collection Date: 9/8/2023 11:20:00 AM

Lab ID: 2309463-001

Matrix: AIR

Received Date: 9/9/2023 9:30:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|----------------------------------|--------|--------|----------|----|----------------------|
| EPA METHOD 8260B: VOLATILES | | | | | Analyst: CCM |
| 1,1-Dichloropropene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Hexachlorobutadiene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 2-Hexanone | ND | 50 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Isopropylbenzene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 4-Isopropyltoluene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 4-Methyl-2-pentanone | ND | 50 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Methylene chloride | ND | 15 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| n-Butylbenzene | ND | 15 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| n-Propylbenzene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| sec-Butylbenzene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Styrene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| tert-Butylbenzene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Tetrachloroethene (PCE) | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| trans-1,2-DCE | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| trans-1,3-Dichloropropene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,2,3-Trichlorobenzene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,2,4-Trichlorobenzene | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,1,1-Trichloroethane | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,1,2-Trichloroethane | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Trichloroethene (TCE) | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Trichlorofluoromethane | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| 1,2,3-Trichloropropane | ND | 10 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Vinyl chloride | ND | 5.0 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Xylenes, Total | 74 | 7.5 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Surr: Dibromofluoromethane | 89.5 | 70-130 | %Rec | 50 | 9/14/2023 1:28:00 PM |
| Surr: 1,2-Dichloroethane-d4 | 84.0 | 70-130 | %Rec | 50 | 9/14/2023 1:28:00 PM |
| Surr: Toluene-d8 | 107 | 70-130 | %Rec | 50 | 9/14/2023 1:28:00 PM |
| Surr: 4-Bromofluorobenzene | 109 | 70-130 | %Rec | 50 | 9/14/2023 1:28:00 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: CCM |
| Gasoline Range Organics (GRO) | 2100 | 250 | μg/L | 50 | 9/14/2023 1:28:00 PM |
| Surr: BFB | 87.6 | 70-130 | %Rec | 50 | 9/14/2023 1:28:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 5

ANALYTICAL SUMMARY REPORT

September 28, 2023

Hall Environmental 4901 Hawkins St NE Ste D Albuquerque, NM 87109-4372

Work Order: B23090881

Project Name: Not Indicated

Quote ID: B15626

 $Energy\ Laboratories\ Inc\ Billings\ MT\ received\ the\ following\ 1\ sample\ for\ Hall\ Environmental\ on\ 9/12/2023\ for\ analysis.$

| Lab ID | Client Sample ID | Collect Date Re | eceive Date | Matrix | Test |
|---------------|------------------------------------|-----------------|-------------|--------|---|
| B23090881-001 | 2309463-001B, Hare 14M Influent | 09/08/23 11:20 | 09/12/23 | Air | Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60 |

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, 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:

Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Client Sample ID: 2309463-001B, Hare 14M Influent

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated
Lab ID: B23090881-001

Collection Date: 09/08/23 11:20
DateReceived: 09/12/23
Matrix: Air

Report Date: 09/28/23

| | | | | MCL/ | |
|---|-------------|--------------|-------|-------------|----------------------|
| Analyses | Result Unit | s Qualifiers | RL | QCL Method | Analysis Date / By |
| GAS CHROMATOGRAPHY ANALYSIS | REPORT | | | | |
| Oxygen | 21.72 Mol | % | 0.01 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| Nitrogen | 78.08 Mol | % | 0.01 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| Carbon Dioxide | 0.20 Mol | % | 0.01 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| Hydrogen Sulfide | <0.01 Mol | % | 0.01 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| Methane | <0.01 Mol | % | 0.01 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| Ethane | <0.01 Mol | % | 0.01 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| Propane | <0.01 Mol | % | 0.01 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| Isobutane | <0.01 Mol | % | 0.01 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| n-Butane | <0.01 Mol | % | 0.01 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| Isopentane | <0.01 Mol | % | 0.01 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| n-Pentane | <0.01 Mol | % | 0.01 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| Hexanes plus | <0.01 Mol | % | 0.01 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| Propane | < 0.001 gpm | | 0.001 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| Isobutane | < 0.001 gpm | | 0.001 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| n-Butane | < 0.001 gpm | | 0.001 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| Isopentane | < 0.001 gpm | | 0.001 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| n-Pentane | < 0.001 gpm | | 0.001 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| Hexanes plus | < 0.001 gpm | | 0.001 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| GPM Total | < 0.001 gpm | | 0.001 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| GPM Pentanes plus | < 0.001 gpm | | 0.001 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| CALCULATED PROPERTIES | | | | | |
| Gross BTU per cu ft @ Std Cond. (HHV) | ND | | 1 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| Net BTU per cu ft @ std cond. (LHV) | ND | | 1 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| Pseudo-critical Pressure, psia | 546 | | 1 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| Pseudo-critical Temperature, deg R | 239 | | 1 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| Specific Gravity @ 60/60F | 0.999 | | 0.001 | D3588-81 | 09/13/23 10:51 / jrj |
| Air, % | 99.24 | | 0.01 | GPA 2261-95 | 09/13/23 10:51 / jrj |
| - The analysis was not corrected for air. | | | | | |
| COMMENTS | | | | | |
| | | | | | |

⁻ BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.

Report RL - Analyte Reporting Limit MCL - Maximum Contaminant Level

Definitions: QCL - Quality Control Limit ND - Not detected at the Reporting Limit (RL)

09/13/23 10:51 / jrj

⁻ GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.

⁻ To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.

⁻ Standard conditions: 60 F & 14.73 psi on a dry basis.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental Work Order: B23090881 Report Date: 09/28/23

| Analyte | | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|----------------------|-------------------|--------|--------------|--------------|------|------|-----------|-------------|-----|----------|----------|
| Method: | GPA 2261-95 | | | | | | | | | Batch: | R408732 |
| Lab ID: | B23090881-001ADUP | 12 Sa | mple Duplic | ate | | F | Run: GCNG | A-B_230913A | | 09/13/ | 23 11:18 |
| Oxygen | | | 21.7 | Mol % | 0.01 | | | | 0.1 | 20 | |
| Nitrogen | | | 78.1 | Mol % | 0.01 | | | | 0 | 20 | |
| Carbon Di | ioxide | | 0.20 | Mol % | 0.01 | | | | 0.0 | 20 | |
| Hydrogen | Sulfide | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Methane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Ethane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Propane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Isobutane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| n-Butane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Isopentan | е | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| n-Pentane | 9 | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Hexanes _I | plus | | <0.01 | Mol % | 0.01 | | | | | 20 | |
| Lab ID: | LCS091323 | 11 Lat | ooratory Cor | ntrol Sample | | F | Run: GCNG | A-B_230913A | | 09/13/ | 23 15:06 |
| Oxygen | | | 0.59 | Mol % | 0.01 | 118 | 70 | 130 | | | |
| Nitrogen | | | 5.89 | Mol % | 0.01 | 98 | 70 | 130 | | | |
| Carbon D | ioxide | | 1.00 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| Methane | | | 74.4 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Ethane | | | 6.02 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Propane | | | 5.23 | Mol % | 0.01 | 106 | 70 | 130 | | | |
| Isobutane | | | 2.00 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| n-Butane | | | 2.00 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Isopentan | е | | 0.99 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| n-Pentane | e | | 1.01 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| Hexanes | plus | | 0.84 | Mol % | 0.01 | 105 | 70 | 130 | | | |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Trust our People. Trust our Data. www.energylab.com Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Work Order Receipt Checklist

Hall Environmental

B23090881

| Login completed by: | Leslie S. Cadreau | | Date F | Received: 9/12/2023 | |
|--|---------------------------------|---------------|--------|------------------------|--------------|
| Reviewed by: | gmccartney | | Red | eived by: lel | |
| Reviewed Date: | 9/16/2023 | | Carr | ier name: FedEx | |
| Shipping container/cooler in | good condition? | Yes 🗸 | No 🗌 | Not Present | |
| Custody seals intact on all sh | nipping container(s)/cooler(s)? | Yes 🗸 | No 🗌 | Not Present | |
| Custody seals intact on all sa | ample bottles? | Yes | No 🗌 | Not Present 🗸 | |
| Chain of custody present? | | Yes √ | No 🗌 | | |
| Chain of custody signed whe | en relinquished and received? | Yes √ | No 🗌 | | |
| Chain of custody agrees with | sample labels? | Yes √ | No 🗌 | | |
| Samples in proper container/ | /bottle? | Yes √ | No 🗌 | | |
| Sample containers intact? | | Yes 🗸 | No 🗌 | | |
| Sufficient sample volume for | indicated test? | Yes √ | No 🗌 | | |
| All samples received within h (Exclude analyses that are or such as pH, DO, Res Cl, Su | onsidered field parameters | Yes 🔽 | No 🗌 | | |
| Temp Blank received in all sh | nipping container(s)/cooler(s)? | Yes | No 🗹 | Not Applicable | |
| Container/Temp Blank tempe | erature: | 18.6°C No Ice | | | |
| Containers requiring zero heabubble that is <6mm (1/4"). | adspace have no headspace or | Yes | No 🗌 | No VOA vials submitted | \checkmark |
| Water - pH acceptable upon | receipt? | Yes | No 🗌 | Not Applicable 🗸 | |
| | | | | | |

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.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD PAGE 1 OFF 1

Hall Environmental Analysis Laboratory

4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975

F.4X: 505-345-4107

(Febsite: www.hallenvironmental.com

| 0 00 10 | CONTR A TOB | COMPANY | | | PHONE | C360 000 0000 | FAX | 6909-656 (901) | _ |
|----------|--------------------------|--------------------------------|---------------------|----------|----------------------|---|---------|---------------------|---|
| SUB | Energ | Energy Labs -Billings | Energy Laboratories | ories | | (400) 809-623 | | 100 777 000 | |
| ADDRESS: | ESS: 1120 S | 1120 South 27th Street | | | ACCOUNT #: | | EMAIL | | _ |
| CILY. | TIY. STATE, ZIP. Billing | Billings, MT 59107 | | | | | | | - |
| THEM | SAMPLE | CUENT SAMPLE ID | BOTTLE | E MATRIX | COLLECTION | #CONTAINERS | LYTICAL | ANALYTICAL COMMENTS | |
| - | 2309463-001B | 2309463-001B Hare 14M Influent | TEDLAR | Air | 9/8/2023 11:20:00 AM | 9/8/2023 11:20:00 AM 1 Natural Gas Analysis- 02+C02 | .02 | (8306082) | |
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| | | | | | | Comments: | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2309463

28-Sep-23

Client: HILCORP ENERGY

Project: Hare 14M

Sample ID: 2309463-001adup SampType: DUP TestCode: EPA Method 8260B: Volatiles Client ID: Hare 14M Influent Batch ID: R99694 RunNo: 99694 Units: µg/L Prep Date: Analysis Date: 9/14/2023 SeqNo: 3643434 PQL SPK value SPK Ref Val HighLimit %RPD **RPDLimit** Analyte Result %REC LowLimit Qual Benzene ND 5.0 0 20 Toluene 38 5.0 4.31 20 Ethylbenzene 5.7 5.0 2.65 20 Methyl tert-butyl ether (MTBE) ND 5.0 0 20 1,2,4-Trimethylbenzene ND 5.0 0 20 1,3,5-Trimethylbenzene ND 0 20 5.0 1,2-Dichloroethane (EDC) ND 5.0 0 20 1,2-Dibromoethane (EDB) ND 0 20 5.0 Naphthalene ND 10 0 20 ND 0 1-Methylnaphthalene 20 20 0 2-Methylnaphthalene ND 20 20 50 0 Acetone ND 20 Bromobenzene ND 5.0 0 20 Bromodichloromethane ND 5.0 0 20 Bromoform ND 0 20 5.0 Bromomethane ND 10 0 20 ND 0 20 2-Butanone 50 Carbon disulfide ND 50 0 20 Carbon tetrachloride ND 5.0 0 20 Chlorobenzene ND 0 20 5.0 0 Chloroethane ND 10 20 0 Chloroform ND 5.0 20 Chloromethane ND 5.0 0 20 2-Chlorotoluene ND 5.0 0 20 4-Chlorotoluene ND 5.0 0 20 ND 5.0 0 20 cis-1,2-DCE cis-1,3-Dichloropropene ND 5.0 0 20 0 1,2-Dibromo-3-chloropropane ND 10 20 Dibromochloromethane 0 20 ND 5.0 0 Dibromomethane ND 10 20 1.2-Dichlorobenzene ND 5.0 0 20 0 20 1,3-Dichlorobenzene ND 5.0 1,4-Dichlorobenzene ND 5.0 0 20 0 Dichlorodifluoromethane ND 5.0 20 1.1-Dichloroethane ND 5.0 0 20 1,1-Dichloroethene ND 5.0 0 20 1,2-Dichloropropane ND 5.0 0 20 1,3-Dichloropropane ND 5.0 0 20

Qualifiers:

2,2-Dichloropropane

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.

ND

5.0

- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 3 of 5

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309463**

28-Sep-23

Client: HILCORP ENERGY

Project: Hare 14M

Sample ID: 2309463-001adup SampType: DUP TestCode: EPA Method 8260B: Volatiles Client ID: Hare 14M Influent Batch ID: R99694 RunNo: 99694 Units: µg/L Prep Date: Analysis Date: 9/14/2023 SeqNo: 3643434 PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit 1,1-Dichloropropene ND 5.0 0 20 Hexachlorobutadiene ND 5.0 0 20 ND 2-Hexanone 50 0 20 5.0 Isopropylbenzene ND 0 20 4-Isopropyltoluene ND 5.0 0 20 ND 0 20 4-Methyl-2-pentanone 50 Methylene chloride ND 15 0 20 n-Butylbenzene ND 15 0 20 n-Propylbenzene ND 5.0 0 20 ND 0 sec-Butylbenzene 5.0 20 0 Styrene ND 5.0 20 0 tert-Butylbenzene ND 5.0 20 1,1,1,2-Tetrachloroethane ND 5.0 0 20 1,1,2,2-Tetrachloroethane ND 5.0 0 20 Tetrachloroethene (PCE) ND 0 20 5.0 trans-1,2-DCE ND 5.0 0 20 ND 0 20 trans-1,3-Dichloropropene 5.0 1,2,3-Trichlorobenzene ND 5.0 0 20 1,2,4-Trichlorobenzene ND 5.0 0 20 1,1,1-Trichloroethane ND 5.0 0 20 ND 0 1,1,2-Trichloroethane 5.0 20 0 Trichloroethene (TCE) ND 5.0 20 Trichlorofluoromethane ND 5.0 0 20 1,2,3-Trichloropropane ND 10 0 20 Vinyl chloride ND 5.0 0 20 77 7.5 4.98 20 Xylenes, Total Surr: Dibromofluoromethane 43 50.00 86.6 70 130 0 0 0 0 Surr: 1,2-Dichloroethane-d4 42 50.00 84.4 70 130 Surr: Toluene-d8 50.00 108 70 130 0 0 54 0 0 Surr: 4-Bromofluorobenzene 54 50.00 109 70 130

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 5

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309463**

Qual

28-Sep-23

Client: HILCORP ENERGY

Project: Hare 14M

Sample ID: 2309463-001adup SampType: DUP TestCode: EPA Method 8015D: Gasoline Range

Client ID: Hare 14M Influent Batch ID: G99694 RunNo: 99694

Prep Date: Analysis Date: 9/14/2023 SeqNo: 3643562 Units: µg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Gasoline Range Organics (GRO) 2200 250 5.23 20 Surr: BFB 44000 50000 88.0 70 130 0 0

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 5



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Released to Imaging: 7/3/2024 7:42:25 AM

| | weosue: www.nauenvironme | mar.com | |
|---|---------------------------|-----------|---|
| Client Name: HILCORP ENERGY We | ork Order Number: 2309463 | | RcptNo: 1 |
| Received By: Cheyenne Cason 9/9/2 | 2023 9:30:00 AM | Chenl | |
| Completed By: Cheyenne Cason 9/9/2 | 2023 10:20:41 AM | Chul | |
| Reviewed By: 7h a/11/23 | | | |
| Chain of Custody | | | |
| 1. Is Chain of Custody complete? | Yes 🗹 | No 🗌 | Not Present |
| 2. How was the sample delivered? | <u>Courier</u> | | |
| <u>Log In</u> | | | |
| 3. Was an attempt made to cool the samples? | Yes 🗌 | No 🗌 | NA 🗹 |
| 4. Were all samples received at a temperature of >0° | C to 6.0°C Yes | No 🗌 | na 🗹 |
| 5. Sample(s) in proper container(s)? | Yes 🗹 | No 🗆 | |
| 6. Sufficient sample volume for indicated test(s)? | Yes 🗸 | No 🗌 | |
| 7. Are samples (except VOA and ONG) properly prese | erved? Yes 🗹 | No 🗌 | |
| 8. Was preservative added to bottles? | Yes | No 🗹 | NA 🗌 |
| 9. Received at least 1 vial with headspace <1/4" for A | Q VOA? Yes | No 🗌 | NA 🗹 |
| 0. Were any sample containers received broken? | Yes 🗆 | No 🗹 | # of preserved |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes 🗸 | No 🗌 | bottles checked for pH: (<2 or >12 unless noted) |
| 2. Are matrices correctly identified on Chain of Custod | ly? Yes ✔ | No 🗆 | Adjusted? |
| 3. Is it clear what analyses were requested? | Yes 🗸 | No 🗆 | 2.1.5 |
| 4. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes 🗹 | No 🗌 | Checked by: Unc 9/9/1 |
| Special Handling (if applicable) | | | |
| 15. Was client notified of all discrepancies with this orc | der? Yes | No 🗌 | NA 🗹 |
| Person Notified: | Date: | | |
| By Whom: | Via: ☐ eMail [| Phone Fax | ☐ In Person |
| Regarding: | | | |
| Client Instructions: | | | |
| 16. Additional remarks: | | | |
| 17. Cooler Information | | | |
| Cooler No Temp °C Condition Seal Inta | | Signed By | |
| 1 N/A Good Yes | NA | | |

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| Client: Hillorp | ⊠ Standard □ Rush | | | L | N | ALY | SIS | 1 | BO | ANALYSIS LABORATORY | |
| | Project Name: | 90 | | | ** | ,haller | wironr | www.hallenvironmental.com | COM | | |
| Mailing Address: | Have 14M | | 49 | 4901 Hawkins NE | kins N | 1 | pndnq | Albuquerque, NM 87109 | NM 87 | 109 | |
| | Project #: | | ř | Tel. 505-345-3975 | 345-39 | | Fax | Fax 505-345-4107 | 5-410 | off temporal | |
| Phone #: | 7 per 12 3 2 1 2 | A CONTRACTOR OF THE PARTY OF TH | | | | Ana | lysis | Analysis Request | st | | |
| email or Fax#: MK' llough @ hi / Corp. Com | Project Manager: | | | | | OS | | (tae | /nus | | - 90 |
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| Accreditation: \[\text{Accreditation:} \qquad \text{Accorditation:} \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qqqqq \qqqqqq | Sampler T 7 | | | J 28 | | | . (7 - | ţuos: | (V) | | |
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| | Cooler Temp(Including CF): 2 | (00) Die-9 | | oitse | | | | | | | |
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Released to Imaging: 13/2024 7:42:25 AM



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

October 03, 2023

Kate Kaufman HILCORP ENERGY PO Box 4700 Farmington, NM 87499

TEL: (505) 564-0733

FAX:

RE: Hare 14M OrderNo.: 2309D08

Dear Kate Kaufman:

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/23/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2309D08

Date Reported: 10/3/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY

Project: Hare 14M

Collection Date: 9/21/2023 1:35:00 PM

Lab ID: 2309D08-001

Matrix: AIR

Received Date: 9/23/2023 7:00:00 AM

| Analyses | Result | RL Qua | al Units | DF | Date Analyzed |
|--------------------------------|--------|--------|----------|----|----------------------|
| EPA METHOD 8260B: VOLATILES | | | | | Analyst: CCM |
| Benzene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Toluene | 39 | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Ethylbenzene | 6.6 | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Methyl tert-butyl ether (MTBE) | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,2,4-Trimethylbenzene | 5.8 | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,3,5-Trimethylbenzene | 6.2 | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,2-Dichloroethane (EDC) | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Naphthalene | ND | 10 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1-Methylnaphthalene | ND | 20 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 2-Methylnaphthalene | ND | 20 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Acetone | ND | 50 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Bromobenzene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Bromodichloromethane | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Bromoform | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Bromomethane | ND | 10 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 2-Butanone | ND | 50 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Carbon disulfide | ND | 50 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Carbon tetrachloride | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Chlorobenzene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Chloroethane | ND | 10 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Chloroform | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Chloromethane | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 2-Chlorotoluene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 4-Chlorotoluene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| cis-1,2-DCE | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| cis-1,3-Dichloropropene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 10 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Dibromochloromethane | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Dibromomethane | ND | 10 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,2-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,3-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,4-Dichlorobenzene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Dichlorodifluoromethane | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,1-Dichloroethane | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,1-Dichloroethene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,2-Dichloropropane | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,3-Dichloropropane | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 2,2-Dichloropropane | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 2

Analytical Report Lab Order 2309D08

Date Reported: 10/3/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY

Project: Hare 14M

Collection Date: 9/21/2023 1:35:00 PM

Lab ID: 2309D08-001

Matrix: AIR

Received Date: 9/23/2023 7:00:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|----------------------------------|--------|--------|----------|----|----------------------|
| EPA METHOD 8260B: VOLATILES | | | | | Analyst: CCM |
| 1,1-Dichloropropene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Hexachlorobutadiene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 2-Hexanone | ND | 50 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Isopropylbenzene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 4-Isopropyltoluene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 4-Methyl-2-pentanone | ND | 50 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Methylene chloride | ND | 15 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| n-Butylbenzene | ND | 15 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| n-Propylbenzene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| sec-Butylbenzene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Styrene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| tert-Butylbenzene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Tetrachloroethene (PCE) | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| trans-1,2-DCE | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| trans-1,3-Dichloropropene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,2,3-Trichlorobenzene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,2,4-Trichlorobenzene | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,1,1-Trichloroethane | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,1,2-Trichloroethane | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Trichloroethene (TCE) | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Trichlorofluoromethane | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| 1,2,3-Trichloropropane | ND | 10 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Vinyl chloride | ND | 5.0 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Xylenes, Total | 96 | 7.5 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Surr: Dibromofluoromethane | 96.8 | 70-130 | %Rec | 50 | 9/25/2023 2:49:00 PM |
| Surr: 1,2-Dichloroethane-d4 | 93.2 | 70-130 | %Rec | 50 | 9/25/2023 2:49:00 PM |
| Surr: Toluene-d8 | 108 | 70-130 | %Rec | 50 | 9/25/2023 2:49:00 PM |
| Surr: 4-Bromofluorobenzene | 108 | 70-130 | %Rec | 50 | 9/25/2023 2:49:00 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: CCM |
| Gasoline Range Organics (GRO) | 2300 | 250 | μg/L | 50 | 9/25/2023 2:49:00 PM |
| Surr: BFB | 87.2 | 70-130 | %Rec | 50 | 9/25/2023 2:49:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 2

ANALYTICAL SUMMARY REPORT

October 02, 2023

Hall Environmental 4901 Hawkins St NE Ste D Albuquerque, NM 87109-4372

Work Order: B23092177

Quote ID: B15626

Project Name: Not Indicated

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 9/26/2023 for analysis.

| Lab ID | Client Sample ID | Collect Date Receive Date | e Matrix | Test |
|---------------|------------------------------------|---------------------------|----------|---|
| B23092177-001 | 2309D08-001B, Hare 14M Influent | 09/21/23 13:35 09/26/23 | Air | Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60 |

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, 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:

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental Project: Not Indicated Lab ID: B23092177-001

Client Sample ID: 2309D08-001B, Hare 14M Influent

Report Date: 10/02/23 Collection Date: 09/21/23 13:35 DateReceived: 09/26/23

Matrix: Air

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|---|---------|-------|------------|-------|-------------|-------------|----------------------|
| GAS CHROMATOGRAPHY ANALYSIS | REPORT | | | | | | • |
| Oxygen | _ | Mol % | | 0.01 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| Nitrogen | _ | Mol % | | 0.01 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| Carbon Dioxide | 0.18 | Mol % | | 0.01 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| Hydrogen Sulfide | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| Methane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| Ethane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| Propane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| sobutane | <0.01 | Mol % | | 0.01 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| -Butane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| sopentane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| -Pentane | < 0.01 | Mol % | | 0.01 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| lexanes plus | 0.07 | Mol % | | 0.01 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| ropane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| sobutane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| -Butane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| sopentane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| -Pentane | < 0.001 | gpm | | 0.001 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| łexanes plus | 0.029 | gpm | | 0.001 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| SPM Total | 0.029 | gpm | | 0.001 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| SPM Pentanes plus | 0.029 | gpm | | 0.001 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| CALCULATED PROPERTIES | | | | | | | |
| Gross BTU per cu ft @ Std Cond. (HHV) | 3 | | | 1 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| let BTU per cu ft @ std cond. (LHV) | 3 | | | 1 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| Pseudo-critical Pressure, psia | 545 | | | 1 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| Pseudo-critical Temperature, deg R | 240 | | | 1 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| Specific Gravity @ 60/60F | 1.00 | | | 0.001 | | D3588-81 | 09/27/23 11:18 / jrj |
| Air, % | 99.36 | | | 0.01 | | GPA 2261-95 | 09/27/23 11:18 / jrj |
| - The analysis was not corrected for air. | | | | | | | |
| COMMENTS | | | | | | | |
| | | | | | | | |

⁻ BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.

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

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

09/27/23 11:18 / jrj

⁻ GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.
- To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.

⁻ Standard conditions: 60 F & 14.73 psi on a dry basis.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental Work Order: B23092177 Report Date: 10/02/23

| Analyte | | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-----------|-------------------|--------|-------------|--------------|------|------|-----------|--------------|-----|----------|----------|
| Method: | GPA 2261-95 | | | | | | | | | Batch: | R409565 |
| Lab ID: | B23092155-001ADUP | 12 Sai | mple Duplic | ate | | | Run: GCNG | GA-B_230927A | | 09/27/ | 23 09:43 |
| Oxygen | | | 21.9 | Mol % | 0.01 | | | | 0 | 20 | |
| Nitrogen | | | 78.1 | Mol % | 0.01 | | | | 0 | 20 | |
| Carbon Di | oxide | | 0.05 | Mol % | 0.01 | | | | 0.0 | 20 | |
| Hydrogen | Sulfide | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Methane | | | <0.01 | Mol % | 0.01 | | | | | 20 | |
| Ethane | | | <0.01 | Mol % | 0.01 | | | | | 20 | |
| Propane | | | <0.01 | Mol % | 0.01 | | | | | 20 | |
| Isobutane | | | <0.01 | Mol % | 0.01 | | | | | 20 | |
| n-Butane | | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Isopentan | е | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| n-Pentane |) | | < 0.01 | Mol % | 0.01 | | | | | 20 | |
| Hexanes p | olus | | <0.01 | Mol % | 0.01 | | | | | 20 | |
| Lab ID: | LCS092723 | 11 Lat | ooratory Co | ntrol Sample | | | Run: GCNG | A-B_230927A | | 09/27/ | 23 15:27 |
| Oxygen | | | 0.62 | Mol % | 0.01 | 124 | 70 | 130 | | | |
| Nitrogen | | | 6.02 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Carbon Di | oxide | | 1.00 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| Methane | | | 74.3 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| Ethane | | | 6.04 | Mol % | 0.01 | 101 | 70 | 130 | | | |
| Propane | | | 5.35 | Mol % | 0.01 | 108 | 70 | 130 | | | |
| Isobutane | | | 1.98 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| n-Butane | | | 1.98 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| Isopentan | е | | 1.02 | Mol % | 0.01 | 102 | 70 | 130 | | | |
| n-Pentane | • | | 1.00 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Hexanes p | olus | | 0.73 | Mol % | 0.01 | 91 | 70 | 130 | | | |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Trust our People. Trust our Data. www.energylab.com Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Work Order Receipt Checklist

Hall Environmental

Login completed by: Addison A. Gilbert

B23092177

Date Received: 9/26/2023

| _og oop.o.o.a | , | | | | |
|---|---------------------------------|---------------------|------|------------------------|--|
| Reviewed by: | gmccartney | | Red | ceived by: dnh | |
| Reviewed Date: | 9/27/2023 | Carrier name: FedEx | | | |
| Shipping container/cooler in | good condition? | Yes 🔽 | No 🗌 | Not Present | |
| Custody seals intact on all si | hipping container(s)/cooler(s)? | Yes | No 🗌 | Not Present ✓ | |
| Custody seals intact on all sa | ample bottles? | Yes | No 🗌 | Not Present ✓ | |
| Chain of custody present? | | Yes ✓ | No 🗌 | | |
| Chain of custody signed who | en relinquished and received? | Yes ✓ | No 🗌 | | |
| Chain of custody agrees with | n sample labels? | Yes ✓ | No 🗌 | | |
| Samples in proper container | /bottle? | Yes ✓ | No 🗌 | | |
| Sample containers intact? | | Yes 🗹 | No 🗌 | | |
| Sufficient sample volume for | indicated test? | Yes ✓ | No 🗌 | | |
| All samples received within h (Exclude analyses that are c such as pH, DO, Res Cl, Su | onsidered field parameters | Yes ✓ | No 🗌 | | |
| Temp Blank received in all s | hipping container(s)/cooler(s)? | Yes | No ✓ | Not Applicable | |
| Container/Temp Blank tempe | erature: | 17.4°C No Ice | | | |
| Containers requiring zero he bubble that is <6mm (1/4"). | adspace have no headspace or | Yes | No 🗌 | No VOA vials submitted | |
| Water - pH acceptable upon | receipt? | Yes [] | No 🗌 | Not Applicable 🗹 | |
| | | | | | |

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.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None

Website: www.hallenvironmental.com

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

CHAIN OF CUSTODY RECORD PAGE: 1 OF 1

Hall Environmental Analysis Laboratory.

4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107

ANALYTICAL COMMENTS (400) 252-6069 EMAIL. 1 Natural Gas analysis *5 Day TAT* FAX (406) 869-6253 # CONTAINER 9/21/2023 1:35:00 PM ACCOUNT # COLLECTION PHONE DATE MATRIX Air Energy Laboratories BOTTLE TYPE TEDLAR COMPANY CLIENT SAMPLE ID 1120 South 27th Street SUB CONTRATOR. Energy Labs -Billings 2309D08-001B Hare 14M Influent Billings, MT 59107 SAMPLE CITY, STATE, ZIP. ADDRESS. ITEM

1323092177 146 1654763

| | Thank you. |
|----------------------------------|---|
| | nmental.com. Please return all coolers and blue ice. That |
| | D on all final reports. Please e-mail results to lab@hallenvironmental.com. |
| SPECIAL INSTRUCTIONS / COMMENTS: | Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. |

| TRANSMITTAL DESIRED. | ra cost) | FOR LABITER ONE V | 1 City Cost City I | Austript to Coot | | |
|-------------------------|-----------------------|-------------------|--------------------|------------------|-----------|--|
| | HARDCOPY (extra cost) | | | samples | Comments: | |
| Time: | Time | | Daty June Tune | 3rd BD | | |
| Received By: Date: | Received By: | , | 1 | Next BD 2nd BD | | |
| 9/25/2023 Tune: 9:17.AM | Time | | Time: | RUSH | | |
| Date: 9/25/2023 | Date | | Date: | Standard | | |
| Relinquished By: | Relinguished By | | Relinquished By: | TAT: Sta | | |



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque. NM 87109

TEL: 505-345-3975 F.4X: 505-345-4107

Sample Log-In Check List

Released to Imaging: 7/3/2024 7:42:25 AM

| Log In 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C 4. Were all samples received at a temperature of >0° C to 6.0°C 5. Sample(s) in proper container(s)? 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? (No where any sample containers received broken? 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) | AND SECTION | n eosii | e. www.nanenvironmema | | | |
|--|-----------------------------------|------------------------------------|-----------------------|-------------|-------------|-----------------|
| Chain of Custody 1. Is Chain of Custody complete? 2. How was the sample delivered? Citient Log In 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C Yes | Client Name: HILCORP | ENERGY Work Orde | r Number: 2309D08 | | RcptNo: | 1 |
| Chain of Custody 1. Is Chain of Custody complete? 2. How was the sample delivered? Client Log In 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C 5. Sample(s) in proper container(s)? 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? 12. Are matrices correctly identified on Chain of Custody? 23. Is it clear what analyses were requested? 4. Were all holding times able to be met? 4. Were all holding times able to be met? 4. Were all holding times able to be met? 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? 12. Are matrices correctly identified on Chain of Custody? 23. Is it clear what analyses were requested? 44. Were all holding times able to be met? (10. no notify customer for authorization.) 11. Does paperwork match bottle labels? (20 or >12 unless note Adjusted? Adjusted? Adjusted? Adjusted? Adjusted? All person Notified: Date: By Whom: Regarding: Client Instructions | Received By: Juan Roia | as 9/23/2023 7: | 00:00 AM | flans g | | |
| Chain of Custody 1. Is Chain of Custody complete? 2. How was the sample delivered? Citient Log In 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C Yes | | | | 16.11 | | |
| 1. Is Chain of Custody complete? 2. How was the sample delivered? 2. How was the sample delivered? 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C 4. Were all samples received at a temperature of >0° C to 6.0°C 5. Sample(s) in proper container(s)? 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) property preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 2. Are matrices correctly identified on Chain of Custody? 3. Is it clear what analyses were requested? (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No No NA Person Notified: Date: By Whom: Via:eMailPhoneFaxIn Person Regarding: Client Instructions: | _ | 9/15/13 | 00.20 / W | Gene | | |
| 1. Is Chain of Custody complete? 2. How was the sample delivered? 2. How was the sample delivered? 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C 4. Were all samples received at a temperature of >0° C to 6.0°C 5. Sample(s) in proper container(s)? 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No | Chain of Custody | | | | | |
| 2. How was the sample delivered? Log In 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C 4. Were all samples received at a temperature of >0° C to 6.0°C 5. Sample(s) in proper container(s)? 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Ves | | olete? | Yes 🗸 | No 🗌 | Not Present | |
| 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0° C 4. Were all samples received at a temperature of >0° C to 6.0° C 4. Were all samples received at a temperature of >0° C to 6.0° C 5. Sample(s) in proper container(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified: Date: By Whom: Via:eMailPhoneFaxIn Person Regarding: Client Instructions: | | | | | | |
| 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C 4. Were all samples received at a temperature of >0° C to 6.0°C 5. Sample(s) in proper container(s)? 7. Are sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Via: eMail Phone Fax In Person Regarding: Client Instructions: | Loa In | | | | | |
| 5. Sample(s) in proper container(s)? Yes No No No Are sample volume for indicated test(s)? Are samples (except VOA and ONG) properly preserved? No No No No No No No No | | cool the samples? | Yes 🗌 | No 🗌 | NA 🗹 | |
| 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no. notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Regarding: Client Instructions: | 4. Were all samples received | d at a temperature of >0° C to 6.0 | 0°C Yes □ | No 🗌 | NA 🗹 | |
| 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no. notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Via:eMailPhoneFaxIn Person Regarding: Client Instructions: | 5. Sample(s) in proper conta | niner(s)? | Yes 🗸 | No 🗌 | | |
| 8. Was preservative added to bottles? Yes No No NA | 6. Sufficient sample volume | for indicated test(s)? | Yes 🗹 | No 🗌 | | |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No 4 vial with headspace <1/4" for AQ VOA? Yes No 4 vial with headspace <1/4" for AQ VOA? Yes No 4 vial with headspace <1/4" for AQ VOA? Yes No 4 vial with headspace <1/4" for AQ VOA? Yes No 4 vial with headspace <1/4" for AQ VOA? Yes No 4 vial with headspace <1/4" for AQ VOA? Yes No 4 vial with headspace <1/4" for AQ VOA? Yes No 5 vial with headspace <1/4" for AQ VOA? Yes No 5 vial with headspace <1/4" for AQ VOA? Yes No 5 vial with headspace <1/4" for AQ VOA? Yes No 5 vial with headspace <1/4" for AQ VOA? Yes No 5 vial with headspace <1/4" for AQ VOA? Yes No 5 vial with headspace <1/4" for AQ VOA? Yes No 5 vial with headspace <1/4" for AQ VOA? Yes No 5 vial with headspace <1/4" for AQ VOA? Yes No 5 vial with headspace <1.1" for AQ VOA? Yes No 5 vial with headspace <1.1" for AQ VOA? Yes Vial vial vial with headspace <1.1" for AQ VOA? Yes Vial vial vial vial vial vial vial vial v | 7. Are samples (except VOA | and ONG) properly preserved? | Yes 🗸 | | π | |
| 10. Were any sample containers received broken? Yes No Work for preserved bottles checked for pH: (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no. notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Regarding: Client Instructions: | 8. Was preservative added to | o bottles? | Yes | No 🗹 | NA 🗌 | |
| # of preserved bottles checked for pH: (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: | 9. Received at least 1 vial wi | th headspace <1/4" for AQ VOA? | Yes 🗌 | No 🗌 | NA 🗹 | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no. notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Regarding: Client Instructions: No | 10. Were any sample contain | ers received broken? | Yes | No 🗹 | | |
| 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no. notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Regarding: Client Instructions: | | | Yes 🗹 | No 🗆 | for pH: | 10l |
| 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no. notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Regarding: Client Instructions: | | | Yee M | No 🗔 | | 12 unless notem |
| 14. Were all holding times able to be met? (If no. notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Regarding: Client Instructions: Yes No No NA Person No NA In Person Regarding: Client Instructions: | | | | | | |
| (If no. notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Person Notified: By Whom: Regarding: Client Instructions: | | | | | Checked by: | ma/25/2 |
| Person Notified: By Whom: Regarding: Client Instructions: Yes No No NA P No NA P | | | 100 🖭 | | | |
| Person Notified: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: | Special Handling (if ap | plicable) | | | | |
| By Whom: Via:eMailPhoneFaxIn Person Regarding: Client Instructions: | 15. Was client notified of all of | discrepancies with this order? | Yes | No 🗌 | NA 🗹 | |
| Regarding: Client Instructions: | Person Notified: | | Date: | | | |
| Client Instructions: | By Whom: | | Via: eMail | Phone 🗌 Fax | ☐ In Person | |
| | Regarding: | | | | | |
| 16. Additional remarks: | Client Instructions: | | | | | |
| | 16. Additional remarks: | | | | | |
| 17. Cooler Information | | | | | | |
| Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 1 NA Good Yes NA | | | al No Seal Date | Signed By | | |

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as Released to Imaging: 7/3/2024 7:42:25 AM



APPENDIX D

NMOCD Correspondence

From: <u>Velez, Nelson, EMNRD</u>

To: <u>Stuart Hyde</u>

Cc: <u>Kate Kaufman</u>; <u>Matt Henderson</u>; <u>Devin Hencmann</u>

Subject: Re: [EXTERNAL] Hare 14M and Howell M#1 Quarterly Reports

Date: Wednesday, July 5, 2023 7:51:15 AM

Attachments: <u>image001.png</u>

image002.png image003.png image004.png Outlook-gf0i1snp.png

[**EXTERNAL EMAIL**]

Good morning Stuart,

Thanks for the correspondence. Hilcorp can submit the first quarterly report summarizing both Q2 and Q3 activities (due October 15, 2023).

Hilcorp must submit quarterly reports similar to the current active SVE sites, no later than the 15th in April (1Q), July (2Q), October (3Q), and January (4Q).

Please keep a copy of this communication for inclusion within the appropriate report submittal. Thanks again.

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/



From: Stuart Hyde <shyde@ensolum.com>

Sent: Monday, July 3, 2023 12:05 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

Cc: Kate Kaufman < kkaufman@hilcorp.com>; Matt Henderson < mhenderson@hilcorp.com>; Devin

Hencmann < dhencmann@ensolum.com>

Subject: [EXTERNAL] Hare 14M and Howell M#1 Quarterly Reports

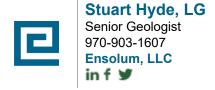
CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Nelson,

Two things I wanted to clarify regarding the quarterly reports for the Hare 14M and Howell M#1 sites.

- 1. Both systems were started at the beginning of June and we only have a few data points for the second quarter 2023. Can we submit the first quarterly report summarizing both Q2 and Q3 activities? Or should we prepare a Q2 2023 report for the June data?
- 2. I did not see due dates associated with the quarterly reports in the conditions of approval. When are the quarterly reports due after the end of the subject quarter?

Thanks and happy 4th!



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1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 275358

CONDITIONS

| Operator: | OGRID: |
|------------------------|--|
| HILCORP ENERGY COMPANY | 372171 |
| 1111 Travis Street | Action Number: |
| Houston, TX 77002 | 275358 |
| | Action Type: |
| | [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

CONDITIONS

| Created | Condition | Condition |
|---------|--|-----------|
| Ву | | Date |
| nvelez | Accepted for the record. Please see App ID 333277 for most updated status. | 7/3/2024 |