

ENSOLUM

March 25, 2024

By Mike Buchanan at 4:04 pm, May 20, 2024

New Mexico Oil Conservation Division

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

Re: 2023 Annual Groundwater Monitoring Report McCoy Gas Com D 1E San Juan County, New Mexico Hilcorp Energy Company NMOCD Incident Number: NCS2105634419

REVIEWED

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorphiance stations the 2023 Annual Groundwater Monitoring Report to the New Mexico Oil Cordition approves in A (NMOCD) to document groundwater monitoring activities conducted at the New Kelan to Com D (Enatural gas production site (Site) during 2023. The Site is located within Township 30 north and Range 12 West, San Juan Cordition as been Section 28 within Township 30 north and Range 12 West, San Juan Cordition and the Value of (Figure 1). There are currently three monitoring wells onsite which are monitoriated to satisfy groundwater elevations. Only monitoring well MW-1R is sampled quarterly. This requirementation the the results of the 2023 monitoring events. Based on current and historical datagethered at the Site, Ensolum/Hilcorp is requesting closure of the Site and no further action for 3. Ontione to sample quarterly or introduce a remediation technique to the set of the s

SITE BACKGROUND

Comprehensive Site background history, work plans, and reports prepare available on the NMOCD database. In December of 2017, Hilcorp acquired Energy, Inc. and continued to perform semi-annual monitoring of groundwat monitoring wells and semi-annual sampling of MW-1R. Quarterly monitori elevations of all wells and quarterly sampling of MW-1R was approved by commenced in October 2021. Summaries of groundwater elevation data and Land work plan if the site results from historical and current groundwater monitoring events are preser Table 2, respectively.

SITE GROUNDWATER CLEANUP STANDARDS

The NMOCD requires groundwater quality standards be met as presented by the New Mexico Water Quality Control Commission (NMWQCC) and listed in Title 20, Chapter 6, Part 2, Section 3103 (20.6.2.3103) of the New Mexico Administrative Code (NMAC). The following standards are presented for the constituents of concern (COCs) at the Site in micrograms per liter (μ g/L).

- Benzene: 5.0 µg/L
- Toluene: 1,000 µg/L

Review of the 2023 Annual Groundwater Monitoring Report for McCoy Gas Com D 1E: Content Satisfactory 1. A full eight (8) consecutive quarterly, or lesser approved number, of groundwater samples must be achieved before closure will be considered. 2. In addition, as part of the closure plan, which will need to be submitted and approved, 19.15.30.9 of the NMAC paragraph (D) " The division shall consider abatement of water contaminants measured in solid-matrix samples of the vadose zone complete after one-time sampling from

mitigate the remaining

L E N S O L U M

- Ethylbenzene: 700 µg/L
- Total Xylenes: 620 µg/L

GROUNDWATER SAMPLING ACTIVITIES AND RESULTS

Groundwater level measurements were collected in January, May, July, and October 2023 at all wells, and samples were collected from well MW-1R during these monitoring events. Static groundwater level monitoring included recording depth-to-groundwater using an oil/water interface probe. The interface probe was decontaminated with Alconox[™] soap and rinsed with distilled water prior to each measurement to prevent cross-contamination. Measured depths-to-groundwater and calculated groundwater elevations are presented in Table 1. The inferred groundwater flow direction was to the north-northeast during the 2023 sampling events, as indicated on Figures 2, 3, 4, and 5.

GROUNDWATER SAMPLING

Groundwater from monitoring well MW-1R was purged and sampled using a disposable bailer. Purging was accomplished by removing stagnant groundwater from the monitoring well prior to collecting a sample. Field measurements of groundwater quality parameters, including temperature, pH, electrical conductivity, and total dissolved solids were collected during the purging process.

Following well purging, groundwater samples were placed directly into laboratory-provided containers and labeled with the date and time of collection, well designation, project name, sample collector's name, and parameters to be analyzed. Containers were immediately sealed and packed on ice to preserve samples. Samples were submitted to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico, for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) following United State Environmental Protection Agency (EPA) Method 8260B. Proper chain-of-custody procedures were followed documenting the date and time sampled, sample number, type of sample, sample collector's name, preservative used, analyses required, and sample collector's signature.

GROUNDWATER ANALYTICAL RESULTS

Total Xylenes were detected at MW-1R above the NMWQCC standards during the May 2023 Sampling event. Besides this single exceedance, no BTEX constituents were detected in groundwater from well MW-1R at concentrations exceeding the NMWQCC standards during the rest of the quarterly sampling events in 2023. Analytical results are summarized in Table 2 and depicted on Figures 2 through 5, with complete laboratory analytical reports attached as Appendix A.

CONCLUSIONS AND RECOMMENDATIONS

BTEX concentrations in groundwater had not been detected above NMWQCC standards in well MW-1R for six consecutive quarters and 12 consecutive sampling events (since December 2018) aside from the single anomalous total Xylenes exceedance in May 2023. In addition, benzene and toluene have been below laboratory reporting limits for the past seven sampling events. Based on current and historical data gathered at the Site, petroleum impacts at the Site have been successfully remediated to below applicable closure criteria/standards. As such, Ensolum/Hilcorp requests closure of the Site and no further action for NMOCD Incident Number NCS2105634419.



Ensolum appreciates the opportunity to provide these environmental services to Hilcorp. Please contact either of the undersigned with any questions.

Sincerely,

Ensolum, LLC

Wer Winhert

Wes Weichert, PG Project Geologist (816) 266-8732 wweichert@ensolum.com

Stuart Hyde, PG Senior Geologist (970) 903-1607 shyde@ensolum.com

E N S O L U M

Attachments:

- Figure 1 Site Location Map
- Figure 2 Groundwater Elevation and Analytical Results (January 2023)
- Figure 3 Groundwater Elevation and Analytical Results (May 2023)
- Figure 4 Groundwater Elevation and Analytical Results (July 2023)
- Figure 5 Groundwater Elevation and Analytical Results (October 2023)
- Table 1Groundwater Elevation Summary
- Table 2Groundwater Analytical Results
- Appendix A Laboratory Analytical Reports

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FIGURES

Released to Imaging: 5/20/2024 4:23:47 PM

Received by OCD: 3/25/2024 9:42:53 AM





Sources: Google Earth ·



Sources: Google Earth ·



Sources: Google Earth ·



Sources: Google Earth



TABLES

E N S O L U M

| TABLE 1 GROUNDWATER ELEVATIONS McCoy Gas Com D #1E Hilcorp Energy Company San Juan County, New Mexico | | | | | | | | | |
|---|---|------------|--|---------------------------------|-----------------------------|--|--|--|--|
| Well Identification | Top of Casing Elevation (feet AMSL) | Date | Depth to Groundwater (feet BTOC) | Depth to Product (feet BTOC) | Product Thickness (feet) | Groundwate Elevation (feet AMSL) | | | |
| | | 10/16/2006 | 32.86 | | | 5,502.27 | | | |
| | | 5/16/2007 | 30.69 | | | 5,504.44 | | | |
| | | 7/23/2007 | 30.57 | | | 5,504.56 | | | |
| | | 9/27/2007 | 32.01 | | | 5,503.12 | | | |
| | | 11/27/2007 | 34.60 | | | 5,500.53 | | | |
| MW-1 | 5,535.13 | 5/13/2008 | 31.97 | | | 5,503.16 | | | |
| | 0,000.10 | 1/21/2009 | 36.88 | | | 5,498.25 | | | |
| | | 5/26/2009 | 30.68 | | | 5,504.45 | | | |
| | | 5/25/2010 | 30.13 | | | 5,505.00 | | | |
| | | 8/12/2010 | 30.87 | | | 5,504.26 | | | |
| | | 11/17/2010 | 33.96 | | | 5,501.17 | | | |
| | | 2/14/2011 | 37.27 | | | 5,497.86 | | | |
| | | 5/17/2011 | 29.31 | | | 5,504.27 | | | |
| | | 8/9/2011 | 29.04 | | | 5,504.54 | | | |
| | | 11/9/2011 | 31.51 | | | 5,502.07 | | | |
| | | 3/8/2012 | 37.41 | 37.07 | 0.34 | 5,496.44 | | | |
| | | 6/14/2012 | 28.39 | 28.29 | 0.10 | 5,505.27 | | | |
| | | 9/12/2012 | 29.89 | | | 5,503.69 | | | |
| | | 12/21/2012 | 34.22 | 34.19 | 0.03 | 5,499.38 | | | |
| | | 3/14/2013 | 38.31 | | | 5,495.27 | | | |
| | | 6/17/2013 | 28.05 | | | 5,505.53 | | | |
| | | 9/11/2013 | 29.11 | | | 5,504.47 | | | |
| | | 12/16/2013 | 34.61 | | | 5,498.97 | | | |
| | | 3/12/2014 | 35.78 | | | 5,497.80 | | | |
| | | 6/11/2014 | 28.05 | | | 5,505.53 | | | |
| | | 9/22/2014 | 29.25 | | | 5,504.33 | | | |
| | | 12/9/2014 | 34.61 | | | 5,498.97 | | | |
| | | 3/12/2015 | 35.55 | | | 5,498.03 | | | |
| | | 6/11/2015 | 28.35 | | | 5,505.23 | | | |
| | | 9/21/2015 | 29.20 | | | 5,504.38 | | | |
| | | 12/21/2015 | 34.20 | | | 5,499.38 | | | |
| MW-1R | 5,533.58 | 6/20/2016 | 29.20 | | | 5,504.38 | | | |
| | -, | 12/14/2016 | 34.22 | | | 5,499.36 | | | |
| | | 6/26/2017 | 28.95 | | | 5,504.63 | | | |
| | | 12/12/2017 | 34.03 | | | 5,499.55 | | | |
| | | 6/28/2018 | 28.42 | | | 5,505.16 | | | |
| | | 12/10/2018 | 33.67 | | | 5,499.91 | | | |
| | | 6/20/2019 | 29.59 | | | 5,503.99 | | | |
| | | 12/9/2019 | 34.12 | | | 5,499.46 | | | |
| | | 3/18/2020 | 38.79 | | | 5,494.79 | | | |
| | | 6/22/2020 | 28.78 | | | 5,504.80 | | | |
| | | 1/26/2021 | 35.33 | | | 5,498.25 | | | |
| | | 6/22/2021 | 28.69 | | | 5,504.89 | | | |
| | | 10/27/2021 | 31.22 | | | 5,502.36 | | | |
| | | 2/10/2022 | 35.46 | | | 5,498.12 | | | |
| | | 4/28/2022 | 33.78 | | | 5,499.80 | | | |
| | | 7/29/2022 | 29.10 | | | 5,504.48 | | | |
| | | 10/26/2022 | 31.19 | | | 5,502.39 | | | |
| | | 1/13/2023 | 35.13 | | | 5,498.45 | | | |
| | | 5/11/2023 | 34.46 | | | 5,499.12 | | | |
| | | 7/24/2023 | 29.57 | | | 5,504.01 5,503.30 | | | |

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| | TABLE 1 GROUNDWATER ELEVATIONS McCoy Gas Com D #1E Hilcorp Energy Company San Juan County, New Mexico | | | | | | | | | |
|---------------------|---|-----------------------|--|---------------------------------|-----------------------------|--|--|--|--|--|
| Well Identification | Top of Casing Elevation (feet AMSL) | Date | Depth to Groundwater (feet BTOC) | Depth to Product (feet BTOC) | Product Thickness (feet) | Groundwate Elevation (feet AMSL) | | | | |
| | | 5/17/2007 | 30.56 | | | 5,505.12 | | | | |
| | | 7/23/2007 | 31.98 | | | 5,503.70 | | | | |
| | | 9/27/2007 | 32.44 | | | 5,503.24 | | | | |
| | | 11/27/2007 | 35.29 | | - | 5,500.39 | | | | |
| | | 5/13/2008 | 31.98 | | | 5,503.70 | | | | |
| | | 5/26/2009 | 36.46 | | | 5,499.22 | | | | |
| | | 5/25/2010 | 29.88 | | | 5,505.80 | | | | |
| | | 8/12/2010 | 31.30 | | | 5,504.38 | | | | |
| | | 11/17/2010 | 34.61 | | Dry | 5,501.07 | | | | |
| | | 2/14/2011 | 20.60 | | i I | E EQE 08 | | | | |
| | | 5/17/2011 8/9/2011 | 30.60 31.22 | | | 5,505.08 5,504.46 | | | | |
| | | 11/9/2011 | 31.22 | | | 5,504.46 | | | | |
| | | 3/8/2012 | 33.70 | | Dry | 5,501.96 | | | | |
| | | 6/14/2012 | 29.66 | | | 5,506.02 | | | | |
| | | 9/12/2012 | 31.77 | | | 5,503.91 | | | | |
| | | 12/21/2012 | 36.44 | | | 5,499.24 | | | | |
| | | 3/14/2013 | 00.44 | |)ry | 0,400.24 | | | | |
| | | 6/17/2013 | 29.45 | | | 5,506.23 | | | | |
| | | 9/11/2013 | 31.11 | | | 5,504.57 | | | | |
| | | 12/16/2013 | | 0 | BS | 0,00 | | | | |
| | | 3/12/2014 | | | BS | | | | | |
| | | 6/11/2014 | 30.26 | | | 5,505.42 | | | | |
| | | 9/22/2014 | 31.11 | | | 5,504.57 | | | | |
| | | 12/9/2014 | 34.31 | | | 5,501.37 | | | | |
| MW-2 | 5,535.68 | 3/12/2015 | | C |)ry | | | | | |
| | | 6/11/2015 | 30.00 | | | 5,505.68 | | | | |
| | | 9/21/2015 | 30.96 | | | 5,504.72 | | | | |
| | | 12/21/2015 | | C | Dry | | | | | |
| | | 6/20/2016 | 31.63 | | | 5,504.05 | | | | |
| | | 12/14/2016 | | D | Dry | | | | | |
| | | 6/26/2017 | 30.63 | | | 5,505.05 | | | | |
| | | 12/12/2017 | | D | Dry | | | | | |
| | | 6/28/2018 | 30.10 | | | 5,505.58 | | | | |
| | | 12/10/2018 | | C |)ry | | | | | |
| | | 6/20/2019 | 31.57 | | | 5,504.11 | | | | |
| | | 12/9/2019 | | | Dry | | | | | |
| | | 3/18/2020 | ļ | Dry/OB | S @ 2.69 | | | | | |
| | | 6/22/2020 | 30.37 | | | 5,505.31 | | | | |
| | | 1/26/2021 | | |)ry | | | | | |
| | | 6/22/2021 | | 1 | S @ 2.70 | - | | | | |
| | | 10/27/2021 | 33.35 | <u> </u> | | 5,502.33 | | | | |
| | | 2/10/2022 | | | Dry | | | | | |
| | | 4/28/2022 | | 1 | Dry | | | | | |
| | | 7/29/2022 | 30.78 | | | 5,504.90 | | | | |
| | | 10/26/2022 | 33.32 | | | 5,502.36 | | | | |
| | | 1/13/2023 | | |)ry | | | | | |
| | | 5/11/2023 | 24.05 | 1 | Dry | E E04.40 | | | | |
| | | 7/24/2023 | 31.25 | | | 5,504.43 | | | | |
| | | 10/6/2023 | 32.25 | | | 5,503.43 | | | | |

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| | TABLE 1 GROUNDWATER ELEVATIONS McCoy Gas Com D #1E Hilcorp Energy Company San Juan County, New Mexico | | | | | | | | | |
|---------------------|---|-------------------------|--|---------------------------------|-----------------------------|---|--|--|--|--|
| Well Identification | Top of Casing Elevation (feet AMSL) | Date | Depth to Groundwater (feet BTOC) | Depth to Product (feet BTOC) | Product Thickness (feet) | Groundwater Elevation (feet AMSL) | | | | |
| | | 5/17/2007 | 21.55 | | | 5,505.56 | | | | |
| | | 7/23/2007 | 30.65 | | | 5,496.46 | | | | |
| | | 9/27/2007 | 24.02 | | | 5,503.09 | | | | |
| | | 11/27/2007 | 28.94 | | | 5,498.17 | | | | |
| | | 5/12/2008 | 22.55 | | | 5,504.56 | | | | |
| | | 5/26/2009 | 21.37 | | | 5,505.74 | | | | |
| | | 5/25/2010 | 20.99 | | | 5,506.12 | | | | |
| | | 8/12/2010 | 23.03 26.85 | | | 5,504.08 | | | | |
| | | 11/17/2010 2/14/2011 | 20.00 | | Dry | 5,500.26 | | | | |
| | | 5/17/2011 | 21.49 | | | 5,505.62 | | | | |
| | | 8/9/2011 | 21.49 | | | 5,504.99 | | | | |
| | | 11/9/2011 | 25.69 | | | 5,501.42 | | | | |
| | | 3/8/2012 | | | Dry | -, | | | | |
| | | 6/14/2012 | 20.97 | | | 5,506.14 | | | | |
| | | 9/12/2012 | 23.31 | | | 5,503.80 | | | | |
| | | 12/21/2012 | 30.61 | | | 5,496.50 | | | | |
| | | 3/14/2013 | | C |)ry | | | | | |
| | | 6/17/2013 | 20.80 | | | 5,506.31 | | | | |
| | | 9/11/2013 | 22.75 | | | 5,504.36 | | | | |
| | | 12/16/2013 | 31.95 | | | 5,495.16 | | | | |
| | | 3/12/2014 | | C | Dry | | | | | |
| | | 6/11/2014 | 20.93 | | | 5,506.18 | | | | |
| | | 9/22/2014 | 22.62 | | | 5,504.49 | | | | |
| MW-3 | 5,527.11 | 12/9/2014 | 29.24 | | | 5,497.87 | | | | |
| | | 3/12/2015 6/11/2015 | 32.60 21.30 | | | 5,494.51 5,505.81 | | | | |
| | | 9/21/2015 | 21.30 | | | 5,504.98 | | | | |
| | | 12/21/2015 | 30.65 | | | 5,496.46 | | | | |
| | | 6/20/2016 | 22.33 | | | 5,504.78 | | | | |
| | | 12/14/2016 | 31.10 | | | 5,496.01 | | | | |
| | | 6/26/2017 | 21.97 | | | 5,505.14 | | | | |
| | | 12/12/2017 | 30.44 | | | 5,496.67 | | | | |
| | | 6/28/2018 | 21.63 | | | 5,505.48 | | | | |
| | | 12/10/2018 | 29.65 | | | 5,497.46 | | | | |
| | | 6/20/2019 | 22.92 | | | 5,504.19 | | | | |
| | | 12/9/2019 | 30.79 | | | 5,496.32 | | | | |
| | | 3/18/2020 | | | Dry | | | | | |
| | | 6/22/2020 | 21.72 | | | 5,505.39 | | | | |
| | | 1/26/2021 | 04 = 2 | |)ry | | | | | |
| | | 6/22/2021 | 21.76 | | | 5,505.35 | | | | |
| | | 10/27/2021 2/10/2022 | 24.87 | <u>г</u> | Dry | 5,502.24 | | | | |
| | | 4/28/2022 | | |)ry | | | | | |
| | | 7/29/2022 | 22.28 | L | | 5,504.83 | | | | |
| | | 10/26/2022 | 22.28 | | | 5,502.27 | | | | |
| | | 1/13/2023 | 27.04 | | Dry | 0,002.27 | | | | |
| | | 5/11/2023 | | |)ry | | | | | |
| | | 7/24/2023 | 22.54 | | | 5,504.57 | | | | |
| | | 10/6/2023 | 23.59 | | | 5,503.52 | | | | |

Notes:

AMSL: above mean sea level

BTOC: below top of casing

NP: No Product

OBS: Obstruction in well

--: indicates no GWEL or PSH measured

Groundwater elevation is adjusted using a density correction factor of 0.8 when product is present

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| | | Mc Hilc | TABLE 1 DWATER ELEV COy Gas Com D # corp Energy Comp uan County, New M | t1E any | | |
|---------------------|---|------------|--|---------------------------------|-----------------------------|---|
| Well Identification | Top of Casing Elevation (feet AMSL) | Date | Depth to Groundwater (feet BTOC) | Depth to Product (feet BTOC) | Product Thickness (feet) | Groundwater Elevation (feet AMSL) |

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*: New Top of Casing Elevation; Casing Cut Off 1.55 Feet to Remove ORC Socks in May 2011, well designation changed to MW-1R

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Well Identi

| TABLE 2 GROUNDWATER ANALYTICAL RESULTS McCoy Gas Com D #1E Hilcorp Energy Company San Juan County, New Mexico | | | | | | | | | | |
|---|-------------|-------------------|-------------------|------------------------|-------------------------|--|--|--|--|--|
| Identification | Sample Date | Benzene (μg/L) | Toluene (μg/L) | Ethylbenzene (μg/L) | Total Xylenes (μg/L) | | | | | |
| NMWQCC | Standards | 5 | 1,000 | 700 | 620 | | | | | |
| | 10/16/2006 | 22 | 2,500 | 2,700 | 19,000 | | | | | |
| | 5/16/2007 | 30 | 760 | 1,700 | 24,000 | | | | | |
| | 5/13/2008 | <10 | 640 | 540 | 11,000 | | | | | |
| | 1/21/2009 | <100 | 1,200 | 1,100 | 12,000 | | | | | |
| MW-1 | 5/26/2009 | <10 | 620 | 640 | 11,000 | | | | | |
| ŀ | 5/25/2010 | 130 | 160 | 430 | 7,100 | | | | | |
| f | 8/12/2010 | 120 | <120 | 260 | 6,700 | | | | | |
| - | 11/17/2010 | 360 | <2,500 | 1,400 | 16,000 | | | | | |
| ŀ | 2/14/2011 | 16 | 1,000 | 870 | 13,000 | | | | | |
| | | | | | | | | | | |
| Ļ | 5/17/2011 | 300 | 290 | 850 | 13,000 | | | | | |
| Ļ | 8/9/2011 | <5 | 53.6 | 19.3 | 6,220 | | | | | |
| Ļ | 11/9/2011 | 11 | <50 | <5 | 1,600 | | | | | |
| | 3/8/2012 | - | | | | | | | | |
| | 6/14/2012 | 120 | 110 | 750 | 5,000 | | | | | |
| | 9/12/2012 | 78 | <250 | 120 | 4,600 | | | | | |
| ſ | 12/21/2012 | <25 | <250 | 280 | 7,400 | | | | | |
| Ī | 3/21/2013 | 98 | <250 | <25.0 | 7,100 | | | | | |
| ſ | 6/17/2013 | 66 | <250 | 94 | 4,500 | | | | | |
| l l | 9/11/2013 | 33 | <25 | 76 | 840 | | | | | |
| Ē | 12/13/2013 | 52 | <100 | 160 | 2,000 | | | | | |
| ŀ | 3/12/2014 | 100 | <120 | 680 | 8,800 | | | | | |
| ŀ | 6/11/2014 | 36 | <25 | 430 | 4,100 | | | | | |
| | 9/22/2014 | 2.7 | <25 | 490 | 1,400 | | | | | |
| ŀ | | | | 490 840 | , | | | | | |
| | 12/9/2014 | <9.5 | <250 | | 8,500 | | | | | |
| | 3/12/2015 | 96 | <25 | 860 | 8,900 | | | | | |
| - | 6/11/2015 | <25 | <250 | 610 | 5,700 | | | | | |
| | 9/21/2015 | 25 | <5 | 525 | 4,340 | | | | | |
| | 12/21/2015 | 93 | <250 | 765 | 7,850 | | | | | |
| MW-1R | 6/20/2016 | 56 | <25.0 | 617 | 5,370 | | | | | |
| | 12/14/2016 | <25.0 | <50.0 | 961 | 9,700 | | | | | |
| [| 6/26/2017 | <12.5 | <25.0 | 457 | 3,890 | | | | | |
| Ī | 12/3/2017 | 108 | <100 | 790 | 8,050 | | | | | |
| ſ | 6/28/2018 | <5.0 | <5.0 | 430 | 3,200 | | | | | |
| | 12/10/2018 | <5.0 | <5.0 | 730 | 6,400 | | | | | |
| ľ | 6/19/2019 | <2.5 | <2.5 | 4.3 | <5.0 | | | | | |
| - | 12/9/2019 | <1.0 | <1.0 | 20 | <2.0 | | | | | |
| ŀ | 3/18/2020 | <1.0 | <1.0 | 130 | 110 | | | | | |
| ŀ | 6/22/2020 | <2.0 | <2.0 | 21 | 12 | | | | | |
| ŀ | | | | | | | | | | |
| ŀ | 1/26/2021 | 2.13 | <1.0 | 184 | 305 | | | | | |
| ŀ | 6/22/2021 | <1.0 | <1.0 | 47 | 17 | | | | | |
| ŀ | 10/27/2021 | <2.0 | <2.0 | 39 | 230 | | | | | |
| - | 2/10/2022 | <2.0 | <2.0 | 98 | 300 | | | | | |
| Ļ | 4/28/2022 | <2.0 | <2.0 | 170 | 580 | | | | | |
| Ļ | 7/29/2022 | <2.0 | <2.0 | 6.9 | 52 | | | | | |
| | 10/26/2022 | <5.0 | <5.0 | 12.0 | 100 | | | | | |
| | 1/13/2023 | <2.0 | <2.0 | 120 | 530 | | | | | |
| | 5/11/2023 | <2.0 | <2.0 | 120 | 720 | | | | | |
| T I I I I I I I I I I I I I I I I I I I | 7/24/2022 | <2.0 | <2.0 | 5.2 | F.2 | | | | | |

Notes:

µg/L: micrograms per liter

MW-2

MW-3

NMWQCC: New Mexico Water Quality Control Commission

--: not analyzed

<0.037: indicates result less than the stated laboratory reporting limit (RL)

7/24/2023

10/6/2023

5/17/2007

5/13/2008

5/25/2010

5/17/2007

5/12/2008

5/25/2010

Concentrations in **bold** and highlighted exceed the New Mexico Water Quality Control Commission Standards, 20.6.2 of the New Mexico Administrative Code

<2.0

<1.0

<1.0

<1.0

<1.0

<1.0

<1.0

<1.0

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53 130

3.10

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<2.0

.



APPENDIX A

Laboratory Analytical Reports

Released to Imaging: 5/20/2024 4:23:47 PM



January 18, 2023

Mitch Killough HILCORP ENERGY PO Box 4700 Farmington, NM 87499 TEL: (505) 564-0733 FAX:

RE: McCoy Gas Com D 1E

OrderNo.: 2301554

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Mitch Killough:

Hall Environmental Analysis Laboratory received 1 sample(s) on 1/14/2023 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 2301554

Hall Environmental Analysis Laboratory, Inc. Date Reported: 1/18/2023

| CLIENT | : HILCORP ENERGY | | Client Sa | nple ID | : MW-1 | R | | | | |
|----------|--------------------------|--|-----------|----------|----------|----------------------|--|--|--|--|
| Project: | McCoy Gas Com D 1E | Collection Date: 1/13/2023 12:35:00 PM | | | | | | | | |
| Lab ID: | 2301554-001 | Matrix: AQUEOUS | Receiv | ed Date: | : 1/14/2 | 023 9:20:00 AM | | | | |
| Analyses | | Result | RL Qual | Units | DF | Date Analyzed | | | | |
| EPA ME | THOD 8260: VOLATILES SHO | ORT LIST | | | | Analyst: CCM | | | | |
| Benzene | 9 | ND | 2.0 | µg/L | 2 | 1/16/2023 7:57:00 PM | | | | |
| Toluene | | ND | 2.0 | µg/L | 2 | 1/16/2023 7:57:00 PM | | | | |
| Ethylber | izene | 120 | 2.0 | µg/L | 2 | 1/16/2023 7:57:00 PM | | | | |
| Xylenes, | Total | 530 | 3.0 | µg/L | 2 | 1/16/2023 7:57:00 PM | | | | |
| Surr: | 1,2-Dichloroethane-d4 | 111 | 70-130 | %Rec | 2 | 1/16/2023 7:57:00 PM | | | | |
| Surr: | 4-Bromofluorobenzene | 98.4 | 70-130 | %Rec | 2 | 1/16/2023 7:57:00 PM | | | | |
| Surr: | Dibromofluoromethane | 113 | 70-130 | %Rec | 2 | 1/16/2023 7:57:00 PM | | | | |
| Surr: | Toluene-d8 | 100 | 70-130 | %Rec | 2 | 1/16/2023 7:57:00 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. S
- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range Reporting Limit

RL

Page 1 of 2

.

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client: HIL | .CORP ENERG | Y | | | | | | | | |
|---|---|---|---|-------------|---|---|---|--------------------|-----------------------|------|
| Project: Mc | Coy Gas Com D |) 1E | | | | | | | | |
| Sample ID: 100ng Ics | Samp | Гуре: LC | S | Tes | stCode: EF | PA Method | 8260: Volatile | s Short Li | st | |
| Client ID: LCSW | Batc | h ID: SL | 93966 | F | RunNo: 93 | 3966 | | | | |
| Prep Date: | Analysis [| Date: 1/ | 16/2023 | 5 | SeqNo: 3 | 393533 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 21 | 1.0 | 20.00 | 0 | 106 | 70 | 130 | | | |
| Toluene | 21 | 1.0 | 20.00 | 0 | 105 | 70 | 130 | | | |
| Surr: 1,2-Dichloroethane-d4 | 10 | | 10.00 | | 101 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 10 | | 10.00 | | 101 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 10 | | 10.00 | | 103 | 70 | 130 | | | |
| Surr: Toluene-d8 | 9.8 | | 10.00 | | 98.0 | 70 | 130 | | | |
| | 0.0 | | 10.00 | | 00.0 | | 100 | | | |
| Sample ID: mb | | Гуре: МЕ | | Tes | | | 8260: Volatile | s Short Li | st | |
| | Samp | Гуре: МЕ h ID: SL | BLK | | | PA Method | | s Short Li | st | |
| Sample ID: mb | Samp | h ID: SL | BLK 93966 | F | tCode: EF | PA Method 3966 | | es Short Li | st | |
| Sample ID: mb Client ID: PBW | Samp ⁻ Batc | h ID: SL | BLK 93966 16/2023 | F | stCode: EF RunNo: 93 | PA Method 3966 | 8260: Volatile | s Short Li %RPD | st RPDLimit | Qual |
| Sample ID: mb Client ID: PBW Prep Date: Analyte | Samp ⁻ Batc Analysis I | h ID: SL Date: 1/ | BLK 93966 16/2023 | F | stCode: EF RunNo: 93 SeqNo: 33 | PA Method 3966 393534 | 8260: Volatile Units: μg/L | | | Qual |
| Sample ID: mb Client ID: PBW Prep Date: | Samp ⁻ Batc Analysis I Result | h ID: SL Date: 1/ PQL | BLK 93966 16/2023 | F | stCode: EF RunNo: 93 SeqNo: 33 | PA Method 3966 393534 | 8260: Volatile Units: μg/L | | | Qual |
| Sample ID: mb Client ID: PBW Prep Date: Analyte Benzene Toluene | Samp Batc Analysis I Result ND | h ID: SL Date: 1/ PQL 1.0 | BLK 93966 16/2023 | F | stCode: EF RunNo: 93 SeqNo: 33 | PA Method 3966 393534 | 8260: Volatile Units: μg/L | | | Qual |
| Sample ID: mb Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene | Samp Batc Analysis I Result ND ND | h ID: SL Date: 1 / PQL 1.0 1.0 | BLK 93966 16/2023 | F | stCode: EF RunNo: 93 SeqNo: 33 | PA Method 3966 393534 | 8260: Volatile Units: μg/L | | | Qual |
| Sample ID: mb Client ID: PBW Prep Date: Analyte Benzene Toluene | Samp ⁻ Batc Analysis I Result ND ND ND | h ID: SL Date: 1/ <u>PQL</u> 1.0 1.0 1.0 | BLK 93966 16/2023 | F | stCode: EF RunNo: 93 SeqNo: 33 | PA Method 3966 393534 | 8260: Volatile Units: μg/L | | | Qual |
| Sample ID: mb Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total | Samp Batc Analysis I Result ND ND ND ND ND 10 | h ID: SL Date: 1/ <u>PQL</u> 1.0 1.0 1.0 | 3LK 93966 16/2023 SPK value | F | stCode: EF RunNo: 9; SeqNo: 3; %REC | PA Method 3966 393534 LowLimit | 8260: Volatile Units: μg/L HighLimit | | | Qual |
| Sample ID: mb Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4 | Samp Batc Analysis I Result ND ND ND ND 10 9.8 | h ID: SL Date: 1/ <u>PQL</u> 1.0 1.0 1.0 | BLK 93966 16/2023 SPK value 10.00 | F | stCode: EF RunNo: 9: SeqNo: 3: %REC 103 | PA Method 3966 393534 LowLimit 70 | 8260: Volatile Units: μg/L HighLimit 130 | | | Qual |

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

WO#: 2301554 18-Jan-23

| Page 20 of 37 | HALL ENVIRONMEN ANALYSIS LABORATOR | | Hall Environmental Analysis Laborator 4901 Hawkins N. Albuquerque, NM 8710 TEL: 505-345-3975 FAX: 505-345-410 Website: www.hallenvironmental.com | 9 Sar |
|---------------|---|-----------|--|-------|
| | Client Name: HILCOF | RP ENERGY | Work Order Number: 2301554 | |
| | Received By: Sean L | ivingston | 1/14/2023 9:20:00 AM | Sal |
| | | ivingston | 1/14/2023 9:48:50 AM | 5_/ |
| | Reviewed By: 1- | 16-23 | | 00. |
| | Chain of Custody | | | |

mple Log-In Check List

| Client Name: | HILCORP E | NERGY | Work | Order Numb | er: 2301 | 554 | | RcptNo: 1 | |
|---|-----------------|-----------------|------------------------------|---------------|----------------|--------------|---------------|----------------------------|----|
| Received By: | Sean Livin | igston | 1/14/20 |)23 9:20:00 A | M | | Sal | yst- | |
| Completed By: | Sean Livin | igston | 1/14/20 |)23 9:48:50 A | M | | S-L | | |
| Reviewed By: | 1 1-16- | 23 | | | | | JU | Jon | |
| . 1 | | | | | | | | | |
| Chain of Cust | odv | | | | | | | | |
| 1. Is Chain of Cus | | ete? | | | Yes | | No 🗹 | Not Present | |
| 2. How was the s | | | | | | | | | |
| | | | | | <u>Couri</u> | | | | |
| <u>Log In</u> | | | | | | | | | |
| Was an attemp | ot made to c | ool the sampl | es? | | Yes | \checkmark | No 🗌 | NA 🗌 | |
| _ | | | | | | | 🗖 | _ | |
| Were all sample | es received | at a temperat | ture of >0° C | to 6.0°C | Yes | \checkmark | No 🗌 | | |
| 5. Sample(s) in pr | roper contai | ner(s)? | | | Yes | | No 🗌 | | |
| | - | ., | | | | _ | | | |
| 6. Sufficient samp | le volume fo | or indicated te | st(s)? | | Yes | ✓ | No 🗌 | | |
| 7. Are samples (e: | xcept VOA a | and ONG) pro | perly preserve | ed? | Yes | ✓ | No 🗌 | | |
| 8. Was preservativ | ve added to | bottles? | | | Yes [| | No 🗹 | NA 🗌 | |
| | | | -4 (4) (| (0.4.0 | V I | | | | |
| 9. Received at lea | | | | /OA? | Yes [Yes [| | No 🛄 | | |
| 0. Were any samp | pie containe | rs received b | roken? | | Yes 1 | | No 🔽 | # of preserved | |
| 1. Does paperworl | k match boti | le labels? | | | Yes | ~ | No 🗌 | bottles checked for pH: | |
| (Note discrepan | | |) | | 100 1 | | | (<2 or >12 unless note | d) |
| 2. Are matrices co | rrectly ident | ified on Chair | n of Custody? | | Yes | \checkmark | No 🗌 | Adjusted? | |
| 3. Is it clear what a | | | ? | | Yes | | No 🗌 | | |
| 4. Were all holding (If no, notify cus | - | | | | Yes | \checkmark | No 🗌 | Checked by: JA 116 | 12 |
| | | | | | | | 2 | | |
| pecial Handlin | | | | | | _ | | | |
| 15. Was client noti | fied of all dis | screpancies v | vith this order | ? | Yes | | No 🗌 | | |
| Person N | lotified: | | and the second second second | Date: | | | | | |
| By Whon | n: | | | Via: | 🗌 eMai | il 🗌 |] Phone 🗌 Fax | In Person | |
| Regardin | | | | | | | | | |
| Client Ins | structions: | | | | | | | | |
| 16. Additional rem | arks: | | | | | | | | |
| 7. <u>Cooler Inform</u> | ation | | | | | | | | |
| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Dat | te | Signed By | | |
| | 1.6 | Good | Yes | YOGI | | | | | |

| Received by OCD: 3/25/2024 9:42:53 AM Chain-of-Clistody Record | Turn-Around Time: | Page 21 of 37 |
|---|--|---|
| Client: Hilcorp Farmington NM | V chanderd | |
| | | www.hallenvironmental.com |
| Mailing Address: 382 Road 3100 Aztec, NM 87410 | McCoy Gas Com D 1E | 4901 Hawkins NE - Albuquerque, NM 87109 |
| Billing Address: PO Box 61529 Houston, TX 77208 | Project #: | Tel. 505-345-3975 Fax 505-345-4107 |
| Phone #: 505-486-9543 | | Analysis Request |
| email or Fax#: khoekstra@hilcorp.com | Project Manager: | |
| ige: | | |
| | ch Killoug | |
| Accreditation: □ Az Compliance □ NELAC □ Other | Sampler: Kurthoeksita DI and an Jinda On ice: TYes Di No | 09 |
| D EDD (Type) | 12: 1041 | 1 826 |
| | Cooler Temp(Induding CF): 1.5 + to (1=1, C* | |
| Date Time Matrix Sample Name | Container Type Preservative HEAL No. and # Type 230 (554 | |
| /235 Water | (3) 40ml VOA HCL ひつ / | |
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| | | |
| Date: Time: Relinquished by: | W. Wa: Date 1/13/2 | Remarks: Special Pricing See Andy |
| Date: Time: RelingOshéd by: 1/D/D3 183 0 / C/D/ / A A | Received by: Via: Date Time | |
| If decessary, samples submitted to Hall Environmental may by | be subcontracted to other accredited laboratories. This serves as notice of th | If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. |

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May 26, 2023

Kate Kaufman HILCORP ENERGY PO Box 4700 Farmington, NM 87499 TEL: (505) 564-0733 FAX

RE: Mc Coy Gas Com D 1E

OrderNo.: 2305707

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kate Kaufman:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/12/2023 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Surr: Toluene-d8

Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 2305707

5/19/2023 5:42:00 PM

Date Reported: 5/26/2023

| CLIENT: | HILCORP ENERGY | | Client Sa | mple ID: | : MW-1 | R | | | | |
|----------|--------------------------|-----------------|---------------------------------------|----------|----------|----------------------|--|--|--|--|
| Project: | Mc Coy Gas Com D 1E | | Collection Date: 5/11/2023 1:50:00 PM | | | | | | | |
| Lab ID: | 2305707-001 | Matrix: AQUEOUS | S Receiv | ed Date: | : 5/12/2 | 023 7:30:00 AM | | | | |
| Analyses | | Result | RL Qual | Units | DF | Date Analyzed | | | | |
| EPA ME | THOD 8260: VOLATILES SHO | ORT LIST | | | | Analyst: CCM | | | | |
| Benzene | e | ND | 2.0 | µg/L | 2 | 5/19/2023 5:42:00 PM | | | | |
| Toluene | | ND | 2.0 | µg/L | 2 | 5/19/2023 5:42:00 PM | | | | |
| Ethylber | nzene | 120 | 2.0 | µg/L | 2 | 5/19/2023 5:42:00 PM | | | | |
| Xylenes, | , Total | 720 | 30 | µg/L | 20 | 5/23/2023 3:21:00 PM | | | | |
| Surr: | 1,2-Dichloroethane-d4 | 90.7 | 70-130 | %Rec | 2 | 5/19/2023 5:42:00 PM | | | | |
| Surr: | 4-Bromofluorobenzene | 94.3 | 70-130 | %Rec | 2 | 5/19/2023 5:42:00 PM | | | | |
| C | Dibromofluoromethane | 91.1 | 70-130 | %Rec | 2 | 5/19/2023 5:42:00 PM | | | | |

106

70-130

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. S

Analyte detected in the associated Method Blank в

%Rec 2

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

Page 1 of 2

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

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9.1

9.7

10.00

10.00

10.00

| | CORP ENERG Coy Gas Com I | | | | | | | | | |
|-----------------------------|-----------------------------|-----------------|-----------|-------------|-----------------|-----------|----------------|------------|----------|------|
| Sample ID: 100ng Ics | SampT | ype: LC | s | Tes | tCode: El | PA Method | 8260: Volatile | es Short L | .ist | |
| Client ID: LCSW | Batcl | h ID: SL | 96904 | F | RunNo: 9 | 6904 | | | | |
| Prep Date: | Analysis E | Date: 5/ | /19/2023 | S | SeqNo: 3 | 515298 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 19 | 1.0 | 20.00 | 0 | 96.4 | 70 | 130 | | | |
| Toluene | 20 | 1.0 | 20.00 | 0 | 102 | 70 | 130 | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.3 | | 10.00 | | 93.4 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 10 | | 10.00 | | 102 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 9.2 | | 10.00 | | 91.5 | 70 | 130 | | | |
| Surr: Toluene-d8 | 9.8 | | 10.00 | | 97.6 | 70 | 130 | | | |
| Sample ID: mb | SampT | уре: М | BLK | Tes | tCode: El | PA Method | 8260: Volatile | es Short L | .ist | |
| Client ID: PBW | Batc | h ID: SL | .96904 | F | RunNo: 9 | 6904 | | | | |
| Prep Date: | Analysis E | Date: 5/ | /19/2023 | S | SeqNo: 3 | 515299 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 1.0 | | | | | | | | |
| Toluene | ND | 1.0 | | | | | | | | |
| Ethylbenzene | ND | 1.0 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.5 | | 10.00 | | 95.3 | 70 | 130 | | | |
| | | | | | | | | | | |

102

91.1

97.2

70

70

70

130

130

130

Qualifiers:

Surr: 4-Bromofluorobenzene

Surr: Dibromofluoromethane

Surr: Toluene-d8

- 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 ND
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

2305707

WO#:

| HALL ENVIRONMENTAL ANALYSIS LABORATORY | TEL: 505-345 | nental Analysis Labora 4901 Hawkin Albuquerque, NM 8 5-3975 FAX: 505-345- ww.hallenvironmental | ^{IS NE} 7109 Sam 4107 | ple Log-In Check List |
|---|--|--|--------------------------------------|--|
| Client Name: HILCORP ENER | GY Work Order Nu | mber: 2305707 | | RcptNo: 1 |
| Received By: Juan Rojas | 5/12/2023 7:30:0 | 0 AM | Guana g Minue Con | |
| Completed By: Michelle Garcia | · 5/12/2023 11:03: | 50 AM | Minul Gan | un) |
| Reviewed By: MD 5/12/1 | 30 15:10 | | | |
| Chain of Custody | | | | |
| 1. Is Chain of Custody complete? | | Yes 🗹 | No 🗌 | Not Present |
| 2. How was the sample delivered? | | <u>Courier</u> | | |
| Log In | | | | 🗂 |
| 3. Was an attempt made to cool the | e samples? | Yes 🗹 | No 🗌 | |
| 4. Were all samples received at a te | emperature of >0° C to 6.0°C | Yes 🗹 | No 🗌 | |
| 5. Sample(s) in proper container(s) | ? | Yes 🗹 | No 🗌 | |
| 6. Sufficient sample volume for indic | cated test(s)? | Yes 🗹 | No 🗌 | |
| 7. Are samples (except VOA and O | NG) properly preserved? | Yes 🗹 | No 🗌 | |
| 8. Was preservative added to bottle | s? | Yes 🗌 | No 🗹 | NA 🗌 |
| 9. Received at least 1 vial with head | Ispace <1/4" for AQ VOA? | Yes 🗹 | No 🗌 | |
| 10. Were any sample containers rec | eived broken? | Yes | No 🗹 🗌 | # of preserved |
| 11. Does paperwork match bottle lab (Note discrepancies on chain of c | | Yes 🗹 | | bottles checked for pH: (<2 or >12 unless noted) |
| 12. Are matrices correctly identified of | on Chain of Custody? | Yes 🗹 | No 🗌 | Adjusted? |
| 13. Is it clear what analyses were rec | uested? | Yes 🗹 | No 🗌 | -1.2/22 |
| 14. Were all holding times able to be (If no, notify customer for authoriz | | Yes 🗹 | No 🗆 . | Checked by: <u>JNST</u> [2]2) |
| Special Handling (if applicat | ole) | | | |
| 15. Was client notified of all discrepa | ancies with this order? | Yes 🗌 | No 🗌 | |
| Person Notified: | Da | te: | | |
| By Whom: | Via | a: 🗌 eMail 🗍 F | Phone 🗌 Fax 🛛 | In Person |
| Regarding: | | | | |
| Client Instructions: | | | | |
| 16. Additional remarks: | | | | |
| 17. <u>Cooler Information</u> | dition Continue Or the | Contrast. | Circuit D. | |
| Cooler No Temp °C Col 1 3.5 Good | ndition Seal Intact Seal No I Yes Morty | Seal Date | Signed By | |
| 1 | | 1 | | |
| | | | | |

Page 25 of 37

| Page 26 of 37 | ANALYSIS LABORATORY | www.hallenvironmental.com | 4901 Hawkins NE - Albuquerque, NM 87109 | Tel. 505-345-3975 Fax 505-345-4107 | Analysis Request | | | | | 928 | | | | | | | | | Remarks: Special Pricing See Andy | CMM LML LML <u>And And And And And And And And And And </u> | |
|--|-------------------------------|---------------------------|--|---|-----------------------|---|------|------------------------------------|---|--------|--|---|-------------------------|--|--|--|--|--|---|---|--|
| Turn-Around Time: | X Standard | Project Name: | McCoy Gas Com D 1E | Project #: | | Project Manager: | | Kate Kautman | Sampler: Brandon Sinclair On Ice: No | olers: | Cooler Temp(Including CF): 3 446.123.5 | Container Type Preservative HEAL No. and # 7505707 | (3) 40mi VOA HCL - Oo i | | | | | | Repeived by: Via: Date Time COMMAN S/1/23/7/7 Received by: A Via: Date Time | De subcontracted to oftref accredited laboratories. This serves as notice of this | |
| Received by QCD: 3/25/2024 9:42:53 AM Chain-OI-Custody Record | Client: Hilcorp Farmington NM | | Mailing Address: 382 Road 3100 Aztec, NM 87410 | Billing Address: PO Box 61529 Houston, TX 77208 | Phone #: 505-486-9543 | email or Fax#: Brandon.Sinclair@hilcorp.com | ige: | Standard Level 4 (Full Validation) | Accreditation: | (be) | | Date Time Matrix Sample Name | Water | | | | | | Date: Time: Relinquished by: S-11 7 7 W Strong Str | 2/1/2/1804/CMUALLOUL | |

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August 02, 2023

Mitch Killough HILCORP ENERGY PO Box 4700 Farmington, NM 87499 TEL: (505) 564-0733 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: McCoy Gas Com D 1E

OrderNo.: 2307B21

Dear Mitch Killough:

Hall Environmental Analysis Laboratory received 1 sample(s) on 7/25/2023 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,

Ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 2307B21

| CLIENT: | HILCORP ENERGY | | Client Sar | nple ID | : MW-1 | R |
|----------|-------------------------|-----------------|------------|----------|--------|----------------------|
| Project: | McCoy Gas Com D 1E | | Collecti | on Date: | 7/24/2 | 023 9:55:00 AM |
| Lab ID: | 2307B21-001 | Matrix: AQUEOUS | Receive | ed Date: | 7/25/2 | 023 6:20:00 AM |
| Analyses | | Result | RL Qual | Units | DF | Date Analyzed |
| EPA MET | THOD 8260B: VOLATILES S | HORT LIST | | | | Analyst: CCM |
| Benzene | | ND | 2.0 | µg/L | 2 | 7/27/2023 9:39:00 PM |
| Toluene | | ND | 2.0 | µg/L | 2 | 7/27/2023 9:39:00 PM |
| Ethylben | zene | 5.3 | 2.0 | µg/L | 2 | 7/27/2023 9:39:00 PM |
| Xylenes, | Total | 53 | 3.0 | µg/L | 2 | 7/27/2023 9:39:00 PM |
| Surr: 1 | ,2-Dichloroethane-d4 | 107 | 70-130 | %Rec | 2 | 7/27/2023 9:39:00 PM |
| Surr: 4 | I-Bromofluorobenzene | 121 | 70-130 | %Rec | 2 | 7/27/2023 9:39:00 PM |
| Surr: E | Dibromofluoromethane | 110 | 70-130 | %Rec | 2 | 7/27/2023 9:39:00 PM |
| Surr 7 | oluene-d8 | 108 | 70-130 | %Rec | 2 | 7/27/2023 9:39:00 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

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Client:

Project:

Sample ID: 100ng Ics

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

SampType: LCS

HILCORP ENERGY

McCoy Gas Com D 1E

| Client ID: LCSW | Batch | n ID: SL | 98537 | F | RunNo: 98 | 3537 | | | | |
|--|--|---------------------------------------|-------------------------------|-------------|--------------------------------------|--------------------------|---------------------------------|------------|----------|------|
| Prep Date: | Analysis D | Date: 7/2 | 27/2023 | S | SeqNo: 35 | 588926 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 22 | 1.0 | 20.00 | 0 | 110 | 70 | 130 | | | |
| Toluene | 20 | 1.0 | 20.00 | 0 | 101 | 70 | 130 | | | |
| Surr: 1,2-Dichloroethane-d4 | 11 | | 10.00 | | 111 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 12 | | 10.00 | | 119 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 11 | | 10.00 | | 113 | 70 | 130 | | | |
| Surr: Toluene-d8 | 11 | | 10.00 | | 105 | 70 | 130 | | | |
| Sample ID: mb | SampT | уре: МЕ | BLK | Tes | tCode: EF | A Method | 8260B: Volatil | es Short I | List | |
| | | | | | | | | | | |
| Client ID: PBW | Batch | n ID: SL | 98537 | F | RunNo: 98 | 3537 | | | | |
| Client ID: PBW Prep Date: | Batch Analysis D | - | | | RunNo: 98 SeqNo: 38 | | Units: µg/L | | | |
| | | - | 27/2023 | | | | Units: µg/L HighLimit | %RPD | RPDLimit | Qual |
| Prep Date: | Analysis D | Date: 7/2 | 27/2023 | S | SeqNo: 35 | 588927 | | %RPD | RPDLimit | Qual |
| Prep Date: Analyte | Analysis D Result | Date: 7/2 PQL | 27/2023 | S | SeqNo: 35 | 588927 | | %RPD | RPDLimit | Qual |
| Prep Date: Analyte Benzene | Analysis D Result ND | Date: 7/2 PQL 1.0 | 27/2023 | S | SeqNo: 35 | 588927 | | %RPD | RPDLimit | Qual |
| Prep Date: Analyte Benzene Toluene | Analysis D Result ND ND | Date: 7/2 PQL 1.0 1.0 | 27/2023 | S | SeqNo: 35 | 588927 | | %RPD | RPDLimit | Qual |
| Prep Date: Analyte Benzene Toluene Ethylbenzene | Analysis E Result ND ND ND | Date: 7/2 PQL 1.0 1.0 1.0 | 27/2023 | S | SeqNo: 35 | 588927 | | %RPD | RPDLimit | Qual |
| Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total | Analysis D Result ND ND ND ND | Date: 7/2 PQL 1.0 1.0 1.0 | 27/2023 SPK value | S | SeqNo: 35 %REC | 588927 LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4 | Analysis E Result ND ND ND ND 11 | Date: 7/2 PQL 1.0 1.0 1.0 | 27/2023 SPK value 10.00 | S | SeqNo: 35 %REC 114 | 588927 LowLimit 70 | HighLimit 130 | %RPD | RPDLimit | Qual |

TestCode: EPA Method 8260B: Volatiles Short List

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

Page 2 of 2

WO#: 2307B21

02-Aug-23

| HALL ENVIRONMENTAL ANALYSIS LABORATORY | Hall Environmental . Albu TEL: 505-345-3975 Website: www.hau | 4901 Hawkins N querque, NM 871 FAX: 505-345-41 | NE 09 Sam 07 | ple Log-In C | heck List |
|---|---|--|---------------------------|--------------------|---|
| Client Name: HILCORP ENERGY | Work Order Number: | 2307B21 | | RcptNo: | 1 |
| Received By: Tracy Casarrubias Completed By: Tracy Casarrubias Reviewed By: SCM 07/25/23 | 7/25/2023 6:20:00 AM 7/25/2023 8:39:54 AM | | | | |
| <u>Chain of Custody</u>1. Is Chain of Custody complete?2. How was the sample delivered? | | Yes ⊻ <u>Courier</u> | No 🗌 | Not Present | |
| Log In 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(s7. Are samples (except VOA and ONG) propertion | | Yes ☑ Yes ☑ | No 🗌 No 🗍 | | |
| 8. Was preservative added to bottles? | y preserved : | Yes | No 🗹 | NA 🗌 | |
| 9. Received at least 1 vial with headspace <1/4 10. Were any sample containers received broke | | Yes ☑ Yes □ | No 🗌 No 🗹 | NA # of preserved | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | | Yes 🗹 | No 🗌 | | or >12 unless neted) |
| 12. Are matrices correctly identified on Chain of | Custody? | Yes 🗹 | No 🗌 | Adjusted? | |
| 13. Is it clear what analyses were requested? | | Yes 🗹 | No 🗌 | Checked by: | 7~2 25/23 |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | | Yes 🗹 | No 🗌 | Unecked by. | Nº TOUCS |
| Special Handling (if applicable) | | _ | | | |
| 15. Was client notified of all discrepancies with | this order? | Yes | No 🗌 | NA 🗹 | |
| Person Notified: By Whom: Regarding: Client Instructions: | Date: Via: [| _ eMail 🗌 Pł | none 📋 Fax | In Person | 47 PM |
| 16. Additional remarks: | | | | | |
| 17. Cooler Information | | Seal Date | Signed By | | 5/20/2024 4 |
| Page 1 of 1 | | | | | Released to Imapine: 5/20/2024 4:23:47 PM |

Received by OCD: 3/25/2024 9:42:53 AM

Page 30 of 37

| Received by OCD: 3/25/2024 9:42:53 AM | | Page 31 of 37 |
|--|---|--|
| Chain-of-Custody Record | Turn-Around Time: | HALL FNVTRONMFNTAL |
| Client: Hilcorp Farmington NM | X Standard | ANALYSIS LABORATORY |
| | Project Name: | www.hallenvironmental.com |
| Mailing Address: 382 Road 3100 Aztec, NM 87410 | McCoy Gas Com D 1E | 4901 Hawkins NE - Albuquerque, NM 87109 |
| Billing Address: PO Box 61529 Houston, TX 77208 | Project #: | Tel. 505-345-3975 Fax 505-345-4107 |
| Phone #: 505-486-9543 | | Analysis Request |
| email or Fax#: Brandon.Sinclair@hilcorp.com | Project Manager: | |
| QA/QC Package: | Mitch Killough | |
| Accreditation: | | |
| D EDD (Type) | ers: | 9286 |
| | COOLER I EMP(including CF): 1. 0 - 0 - 1. C | orijeW |
| Date Time Matrix Sample Name | Container Type Preservative HEAL No. and # Type フ30子821 | BTEX N |
| 7-2 4 9 く 5 Water MW-1R | (3) 40ml VOA HCL ON | |
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| Time: V ISIO | 12 | Remarks: Special Pricing See Andy |
| | Macented by: Waller Value Value Ville | |
| In necessary, samples submitted to Hall Environmental merica | e supcontracted to other accredited laboratories. This serves as notice of this | Increases of this possibility. Any sub-contracted to the accredited to other accredited to other accredited to serve as notice of this possibility. Any sub-contracted data will be dearly notated on the analytical report. |



October 25, 2023

Mitch Killough HILCORP ENERGY PO Box 4700 Farmington, NM 87499 TEL: (505) 564-0733 FAX:

RE: McCoy Gas Com D 1E

OrderNo.: 2310386

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Mitch Killough:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/7/2023 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 2310386

Date Reported: 10/25/2023

Hall Environmental Analysis Laboratory, Inc.

| CLIENT | : HILCORP ENERGY | | Client Sam | ple ID: | : MW-1 | R |
|----------|--------------------------|-----------------|------------|--------------|-------------|--|
| Project: | McCoy Gas Com D 1E | | Collectio | n Date: | 10/6/2 | 023 11:40:00 AM |
| Lab ID: | 2310386-001 | Matrix: AQUEOUS | Receive | d Date: | 10/7/2 | 023 7:23:00 AM |
| Analyses | | Result | RL Qual | Units | DF | Date Analyzed |
| EPA ME | THOD 8260B: VOLATILES SI | HORT LIST | | | | Analyst: JR |
| Benzene | 9 | ND | 1.0 | µg/L | 1 | 10/9/2023 4:09:14 PM |
| DCHZCH | | | | | | |
| Toluene | | ND | 1.0 | µg/L | 1 | 10/9/2023 4:09:14 PM |
| | | ND 33 | 1.0 1.0 | μg/L μg/L | 1 1 | 10/9/2023 4:09:14 PM 10/9/2023 4:09:14 PM |
| Toluene | nzene | | | | 1 1 1 | |

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. S

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

Page 1 of 2

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Client:

Project:

Client ID:

Prep Date:

Analyte

Sample ID: 100ng Ics4

BatchQC

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Result

SampType: LCS4

Analysis Date: 10/9/2023

PQL

Batch ID: SL100329

HILCORP ENERGY

McCoy Gas Com D 1E

| Analyte | Result | I GL | | | | LOWLINI | riigii∟iiiii | | | Quai |
|-----------------------------|------------|----------|-----------|-------------|-----------|-----------|---------------|-------------|----------|------|
| Benzene | 20 | 1.0 | 20.00 | 0 | 101 | 80 | 120 | | | |
| Toluene | 21 | 1.0 | 20.00 | 0 | 103 | 80 | 120 | | | |
| Ethylbenzene | 21 | 1.0 | 20.00 | 0 | 105 | 80 | 120 | | | |
| Xylenes, Total | 64 | 1.5 | 60.00 | 0 | 107 | 80 | 120 | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.2 | | 10.00 | | 92.3 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 9.8 | | 10.00 | | 97.5 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 9.8 | | 10.00 | | 97.9 | 70 | 130 | | | |
| Surr: Toluene-d8 | 9.6 | | 10.00 | | 96.0 | 70 | 130 | | | |
| Sample ID: mb | Samp | Туре: МЕ | BLK | Tes | tCode: EF | PA Method | 8260B: Volati | les Short I | List | |
| Client ID: PBW | Batc | h ID: SL | 100329 | F | RunNo: 1 | 00329 | | | | |
| Prep Date: | Analysis I | Date: 10 |)/9/2023 | S | SeqNo: 3 | 674660 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 1.0 | | | | | | | | |
| Toluene | ND | 1.0 | | | | | | | | |
| Ethylbenzene | ND | 1.0 | | | | | | | | |
| Xylenes, Total | ND | 1.5 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 8.2 | | 10.00 | | 82.4 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 10 | | 10.00 | | 99.5 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 9.8 | | 10.00 | | 97.6 | 70 | 130 | | | |
| Surr: Toluene-d8 | 9.6 | | 10.00 | | 96.0 | 70 | 130 | | | |
| | | | | | | | | | | |
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TestCode: EPA Method 8260B: Volatiles Short List

Units: µg/L

HighLimit

%RPD

RPDLimit

RunNo: 100329

SeqNo: 3674658

SPK value SPK Ref Val %REC LowLimit

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

WO#: 2310386 25-Oct-23

Qual

| ANALY | ONMENTAL (SIS RATORY | Hall Environmental Albi TEL: 505-345-3975 Website: www.ha | 490 iquerq FAX: | 1 Hawkin rue. NM 8 505-345- | ns NE 7109 Sa 4107 | mple Log-In | Check List |
|-------------------------------|---|--|-----------------------|-----------------------------------|---------------------------------|--------------------------------|----------------------|
| Client Name: | HILCORP ENERGY | Work Order Number: | 2310 | 0386 | | RcptN | o: 1 |
| Received By: | Juan Rojas | 10/7/2023 7:23:00 AM | | | i parta g | 2 | |
| Completed By: Reviewed By: | Cheyenne Cason JA 10-9-23 | 10/9/2023 7:37:15 AM | | | Chul | | |
| Chain of Cus | tody | | | | | | |
| 1. Is Chain of Cu | ustody complete? | | Yes | \checkmark | No 🗌 | Not Present | |
| 2. How was the | sample delivered? | | Clie | <u>nt</u> | | | |
| Log In 3. Was an atterr | npt made to cool the samples | \$? | Yes | | No 🗌 | NA 🗌 | |
| 4. Were all samp | ples received at a temperatur | re of >0° C to 6.0°C | Yes | | No 🗌 | NA 🗌 | |
| 5. Sample(s) in | proper container(s)? | | Yes | | No 🗌 | | |
| 6. Sufficient sam | ple volume for indicated test | t(s)? | Yes | | No 🗌 | | |
| 7. Are samples (| except VOA and ONG) prop | erly preserved? | Yes | | No 🗌 | | |
| 8. Was preserva | tive added to bottles? | | Yes | | No 🗹 | NA 🗌 | |
| 9. Received at le | east 1 vial with headspace <1 | /4" for AQ VOA? | Yes | | No 🗌 | | |
| 10. Were any sar | nple containers received bro | ken? | Yes | | No 🗹 | # of preserved bottles checked | |
| | ork match bottle labels? ancies on chain of custody) | | Yes | | No 🗌 | for pH: (<2 | or >12 unless noted) |
| 12. Are matrices of | correctly identified on Chain | of Custody? | Yes | \checkmark | No 🗌 | Adjusted? | |
| 13. Is it clear wha | t analyses were requested? | | Yes | \checkmark | No 🗌 | | m 12/2/23 |
| | ng times able to be met? ustomer for authorization.) | | Yes | | No 🗌 | Checked by: | an rough s |
| Special Handl | ling (if applicable) | | | | | | |
| | otified of all discrepancies wi | th this order? | Yes | | No | NA 🗹 | |
| Person | Notified: | Date: | and the logic | | | ine 1 | |
| By Whe | om: | Via: [| eN | lail 🗌 | Phone 🗌 Fa | ax 🗌 In Person | |
| Regard | | | | | | | |
| | nstructions: | | | | | | |
| 16. Additional re | | | | | | | |
| 17. <u>Cooler Info</u> | | Soal Intact Cost No. | Seal |)ate i | Signed By | | |
| Cooler No 1 | | Seal Intact Seal No S Yes Yogi | Seal [| Jale | Signed by | | |
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| Page 36 of 37 | ALL ENVIRONMENTAL | ANAL SUVERONMENTAL ANALYSTS LABODATODY | www.hollonvironmontal.com | 4901 Hawkins NE - Albuquerque, NM 87109 | 3975 Fax 505-345-4107 | nal | | | | | | | | | | | | | | | | ricing See Andy | | ed data will be clearly notated on the analytical report. |
|---------------------------------------|-------------------------|---|---------------------------|--|---|--------------|------------------------------|----------------|-------------|----------------------------|---------------|----------------------------------|---|--------------|--|----|--|--|------|---|---|--------------------------------------|--------------------|---|
| | | | | 4901 Hawkin | Tel. 505-345-3975 | | | | | | 0978 | } poų | 9M X∃T8 | × | | | | | | | | Remarks: Special Pricing See Andy | | possibility. Any sub-contra |
| | | 🗆 Rush | | McCoy Gas Com D 1E | | | lager: | _ | N Killough | Brandon Sinclair | | (including CF): U.)- C. / こ 4.0 | Container Type Preservative HEAL No. and # Type 23/03% | НСГ | | | | | | | | Via: Date Time JOUL JU/L/03 11,41 | Via: Date Time | b |
| | | X Standard | Project Name: | | Project #: | - | Project Mana | +·V | 2/1// | Sampler: On Ice: | # of Coolers: | Cooler Temp(including CF): | Container Typ and # | (3) 40ml VOA | | | | | | | | Received by: | Received by: | subcontracted to other |
| Received by OCD: 3/25/2024 9:42:53 AM | Chain-or-Custody Record | NN no. | | Mailing Address: 382 Road 3100 Aztec, NM 87410 | Billing Address: PO Box 61529 Houston, TX 77208 | -9543 | Brandon.Sinclair@hilcorp.com | | | □ Az Compliance □ Other | | | Sample Name | MW-1R | | 8- | | | | | | ed by: | ed by: WWag | samples submitted to Hall Environmental may be s |
| D: 3/25/20 | ain-or- | Hilcorp Farmington NM | | ss: 382 Ro | ss: PO Box | 505-486-9543 | | | | | 1 1 | | Matrix |) Water | | | | | | _ | | | Relinquished by | If necessary, |
| ved by OC | - T | Client: Hilcor | | iling Addre | ng Addres | Phone #: | email or Fax#: | QA/QC Package: | כומו וממו מ | Accreditation: | 🗆 EDD (Type) | | Date Time | 0-6 11 40 | | | | | | | | | : Time: ערן רט/ | |
| Rece | ļ | Ö | | ž | Bil | ዋ | em | 8 [|] | Ϋ́ | | | D | 0 | | | | | | | ĺ | иате: 10~6 | Date: | |

District I 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

District IV

CONDITIONS

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 326294

| CONDITIONS | | | | | | | |
|------------------------|--|--|--|--|--|--|--|
| Operator: | OGRID: | | | | | | |
| HILCORP ENERGY COMPANY | 372171 | | | | | | |
| 1111 Travis Street | Action Number: | | | | | | |
| Houston, TX 77002 | 326294 | | | | | | |
| | Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) | | | | | | |

| CONDITIONS | | |
|------------------|--|-------------------|
| Created By | Condition | Condition Date |
| michael.buchanan | Review of the 2023 Annual Groundwater Monitoring Report for McCoy Gas Com D 1E: Content Satisfactory 1. A full eight (8) consecutive quarterly, or lesser approved number, of groundwater samples must be achieved before closure will be considered. 2. In addition, as part of the closure plan, which will need to be submitted and approved, 19.15.30.9 of the NMAC paragraph (D) " The division shall consider abatement of water contaminants measured in solid-matrix samples of the vadose zone complete after one-time sampling from compliance stations the director approves." A work plan to demonstrate the vadose zone has been remediated, will need to be sumitted to satisfy this requirement in the rule 3. Continue to sample quarterly or introduce a remediation technique to mitigate the remaining constituents of the release. 4. Submit the next annual report by April 1, 2025. or submit the official closure report and work plan if the site has met all requirements for closure in 19.15.30 of the NMAC | 5/20/2024 |