REVIEWED

By NVelez at 1:07 pm, Apr 17, 2025

1. Continue O&M & sampling as stated in report. 2. Submit next quarterly report by July 15, 2025.

April 15, 2025

New Mexico Oil Conservation Division

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

Re: First Quarter 2025 – SVE System Update

Sunray B 1B

San Juan County, New Mexico Hilcorp Energy Company

NMOCD Incident No: nAPP2212649502

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *First Quarter 2025 –SVE System Update* report summarizing the soil vapor extraction (SVE) system performance at the Sunray B 1B natural gas production well (Site) on land managed by the Bureau of Land Management (BLM) in Unit F, Section 15, Township 30 North, Range 10 West in San Juan County, New Mexico (Figure 1). After a temporary startup on August 29, 2023, followed by a month long shut down, the SVE system was put into full time operation on September 29, 2023, to remediate subsurface soil impacts resulting from a release of approximately 14 barrels (bbls) of natural gas condensate and 7 bbls of produced water. This report summarizes Site activities performed in January, February, and March of 2025.

SVE SYSTEM SPECIFICATIONS

The SVE system at the Site consists of a 3-phase, 5 horsepower Howden Roots 32 URAI rotary lobe blower capable of producing 112 cubic feet per minute (cfm) flow at 82 inches of water column (IWC) vacuum. The system is powered by a permanent power drop and is intended to run 24 hours per day. Three SVE wells were installed at the Site and are shown on Figure 2. SVE wells SVE01, SVE02, and SVE03 are screened at varying depths up to 25 feet below ground surface (bgs) to address residual soil impacts in the unsaturated zone.

FIRST QUARTER 2025 ACTIVITIES

The initial startup of the Site SVE system was performed on August 29 and 30, 2023. Based on the New Mexico Oil Conservation Division (NMOCD) Conditions of Approval (COAs), dated February 10, 2023, field data measurements were collected from the system and 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 visits were conducted bi-weekly throughout the fourth quarter of 2024. Field parameters noted above were collected during each visit. Field notes taken during operations and maintenance (O&M) visits are presented in Appendix A. On October 14, 2024, the valves for SVE wells SVE02 and SVE03 were closed in order to focus extraction on SVE01, the well with the highest PID readings. In October 2024, the system was winterized, and blower motor speed was reduced to allow for adequate current to run the heat trace. Between

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 848 East 2nd Ave | Durango, CO 81301 | ensolum.com

December 17, 2024 and March 31, 2025, the SVE system operated for 2,492.7 hours for a runtime efficiency of 99.9 percent (%). Appendix B presents photographs of the runtime meter for calculating the first quarter of 2025 runtime efficiency. Table 1 presents the SVE system operational hours and calculated percentage runtime.

Based on the February 2023 COAs, vapor samples are required to be collected quarterly following the first year of operation from a sample port located between the SVE piping manifold and the SVE blower using a high vacuum air sampler. A vapor sample was collected on February 6, 2025. Prior to collection, the vapor sample was field screened with a PID for organic vapor monitoring (OVM). The vapor sample was collected directly into two 1-Liter Tedlar® bags and submitted to Eurofins Environment Testing 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, VOCs following EPA Method 8260B, and fixed gas analysis of oxygen and carbon dioxide following Gas Processors Association (GPA) Method 2261. A summary of field measurements and analytical results are presented in Tables 2 and 3, respectively. The full laboratory analytical report is attached as Appendix C. Oxygen and carbon dioxide levels over time are presented in Graphs 1 and 2, respectively. Vapor samples will continue to be collected quarterly for the remainder of system operation.

Vapor sample data and measured influent flow rates are used to estimate total mass recovered and total emissions generated by the SVE system (Table 4). Based on these estimates, 1,894 pounds (0.95 tons) of TVPH have been removed by the system to date between system startup and February 6, 2025.

DISCUSSION AND RECOMMENDATIONS

Bi-weekly O&M visits and quarterly 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.

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 (licensed in WA & TX) Senior Managing Geologist (970) 903-1607

shyde@ensolum.com

Daniel R. Moir, PG (licensed in WY & TX) Senior Managing Geologist (303) 887-2946 dmoir@ensolum.com



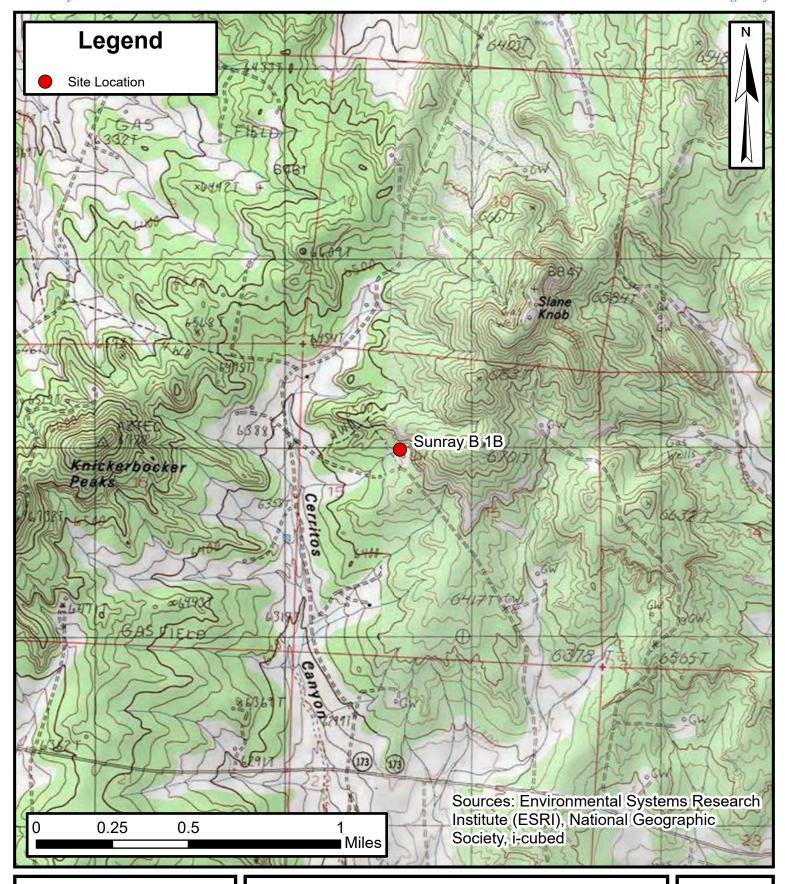
Page 3

Attachments:

| Figure 1 | Site Location Map |
|---|--|
| Figure 2 | SVE System Radius of Influence and Radius of Effect |
| 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 Appendix D | Field Notes Project Photographs Laboratory Analytical Reports Correspondence |



Figures





Site Location Map

Sunray B 1B Hilcorp Energy Company

> 36.8147621, -107.8746643 San Juan County, New Mexico

FIGURE

1





SVE System Radius of Influence and Radius of Effect

Sunray B 1B Hilcorp Energy Company

36.8147621, -107.8746643 San Juan County, New Mexico **FIGURE**

2



Tables & Graphs



TABLE 1 SOIL VAPOR EXTRACTION SYSTEM RUNTIME CALCULATIONS

Sunray B 1B Hilcorp Energy Company San Juan County, New Mexico

| Date | Total Operational Hours | Delta Hours | Days | Quarterly Percent Runtime | Cumulative Percent Runtime |
|------------|----------------------------|-------------|------|------------------------------|-------------------------------|
| 9/29/2023 | 126.8 | | Sta | rtup | |
| 12/28/2023 | 2,181.4 | 2,054.6 | 90 | 95.1% | 95.1% |
| 3/21/2024 | 4,185.4 | 2,004.0 | 84 | 99.4% | 97.2% |
| 6/26/2024 | 6,514.1 | 2,328.7 | 97 | 100% | 98.2% |
| 9/19/2024 | 8,519.0 | 2,004.9 | 85 | 98.3% | 98.2% |
| 12/17/2024 | 10,508.3 | 1,989.3 | 89 | 93.1% | 97.2% |
| 3/31/2025 | 13,001.0 | 2,492.7 | 104 | 99.9% | 97.7% |

Ensolum 1 of 1 Received by OCD: 4/15/2025 9:08:17 AM



| | | | | TABLE 2 | | | | |
|---------------------|--------------------------|--------------|--------------------------------|-------------------|---------------------------------------|--------------|--------------|--------------------|
| | | SOIL V | APOR EXTRACT | TION SYSTEM F | IELD MEASUR | EMENTS | | |
| | | | | Sunray B 1B | | | | |
| | | | | corp Energy Comp | | | | |
| | | | San J | uan County, New N | lexico | | | |
| SVE Well ID | Date | PID (ppm) | Differential Pressure (IWC) | Flow Rate (acfm) | Flow Rate (scfm) ⁽¹⁾⁽²⁾ | Vacuum (IWC) | Oxygen (%) | Carbon Dioxide (%) |
| | 8/29/2023 | 788 | 2.70 | 144 | 92 | 74.8 | | |
| | 8/30/2023 | 1,826 | - | | | 68.0 | 20.9 | 0.62 |
| | 9/29/2023 | 538 | 3.00 | 151 | 99 | 68.0 | 20.9 | 0.26 |
| - | 10/6/2023 | 431 | 3.00 | 151 | 101 | 60.5 | 20.9 | 0.00 |
| - | 10/12/2023 10/19/2023 | 356 399 | 5.30 5.70 | 201 209 | 127 131 | 80.0 81.0 | 20.9 | 0.00 |
| - | 10/26/2023 | 165 | 6.50 | 223 | 146 | 68.0 | 20.9 | 0.10 |
| • | 10/31/2023 | 278 | 5.60 | 207 | 134 | 72.1 | | |
| • | 11/16/2023 | 378 | 6.90 | 230 | 153 | 61.2 | | |
| • | 11/28/2023 | 147 | 7.20 | 235 | 156 | 61.2 | | |
| | 12/7/2023 | 205 | 7.00 | 231 | 157 | 54.4 | 19.6 | 0.02 |
| | 12/13/2023 | 165 | 6.90 | 230 | 153 | 61.2 | 19.3 | 0.02 |
| | 12/20/2023 | 182 | 7.10 | 233 | 155 | 61.2 | | |
| <u> </u> | 12/28/2023 | 39 | 4.80 | 192 | 135 | 40.8 | | |
| | 1/19/2024 | 59 | 3.79 | 170 | 118 | 46.9 | 20.9 | 0.06 |
| | 2/2/2024 | 143 | 3.65 | 167 | 116 | 47.6 | 20.9 | 0.02 |
| - | 2/14/2024 2/23/2024 | 329 | 3.40 | 161 | 111 128 | 51.0 | | |
| - | 3/6/2024 | 204 101 | 3.50 | 164 159 | 128 | 51.0 47.6 | | |
| - | 3/21/2024 | 86 | 3.30 3.54 | 164 | 129 | 42.5 | | |
| - | 4/9/2024 | 91 | 3.43 | 162 | 127 | 40.8 | | |
| • | 4/17/2024 | 99 | 3.25 | 158 | 124 | 16.3 | | |
| Influent, All Wells | 5/14/2024 | 53 | 4.32 | 182 | 143 | 61.2 | | |
| | 5/23/2024 | 57 | 4.35 | 182 | 143 | 61.2 | | |
| • | 6/4/2024 | 134 | 4.12 | 177 | 139 | 61.2 | | |
| | 6/26/2024 | 35 | 4.04 | 176 | 138 | 61.2 | - | |
| | 7/10/2024 | 96 | 6.78 | 228 | 179 | 64.6 | | |
| | 7/26/2024 | 35 | 3.99 | 175 | 137 | 61.2 | - | |
| | 8/8/2024 | 23 | 3.77 | 170 | 133 | 61.2 | | |
| | 8/21/2024 | 32 | 3.75 | 169 | 133 | 61.2 | | - |
| - | 9/6/2024 | 22 | 3.61 | 166 | 130 | 61.2 | | |
| - | 9/19/2024 | 30 130 | 3.73 3.98 | 169 174 | 133 | 61.2 69.4 | | |
| • | 10/14/2024 10/29/2024 | 219 | 0.08 | 25 | 137 19 | 68.0 | | |
| - | 11/6/2024 | 241 | 0.11 | 29 | 23 | 68.0 | | |
| • | 11/19/2024 | 58 | 0.08 | 25 | 19 | 68.0 | | |
| | 12/3/2024 | 93 | 0.07 | 23 | 18 | 68.0 | | _ |
| • | 12/17/2024 | 85 | 0.08 | 25 | 19 | 68.0 | | |
| • | 1/8/2025 | 87 | 0.08 | 25 | 19 | 69.4 | | |
| | 1/25/2025 | 83 | 0.08 | 25 | 19 | 69.4 | | |
| [| 2/6/2025 | 98 | 0.07 | 23 | 18 | 68.0 | 1 | |
| <u> </u> | 2/21/2025 | 76 | 0.08 | 25 | 19 | 68.0 | | |
| | 3/11/2025 | 97 | 0.05 | 20 | 15 | 68.0 | | |
| | 3/31/2025 | 75 | 0.12 | 30 | 24 | 68.0 | | - |
| | 8/29/2023 | 2,789 | | | 16 | 78.9 | | |
| | 8/30/2023 | 3,588 | | | 20 | | 20.9 | 0.62 |
| | 9/29/2023 | 1,312 | | | 10 | 76.2 | 20.9 | 0.18 |
| | 10/6/2023 | 1,429 | | | 10 | 66.0 | 20.9 | |
| | 10/12/2023 10/19/2023 | 2,450 672 | | | 9 10 | 76.0 70.0 | 20.9 20.9 | 0.18 |
| - | 10/19/2023 | 420 | | | 10 | 68.0 | 20.9 | 0.08 |
| • | 10/31/2023 | 348 | | | | 72.1 | 20.9 | 0.00 |
| SVE01 | 11/16/2023 | 688 | | | 8 | 78.9 | 19.8 | 0.06 |
| - : - • · | 11/28/2023 | 453 | | | 8 | 62.6 | 20.2 | 0.04 |
| ŀ | 12/7/2023 | 430 | | | 8 | 58.0 | 19.6 | 0.02 |
| ľ | 12/13/2023 | 405 | | | 10 | 59.8 | 19.3 | 0.02 |
| ľ | 12/20/2023 | - | | | 12 | 59.8 | 1 | |
| | 12/28/2023 | 20 | | | 9 | 49.0 | 19.3 | 0.04 |
| | 1/19/2024 | 151 | | | 8 | 49.0 | 20.9 | 0.04 |
| [| 2/2/2024 | 345 | 0.60 | 68 | 48 | 38.0 | 20.9 | 0.04 |
| | 2/14/2024 | 215 | 0.13 | 32 | 22 | 43.5 | 20.9 | 0.02 |



TABLE 2 SOIL VAPOR EXTRACTION SYSTEM FIELD MEASUREMENTS Sunray B 1B **Hilcorp Energy Company** San Juan County, New Mexico Flow Rate PID Differential Carbon Dioxide SVE Well ID Vacuum (IWC) Oxygen (%) Date Flow Rate (acfm) Pressure (IWC) (scfm)(1)(2) (ppm) (%) 2/23/2024 245 0.04 17 14 32.6 20.9 0.02 268 40.0 20.7 0.00 3/6/2024 3/21/2024 187 0.06 21 17 38.1 20.9 0.02 4/9/2024 174 0.04 14 38.1 20.9 0.02 17 14 4/17/2024 0.04 39.4 20.9 0.02 180 5/14/2024 134 0.06 21 17 54.4 20.9 0.03 5/23/2024 100 0.05 20 15 35.4 6/4/2024 213 0.08 25 19 54.4 20.9 0.04 6/26/2024 187 0.06 21 17 54.4 20.9 0.04 7/10/2024 139 0.06 17 57.1 0.05 7/26/2024 113 0.06 21 17 55.8 20.9 0.05 8/8/2024 94 0.06 21 17 57.1 20.9 0.05 8/21/2024 100 0.07 23 18 57.1 20.9 0.04 SVE01 9/6/2024 82 0.07 23 18 57.1 20.9 0.05 9/19/2024 87 0.04 17 14 57.1 20.9 0.06 10/14/2024 95 69.4 20.9 0.07 10/29/2024 0.05 20 15 68.0 0.04 132 20.9 11/6/2024 183 0.06 21 17 68.0 20.9 0.06 11/19/2024 71 0.05 20 15 70.7 20.9 0.03 12/3/2024 98 0.05 20 15 65.3 20.9 0.04 12/17/2024 15 69 4 0.04 87 0.05 20 20.9 1/8/2025 85 0.05 20 15 70.7 20.9 0.03 1/25/2025 81 0.03 15 12 70.7 20.9 0.03 12 10 2/6/2025 95 0.02 70.7 20.9 0.03 2/21/2025 78 0.02 12 10 70.7 98 17 14 3/11/2025 0.04 68.0 74 0.04 17 14 19.8 0.10 3/31/2025 70.7 81.6 8/29/2023 416 16 8/30/2023 1,849 23 20.9 0.62 73.4 9/29/2023 403 13 20.9 0.12 382 66.0 10/6/2023 22 20.9 10/12/2023 540 16 72.0 20.9 0.10 14 10/19/2023 288 70.0 20.9 0.08 10/26/2023 95 10 72.0 20.9 0.04 10/31/2023 215 18 69.4 20.9 0.10 11/16/2023 515 15 0.02 62.6 19.8 11/28/2023 93 19 59.8 20.2 0.02 12/7/2023 55 18 56.0 19.6 0.02 12/13/2023 107 25 57.1 19.3 0.00 12/20/2023 24 54.4 12/28/2023 44 18 43.5 19.3 0.02 1/19/2024 38 16 43.5 20.9 0.04 2/2/2024 13 0.14 33 24 34.0 20.9 0.02 SVE02 2/14/2024 75 0.08 25 18 24.5 20.9 0.03 2/23/2024 99 0.09 26 21 29.9 20.9 0.03 3/6/2024 105 10.0 0.04 20.7 0.12 24 30 3/21/2024 25 27.2 20.9 0.03 4/9/2024 77 0.02 12 10 28.6 20.9 0.03 4/17/2024 71 0.02 12 10 15.9 20.9 0.03 40 12 18.5 5/14/2024 0.02 10 20.9 0.04 5/23/2024 64 0.02 12 10 5.4 20.8 0.04 6/4/2024 59 0.09 26 21 6.8 20.9 0.05 6/26/2024 19 0.01 9 7 6.8 20.9 0.03 7/10/2024 29 0.09 26 21 10.9 20.9 0.08 0.09 26 43.5 7/26/2024 35 21 20.9 0.07 8/8/2024 25 0.08 25 19 43.5 20.9 0.06 8/21/2024 36 0.05 20 15 43.5 20.9 0.06 9/6/2024 21 17 43.5 28 0.06 20.9 0.05 9/19/2024 35 0.06 21 17 43.5 20.9 0.05 10/14/2024 Well Taken Offline



TABLE 2 SOIL VAPOR EXTRACTION SYSTEM FIELD MEASUREMENTS Sunray B 1B Hilcorp Energy Company San Juan County, New Mexico Flow Rate PID Differential Carbon Dioxide SVE Well ID Vacuum (IWC) Oxygen (%) Date Flow Rate (acfm) (scfm)⁽¹⁾⁽²⁾ Pressure (IWC) (ppm) (%) 174 25 8/29/2023 73.4 20.9 0.62 8/30/2023 426 >25 9/29/2023 248 >25 65.3 20.9 0.20 10/6/2023 162 40 52.0 20.9 52.0 20.9 0.14 10/12/2023 450 50 10/19/2023 131 <50 55.0 20.9 0.10 10/26/2023 88 >50 56.0 0.08 10/31/2023 89 >50 53.0 20.9 0.02 11/16/2023 258 >50 50.3 19.8 0.04 11/28/2023 148 >50 47.6 20.2 0.02 12/7/2023 45 >50 44.0 19.6 0.02 12/13/2023 175 >50 50.3 19.3 0.02 12/20/2023 >50 46.2 0.04 12/28/2023 34 >50 35.4 19.3 1/19/2024 31 36 35.4 20.9 0.08 2/2/2024 74 0.73 75 55 24.0 20.9 0.02 SVE03 2/14/2024 54 0.88 82 61 23.1 20.9 0.06 2/23/2024 63 0.60 68 53 23.1 20.9 0.06 3/6/2024 125 24.0 20.5 0.06 41 3/21/2024 51 0.36 52 23.1 20.9 0.06 4/8/2024 55 75 59 0.73 23 1 20.9 0.07 4/17/2024 58 0.73 75 59 27.2 20.9 0.07 5/14/2024 88 35.4 0.07 37 1.02 69 20.9 5/23/2024 0.98 87 68 35.4 0.04 35 20.4 6/4/2024 42 0.79 78 61 34.0 20.9 0.06 6/26/2024 27 0.84 80 63 32.6 20.9 0.06 7/10/2024 35 0.82 79 42.2 20.9 0.11 62 7/26/2024 32 0.69 73 57 40.8 20.9 0.08 8/8/2024 28 0.67 72 56 43.5 20.9 0.08 71 40.8 8/21/2024 29 0.66 56 20.9 0.08 9/6/2024 26 0.59 67 53 40.8 20.9 0.08 9/19/2024 32 0.54 64 50 39.4 20.9 0.07 10/14/2024 Well Taken Offline

Notes

(1): individual well flow rates in scfm estimated based on rotometer field measurements through 1/19/24; calculated from pitot tube differential pressure readings beginning 2/2/24

(2): total system flow rates in scfm calculated based on pitot tube differential pressure measurements

IWC: inches of water column

PID: photoionization detector

ppm: parts per million

acfm: actual cubic feet per minute

scfm: standard cubic feet per minute

%: percent

--: not measured



TABLE 3

SOIL VAPOR EXTRACTION SYSTEM EMISSIONS ANALYTICAL RESULTS

Sunray B 1B

Hilcorp Energy Company San Juan County, New Mexico

| Date | PID (ppm) | Benzene (µg/L) | Toluene (μg/L) | Ethylbenzene (μg/L) | Total Xylenes (µg/L) | TVPH/GRO (µg/L) | Oxygen (%) | Carbon Dioxide (%) |
|------------|--------------|-------------------|-------------------|------------------------|-------------------------|--------------------|---------------|--------------------|
| 8/29/2023 | 788 | 18 | 190 | 6.8 | 58 | 5,900 | 18.38% | 4.23% |
| 8/30/2023 | 1,826 | 10 | 230 | <10 | 77 | 6,000 | 21.39% | 0.87% |
| 9/29/2023 | 538 | 4.8 | 140 | 11 | 100 | 4,100 | 21.67% | 0.36% |
| 10/6/2023 | 529 | <2.0 | 48 | <5.0 | 41 | 1,400 | 21.74% | 0.18% |
| 10/12/2023 | 357 | <2.0 | 47 | <5.0 | 51 | 1,800 | 21.69% | 0.22% |
| 10/19/2023 | 399 | <5.0 | 29 | <5.0 | 29 | 1,200 | 21.81% | 0.16% |
| 10/26/2023 | 165 | <5.0 | 26 | <5.0 | 21 | 960 | 21.80% | 0.15% |
| 10/31/2023 | 278 | 0.53 | 30 | 3.3 | 42 | 900 | 21.60% | 0.17% |
| 11/16/2023 | 378 | 0.41 | 21 | 2.5 | 35 | 1,100 | 21.61% | 0.10% |
| 11/28/2023 | 147 | <0.50 | 13 | 1.7 | 22 | 750 | 21.64% | 0.10% |
| 12/13/2023 | 165 | <0.50 | 11 | 1.6 | 20 | 650 | 21.68% | 0.10% |
| 12/28/2023 | 39 | <0.10 | <0.10 | <0.10 | <0.15 | 7.5 | 21.73% | 0.05% |
| 1/19/2024 | 59 | <0.50 | 4.7 | 0.58 | 6.0 | 300 | 21.73% | 0.05% |
| 3/6/2024 | 101 | <5.0 | <5.0 | <5.0 | <7.5 | <250 | 22.19% | 0.12% |
| 5/14/2024 | 53 | <0.10 | 3.1 | 0.44 | 6.4 | 210 | 21.43% | 0.13% |
| 7/26/2024 | 35 | <0.20 | 2.4 | 0.28 | 4.1 | 180 | 21.79% | 0.15% |
| 9/6/2024 | 22 | <0.50 | <0.50 | <0.50 | <0.75 | <25 | 21.73% | 0.05% |
| 11/19/2024 | 58 | 0.84 | 11 | 1.0 | 14 | 320 | 21.81% | 0.14% |
| 2/6/2025 | 98 | <0.50 | < 0.50 | < 0.50 | < 0.75 | <25 | 21.90% | 0.10% |

Notes:

Released to Imaging: 4/17/2025 1:08:54 PM

GRO: gasoline range hydrocarbons

μg/L: microgram per liter

PID: photoionization detector

ppm: parts per million

TVPH: total volatile petroleum hydrocarbons

%: percent

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

Ensolum 1 of 1



TABLE 4 SOIL VAPOR EXTRACTION SYSTEM MASS REMOVAL AND EMISSIONS

Sunray B 1B Hilcorp Energy Company San Juan County, New Mexico

I aboratory Analysis

| | | | Laboratory Analysis | | | |
|------------|--------------|-------------------|---------------------|------------------------|-------------------------|----------------|
| Date | PID (ppm) | Benzene (μg/L) | Toluene (μg/L) | Ethylbenzene (μg/L) | Total Xylenes (μg/L) | TVPH (μg/L) |
| 8/29/2023 | 788 | 18 | 190 | 6.8 | 58 | 5,900 |
| 8/30/2023 | 1,826 | 10 | 230 | 10 | 77 | 6,000 |
| 9/29/2023 | 538 | 4.8 | 140 | 11 | 100 | 4,100 |
| 10/6/2023 | 529 | 2.0 | 48 | 5.0 | 41 | 1,400 |
| 10/12/2023 | 357 | 2.0 | 47 | 5.0 | 51 | 1,800 |
| 10/19/2023 | 399 | 5.0 | 29 | 5.0 | 29 | 1,200 |
| 10/26/2023 | 165 | 5.0 | 26 | 5.0 | 21 | 960 |
| 10/31/2023 | 278 | 0.53 | 30 | 3.3 | 42 | 900 |
| 11/16/2023 | 378 | 0.41 | 21 | 2.5 | 35 | 1,100 |
| 11/28/2023 | 147 | 0.50 | 13 | 1.7 | 22 | 750 |
| 12/13/2023 | 165 | 0.50 | 11 | 1.60 | 20 | 650 |
| 12/28/2023 | 39 | 0.10 | 0.10 | 0.10 | 0.15 | 7.5 |
| 1/19/2024 | 59 | 0.50 | 4.7 | 0.58 | 6.0 | 300 |
| 3/6/2024 | 101 | 5.0 | 5.0 | 5.0 | 7.5 | 250 |
| 5/14/2024 | 53 | 0.10 | 3.1 | 0.44 | 6.4 | 210 |
| 7/26/2024 | 35 | 0.20 | 2.4 | 0.28 | 4.1 | 180 |
| 9/6/2024 | 22 | 0.50 | 0.50 | 0.50 | 0.75 | 25 |
| 11/19/2024 | 58 | 0.84 | 11 | 1.0 | 14 | 320 |
| 2/6/2025 | 98 | 0.50 | 0.50 | 0.50 | 0.75 | 25 |
| Average | 318 | 3 | 43 | 3 | 28 | 1,373 |

Vapor Extraction Summary

| | | | Vap | or Extraction Summ | ui y | | | |
|------------|---------------------|------------------------|--------------------|--------------------|----------------------|-------------------------|--------------------------|-----------------|
| Date | Flow Rate (scfm) | Total System Flow (cf) | Delta Flow (cf) | Benzene (lb/hr) | Toluene (lb/hr) | Ethylbenzene (lb/hr) | Total Xylenes (lb/hr) | TVPH (lb/hr) |
| 9/29/2023 | 99.0 | | | U | pdated System Startu | ip | | |
| 10/6/2023 | 101 | 1,015,656 | 1,015,656 | 0.00127 | 0.035 | 0.0030 | 0.026 | 1.03 |
| 10/12/2023 | 127 | - | - | - | - | | | - |
| 10/19/2023 | 131 | 5,575,242 | 4,559,586 | 0.0015 | 0.017 | 0.0022 | 0.0152 | 0.56 |
| 10/26/2023 | 146 | 7,013,634 | 1,438,392 | 0.0026 | 0.0142 | 0.0026 | 0.0130 | 0.56 |
| 10/31/2023 | 134 | 7,760,550 | 746,916 | 0.00145 | 0.0147 | 0.0022 | 0.0165 | 0.49 |
| 11/16/2023 | 153 | 11,259,048 | 3,498,498 | 0.00025 | 0.0137 | 0.0016 | 0.0207 | 0.54 |
| 11/28/2023 | 156 | 13,876,104 | 2,617,056 | 0.00026 | 0.0098 | 0.0012 | 0.0165 | 0.53 |
| 12/13/2023 | 153 | 17,154,282 | 3,278,178 | 0.00029 | 0.0069 | 0.0010 | 0.0121 | 0.40 |
| 12/28/2023 | 135 | 19,794,882 | 2,640,600 | 0.00016 | 0.0030 | 0.0005 | 0.0054 | 0.18 |
| 1/19/2024 | 118 | 23,462,322 | 3,667,440 | 0.00014 | 0.0011 | 0.0002 | 0.0015 | 0.07 |
| 3/6/2024 | 125 | 31,920,822 | 8,458,500 | 0.00125 | 0.0022 | 0.0013 | 0.0031 | 0.12 |
| 5/14/2024 | 143 | 46,119,006 | 14,198,184 | 0.00128 | 0.0020 | 0.0014 | 0.0035 | 0.12 |
| 7/26/2024 | 137 | 60,469,482 | 14,350,476 | 0.00008 | 0.0014 | 0.0002 | 0.0027 | 0.10 |
| 9/6/2024 | 133 | 68,267,538 | 7,798,056 | 0.00018 | 0.0007 | 0.0002 | 0.0012 | 0.05 |
| 11/19/2024 | 19 | 70,128,360 | 1,860,822 | 0.00019 | 0.0016 | 0.0002 | 0.0021 | 0.05 |
| 2/6/2025 | 18 | 72,177,336 | 2,048,976 | 0.00005 | 0.0004 | 0.0001 | 0.0005 | 0.01 |
| | | | Average | 0.00073 | 0.008 | 0.0012 | 0.009 | 0.32 |

Mass Recovery

| Date | Total Operational Hours | Delta Hours | Benzene (pounds) | Toluene (pounds) | Ethylbenzene (pounds) | Total Xylenes (pounds) | TVPH (pounds) | TVPH (tons) |
|------------|----------------------------|---------------------|---------------------|---------------------|--------------------------|---------------------------|------------------|----------------|
| 9/29/2023 | 127 | | | L | Jpdated System Startu | ıp | | |
| 10/6/2023 | 294 | 168 | 0.21 | 5.9 | 0.50 | 4.4 | 172 | 0.086 |
| 10/12/2023 | | - | - | | | | | |
| 10/19/2023 | 580 | 580 | 0.88 | 9.7 | 1.26 | 8.8 | 327 | 0.164 |
| 10/26/2023 | 744 | 164 | 0.43 | 2.3 | 0.43 | 2.1 | 92 | 0.046 |
| 10/31/2023 | 837 | 93 | 0.134 | 1.36 | 0.20 | 1.53 | 45 | 0.023 |
| 11/16/2023 | 1,218 | 381 | 0.096 | 5.2 | 0.59 | 7.9 | 205 | 0.102 |
| 11/28/2023 | 1,498 | 280 | 0.074 | 2.7 | 0.34 | 4.6 | 149 | 0.075 |
| 12/13/2023 | 1,855 | 357 | 0.103 | 2.5 | 0.34 | 4.3 | 144 | 0.072 |
| 12/28/2023 | 2,181 | 326 | 0.053 | 1.0 | 0.15 | 1.8 | 58 | 0.029 |
| 1/19/2024 | 2,699 | 518 | 0.074 | 0.6 | 0.08 | 0.8 | 38 | 0.019 |
| 3/6/2024 | 3,827 | 1,128 | 1.409 | 2.5 | 1.43 | 3.5 | 141 | 0.070 |
| 5/14/2024 | 5,482 | 1,655 | 2.115 | 3.4 | 2.26 | 5.8 | 191 | 0.095 |
| 7/26/2024 | 7,227 | 1,746 | 0.137 | 2.5 | 0.33 | 4.8 | 178 | 0.089 |
| 9/6/2024 | 8,205 | 977 | 0.173 | 0.7 | 0.19 | 1.2 | 51 | 0.025 |
| 11/19/2024 | 9,837 | 1,632 | 0.311 | 2.7 | 0.35 | 3.4 | 80 | 0.040 |
| 2/6/2025 | 11,734 | 1,897 | 0.088 | 0.8 | 0.10 | 1.0 | 23 | 0.011 |
| | Total Ma | ss Recovery to Date | 6.29 | 44 | 8.5 | 56 | 1,894 | 0.95 |

Notes:

cf: cubic feet

scfm: standard cubic feet per minute

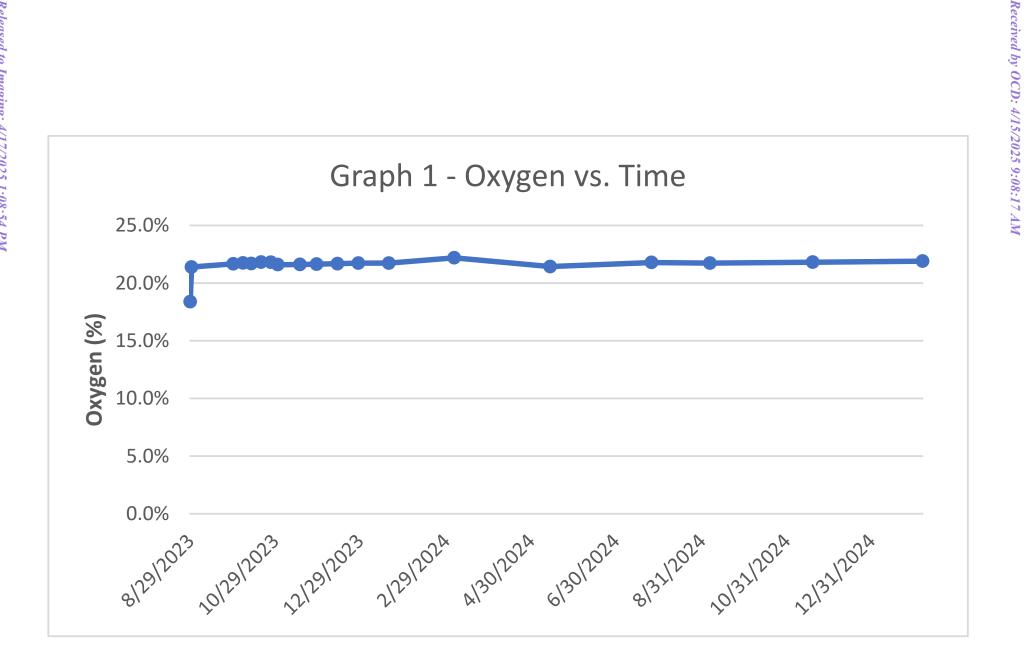
μg/L: micrograms per liter lb/hr: pounds per hour

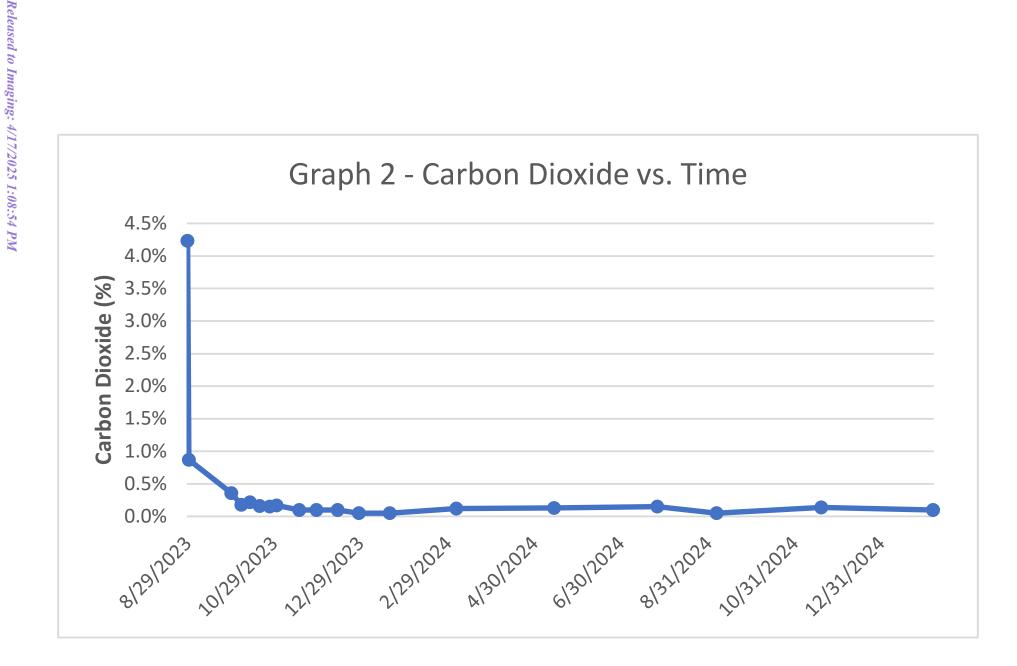
PID: photoionization detector

ppm: parts per million

TVPH: total volatile petroleum hydrocarbons

--: not measured gray: laboratory reporting limit used for calculating emissions







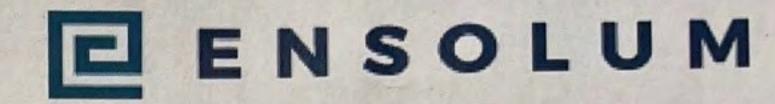
APPENDIX A

Field Notes

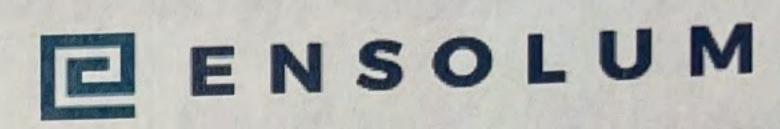
| | | O&M FO | RM . | | |
|--|-----------------------|--|-------------------------------|--------------|--------------------|
| TIME ONSITE: | -8 | O&M PERSONNEL: TIME OFFSITE: | B Sinclail | | |
| | | SVE SYSTEM - MC | ONTHLY O&M | | |
| SVE ALARMS: | K | O TANK HIGH LEVEL | | | |
| WEEKLY MAINTENANCE: Blov | wer Rearing Greace | Check/Date | | | |
| SVE SYSTEM Blower Hours (take photo) | READING 1 | TIME | | | |
| Inlet Vacuum (IHG) Differential Pressure (IWC) Inlet PID | 97.1 | 13.58 | | | |
| Inlet Temperature K/O Tank Liquid Level K/O Liquid Drained (gallons) | 105 | | | | |
| | | SVE SYSTEM S | SAMPLING | | |
| SAMPLE ID: Analytes: Sample Sample ID: OPERATING WELLS | ample Bi-Monthly (eve | SAMPLE TIME: ery other month) for TVPH (8 | 3015), BTEX (8260), Fixed Gas | (CO2 AND O2) | |
| Change in Well Operation: | | | | | |
| WELLHEAD MEASUREMENTS WELL ID | VACUUM (IHG) | PID HEADSPACE (PPM) | DIFF PRESSURE (IN W.C.) | OXYGEN (%) | CARBON DIOXIDE (%) |
| SVE01 SVE02 SVE03 | 5.2 | 85.3 | 0.05 | 20.9 | 260 |
| COMMENTS/OTHER MAINTEN | ANCE: | | | | |
| | | | | | |

| DATE: | 1-25 | O&M PERSONNEL TIME OFFSITE | | | |
|---|-----------------------|--|-------------------------------------|--------------|--------------------|
| | | SVE SYSTEM - N | IONTHLY O&M | | |
| SVE ALARMS: | | KO TANK HIGH LEVEL | | | |
| WEEKLY MAINTENANCE: B | Louis Dessis | Check/Date | | | |
| SVE SYSTEM Blower Hours (take photo) Inlet Vacuum (IHG) | READING | TIME 1310 | | | |
| Differential Pressure (IWC) Inlet PID Exhaust PID | 0.08 82.5 30.2 | | | | |
| K/O Tank Liquid Level K/O Liquid Drained (gallons) | 96 | | | | |
| | | SVE SYSTEM | SAMPLING | | |
| SAMPLE ID: Analytes: S OPERATING WELLS | Sample Bi-Monthly (ev | SAMPLE TIME ery other month) for TVPH | : (8015), BTEX (8260), Fixed Gas | (CO2 AND O2) | |
| Change in Well Operation: | | | | | |
| WELLHEAD MEASUREMENTS | | PID HEADSPACE (PPM |) DIFF PRESSURE (IN W.C.) | OXYGEN (%) | CARBON DIOXIDE (%) |
| SVE01 -SVE02 -SVE03 | VACUUM (IHG) | \$0.8 | 0,03 | 20.9 | 300 |
| COMMENTS/OTHER MAINTEN | ANCE: | | | | |
| Lorger capac | ity Ko | fank: | nstalled 11 | 23 | |
| | | | | | |

| DATE: | | _ O&M PERSONNEL _ TIME OFFSITE | | | |
|---|-----------------------|--|--|--------------------------------|------------------|
| | | SVE SYSTEM - N | MONTHLY O&M | | |
| SVE ALARMS: | | KO TANK HIGH LEVEL | | | |
| WEEKLY MAINTENANCE: | Plouses Pearing C | Check/Date | | | |
| ARTERLY MAINTENANCE: | Blower Oil Change | e | | | |
| SVE SYSTEM | READING | TIME | | | |
| Blower Hours (take photo) Inlet Vacuum (IHG) Differential Pressure (IWC) | 50 | 1532 | | | |
| Exhaust PID And Temperature | 98.4 | | | | |
| K/O Tank Liquid Level K/O Liquid Drained (gallons) | | | | | |
| | | | | | |
| SAMPLE ID: | 5./5-1 | SVE SYSTEM | | | |
| SAMPLE ID: Analytes: OPERATING WELLS | Sample Bi-Monthly (ev | SAMPLE TIME: | | (CO2 AND O2) | |
| Analytes: OPERATING WELLS Change in Well Operation: | Sample Bi-Monthly (ev | SAMPLE TIME: | 1646 | (CO2 AND O2) | |
| Analytes: OPERATING WELLS Change in Well Operation: | Sample Bi-Monthly (ev | SAMPLE TIME: very other month) for TVPH (| 1.5 4.5 8015), BTEX (8260), Fixed Gas | | |
| Analytes: OPERATING WELLS Change in Well Operation: VELLHEAD MEASUREMENTS WELL ID SVE01 SVE02 | Sample Bi-Monthly (ev | SAMPLE TIME: | 1.5 4.5 8015), BTEX (8260), Fixed Gas | (CO2 AND O2) OXYGEN (%) ZQ.9 | CARBON DIOXIDE (|
| Analytes: OPERATING WELLS Change in Well Operation: VELLHEAD MEASUREMENTS WELL ID SVE01 SVE02 SVE03 | Sample Bi-Monthly (ev | PID HEADSPACE (PPM) | DIFF PRESSURE (IN W.C.) | OXYGEN (%) | |
| Analytes: OPERATING WELLS Change in Well Operation: VELLHEAD MEASUREMENTS WELL ID SVE01 SVE02 SVE03 | Sample Bi-Monthly (ev | PID HEADSPACE (PPM) | DIFF PRESSURE (IN W.C.) | OXYGEN (%) | |
| Analytes: OPERATING WELLS Change in Well Operation: VELLHEAD MEASUREMENTS WELL ID SVE01 SVE02 SVE03 | Sample Bi-Monthly (ev | PID HEADSPACE (PPM) | DIFF PRESSURE (IN W.C.) | OXYGEN (%) | |
| Analytes: OPERATING WELLS Change in Well Operation: VELLHEAD MEASUREMENTS WELL ID SVE01 SVE02 SVE03 | Sample Bi-Monthly (ev | PID HEADSPACE (PPM) | DIFF PRESSURE (IN W.C.) | OXYGEN (%) | |
| Analytes: OPERATING WELLS Change in Well Operation: VELLHEAD MEASUREMENTS WELL ID SVE01 SVE02 SVE03 | Sample Bi-Monthly (ev | PID HEADSPACE (PPM) | DIFF PRESSURE (IN W.C.) | OXYGEN (%) | |
| Analytes: OPERATING WELLS Change in Well Operation: VELLHEAD MEASUREMENTS WELL ID SVE01 SVE02 | Sample Bi-Monthly (ev | PID HEADSPACE (PPM) | DIFF PRESSURE (IN W.C.) | OXYGEN (%) | CARBON DIOXIDE (|



| DATE: | 2-21 | O&M PERSONNEL: _ TIME OFFSITE: _ | B Sinclair | | |
|---|-----------------------|--|--------------------------------|--------------|--------------------|
| | | SVE SYSTEM - MO | NTHLY O&M | | |
| SVE ALARMS: | | KO TANK HIGH LEVEL | | | |
| WEEKLY MAINTENANCE: E | | Check/Date | | | |
| UARTERLY MAINTENANCE: E | Blower Oil Change | | | | |
| SVE SYSTEM | READING | TIME | | | |
| Blower Hours (take photo) Inlet Vacuum (IHG) | 12094.5 | 1512 | | | |
| Differential Pressure (IWC) Inlet PID | 76.4 | | | | |
| Exhaust PID iniet Temperature | 110 | | | | |
| K/O Tank Liquid Level K/O Liquid Drained (gallons) | | | | | |
| | | SVE SYSTEM S | SAMPLING | | |
| SAMPLE ID: Analytes: | Sample Bi-Monthly (ev | SAMPLE TIME: ery other month) for TVPH (8 | 015), BTEX (8260), Fixed Gas (| (CO2 AND O2) | |
| OPERATING WELLS | | | | | |
| Change in Well Operation: | | | | | |
| WELLHEAD MEASUREMENT | S | L DID LIEADODACE (DDM) | DIFF PRESSURE (IN W.C.) | OXYGEN (%) | CARBON DIOXIDE (%) |
| WELL ID SVE01 | VACUUM (IHG) | 78.2 | 0.03 | | |
| SVE02 SVE03 | | | | | |
| COMMENTS/OTHER MAINTE | NANCE: | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |



| TIME ONSITE: | 3-11 | O&M PERSONNEL: _ TIME OFFSITE: | Dainelair | The Market of the State of the | |
|--|--|--|---------------------------------|---|--------------------|
| | | SVE SYSTEM - MC | | | |
| SVE ALARMS: | | KO TANK HIGH LEVEL | | | |
| | | Check/Date / | | | |
| WEEKLY MAINTENANCE: E | Blower Bearing Grease | | | | |
| SVE SYSTEM | READING | TIME | | | |
| Blower Hours (take photo) Inlet Vacuum (IHG) | 12525,6 | 1425 | | | |
| Differential Pressure (IWC) | 0.05 | | | | |
| Inlet PID | 96.5 | | | | |
| Exhaust PID | 25.7 | | | | |
| K/O Tank Liquid Level | 117.3 | | | | |
| K/O Liquid Drained (gallons) | | | | | |
| | 为1000000000000000000000000000000000000 | SVE SYSTEM S | SAMDLING. | | |
| SAMPLE ID: | | SAMPLE TIME: | | | |
| Analytes: | Sample Bi-Monthly (ev | very other month) for TVPH (8 | 3015), BTEX (8260), Fixed Gas (| CO2 AND O2) | |
| OPERATING WELLS | | | | | |
| | | | | | |
| Change in Well Operation: | | | | | |
| | | | | | |
| WELLHEAD MEASUREMENT WELL ID | VACUUM (IHG) | PID HEADSPACE (PPM) | DIFF PRESSURE (IN W.C.) | OXYGEN (%) | CARBON DIOXIDE (%) |
| SVE01 | 5.0 | 98.2 | 0.04 | | |
| -SVE02 | THE RESERVE OF THE PARTY OF THE | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | | 1 | |
| SVE03 | | | | - | |
| | NANCE: | | | | |
| COMMENTS/OTHER MAINTE | INAINOL. | | | | |
| COMMENTS/OTHER MAINTE | INANOL. | | | | |
| COMMENTS/OTHER MAINTE | INAINOL | | | | |
| COMMENTS/OTHER MAINTE | INANOL. | | | | |
| COMMENTS/OTHER MAINTE | INANOL. | | | | |
| COMMENTS/OTHER MAINTE | INANOL | | | | |
| COMMENTS/OTHER MAINTE | INANOL. | | | | |
| COMMENTS/OTHER MAINTE | -NANOL. | | | | |

| | | O&M FO | | | |
|--|--|------------------------------|-------------------------------|--------------|--------------------|
| DATE: TIME ONSITE: | 3-31 | O&M PERSONNEL: | B Sinclair | | |
| TIME ONSITE: | | TIME OFFSITE: | | | |
| | | SVE SYSTEM - MC | ONTHLY O&M | | |
| SVE ALARMS: | | KO TANK HIGH LEVEL | | | |
| | | Check/Date / | | | |
| WEEKLY MAINTENANCE: | | | | | |
| UARTERLY MAINTENANCE: | Blower Oil Change | | | | |
| SVE SYSTEM | READING | TIME | | | |
| Blower Hours (take photo) Inlet Vacuum (IHG) | the state of the s | 1246 | | | |
| Differential Pressure (IWC) | | | | | |
| Inlet PID | | | | | |
| Exhaust PID Inlet Temperature | | | | | |
| K/O Tank Liquid Level | | | | | |
| K/O Liquid Drained (gallons) | | | | | |
| | | SVE SYSTEM S | SAMPLING | | |
| SAMPLE ID: | | SAMPLE TIME: | | | |
| | | ery other month) for TVPH (8 | 8015), BTEX (8260), Fixed Gas | (CO2 AND O2) | |
| OPERATING WELLS | | | | | |
| Change in Well Operation: | | | | | |
| | | | | | |
| WELLHEAD MEASUREMENT | TS | | | | |
| WELL ID | VACUUM (IHG) | PID HEADSPACE (PPM) | 71 6 11 | OXYGEN (%) | CARBON DIOXIDE (%) |
| SVE01 | 312 | 1.2 | 0.04 | 14.8 | 0.1 |
| SVE03 | | | | | |
| COMMENTS/OTHER MAINTE | ENANCE: | | | | |
| | | | | | |
| Replaced b | elt | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |



APPENDIX B

Project Photographs

PROJECT PHOTOGRAPHS

Sunray B 1B San Juan County, New Mexico Hilcorp Energy Company

Photograph 1

Runtime meter taken on December 17, 2024 at 11:50 AM Hours = 10,508.3



Photograph 2

Runtime meter taken on March 31, 2025 at 12:46 PM Hours = 13,001.0





APPENDIX C

Laboratory Analytical Reports

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Killough Hilcorp Energy PO BOX 4700 Farmington, New Mexico 87499

Generated 2/19/2025 2:24:12 PM

JOB DESCRIPTION

Sunray B 1B

JOB NUMBER

885-19598-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 2/19/2025 2:24:12 PM

Authorized for release by Michelle Garcia, Project Manager michelle.garcia@et.eurofinsus.com (505)345-3975

Page 2 of 24 2/19/2025

Laboratory Job ID: 885-19598-1

Client: Hilcorp Energy Project/Site: Sunray B 1B

Table of Contents

| Cover Page | 1 |
|------------------------|----|
| Table of Contents | 3 |
| Definitions/Glossary | 4 |
| Case Narrative | 5 |
| Client Sample Results | 6 |
| QC Sample Results | 8 |
| QC Association Summary | 11 |
| Lab Chronicle | 12 |
| Certification Summary | 13 |
| Subcontract Data | 16 |
| Chain of Custody | 23 |
| Receipt Checklists | 24 |

9

5

0

8

9

IU

15

Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive **Quality Control**

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Not Detected at the reporting limit (or MDL or EDL if shown)

Definitions/Glossary

Client: Hilcorp Energy Job ID: 885-19598-1

Project/Site: Sunray B 1B

Glossary

ML

MPN

MQL

NC

ND

NEG

POS

PQL

PRES

QC RER

RL

RPD

TEF

TEQ

TNTC

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |

Case Narrative

Client: Hilcorp Energy Job ID: 885-19598-1 Project: Sunray B 1B

Job ID: 885-19598-1 **Eurofins Albuquerque**

> Job Narrative 885-19598-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 2/8/2025 8:05 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 15.5°C.

Subcontract Work

Method Fixed Gases: This method was subcontracted to Energy Laboratories, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

Client: Hilcorp Energy

Job ID: 885-19598-1

Project/Site: Sunray B 1B

Client Sample ID: SVE-1

Lab Sample ID: 885-19598-1

Matrix: Air

Date Collected: 02/06/25 15:45
Date Received: 02/08/25 08:05
Sample Container: Tedlar Bag 1L

Released to Imaging: 4/17/2025 1:08:54 PM

| Method: SW846 8015M/D - | Nonhalogenated Org | ganics using GC/MS | -Modified (| Gasoline F | Range Organics) |
|-------------------------|--------------------|--------------------|-------------|------------|-----------------|
| | | | | | |

| Analyte | Result Qualific | | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------------|----|------|---|----------|----------------|---------|
| Gasoline Range Organics [C6 - C10] | ND | 25 | ug/L | | | 02/17/25 17:55 | 5 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|--------|-------------------|---------|
| 4-Bromofluorobenzene (Surr) | 98 | | 52 172 | 02/17/25 17:55 | 5 |

| Analyte | Result Qualifier | RL | Unit | D Prepared | Analyzed | Dil Fac |
|-----------------------------|------------------|------|------|------------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 1,1,1-Trichloroethane | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | ug/L | | 02/17/25 17:55 | 5 |
| 1,1,2-Trichloroethane | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 1,1-Dichloroethane | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 1,1-Dichloroethene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 1,1-Dichloropropene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 1,2,3-Trichlorobenzene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | | 02/17/25 17:55 | 5 |
| 1,2,4-Trichlorobenzene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 1,2-Dibromo-3-Chloropropane | ND | 1.0 | ug/L | | 02/17/25 17:55 | 5 |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 1,2-Dichlorobenzene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 1,2-Dichloroethane (EDC) | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 1,2-Dichloropropane | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 1,3-Dichlorobenzene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 1,3-Dichloropropane | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 1,4-Dichlorobenzene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 1-Methylnaphthalene | ND | 2.0 | ug/L | | 02/17/25 17:55 | 5 |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | | 02/17/25 17:55 | 5 |
| 2-Butanone | ND | 5.0 | ug/L | | 02/17/25 17:55 | 5 |
| 2-Chlorotoluene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 2-Hexanone | ND | 5.0 | ug/L | | 02/17/25 17:55 | 5 |
| 2-Methylnaphthalene | ND | 2.0 | ug/L | | 02/17/25 17:55 | 5 |
| 4-Chlorotoluene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 4-Isopropyltoluene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | | 02/17/25 17:55 | 5 |
| Acetone | ND | 5.0 | ug/L | | 02/17/25 17:55 | 5 |
| Benzene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Bromobenzene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Bromodichloromethane | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Dibromochloromethane | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Bromoform | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Bromomethane | ND | 1.5 | ug/L | | 02/17/25 17:55 | 5 |
| Carbon disulfide | ND | 5.0 | ug/L | | 02/17/25 17:55 | 5 |
| Carbon tetrachloride | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Chlorobenzene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Chloroethane | ND | 1.0 | ug/L | | 02/17/25 17:55 | 5 |
| Chloroform | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Chloromethane | ND | 1.5 | ug/L | | 02/17/25 17:55 | 5 |

Eurofins Albuquerque

2

5

7

10

12

Job ID: 885-19598-1

Client: Hilcorp Energy Project/Site: Sunray B 1B

Surrogate

Toluene-d8 (Surr)

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Client Sample ID: SVE-1

Lab Sample ID: 885-19598-1

Prepared

Analyzed

02/17/25 17:55

02/17/25 17:55

02/17/25 17:55

02/17/25 17:55

Dil Fac

5

5

5

5

Matrix: Air

Date Collected: 02/06/25 15:45 Date Received: 02/08/25 08:05 Sample Container: Tedlar Bag 1L

| nalyzed | Dil Fac | Π |
|------------|---------|---|
| 7/25 17:55 | 5 | |
| 7/25 17:55 | 5 | |
| 7/25 17:55 | 5 | |
| 7/25 17:55 | 5 | |
| 7/25 17:55 | 5 | |
| 7/25 17:55 | 5 | |
| 7/25 17:55 | 5 | |
| 7/25 17:55 | 5 | |
| | _ | |

| Method: SW846 8260B - Volatile Analyte | Result Qualifier | RL | Unit | D Prepa | ared Analyzed | Dil Fac |
|---|------------------|------|------|---------|----------------|---------|
| cis-1,2-Dichloroethene | | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Dibromomethane | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Dichlorodifluoromethane | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Ethylbenzene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Hexachlorobutadiene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Isopropylbenzene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Methyl-tert-butyl Ether (MTBE) | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Methylene Chloride | ND | 1.5 | ug/L | | 02/17/25 17:55 | 5 |
| n-Butylbenzene | ND | 1.5 | ug/L | | 02/17/25 17:55 | 5 |
| N-Propylbenzene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Naphthalene | ND | 1.0 | ug/L | | 02/17/25 17:55 | 5 |
| sec-Butylbenzene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Styrene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| tert-Butylbenzene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Tetrachloroethene (PCE) | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Toluene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| trans-1,2-Dichloroethene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Trichloroethene (TCE) | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Trichlorofluoromethane | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Vinyl chloride | ND | 0.50 | ug/L | | 02/17/25 17:55 | 5 |
| Xylenes, Total | ND | 0.75 | ug/L | | 02/17/25 17:55 | 5 |

Limits

70 - 130

70 - 130

70 - 130

70 - 130

%Recovery Qualifier

102

98

97

109

QC Sample Results

Job ID: 885-19598-1 Client: Hilcorp Energy

Project/Site: Sunray B 1B

Method: 8015M/D - Nonhalogenated Organics using GC/MS -Modified (Gasoline Range Organics)

Client Sample ID: Method Blank Lab Sample ID: MB 885-20915/5 Prep Type: Total/NA

Matrix: Air **Analysis Batch: 20915**

MB MB Qualifier RL Unit D Analyzed Dil Fac Analyte Result Prepared Gasoline Range Organics [C6 - C10] ND 5.0 ug/L 02/17/25 15:53

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 95 52 - 172 02/17/25 15:53

Lab Sample ID: LCS 885-20915/4 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Air

Analysis Batch: 20915

Spike LCS LCS %Rec Added Result Qualifier D Limits Analyte Unit %Rec 500 482 ug/L 96 70 - 130Gasoline Range Organics [C6 -

C10]

LCS LCS

ND

ND

ND

%Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 103 52 - 172

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-20919/5 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Air

Analysis Batch: 20919

1,2,3-Trichlorobenzene

1,3-Dichloropropane

1,4-Dichlorobenzene

MB MB Result Qualifier RL Unit D Dil Fac Analyte Prepared Analyzed ND 02/17/25 15:53 1,1,1,2-Tetrachloroethane 0.10 ug/L 1,1,1-Trichloroethane ND 0.10 ug/L 02/17/25 15:53 1,1,2,2-Tetrachloroethane ND 0.20 ug/L 02/17/25 15:53 1,1,2-Trichloroethane ND 0.10 ug/L 02/17/25 15:53 ND 0.10 1.1-Dichloroethane ug/L 02/17/25 15:53 1,1-Dichloroethene ND 0.10 ug/L 02/17/25 15:53 ND 0.10 ug/L 02/17/25 15:53 1.1-Dichloropropene

0.10

ug/L

ug/L

ug/L

1,2,3-Trichloropropane ND 0.20 ug/L 02/17/25 15:53 ND 02/17/25 15:53 1,2,4-Trichlorobenzene 0.10 ug/L 1,2,4-Trimethylbenzene ND 0.10 ug/L 02/17/25 15:53 1,2-Dibromo-3-Chloropropane ND 0.20 ug/L 02/17/25 15:53 1,2-Dibromoethane (EDB) ND 0.10 ug/L 02/17/25 15:53 ND ug/L 1.2-Dichlorobenzene 0.10 02/17/25 15:53 ND 0.10 02/17/25 15:53 1,2-Dichloroethane (EDC) ug/L 1,2-Dichloropropane ND 0.10 ug/L 02/17/25 15:53 1,3,5-Trimethylbenzene ND 0.10 ug/L 02/17/25 15:53 1.3-Dichlorobenzene ND 0.10 ug/L 02/17/25 15:53

0.10

0.10

1-Methylnaphthalene ND 0.40 ug/L 02/17/25 15:53 2,2-Dichloropropane ND 0.20 ug/L 02/17/25 15:53 2-Butanone ND 1.0 ug/L 02/17/25 15:53 2-Chlorotoluene ND 0.10 ug/L 02/17/25 15:53 ND 02/17/25 15:53 2-Hexanone 1.0 ug/L

Eurofins Albuquerque

02/17/25 15:53

02/17/25 15:53

02/17/25 15:53

QC Sample Results

Client: Hilcorp Energy Job ID: 885-19598-1

Project/Site: Sunray B 1B

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

мв мв

Lab Sample ID: MB 885-20919/5

Matrix: Air

Analysis Batch: 20919

Client Sample ID: Method Blank

Prep Type: Total/NA

| | IVID | IVID | | | | | | |
|--------------------------------|------|-----------|------|------|---|----------|----------------|---------|
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| 2-Methylnaphthalene | ND | | 0.40 | ug/L | | | 02/17/25 15:53 | 1 |
| 4-Chlorotoluene | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| 4-Isopropyltoluene | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| 4-Methyl-2-pentanone | ND | | 1.0 | ug/L | | | 02/17/25 15:53 | 1 |
| Acetone | ND | | 1.0 | ug/L | | | 02/17/25 15:53 | 1 |
| Benzene | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Bromobenzene | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Bromodichloromethane | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Dibromochloromethane | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Bromoform | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Bromomethane | ND | | 0.30 | ug/L | | | 02/17/25 15:53 | 1 |
| Carbon disulfide | ND | | 1.0 | ug/L | | | 02/17/25 15:53 | 1 |
| Carbon tetrachloride | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Chlorobenzene | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Chloroethane | ND | | 0.20 | ug/L | | | 02/17/25 15:53 | 1 |
| Chloroform | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Chloromethane | ND | | 0.30 | ug/L | | | 02/17/25 15:53 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Dibromomethane | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Dichlorodifluoromethane | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Ethylbenzene | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Hexachlorobutadiene | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Isopropylbenzene | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Methyl-tert-butyl Ether (MTBE) | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Methylene Chloride | ND | | 0.30 | ug/L | | | 02/17/25 15:53 | 1 |
| n-Butylbenzene | ND | | 0.30 | ug/L | | | 02/17/25 15:53 | 1 |
| N-Propylbenzene | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Naphthalene | ND | | 0.20 | ug/L | | | 02/17/25 15:53 | 1 |
| sec-Butylbenzene | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Styrene | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| tert-Butylbenzene | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Tetrachloroethene (PCE) | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Toluene | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Trichloroethene (TCE) | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Trichlorofluoromethane | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Vinyl chloride | ND | | 0.10 | ug/L | | | 02/17/25 15:53 | 1 |
| Xylenes, Total | ND | | 0.15 | ug/L | | | 02/17/25 15:53 | 1 |
| | МВ | MB | | | | | | |
| 0 | 0/ 5 | O | 1::4 | | | D | A I I | D# E |

| Surrogate | %Recovery | Qualifier | Limits | F | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|---|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 70 - 130 | | | 02/17/25 15:53 | 1 |
| Toluene-d8 (Surr) | 97 | | 70 - 130 | | | 02/17/25 15:53 | 1 |
| 4-Bromofluorobenzene (Surr) | 95 | | 70 - 130 | | | 02/17/25 15:53 | 1 |
| Dibromofluoromethane (Surr) | 106 | | 70 - 130 | | | 02/17/25 15:53 | 1 |

Eurofins Albuquerque

QC Sample Results

Client: Hilcorp Energy Job ID: 885-19598-1

Project/Site: Sunray B 1B

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: Lab Control Sample

Matrix: Air

Prep Type: Total/NA

Analysis Batch: 20919

| | Spike | LCS | LCS | | | | %Rec | |
|-----------------------|-------|--------|-----------|------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| 1,1-Dichloroethene | 20.1 | 19.5 | | ug/L | | 97 | 70 - 130 | |
| Benzene | 20.1 | 20.4 | | ug/L | | 101 | 70 - 130 | |
| Chlorobenzene | 20.1 | 19.7 | | ug/L | | 98 | 70 - 130 | |
| Toluene | 20.2 | 19.4 | | ug/L | | 96 | 70 - 130 | |
| Trichloroethene (TCE) | 20.2 | 19.8 | | ug/L | | 98 | 70 - 130 | |
| | | | | | | | | |

| LCS | LCS |
|-----|-----|
| | |

| Surrogate | %Recovery | Qualifier | Limits |
|------------------------------|-----------|-----------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 70 - 130 |
| Toluene-d8 (Surr) | 98 | | 70 - 130 |
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 |
| Dibromofluoromethane (Surr) | 106 | | 70 - 130 |

QC Association Summary

Client: Hilcorp Energy Job ID: 885-19598-1

Project/Site: Sunray B 1B

GC/MS VOA

Analysis Batch: 20915

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|---------|------------|
| 885-19598-1 | SVE-1 | Total/NA | Air | 8015M/D | |
| MB 885-20915/5 | Method Blank | Total/NA | Air | 8015M/D | |
| LCS 885-20915/4 | Lab Control Sample | Total/NA | Air | 8015M/D | |

Analysis Batch: 20919

| Lab Sa | imple ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------|------------|--------------------|-----------|--------|--------|------------|
| 885-19 | 598-1 | SVE-1 | Total/NA | Air | 8260B | <u> </u> |
| MB 88 | 5-20919/5 | Method Blank | Total/NA | Air | 8260B | |
| LCS 8 | 35-20919/4 | Lab Control Sample | Total/NA | Air | 8260B | |

4

6

0

10

11

12

Lab Chronicle

Client: Hilcorp Energy Job ID: 885-19598-1

Project/Site: Sunray B 1B

Client Sample ID: SVE-1 Lab Sample ID: 885-19598-1

Matrix: Air

Date Collected: 02/06/25 15:45
Date Received: 02/08/25 08:05

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|---------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Analysis | 8015M/D | | 5 | 20915 | CM | EET ALB | 02/17/25 17:55 |
| Total/NA | Analysis | 8260B | | 5 | 20919 | CM | EET ALB | 02/17/25 17:55 |

Laboratory References:

= , 1120 South 27th Street, Billings, MT 59101, TEL (406)252-6325

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Eurofins Albuquerque

3

Δ

5

7

9

10

Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-19598-1

Project/Site: Sunray B 1B

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| uthority | Progra | m | Identification Number | Expiration Date |
|-----------------|--|------------------------------|--|------------------------|
| ew Mexico | State | | NM9425, NM0901 | 02-26-25 |
| | are included in this report, but ses not offer certification. | the laboratory is not certif | ied by the governing authority. This lis | st may include analyte |
| Analysis Method | Prep Method | Matrix | Analyte | |
| 8015M/D | | Air | Gasoline Range Organics | [C6 - C10] |
| 8260B | | Air | 1,1,1,2-Tetrachloroethane | - |
| 8260B | | Air | 1,1,1-Trichloroethane | |
| 8260B | | Air | 1,1,2,2-Tetrachloroethane | |
| 8260B | | Air | 1,1,2-Trichloroethane | |
| 8260B | | Air | 1,1-Dichloroethane | |
| 8260B | | Air | 1,1-Dichloroethene | |
| 8260B | | Air | 1,1-Dichloropropene | |
| 8260B | | Air | 1,2,3-Trichlorobenzene | |
| 8260B | | Air | 1,2,3-Trichloropropane | |
| 8260B | | Air | 1,2,4-Trichlorobenzene | |
| 8260B | | Air | 1,2,4-Trimethylbenzene | |
| 8260B | | Air | 1,2-Dibromo-3-Chloroprop | oane |
| 8260B | | Air | 1,2-Dibromoethane (EDB) |) |
| 8260B | | Air | 1,2-Dichlorobenzene | |
| 8260B | | Air | 1,2-Dichloroethane (EDC) |) |
| 8260B | | Air | 1,2-Dichloropropane | |
| 8260B | | Air | 1,3,5-Trimethylbenzene | |
| 8260B | | Air | 1,3-Dichlorobenzene | |
| 8260B | | Air | 1,3-Dichloropropane | |
| 8260B | | Air | 1,4-Dichlorobenzene | |
| 8260B | | Air | 1-Methylnaphthalene | |
| 8260B | | Air | 2,2-Dichloropropane | |
| 8260B | | Air | 2-Butanone | |
| 8260B | | Air | 2-Chlorotoluene | |
| 8260B | | Air | 2-Hexanone | |
| 8260B | | Air | 2-Methylnaphthalene | |
| 8260B | | Air | 4-Chlorotoluene | |
| 8260B | | Air | 4-Isopropyltoluene | |
| 8260B | | Air | 4-Methyl-2-pentanone | |
| 8260B | | Air | Acetone | |
| 8260B | | Air | Benzene | |
| 8260B | | Air | Bromobenzene | |
| 8260B | | Air | Bromodichloromethane | |
| 8260B | | Air | Bromoform | |
| 8260B | | Air | Bromomethane | |
| 8260B | | Air | Carbon disulfide | |
| 8260B | | Air | Carbon tetrachloride | |
| 8260B | | Air | Chlorobenzene | |
| 8260B | | Air | Chloroethane | |
| 8260B | | Air | Chloroform | |
| 8260B | | Air | Chloromethane | |
| 8260B | | Air | cis-1,2-Dichloroethene | |
| 8260B | | Air | cis-1,3-Dichloropropene | |
| 8260B | | Air | Dibromochloromethane | |

Eurofins Albuquerque

2

3

4

5

9

11

Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-19598-1

Project/Site: Sunray B 1B

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| hority | Program | | Identification Number | Expiration Date | |
|-----------------|---------------------------------|--------------------------------|---|------------------------|--|
| | are included in this report, bu | t the laboratory is not certif | ied by the governing authority. This li | st may include analyte | |
| Analysis Method | | | Analyte | | |
| 8260B | | Air | Dibromomethane | | |
| 8260B | | Air | Dichlorodifluoromethane | | |
| 8260B | | Air | Ethylbenzene | | |
| 8260B | | Air | Hexachlorobutadiene | | |
| 8260B | | Air | Isopropylbenzene | | |
| 8260B | | Air | Methylene Chloride | | |
| 8260B | | Air | Methyl-tert-butyl Ether (MTBE) | | |
| 8260B | | Air | Naphthalene | | |
| 8260B | | Air | n-Butylbenzene | | |
| 8260B | | Air | N-Propylbenzene | | |
| 8260B | | Air | sec-Butylbenzene | | |
| 8260B | | Air | Styrene | | |
| 8260B | | Air | tert-Butylbenzene | | |
| 8260B | | Air | Tetrachloroethene (PCE) | | |
| 8260B | | Air | Toluene | | |
| 8260B | | Air | trans-1,2-Dichloroethene | | |
| 8260B | | Air | trans-1,3-Dichloropropen | е | |
| 8260B | | Air | Trichloroethene (TCE) | | |
| 8260B | | Air | Trichlorofluoromethane | | |
| 8260B | | Air | Vinyl chloride | | |
| 8260B | | Air | Xylenes, Total | | |
| on | NELAI | o | NM100001 | 02-25-25 | |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | alysis Method Prep Method | | Analyte |
|-----------------|---------------------------|-----|------------------------------------|
| 8015M/D | | Air | Gasoline Range Organics [C6 - C10] |
| 8260B | | Air | 1,1,1,2-Tetrachloroethane |
| 8260B | | Air | 1,1,1-Trichloroethane |
| 8260B | | Air | 1,1,2,2-Tetrachloroethane |
| 8260B | | Air | 1,1,2-Trichloroethane |
| 8260B | | Air | 1,1-Dichloroethane |
| 8260B | | Air | 1,1-Dichloroethene |
| 8260B | | Air | 1,1-Dichloropropene |
| 8260B | | Air | 1,2,3-Trichlorobenzene |
| 8260B | | Air | 1,2,3-Trichloropropane |
| 8260B | | Air | 1,2,4-Trichlorobenzene |
| 8260B | | Air | 1,2,4-Trimethylbenzene |
| 8260B | | Air | 1,2-Dibromo-3-Chloropropane |
| 8260B | | Air | 1,2-Dibromoethane (EDB) |
| 8260B | | Air | 1,2-Dichlorobenzene |
| 8260B | | Air | 1,2-Dichloroethane (EDC) |
| 8260B | | Air | 1,2-Dichloropropane |
| 8260B | | Air | 1,3,5-Trimethylbenzene |
| 8260B | | Air | 1,3-Dichlorobenzene |
| 8260B | | Air | 1,3-Dichloropropane |
| 8260B | | Air | 1,4-Dichlorobenzene |

Eurofins Albuquerque

1

3

8

3

1 1

Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-19598-1

Project/Site: Sunray B 1B

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| ority | Progra | am | Identification Number Expiration | Date | | |
|---|-------------|--------|-------------------------------------|------|--|--|
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. | | | | | | |
| Analysis Method | Prep Method | Matrix | Analyte | | | |
| 8260B | | Air | 1-Methylnaphthalene | | | |
| 8260B | | Air | 2,2-Dichloropropane | | | |
| 8260B | | Air | 2-Butanone | | | |
| 8260B | | Air | 2-Chlorotoluene | | | |
| 8260B | | Air | 2-Hexanone | | | |
| 8260B | | Air | 2-Methylnaphthalene | | | |
| 8260B | | Air | 4-Chlorotoluene | | | |
| 8260B | | Air | 4-Isopropyltoluene | | | |
| 8260B | | Air | 4-Methyl-2-pentanone | | | |
| 8260B | | Air | Acetone | | | |
| 8260B | | Air | Benzene | | | |
| 8260B | | Air | Bromobenzene | | | |
| 8260B | | Air | Bromodichloromethane | | | |
| 8260B | | Air | Bromoform | | | |
| 8260B | | Air | Bromomethane | | | |
| 8260B | | Air | Carbon disulfide | | | |
| 8260B | | Air | Carbon tetrachloride | | | |
| 8260B | | Air | Chlorobenzene | | | |
| 8260B | | Air | Chloroethane | | | |
| 8260B | | Air | Chloroform | | | |
| 8260B | | Air | Chloromethane | | | |
| 8260B | | Air | cis-1,2-Dichloroethene | | | |
| 8260B | | Air | cis-1,3-Dichloropropene | | | |
| 8260B | | Air | Dibromochloromethane | | | |
| 8260B | | Air | Dibromomethane | | | |
| 8260B | | Air | Dichlorodifluoromethane | | | |
| 8260B | | Air | | | | |
| 8260B | | Air | Ethylbenzene Hexachlorobutadiene | | | |
| | | | | | | |
| 8260B | | Air | Isopropylbenzene | | | |
| 8260B 8260B | | Air | Methyl tert butyl Ether (MTRE) | | | |
| | | Air | Methyl-tert-butyl Ether (MTBE) | | | |
| 8260B | | Air | Naphthalene n-Butylbenzene | | | |
| 8260B | | Air | • | | | |
| 8260B | | Air | N-Propylbenzene | | | |
| 8260B | | Air | sec-Butylbenzene | | | |
| 8260B | | Air | Styrene | | | |
| 8260B | | Air | tert-Butylbenzene | | | |
| 8260B | | Air | Tetrachloroethene (PCE) | | | |
| 8260B | | Air | Toluene | | | |
| 8260B | | Air | trans-1,2-Dichloroethene | | | |
| 8260B | | Air | trans-1,3-Dichloropropene | | | |
| 8260B | | Air | Trichloroethene (TCE) | | | |
| 8260B | | Air | Trichlorofluoromethane | | | |
| 8260B | | Air | Vinyl chloride | | | |
| 8260B | | Air | Xylenes, Total | | | |

Eurofins Albuquerque

2

3

4

6

8

10

11

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

ANALYTICAL SUMMARY REPORT

February 13, 2025

Eurofins TestAmerica - Albuquerque 4901 Hawkins St NE Ste D Albuquerque, NM 87109-4372

Work Order: B25020518 Quote ID: B15626

Project Name: 88501698, Sunray B 1B

Energy Laboratories Inc Billings MT received the following 1 sample for Eurofins TestAmerica - Albuquerque on 2/11/2025 for analysis.

| Lab ID | Client Sample ID | Collect Date Receive Date | Matri x | Test |
|---------------|---------------------|---------------------------|---------|---|
| B25020518-001 | SVE-1 (885-19598-1) | 02/06/25 15:45 02/11/25 | 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 So. 27th Street, 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.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

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

-

2

8

10

Page 1 of 7 2/19/2025

Billings, MT 406.252.6325 • Casper, WY 307.235.0515

Report Date: 02/13/25

DateReceived: 02/11/25

Matrix: Air

Collection Date: 02/06/25 15:45

Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Eurofins TestAmerica - Albuquerque Client:

Project: 88501698, Sunray B 1B

Lab ID: B25020518-001 Client Sample ID: SVE-1 (885-19598-1)

| | | | | | MCL/ | | |
|---------------------------------------|---------|-------|------------|-------|------|-------------|----------------------|
| Analyses | Result | Units | Qualifiers | RL | QCL | Method | Analysis Date / By |
| GAS CHROMATOGRAPHY ANALYSIS RE | PORT | | | | | | |
| Oxygen | 21.90 | Mol % | | 0.01 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| Nitrogen | 78.00 | Mol % | | 0.01 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| Carbon Dioxide | 0.10 | Mol % | | 0.01 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| lydrogen Sulfide | <0.01 | Mol % | | 0.01 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| <i>l</i> lethane | <0.01 | Mol % | | 0.01 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| thane | <0.01 | Mol % | | 0.01 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| Propane | <0.01 | Mol % | | 0.01 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| sobutane | <0.01 | Mol % | | 0.01 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| -Butane | <0.01 | Mol % | | 0.01 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| sopentane | <0.01 | Mol % | | 0.01 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| -Pentane | <0.01 | Mol % | | 0.01 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| lexanes plus | <0.01 | Mol % | | 0.01 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| ropane ropane | < 0.001 | gpm | | 0.001 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| sobutane | < 0.001 | gpm | | 0.001 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| -Butane | < 0.001 | gpm | | 0.001 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| sopentane | < 0.001 | gpm | | 0.001 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| -Pentane | < 0.001 | gpm | | 0.001 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| lexanes plus | < 0.001 | gpm | | 0.001 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| SPM Total | < 0.001 | gpm | | 0.001 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| SPM Pentanes plus | < 0.001 | gpm | | 0.001 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| CALCULATED PROPERTIES | | | | | | | |
| Gross BTU per cu ft @ Std Cond. (HHV) | ND | | | 1 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| let BTU per cu ft @ std cond. (LHV) | ND | | | 1 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| seudo-critical Pressure, psia | 545 | | | 1 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| seudo-critical Temperature, deg R | 239 | | | 1 | | GPA 2261-13 | 02/12/25 10:01 / jrj |
| pecific Gravity @ 60/60F | 0.998 | | | 0.001 | | D3588-81 | 02/12/25 10:01 / jrj |
| .ir, % | 100.05 | | | 0.01 | | GPA 2261-13 | 02/12/25 10:01 / jrj |

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.

- The analysis was not corrected for air.

RL - Analyte Reporting Limit Report **Definitions:**

QCL - Quality Control Limit

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

02/12/25 10:01 / jrj



515



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

QA/QC Summary Report

Prepared by Billings, MT Branch

| Work Order: B25020518 | | | | | | | | Repo | rt Date: | 02/13/25 | |
|-----------------------|-------------------|--------|-------------|--------------|------|------|-----------|------------|----------|----------|-----------|
| Analyte | | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
| Method: | GPA 2261-13 | | | | | | | | | Batch: | R436745 |
| Lab ID: | B25020523-001ADUP | 12 Saı | mple Duplic | ate | | | Run: GC78 | 90_250212A | | 02/12 | /25 13:16 |
| Oxygen | | | 21.8 | Mol % | 0.01 | | | | 3.2 | 20 | |
| Nitrogen | | | 78.1 | Mol % | 0.01 | | | | 0.9 | 20 | |
| Carbon D | Dioxide | | 0.07 | Mol % | 0.01 | | | | 13 | 20 | |
| Hydroger | n 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 | Э | | <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 | | <0.01 | Mol % | 0.01 | | | | | 20 | |
| Lab ID: | LCS021225 | 11 Lab | ooratory Co | ntrol Sample | | | Run: GC78 | 90_250212A | | 02/12 | /25 03:01 |
| Oxygen | | | 0.62 | Mol % | 0.01 | 124 | 70 | 130 | | | |
| Nitrogen | | | 6.10 | Mol % | 0.01 | 102 | 70 | 130 | | | |
| Carbon D | Dioxide | | 0.98 | Mol % | 0.01 | 99 | 70 | 130 | | | |
| Methane | | | 74.7 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Ethane | | | 6.01 | Mol % | 0.01 | 100 | 70 | 130 | | | |
| Propane | | | 5.03 | Mol % | 0.01 | 102 | 70 | 130 | | | |
| Isobutane | e | | 1.75 | Mol % | 0.01 | 87 | 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 | | 0.80 | Mol % | 0.01 | 100 | 70 | 130 | | | |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Login completed by: Crystal M. Jones

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

Date Received: 2/11/2025

Work Order Receipt Checklist

Eurofins TestAmerica - Albuquerque B25020518

| Login completed by. Orystal W. cones | | Date | (CCCIVCG. 2/11/2020 | | |
|---|-------------------------|------|------------------------|--|--|
| Reviewed by: Ileprowse | | Red | eived by: KLP | | |
| Reviewed Date: 2/11/2025 | Carrier name: FedEx NDA | | | | |
| Shipping container/cooler in good condition? | Yes √ | No 🗌 | Not Present | | |
| Custody seals intact on all shipping container(s)/cooler(s)? | Yes | No 🗹 | Not Present | | |
| Custody seals intact on all sample bottles? | Yes | No 🗌 | Not Present ✓ | | |
| Chain of custody present? | Yes 🗸 | No 🗌 | | | |
| Chain of custody signed when 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 holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) | Yes 🔽 | No 🗌 | | | |
| Temp Blank received in all shipping container(s)/cooler(s)? | Yes | No 🗹 | Not Applicable | | |
| Container/Temp Blank temperature: | 7.0°C No Ice | | | | |
| Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4"). | 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.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

A custody seal was present on the shipping container, but was not signed and dated. CMJ 02/11/25

Trust our People. Trust our Data.

www.energylab.com

Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

| | Agency | Number | |
|-----------------------------------|--------------------------------------|------------------|--|
| | Alaska | 17-023 | |
| | California | 3087 | |
| | Colorado | MT00005 | |
| | Department of Defense (DoD)/ISO17025 | ADE-2588 | |
| Billings, MT | Florida (Primary NELAP) | E87668 | |
| | Idaho | MT00005 | |
| d | Louisiana | 05079 | |
| ANAB | Montana | CERT0044 | |
| ANSI Vational Ascenditation Board | Nebraska | NE-OS-13-04 | |
| TESTING LAEDRIATORY | Nevada | NV-C24-00250 | |
| ALCON. | North Dakota | R-007 | |
| | National Radon Proficiency | 109383-RMP | |
| TNI | Oregon | 4184 | |
| CORATOR | South Dakota | ARSD 74:04:07 | |
| | Texas | TX-C24-00302 | |
| | US EPA Region VIII | Reciprocal | |
| | USDA Soil Permit | P330-20-00170 | |
| | Washington | C1039 | |
| | Alaska | 20-006 | |
| | California | 3021 | |
| | Colorado | WY00002 | |
| | Florida (Primary NELAP) | E87641 | |
| | Idaho | WY00002 | |
| | Louisiana | 05083 | |
| asper, WY | Montana | CERTO002 | |
| De ACCOUNT | Nebraska | NE-OS-08-04 | |
| | Nevada | NV-C24-00245 | |
| TASOMATON! | North Dakota | R-125 | |
| | Oregon | WY200001 | |
| | South Dakota | WY00002 | |
| | Texas | T104704181-23-21 | |
| | US EPA Region VIII | WY00002 | |
| | USNRC License | 49-26846-01 | |
| | Washington | C1012 | |
| illette, WY | US EPA Region VIII | WY00006 | |
| | Colorado | MT00945 | |
| lelena, MT | Montana | CERT0079 | |
| The state of the | Nevada | NV-C24-00119 | |
| | US EPA Region VIII | Reciprocal | |
| | USDA Soil Permit | P330-20-00090 | |

Page 6 of 7 2/19/2025

```
Preservative
None
                                                                     Subcontract Method Instructions
Sample IDs Method Metho

1 SUBCONTRACT SUB (1)
                Container Type
Tedlar Bag 1L
Containers
              Count
```

Method Comments Fixed Gases

Method Description SUB (Fixed Gases)/ Fixed Gases

ICOC No: 885-3840

Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-19598-1

Login Number: 19598 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

| Contact magnitude distribution | | |
|--|--------|------------------------------------|
| Question | Answer | Comment |
| Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td> | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | False | Thermal preservation not required. |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 452080

CONDITIONS

| Operator: | OGRID: |
|------------------------|---|
| HILCORP ENERGY COMPANY | 372171 |
| 1111 Travis Street | Action Number: |
| Houston, TX 77002 | 452080 |
| | Action Type: |
| | [REPORT] Alternative Remediation Report (C-141AR) |

CONDITIONS

| Create By | | Condition Date |
|--------------|---|-------------------|
| nvel | z 1. Continue O&M & sampling as stated in report. 2. Submit next quarterly report by July 15, 2025. | 4/17/2025 |