

Lab #: 930151

Job #: 59278

CoreTrac: IS-69033

Sample Name: BW_Martin_47218_F

Company: Oxy USA Inc.

Container: IsoFlask

Field/Site Name:

BWSE/GWA_Buffalo_Ridge_Water_Well

Location: NWSW_12_1N_66W

Formation/Depth: Q3

Sampling Point: 753954

Date Sampled: 07/16/2024 09:42

Date Received:
07/17/2024

Date Reported:
08/14/2024

| Component | Chemical mol% | $\delta^{13}\text{C}$ ‰ | δD ‰ | $\delta^{18}\text{O}$ ‰ | Dissolved gas cc/L | Dissolved gas ppm |
|-----------------|---------------|-------------------------|--------------------|-------------------------|--------------------|-------------------|
| Carbon Monoxide | nd | | | | | |
| Helium | na | | | | | |
| Hydrogen | nd | | | | | |
| Argon | 0.839 | | | | 0.31 | 0.51 |
| Oxygen | 7.26 | | | | | |
| Nitrogen | 43.48 | | | | 15 | 17 |
| Carbon Dioxide | 1.24 | | | | | |
| Methane | 47.13 | -71.08 | -233.6 | | 17 | 11 |
| Ethane | 0.0484 | | | | 0.019 | 0.023 |
| Ethylene | nd | | | | | |
| Propane | nd | | | | <0.0002 | <0.0004 |
| Propylene | nd | | | | | |
| Iso-butane | nd | | | | | |
| N-butane | nd | | | | | |
| Iso-pentane | nd | | | | | |
| N-pentane | nd | | | | | |
| Hexanes + | nd | | | | | |

Remarks:

Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.83

*Addition of helium negates the ability to detect native helium and may negate the ability to detect hydrogen.

Insufficient C2-C5 concentrations for isotopic analysis.

4501799120 Line 240