

Lab #: 962905

Job #: 62089 IS-69033

Sample Name: BW_Bearson_158040

Company: Oxy USA Inc.

Container: IsoFlask

Field/Site Name: BWSE/GWA_Fern_Pad

Location: SWSW_18_2N_66W

Formation/Depth: IN

Sampling Point: 753868

Date Sampled: 03/24/2025 10:28

Date Received: 04/01/2025

Date Reported: 05/13/2025

Component	Chemical mol%	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{18}\text{O}$ ‰	Dissolved gas cc/L	Dissolved gas mg/L
Carbon Monoxide	nd					
Helium	na					
Hydrogen	nd					
Argon	0.837				0.45	0.74
Oxygen	2.89					
Nitrogen	45.39				21	25
Carbon Dioxide	0.25					
Methane	50.56	-71.14	-252.4		27	18
Ethane	0.0737	-47.5			0.043	0.054
Ethylene	nd					
Propane	0.0011				0.00061	0.0011
Propylene	nd					
Iso-butane	nd					
N-butane	0.0004					
Iso-pentane	nd					
N-pentane	nd					
Hexanes +	0.0012					

Remarks:

Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.63

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

Insufficient propane, butane, and pentane concentrations for isotopic analysis.

Ethane carbon isotope data obtained online via GC-C-IRMS.