

26207 (2,4) September 30, 2022

QUALITY CONTROL DATA

Samples Received: September 16, 2022**Requested By:** University of Utah
FORGE

<u>Analyte</u>	<u>Precision (%RSD)</u>	<u>External Standard (% Recovery)</u>	<u>Sample Spike (% Recovery)</u>
Carbon Dioxide	0.6	98.9	105.5
Hydrogen Sulfide	NA	98.6	NA
Ammonia	0.0	100.1	113.7
Nitrogen	0.1	100.2	NA
Methane	0.0	98.9	NA
Hydrogen	1.8	100.1	NA

Precision: Percent Relative Standard Deviation of replicate sample analyses.**External Standard:** Percent Recovery of an independent audit standard analyzed against calibration standards (measured/known x 100).**Sample Spike:** Percent Recovery of a known quantity of standard added to sample (measured/theoretical x 100).**N/A:** Not Applicable.

Steven Swasey, Ph.D.
Lab Manager**Distribution:**

26207 (2,4) September 30, 2022

Descriptor: 16A(78)-32 Dry gas

Lab Number: 26207-2

Percent Air ¹ in Sample:	7.46E+01
STP mls of Air ¹ in Sample:	6.90E+00
Total Weight of Sample (grams):	0.1
Initial Headspace Pressure (psia @ 0 °C):	7.79E-02

Gas	Dry Gas % by Volume
Carbon Dioxide	6.80E+01
Hydrogen Sulfide	2.63E+01
Ammonia	<3.51E-01
Argon	<1.55E-01
Nitrogen	5.71E+00
Methane	<2.08E+00
Hydrogen	<4.42E+00

1. Air content based on oxygen determination

26207 (2,4) September 30, 2022

Descriptor: 78B-32 Dry gas

Lab Number: 26207-4

Percent Air ¹ in Sample:	4.22E+01
STP mls of Air ¹ in Sample:	3.65E+02
Total Weight of Sample (grams):	1
Initial Headspace Pressure (psia @ 0 °C):	9.29E+00

Gas	Dry Gas % by Volume
Carbon Dioxide	2.79E+00
Hydrogen Sulfide	1.08E-01
Ammonia	<1.70E-03
Argon	1.02E+00
Nitrogen	9.46E+01
Methane	1.46E+00
Hydrogen	6.53E-02

1. Air content based on oxygen determination