

Lab #: 961011

Job #: 61903

Sample Name: SVP-01

Company: Quandary Consultants

Container: IsoTube

Field/Site Name: Strear Sidney GU 1

Location: Wellhead

Date Sampled: 03/17/2025 13:21

Date Received: 03/26/2025

Date Reported: 05/02/2025

Component	Chemical mol%	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{18}\text{O}$ ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide	nd				
Helium	nd				
Hydrogen	nd				
Argon	0.969				
Oxygen	11.11				
Nitrogen	81.03				
Carbon Dioxide	6.45	-33.80			
Methane	0.241				
Ethane	0.0587				
Ethylene	nd				
Propane	0.0744				
Propylene	nd				
Iso-butane	0.0267				
N-butane	0.0208				
Iso-pentane	0.0103				
N-pentane	0.0041				
Hexanes +	0.0109				

Total BTU/cu.ft. dry @ 60° F & 14.73psia, calculated: 8

Specific gravity, calculated: 1.022

Remarks:

Lab #: 961012

Job #: 61903

Sample Name: SVP-02

Company: Quandary Consultants

Container: IsoTube

Field/Site Name: Strear Sidney GU 1

Location: Wellhead

Date Sampled: 03/17/2025 13:23

Date Received: 03/26/2025

Date Reported: 05/02/2025

Component	Chemical mol%	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{18}\text{O}$ ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide	nd				
Helium	nd				
Hydrogen	nd				
Argon	0.978				
Oxygen	13.88				
Nitrogen	81.89				
Carbon Dioxide	3.25	-32.74			
Methane	nd				
Ethane	nd				
Ethylene	nd				
Propane	nd				
Propylene	nd				
Iso-butane	nd				
N-butane	nd				
Iso-pentane	nd				
N-pentane	nd				
Hexanes +	0.0009				

Total BTU/cu.ft. dry @ 60° F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.008

Remarks:

Lab #: 961013

Job #: 61903

Sample Name: SVP-03

Company: Quandary Consultants

Container: IsoTube

Field/Site Name: Strear Sidney GU 1

Location: Wellhead

Date Sampled: 03/17/2025 13:25

Date Received: 03/26/2025

Date Reported: 05/02/2025

Component	Chemical mol%	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{18}\text{O}$ ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide	nd				
Helium	nd				
Hydrogen	nd				
Argon	0.934				
Oxygen	20.78				
Nitrogen	78.07				
Carbon Dioxide	0.21	-15.7			
Methane	nd				
Ethane	nd				
Ethylene	nd				
Propane	nd				
Propylene	nd				
Iso-butane	nd				
N-butane	nd				
Iso-pentane	nd				
N-pentane	nd				
Hexanes +	nd				

Total BTU/cu.ft. dry @ 60° F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.001

Remarks:

CO2 carbon isotope data obtained online via GC-C-IRMS.

Lab #: 961014

Job #: 61903

Sample Name: SVP-04

Company: Quandary Consultants

Container: IsoTube

Field/Site Name: Strear Sidney GU 1

Location: Wellhead

Date Sampled: 03/17/2025 13:27

Date Received: 03/26/2025

Date Reported: 05/02/2025

Component	Chemical mol%	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{18}\text{O}$ ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide	nd				
Helium	nd				
Hydrogen	nd				
Argon	0.939				
Oxygen	19.72				
Nitrogen	78.53				
Carbon Dioxide	0.81	-29.86			
Methane	nd				
Ethane	nd				
Ethylene	nd				
Propane	nd				
Propylene	nd				
Iso-butane	nd				
N-butane	nd				
Iso-pentane	nd				
N-pentane	nd				
Hexanes +	nd				

Total BTU/cu.ft. dry @ 60° F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.003

Remarks:

Lab #: 961015

Job #: 61903

Sample Name: SVP-05

Company: Quandary Consultants

Container: IsoTube

Field/Site Name: Strear Sidney GU 1

Location: Wellhead

Date Sampled: 03/17/2025 13:29

Date Received: 03/26/2025

Date Reported: 05/02/2025

Component	Chemical mol%	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{18}\text{O}$ ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide	nd				
Helium	nd				
Hydrogen	nd				
Argon	0.870				
Oxygen	2.54				
Nitrogen	72.99				
Carbon Dioxide	11.96	-35.56			
Methane	5.78	-31.65	-172.8		
Ethane	1.46	-26.28			
Ethylene	nd				
Propane	2.35	-27.05			
Propylene	0.0019				
Iso-butane	0.519	-29.79			
N-butane	0.810	-26.97			
Iso-pentane	0.256	-27.12			
N-pentane	0.207	-26.23			
Hexanes +	0.258				

Total BTU/cu.ft. dry @ 60° F & 14.73psia, calculated: 218

Specific gravity, calculated: 1.057

Remarks: