



Certificate of Analysis
 Number: 2500-22030158-001A

Greeley Laboratory
 2881 S. 31st Ave
 Unit 6-8
 Greeley, CO 80631

Jeff Braden
 WSP USA
 4600 W 60th Ave
 Arvada, CO 80003

Mar. 28, 2022

Station Name: SEGL 18-24
 Sample Conditions:

Sampled By: Jeff Braden
 Sample Of: Liquid Composite
 Sample Date: 03/21/2022 14:00

Analytical Data

Test	Method	Result	Units	Detection Limit	Lab Tech.	Analysis Date
Total Sediment and Water	ASTM D-4007	0.00	vol%		SO	03/24/2022
Sulfur Content by X-ray	ASTM D-4294	0.010	wt%		SO	03/24/2022
Viscosity - Kinematic @ 104°F	ASTM D-445	1.823	cSt		AC	03/28/2022
Viscosity - Kinematic @ 104°F	ASTM D-445	32.0	SUS		AC	03/28/2022
API Gravity @ 60° F	ASTM D-5002	53.39	°		SO	03/22/2012
Specific Gravity @ 60/60° F	ASTM D-5002	0.7653	—		SO	03/22/2012
Density @ 60° F	ASTM D-5002	0.7646	g/ml		SO	03/22/2012
VP of Crude Oil: V/L = 4:1 @ 100 °F	ASTM D-6377	5.65	psi		SO	03/22/2022
RVPE (D323 Equivalent) @ 100 °F	ASTM D-6377	4.72	psi		SO	03/22/2022
Initial Boiling Point	ASTM D-86-IBP	101.3	°F		AC	03/28/2022
Pour Point	ASTM D-97	-34	°C		SO	03/25/2022

Ryleigh Jacobs

Data reviewed by: Ryleigh Jacobs, Laboratory Analyst
 Methods: ASTM D-4007, ASTM D-4294, ASTM D-5002, ASTM D-6377, ASTM D-97

Matthew Loveley

Data reviewed by: Matthew Loveley, Laboratory Manager
 Methods: ASTM D-445, ASTM D-86-IBP

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.