

Effective January 1, 2025

Description	
GAS PHASE	GC / TCD
GPA 2261 / ASTM 1945	C6+ Fractional Regular C6+ Fractional + Oxygen C6+ Fractional + Helium and Hydrogen C6+ Fractional + Oxygen + Helium and Hydrogen Designated non-viable after injection
GC / FID EXTENDED	
TCD - GPA 2261 / FID - GPA 2286	Gas Phase Extended Analysis C12+ Gas Phase Extended C12+ with Calculated Hyd. Dew Pt. Gas Phase Extended C12+ with Custom Formatting Gas Phase Extended C9+ (BLM requirements)
LIQUID PHASE	GC / TCD
GPA 2177	Natural Gas Liquid C6+ Fractional Natural Gas Liquid / Light Condensate C7+ Fractional
GPA 2103	Condensate / Crude C7+ Fractional
GC / FID EXTENDED	
<u>Y-Grade Extended</u>	Natural Gas Liquid Extended through C12+
TCD (C6+) - GPA 2177 / FID - GPA 2186	NGL Extended through C12+ with Custom Formatting NGL Extended C12+ with properties of C10 NGL Extended C12+ with prop. C10 & Cust. Format
<u>Light Condensate Extended</u>	Condensate Extended through C12+
TCD (C7+) - GPA 2177 / FID - GPA 2186	Condensate Extended through C12+ w/Custom Formatting Condensate Extended through C12+ w/properties of C10 Condensate Ext. C12+ with prop. C10 & Cust. Format
<u>Condensate / Crude Oil Extended</u>	Condensate Extended through C10+
TCD - GPA 2103 / FID - GPA 2186	Condensate Extended through C10+ w/Custom Formatting Designated non-viable after injection
GC/FID Methanol	
ASTM D7423-M	Gas phase / NGL / Condensate
GC / SULFUR CHEMILUMINESCENCE DETECTION	
ASTM D5504-M	Gas Phase Sulfur Speciation Natural Gas Liquid Phase Sulfur Speciation Condensate Phase Sulfur Speciation Produced Water Sulfur Speciation Oil Phase Sulfur Speciation
* Rush turnaround for SCD results is 72 hours or less	
SINGLE STAGE FLASH STUDY	
TCD - GPA 2103 / FID - GPA 2186	Pressurized Condensate Extended through C10+
TCD - GPA 2103 / FID - GPA 2186	Stock Tank (Atmospheric) Extended through C10+
TCD - GPA 2261 / FID - GPA 2286	Flash Gas Extended through C12+ Single Stage Gas Liberation with Gas to Oil Ratio
* Rush turnaround for Flash Study is 72 hours or less	
RECOMBINATION	Reclassification Recombination of Gas and Liquid

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Description

ASTM / Other Liquid Phase Analysis

ASTM D1298 API Gravity
 ASTM D4007 Sediment & Water
 Color - Saybolt, Gardner, Visual
 ASTM D1838 Copper Strip
 ASTM D86 Distillation
 ASTM D56 Flash Point
 ASTM D2420 Hydrogen Sulfide Lead Acetate Method
 ASTM D4294 Sulfur Content X-Ray Fluorescence
 METALS - ASTM D8252 Vanadium & Nickel + XRF Iron
 ASTM D4294 XRF Sulfur + METALS
 ASTM D323 Reid Vapor Pressure
 ASTM D6377 Vapor Pressure of Crude Oil - RVPE
 ASTM D5191 MiniVap Vapor Pressure - DVPE
 ASTM D4929-M Organic Chlorides in Oil
 API 2517 - True Vapor Pressure (Calculated) - TVP
 Karl Fischer Titration - Aqueous
 Karl Fischer Titration - Non Aqueous
 ASTM D4952 Doctor Test
 ASTM D4952 Doctor Test Kit w/1L Solution & Instructions
 ASTM D4952 Doctor Test Solution (1 Liter - 1000 mL)

AFTER HOURS LAB PERSONNEL Holiday / Weekend / After Hours Lab Personnel per hour

DATA PROCESSING / CLERICAL Holiday / Weekend / After Hours Data Processing per hr.
 Retrieval and reproduction of archived results per hour

FIELD TECHNICIAN Charge per Hour - 8:00 a.m. to 5:00 p.m. per hour
 Holiday / Weekend / After Hours Field Technician per hour
 Field Miles / per mile
 H2S testing requiring breathing apparatus - 2 technicians*
 * This is in addition to mileage and hourly rates.

FIELD TESTING Field Stain Tube Test
 H2S Tutwiler Field Test
 Portable Oxygen Analyzer - Field Test

THERE IS NO ADDITIONAL CHARGE FOR SAMPLE DISPOSAL OR CYLINDER EVACUATION