

**GAS QUALITY ANALYTICAL AND CALCULATION METHODS AND PROCEDURES  
DOCUMENTS AND STANDARDS**

<b>Procedure/Method</b>	<b>Related Industry Standard</b>
Spot or Composite Sample	API 14.1, GPA 2166
Online Gas Chromatograph	API 14.1, GPA 2145, GPA 2261
Lab Chromatograph	GPA 2172, GPA 2145, GPA 2261, GPA 2198, GPA 2286
GPM Calculation	GPA 2145
Heating Value Calculation	API 14.1, GPA 2145, GPA 2172, AGA 5, AGA 8
H <sub>2</sub> S	ASTM 4810; Length of Stain Tube Method; Equipment Manufacturer's Recommended Practice
Total Sulfur	ASTM D 3246; Equipment Manufacturer's Recommended Practice
H <sub>2</sub> O	Length of Stain Tube Method; GPA 2145; Equipment Manufacturer's Recommended Practice
HDP Calculation	Soave Redlich Kwong or Peng Robinson Equation of State
HDP Measurement	Bureau of Mines Chilled Mirror Apparatus

Effective November 1, 2013