

## Gas Quality Analytical and Calculation Methods and Procedures

Procedure / Method	Related Industry Standard
Spot or Composite Sample	API 14.1, GPA 2166
Online 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
C <sub>6</sub> <sup>+</sup> Split for BTU Calculations C <sub>6</sub> , C <sub>7</sub> , C <sub>8</sub>	40.00%, 40.00%, 20.00%
H <sub>2</sub> S	ASTM D 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 Method	Soave Redlich Kwong or Peng Robinson
HDP Measurement Method	Bureau of Mines Chilled Mirror Apparatus

**Effective October 1, 2012**