

## **GAS SAMPLING & PHYSICAL CONSTANTS STANDARD DOCUMENTS USED**

1. A.G.A. Report No. 8, "Compressibility Factors of Natural Gas and Other Related Hydrocarbon Gases", Second Edition, revised in August 1994 [compressibility in all volume calculations, included by reference in AGA 3, 7, 9]
2. GPA Standard 2145-09, "Table of Physical Constants for Hydrocarbons and Other Compounds of Interest to the Natural Gas Industry", revised in 2009 [constants for calculation of heating value and specific gravity, all meters]
3. GPA Standard 2166-05, "Obtaining Natural Gas Samples for Analysis by Gas Chromatography", revised in 2005
4. GPA Standard 2172-09, "Calculation of Gross Heating Value, Relative Density and Compressibility Factor for Natural Gas Mixtures from Compositional Analysis", revised in 2009 [Calculation of Heating Value and Relative Density (Specific Gravity) for all meters]
5. GPA Standard 2261-00, "Analysis for Natural Gas and Similar Gaseous Mixtures by Gas Chromatography", revised in 2000.
6. API 14.1, "Collecting and Handling of Natural Gas Samples for Custody Transfer", Sixth Edition, revised in February 2006.