



**GAW World Calibration Centre (WCC) for Methane  
and  
Quality Assurance/Science Activity Centre (QA/SAC)  
in Asia and the South-West Pacific**



**Methane Reference Gas Intercomparison for Asia from 2008 to 2009  
Technical Details on Laboratory Measurements**

**Korea Research Institute of Standards and Science (KRISS)**

*1. Information on contributors*

- (1) Contributors: Dr. Jeongsoon Lee
- (2) Organization: Korea Research Institute of Standards and Science, Republic of Korea

*2. Information on instrument*

- (1) Analytical method: Gas Chromatography (FID)
- (2) Manufacturer: HP
- (3) Model: HP6890

*3. Information on sampling*

- (1) Sampling volume: 2 ml
- (2) Carrier gas: Helium
- (3) Flow rate: 100 ml/min
- (4) Temperature of the oven: 35°C

*4. Information on the main column*

- (1) Diameter: 1/8" O.D.
- (2) Length: 12 feet
- (3) Material: SS

*5. Information on column packings*

- (1) Trade name: Restek packed Porapak Q
- (2) Mesh: 80/100

*6. Information on standard gas*

- (1) Number of standard gases: 2
- (2) Concentration of standard gases: 1595.2, 1839.1 ppb
- (3) Scale: KRISS Scale

*7. Other information (references, papers, literatures, etc.)*