



**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 2005 to 2006  
Technical Details on Laboratory Measurements**

**Korea Meteorological Administration (KMA)**

*1. Instrument*

- (1) Analytical method: Gas Chromatography (FID)
- (2) Manufacturer: Agilent Technologies
- (3) Model: Agilent 6890 Series N

*2. Sampling*

- (1) Sampling volume: 1 ml
- (2) Carrier gas: Nitrogen
- (3) Flow rate: 20 ml/min
- (4) Temperature of the oven: 30 °C

*3. Main column*

- (1) Diameter: 1/8 inch
- (2) Length: 6ft
- (3) Material: activated alumina

*4. Column packings*

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

*5. Standard gas*

- (1) Number of standard gases: 1
- (2) Concentration of standard gases: 1845ppb
- (3) Scale: KRISS Scale

*6. References*