



**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 2011 to 2012  
Technical Details on Laboratory Measurements**

**Korea Meteorological Administration (KMA)**

*1. Information on contributors*

- (1) Contributors: Jegyu Yu, Sang-Hoon Kim
- (2) Organization: Korea Meteorological Administration, Republic of Korea (KMA)

*2. Information on instrument*

- (1) Analytical method: Gas Chromatography (FID)
- (2) Manufacturer: Agilent Technologies
- (3) Model: G1530A

*3. Information on sampling*

- (1) Sampling volume: 2 ml
- (2) Carrier gas: N<sub>2</sub>
- (3) Flow rate: 30 ml/min
- (4) Temperature of the oven: 40 C

*4. Information on the main column*

- (1) Diameter: 1/8" O.D.
- (2) Length: 6 feet
- (3) Material: activated alumina

*5. Information on column packings*

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

*6. Information on standard gas*

- (1) Number of standard gases: 1
- (2) Concentration of standard gases: 1803.1(±0.5) ppb
- (3) Scale: NOAA04 Scale