



**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 Research Institute of Standards and Science (KRISS)

1. Instrument

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

2. Sampling

- (1) Sampling volume: 2ml
- (2) Carrier gas: Helium
- (3) Flow rate: 28 ml/min
- (4) Temperature of the oven: 35°C

3. Main column

- (1) Diameter: 1/8"
- (2) Length: 12ft
- (3) Material: activated alumina

4. Column packings

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

5. Standard gas

- (1) Number of standard gases: 2
- (2) Concentration of standard gases: 1827.0, 1805.7 ppb
- (3) Scale: KRISS Scale

6. References