



**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**

China Meteorological Administration (CMA)

1. Information on contributors

- (1) Contributors: Dr. Zhou Lingxi
- (2) Organization: China Meteorological Administration, China

2. Information on instrument

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

3. Information on sampling

- (1) Sampling volume: 10 ml
- (2) Carrier gas: N₂
- (3) Flow rate: 70 ml/min
- (4) Temperature of the oven: 75°C

4. Information on the main column

- (1) Diameter: 1/8 inch
- (2) Length: 3 feet
- (3) Material: stainless steel

Note: also a 4 feet pre-column of molecular sieve 5A 60-80 mesh

5. Information on column packings

- (1) Trade name: Unibeads 1S
- (2) Mesh: 60-80

6. Information on standard gas

- (1) Number of standard gases: 2
- (2) Concentration of standard gases: 1760.2, 1687.9 ppb
- (3) Scale: NOAA 2004

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