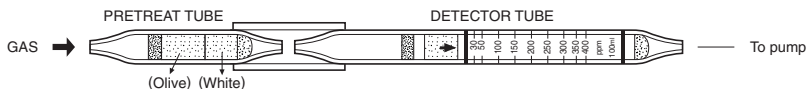


METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE)



1. PERFORMANCE

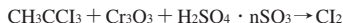
- 1) Measuring range : 30-400 ppm 15-30 ppm
- Number of pump strokes : 1 (100mℓ) 2 (200mℓ)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 10 ppm (200mℓ)
- 4) Shelf life : 3 years (Necessary to store in refrigerated conditions ; 0 ~ 10 °C)
- 5) Operating temperature : 0 ~ 40 °C
- 6) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 7) Colour change : White → Yellow orange

2. RELATIVE STANDARD DEVIATION

RSD-low : 15% RSD-mid. : 10% RSD-high : 10%

3. CHEMICAL REACTION

Chlorine is produced by an Oxidizer. By reacting between this Chlorine and *o*-Toluidine, Orthoquinone is produced.



4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Halogens	Similar stain is produced.	Higher readings are given.
Halogenated hydrocarbons FIG.1,2	∕	∕

(NOTE)

When the concentration is below 30 ppm, 2 pump strokes can be used to determine the lower concentration.

Following formula is available for the actual concentration.

Actual concentration = $1/2 \times$ Reading value

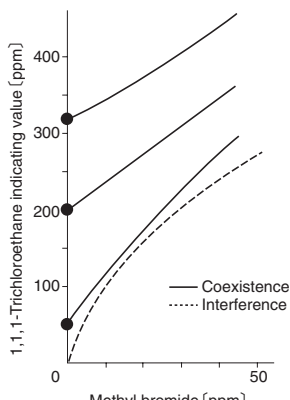


FIG.1 Influence of Methyl bromide

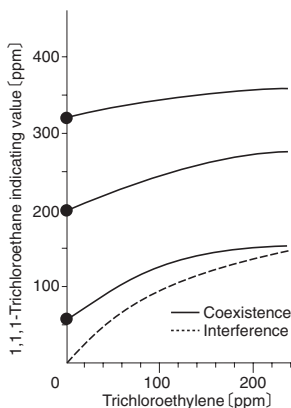


FIG.2 Influence of Trichloroethylene