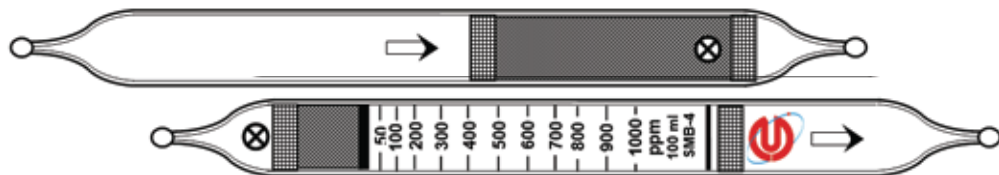


Methyl Bromide

CH₃Br

SMB-4

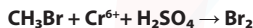


Specification :

	Extended	Standard	Extended
Measurement Range	25 – 50 ppm	50 – 1000 ppm	1000 – 2000 ppm
No. of Pump Strokes	2 (200 ml)	1 (100 ml)	0.5 (50 ml)
Volume Correction Factor (VCF)*	0.5	1.0	2.0
Sampling Time	2.5 minutes per pump stroke (100 ml)		
Color Change	White → Brown		
Detection Limit	10 ppm (2 pump strokes)		
Shelf Life	2 years		
Relative standard deviation	± 10 – 15 %		

* Multiply the observed reading by the correction factor (VCF) to obtain the true concentration.

Reaction Principle :



Br + o - Tolidine → Brown reaction product

Possible Interferences :

Compound	Concentration (ppm)	Interference	Color Change / Comments
Halogens		+	Brown
Tetrachloroethylene		+	Brown
Trichloroethylene		+	Brown
1,2-dichloroethane	≤200	No	No Effect
1,1,1-trichloroethane	≤50	No	No Effect

Correction For Environmental Parameters :

Temperature	Not necessary between 0 - 40°C (32 - 104°F).
Relative humidity	Not necessary between 10 - 90 %.

Calibration Of The Tube :

Static gas dilution method.