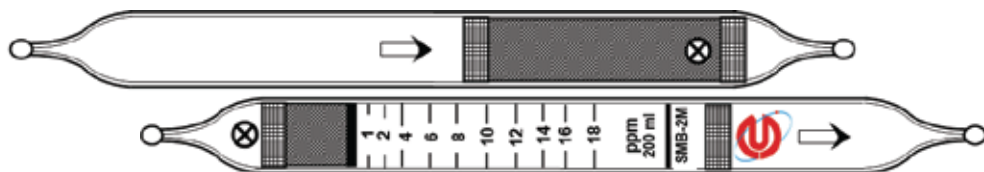


Methyl Bromide



SMB-2M

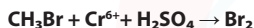


Specification :

	Extended	Standard	Extended	Extended
Measurement Range	0.5-1 ppm	1-18 ppm	18-36 ppm	36-80 ppm
No. of Pump Strokes	3 (300 ml)	2 (200 ml)	1 (100 ml)	0.5 (50 ml)
Volume Correction Factor (VCF)*	0.5	1.0	2.0	4.5
Sampling Time	2.5 minutes per pump stroke (100 ml)			
Color Change	White → Yellow			
Detection Limit	0.2 ppm (3 pump strokes)			
Shelf Life	1 year			
Relative standard deviation	± 10 – 15 %			

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

Reaction Principle :



Br + o - Tolidine → Yellow reaction product

Possible Interferences :

Compound	Concentration (ppm)	Interference	Color Change / Comments
Halogens		+	Yellow
Tetrachloroethylene		+	Yellow
Trichloroethylene		+	Yellow
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.