How to read this chart

Methyl bromide CH_3Br NO.136L

Performance

Measuring Range	2.5 to 10 ppm	10 to 100 ppm	100 to 200 ppm
Number of Pump Strokes	4	1	1/2
Correction Factor	1/4	1	2
Sampling Time	3 minutes per pump stroke		
Detecting Limit	0.5 ppm (n=4)		
Color Change	White → Yellow		
Reaction Principle	Methyl bromide produce intermediate product by oxidizing agent and produce yellow stain by reaction with detecting agent.		
Coefficient of Variation	10% (for 10 to 20 ppm), 5% (for 20 to 100 ppm)		
Shelf Life	2 Years		
Corrections for temperature & humidity	Unnecessary		
Store the tubes at cool and dark place.			

Possible coexisting substances and their interferences (NOTE)

Substance	Concentration	Interference	Change color by itself
Chlorine, Bromine, NOx	-	Plus error	Produce yellow stain
Saturated halogenated hydrocarbons	-	Plus error	Produce yellow stain

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
Chlorobromomethane	0.9	1	9 to 90 ppm
1,1-Dibromoethane	0.7	1	7 to 70 ppm
1,2-Dibromoethane	0.8	1	8 to 80 ppm
Dibromomethane	0.5	1	5 to 50 ppm
Ethyl Bromide	1.0	1/2, 1, 4	2.5 to 200 ppm
n-Butyl Bromide	1.0	1	1 to 100 ppm

Benzyl bromide

Tube 136L Reading (n=1)	10	20	40	60	80	100
Benzyl Bromide Conc. (ppm)	25	75	180	350	580	850

Bromform

Tube 136L Reading (n=1)	10	20	40	60	80	100
Bromform Conc. (ppm)	1	4	12	24	37	50

Calibration gas generation Permeation tube method

TLV-TWA	TLV-STEL	Explosive range
1ppm	-	10 to 15%

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