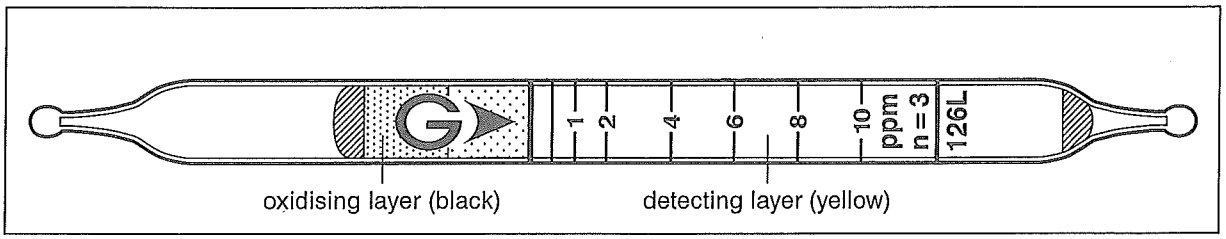
Chlorobenzene C_6H_5Cl No.126L



Performance

Measuring range	(0.5) to 10 ppm	10 to 43 ppm
Number of pump strokes	3 (300 ml)	1 (100 ml)
Correction factor	1	4.3
Sampling time	4.5 min	1.5 min

Detecting limit : 0.2 ppm (3 pump strokes)
Colour change : Yellow → Pale purple
Corrections for temperature & humidity : Temperature correction is necessary.
Relative standard deviation : 10 % (for 0.5 to 2 ppm), 5 % (2 to 10 ppm)
Shelf life : 2 years (in the refrigerator)

Reaction principle

$C_6H_5Cl + PbO_2 + H_2SO_4 \rightarrow HCl$
$HCl + Base \rightarrow Chloride$

Possible coexisting substances and their interferences (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Chlorine, Hydrogen chloride		+	Pale purple
Tetrachloroethylene		+	
Trichloroethylene		+	

Calibration gas generation

Diffusion tube method

TLV-TWA : 10 ppm
Explosive range : 1.3 to 9.6 %