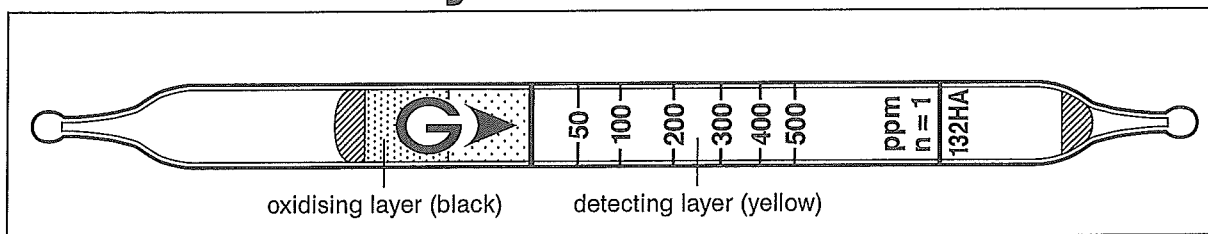


# Trichloroethylene $\text{Cl}_2\text{C}:\text{CHCl}$ No.132HA

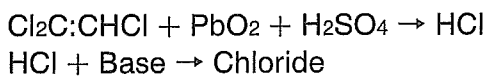


## Performance

Measuring range	20 to 50 ppm	50 to 500 ppm	500 to 1300 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	0.4	1	2.6
Sampling time	1.5 min	45 sec	30 sec

Detecting limit : 4 ppm (2 pump strokes)  
 Colour change : Yellow → Reddish purple  
 Corrections for temperature & humidity : Temperature correction is necessary.  
 Relative standard deviation : 10 % (for 50 to 100 ppm), 5 % (for 100 to 500 ppm)  
 Shelf life : 2 years (in the refrigerator)

## Reaction principle



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

Substance	Concentration	Interference	Changes colour by itself to
Bromine, Chlorine		+	} Reddish purple
Hydrogen chloride		+	
Unsaturated halogenated hydrocarbons		+	
Acetone	$\leq 200$ ppm	No	} No
Aromatic hydrocarbons	$\geq 100$ ppm	-	
Nitric oxide		No	
Nitrogen oxides		No	
1,1,1-Trichloroethane			Reddish purple ( $\geq 3000$ ppm)

## Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
1,2-Dichloroethylene	Factor : 1.6	1	80 to 800 ppm
1,3-Dichloropropene	Factor : 0.9	2	45 to 450 ppm

## Calibration gas generation

Diffusion tube method

TLV-TWA : 10 ppm

TLV-STEL : 25 ppm