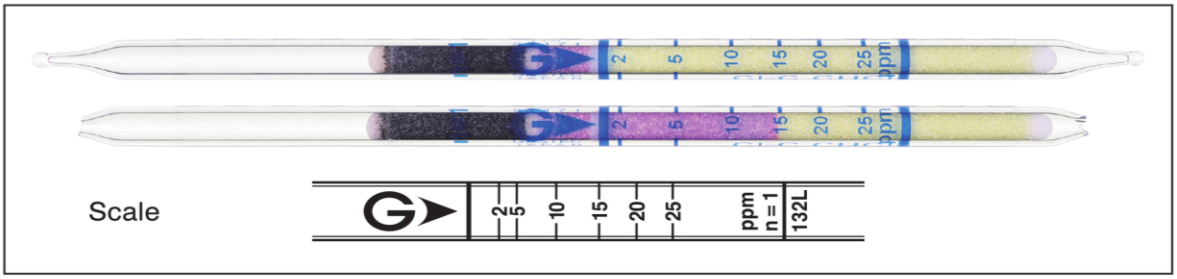
wiserise marine

Trichloroethylene Cl2C:CHCl

Part No.: 132L

Trichloroethylene $Cl_2C:CHCl$ No.132L



Performance

Measuring range	0.8 to 2 ppm	2 to 25 ppm	25 to 90 ppm
Number of pump strokes	2 (200 mL)	1 (100 mL)	1/2 (50 mL)
Correction factor	0.4	1	3.6
Sampling time	1.5 min	45 sec	30 sec

Detecting limit : 0.4 ppm (2 pump strokes)
Colour change : Yellow → Purple
Operating conditions : Temperature 0 to 40 °C (32 to 104 °F) correction used
Relative humidity 0 to 90 % correction not used
Relative standard deviation : 10 % (for 2 to 5 ppm), 5 % (for 5 to 25 ppm)
Tube quantity and number of tests per box : 10 tubes for 10 tests
Shelf life : 30 months (in the refrigerator)

Reaction principle

$Cl_2C:CHCl + PbO_2 + H_2SO_4 \rightarrow HCl$
$HCl + Base \rightarrow Chloride$

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Bromine, Chlorine		+	Purple
Hydrogen chloride		+	
Unsaturated halogenated hydrocarbons		+	
Acetone	≦ 200 ppm	No	No
Aromatic hydrocarbons	≧ 100 ppm	−	
Nitric oxide		No	
Nitrogen dioxide		No	

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Benzyl chloride	Factor : 0.8	2	1.6 to 20 ppm

Calibration gas generation

Diffusion tube method

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