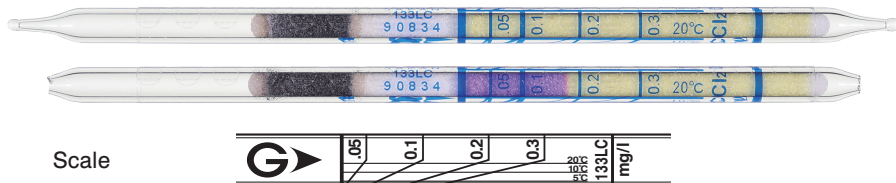


Head space
method

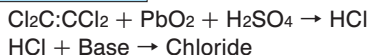
Tetrachloroethylene $\text{Cl}_2\text{C}:\text{CCl}_2$ No.133LC



Performance

Measuring range	0.05 to 0.3 mg/L
Number of pump strokes	1 (100 mL)
Correction factor	1
Sampling time	45 sec
Detecting limit :	0.01 mg/L (1 pump stroke)
Colour change :	Yellow → Bluish purple
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction used Water temperature 0 to 30 °C (32 to 86 °F) correction used
Relative standard deviation :	10 %(for 0.05 to 0.1 mg/L), 5 %(for 0.1 to 0.3 mg/L)
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	30 months (in the refrigerator)

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
1,1,1-Trichloroethane	≤ 100 ppm	No	No
1,2-Dichloroethylene		+	Bluish purple
Trichloroethylene		+	Bluish purple
Toluene, Xylene		No	No
Hydrogen chloride, Chlorine	$\geq 1/2$	+	Bluish purple

Calibration gas generation

Diffusion tube method