

1,1,1-Trichloroethane CH_3CCl_3 NO. **135L****Performance**

Measuring Range	6 to 20 ppm	20 to 200 ppm	200 to 900 ppm
Number of Pump Stroke	2	1	1/2
Correction Factor	0.3	1	4.5
Sampling Time	3 minutes per pump stroke		
Detecting Limit	3 ppm (n=2)		
Color Change	White → Pale Pink		
Reaction Formula	Methyl chloroform reacts with oxidizing agent to produce intermediate products then it reacts with detecting agent to produce pale pink stain.		
Coefficient of Variation	10% (for 20 to 60 ppm), 5% (for 60 to 200 ppm)		
Shelf Life	2 Years		
Corrections for temperature & humidity	Temperature correction is necessary		
Store the tubes at cool and dark place.			

Possible coexisting substances and their interferences (NOTE)

Substance	Concentration	Interference	Change color by itself
Halogens	-	Plus error	Discolor pale pink stain
Nitrogen oxides	-	Plus error	Discolor pale pink stain
Saturated halogenated hydrocarbons	-	Plus error	Discolor pale pink stain

Other substance measurable with this detector tube

Substance	Correction Factor:	No. of pump strokes	Measuring range
1,2-Dichloroethane	5.2	1	104 to 1040 ppm
1,1,2,2-Tetrabromoethane	0.046	4	0.92 to 9.2 ppm
1,2,3-Trichloropropane	1.8	4	36 to 360 ppm

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
350ppm	450ppm	-



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Nextteq LLC – 8406 Benjamin Rd., Suite J, Tampa FL 33634, USA

Phone (toll free): 877-312-2333 Fax (toll free) 877-312-2444

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