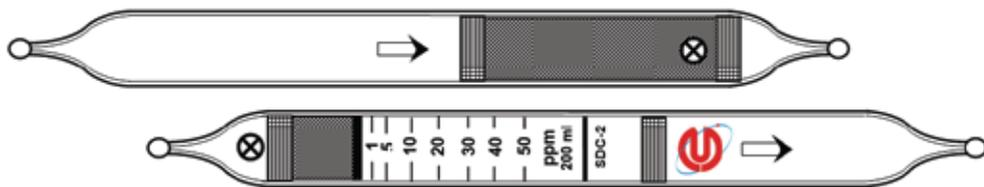


# 1,2-Dichloroethane

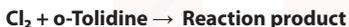
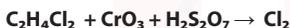
**SDC-2**

## Specification :

Measurement Range	Extended	Standard	Extended
	Do not extend	1 – 50 ppm	Do not extend
No. of Pump Strokes		2 (200 ml)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	2.5 minutes per pump stroke (100 ml)		
Color Change	White → Orange / Yellow		
Detection Limit	0.5 ppm (2 pump strokes)		
Shelf Life	1 year		
Relative standard deviation	± 10 – 15 %		

\* Multiply the observed reading by the correction factor (VCF) to obtain the true concentration.

## Reaction Principle :



## Possible Interferences :

Compound	Concentration (ppm)	Interference	Color Change / Comments
Nitrogen oxides		+	Orange / Yellow
Halogens		+	Orange / Yellow
Halogenated hydrocarbons		+	Orange / Yellow
Hexane	≤100	No	No Effect
Cyclohexane	≤50	No	No effect

## Correction For Environmental Parameters :

Temperature	Not necessary between 0 - 40°C (32 - 104°F).
Relative humidity	Not necessary between 10 - 90 %.

## Calibration Of The Tube :

Static gas dilution method.

TLV (TWA): 10 ppm

TLV (STEL): ---

Flammable Range: 6.2 – 16.0 %