

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Vinyl Chloride $\text{CH}_2=\text{CHCl}$ SVC-2M

TWA (TLV): 1 ppm

STEL (TLV): NA

Flammable Range: 3.6 - 23%

### Specification:

	Extended	Standard	Extended
Measurement Range	Do not extend	1-20 ppm	Do not extend
No. of Pump Strokes		1 (100 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	2 minutes per pump stroke (100 mL)		
Color Change	White → Yellow		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	$\text{CH}_2=\text{CHCl} + \text{Cr}^{6+} + \text{H}_2\text{SO}_4 \rightarrow \text{Cl}_2$ $\text{Cl}_2 + \text{o-Tolidine} \rightarrow \text{Reaction product}$		
Relative standard deviation	± 10 %		

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

### Possible Interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
Trichloroethylene		+	White to Yellow
Tetrachloroethane		+	White to Yellow

### Correction for Environmental Parameters:

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



**Manufactured By:** Uniphos Envirotronic Pvt. Ltd.  
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