

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Vinyl Chloride



SVC-2M

TLV (TWA): 1 ppm

TLV (STEL):----

Flammable Range: 3.6 - 23%

Specification:

Measurement Range	Extended	Standard	Extended
	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 (Double Tube)	$\text{CH}_2=\text{CHCl} + \text{Cr}^{6+} + \text{H}_2\text{SO}_4 \rightarrow \text{Cl}_2$ $\text{Cl}_2 + \text{o-Tolidine} \rightarrow \text{Reaction product}$		
Relative standard deviation	± 10 – 15 %		

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

Possible Interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
Trichloroethylene		+	Yellow
Tetrachloroethane		+	Yellow
Ethylene	1000	No	No Effect
Benzene	600	No	No Effect

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.
Nahuli (PO), Umbergaon (Tal.)
Valsad (Dist), Gujarat, India – 396108

Rev.0920