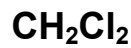


# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Methylene Chloride



## SMC- 4

TWA (TLV): 50 ppm

STEL (TLV): NA

Flammable Range: 15.5 -66.9%

### Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	30 – 1000 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		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	$\text{CH}_2\text{Cl}_2 + \text{Cr}^{6+} + \text{H}_2\text{SO}_4 \rightarrow \text{Cl}_2$ $\text{Cl}_2 + \text{o} - \text{Tolidine} \rightarrow \text{Orange reaction product}$		
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
Chlorine	15	+	White to Yellow
Chlorobenzene	65	+	White to Yellow
n – Hexane	1345	+	White to Pale Yellow
1,2 Dichloroethane	85	+	White to Yellow

### Correction for Environmental Parameters:

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

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