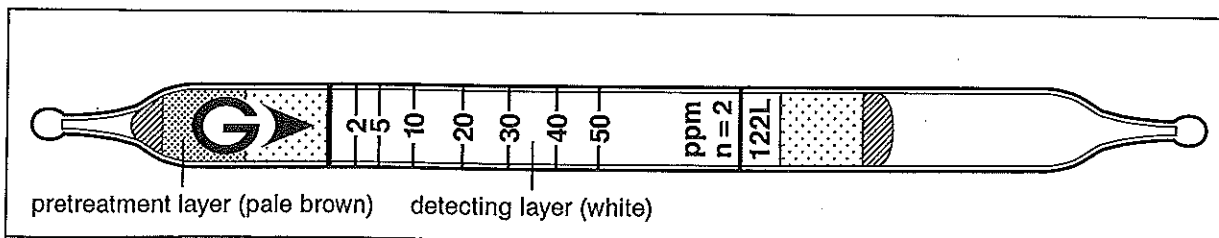


Toluene C₆H₅CH₃

No. 122L

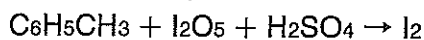


Performance

| | | | |
|------------------------|------------|-------------|---------------|
| Measuring range | 1 to 2 ppm | 2 to 50 ppm | 50 to 100 ppm |
| Number of pump strokes | 4 (400 ml) | 2 (200 ml) | 1 (100 ml) |
| Correction factor | 1/2 | 1 | 2 |
| Sampling time | 6 min | 3 min | 1.5 min |

Detecting limit : 0.5 ppm (4 pump strokes)
 Colour change : White → Brown
 Corrections for temperature & humidity : Unnecessary
 Relative standard deviation : 10 % (for 2 to 10 ppm), 5 % (for 10 to 50 ppm)
 Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences (NOTE : Page 2-5)

| Substance | Concentration | Interference | Changes colour by itself to |
|-----------------------------|---------------|--------------|-----------------------------|
| Aromatic hydrocarbons | | + | Brown |
| Acetylene, Ethylene, Hexane | | No | } No |
| Alcohols, Esters, Ketones | | No | |

Water vapour is trapped in the pretreatment (pale brown) layer.

Other substances measurable with this detector tube

| Substance | Correction | No. of pump strokes | Measuring range |
|-----------------|------------|---------------------|-----------------|
| Cumene | by scale | 2 | 2 to 100 ppm |
| Diethyl benzene | by scale | 4 | 2 to 150 ppm |
| Ethyl benzene | by scale | 2 | 1 to 70 ppm |
| Xylene | Factor : 2 | 1, 2, or 4 | 2 to 200 ppm |

Calibration gas generation

Diffusion tube method