

Separation of DNPH Aldehydes

Method VEV0002J
HPLC RP Mode

Column: Eurospher II 100-3 C18A, 100 x 3 mm ID

Order No. 10CE184E2G

Phase: Eurospher II 100-3 C18A

Conditions: Eluent: A: Water B: Acetonitrile
Gradient: 0 – 4.5 min 40 % - 55 % B
4.5 – 10.1 min 55 % B - 100 % B
10.1 – 11.3 min 100 % B
Flow rate: 0.8 ml/min
Temperature: 40 °C
Volume: 1 µl (20 ng /µl)

Detection: UV, 370 nm (10 mm cell, 5 Hz, 0.2 sec.)

Substances: Acetaldehyde, Acetone, Acrolein, Crotonaldehyde, Formaldehyde, Propionaldehyde

Keywords: DNPH, Aldehydes, VOC's , Air pollutants

Chromatogram:

- 1 Formaldehyde
- 2 Acetaldehyde
- 3 Acetone
- 4 Acroleine
- 5 Propionaldehyde
- 6 Crotonaldehyde

