

Determination of Priority Pollutant Phenols

Method
HPLC

VEV0027J
RP Mode

Column: Eurospher 100-5 C18, 125 x 4.0 mm ID

Order No. 12DE181ESJ

Phase: Eurospher 100-5 C18

Conditions: Eluent: A: MeOH + 1% Acetic acid
B: Water + 1% Acetic acid
Gradient: 0 – 9 min 30% - 40% A
9 – 16 min 40% - 100% A
6 min hold
Flow rate: 1.0 ml/min
Temperature: 40 °C
Volume: 5 µl

Detection: UV at 280 nm

Substances: 2-Chlorophenol, 4-Chloro-3-methylphenol, 2,4-Dichlorophenol, 2,3-Dimethylphenol, 2,4-Dinitrophenol, 2-Methyl-4,6-dinitrophenol, 2-Nitrophenol, 4-Nitrophenol, Pentachlorophenol, Phenol, 2,4,6-Trichlorophenol

Keywords: Phenols, Pollutants

Chromatogram:

1. Phenol
2. 4-Nitrophenol
3. 2,4-Dinitrophenol
4. 2-Chlorophenol
5. 2-Nitrophenol
6. 2,3-Dimethylphenol
7. 2-Methyl-4,6-dinitrophenol
8. 4-Chloro-3-methylphenol
9. 2,4-Dichlorophenol
10. 2,4,6-Trichlorophenol
11. Pentachlorophenol

