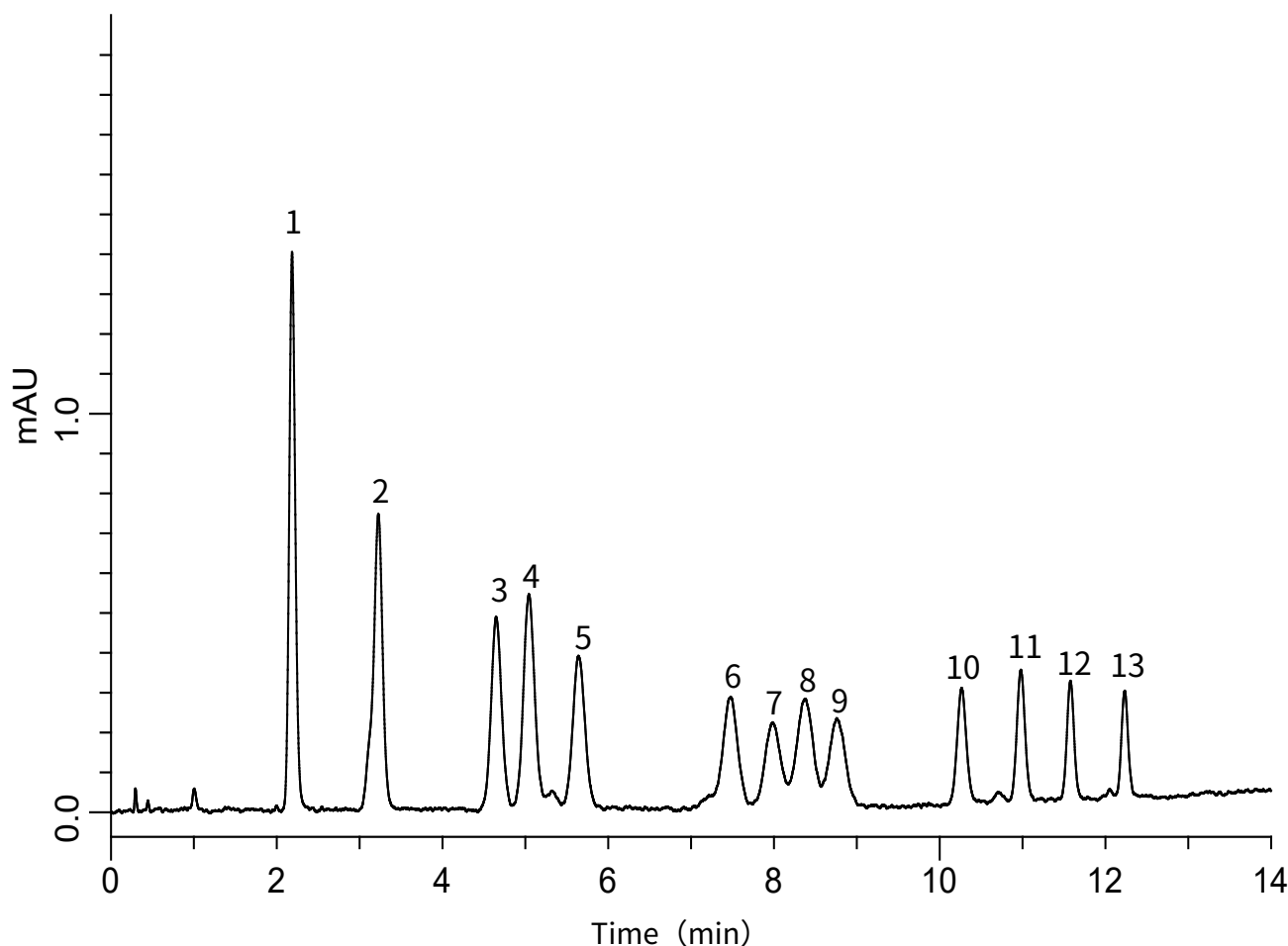


InertSearch™ for LC

Inertsil® Applications

Analysis of 13 kinds of Aldehydes

Data No. LB480-0602



Conditions

System : GL7700 HPLC system
(High-pressure gradient system)
Column : InertSustain C18 HP
(3 μ m, 50 x 3.0 mm I.D.)
Column Cat. No. : 5020-14422
Eluent : A) CH₃CN/THF = 95/5
B) H₂O/THF = 95/5
A/B = 35/65 - 1 min - 35/65
7 min - 40/60 - 7 min - 80/20, v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 35 °C
Detection : UV 360 nm (UV7750 UV Detector)
Injection Vol. : 5 μ L
Sample : Standard

Analyte:

1. DNPH-Formaldehyde
2. DNPH-Acetaldehyde
3. DNPH-Acetone
4. DNPH-Acrolein
5. DNPH-Propionaldehyde
6. DNPH-Crotonaldehyde
7. DNPH-Methylethylketone
8. DNPH-Methacrolein
9. DNPH-*n*-Butyraldehyde
10. DNPH-Benzaldehyde
11. DNPH-*n*-Valeraldehyde
12. DNPH-*m*-Tolualdehyde
13. DNPH-Hexanal
(100 μ g/L each)