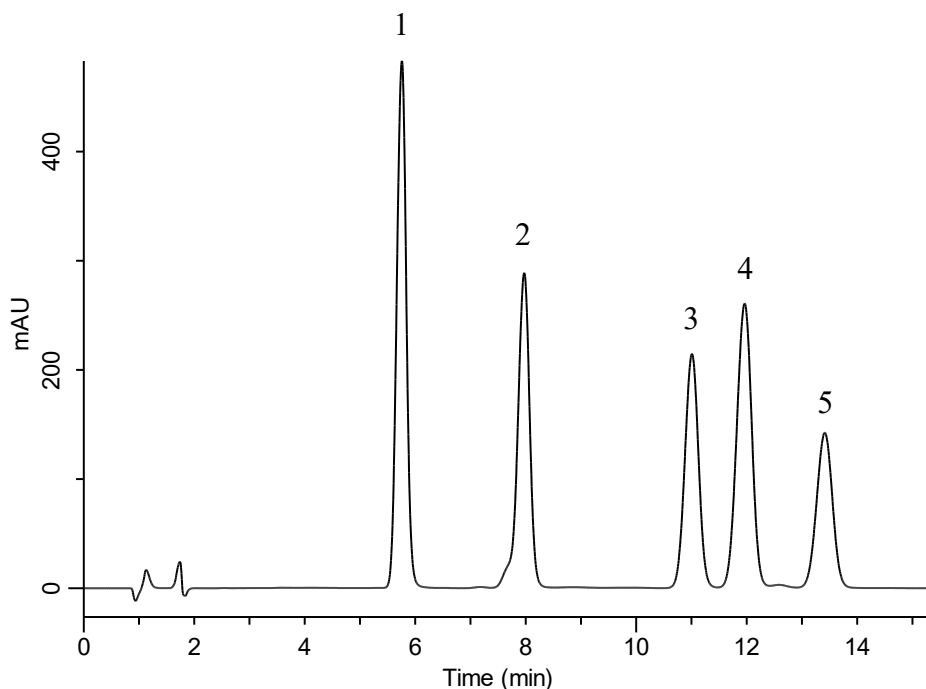


Analysis of 5 kinds of Aldehydes (Detected by Pre-Column Method with DNPH)



Conditions

System : GL-7400 HPLC system
Column : InertSustain C18 HP
 (3μm, 3.0 mm I.D. × 150 mm)
Column Cat. No. : 5020-14425
Eluent : A) CH₃CN
 B) H₂O
 C) THF
 A/B/C = 35/55/10, v/v/v
Flow Rate : 0.6 mL/min
Col. Temp. : 40 °C
Detection : UV 360 nm (GL-7452 PDA Detector)
Injection Vol. : 10 μL
Sample : DNPH-Aldehyde 5 mix Standard Solutions

Analyte:

1. DNPH-Formaldehyde	10 mg/L
2. DNPH-Acetaldehyde	10 mg/L
3. DNPH-Acetone	10 mg/L
4. DNPH-Acrolein	10 mg/L
5. DNPH-Propionaldehyde	10 mg/L