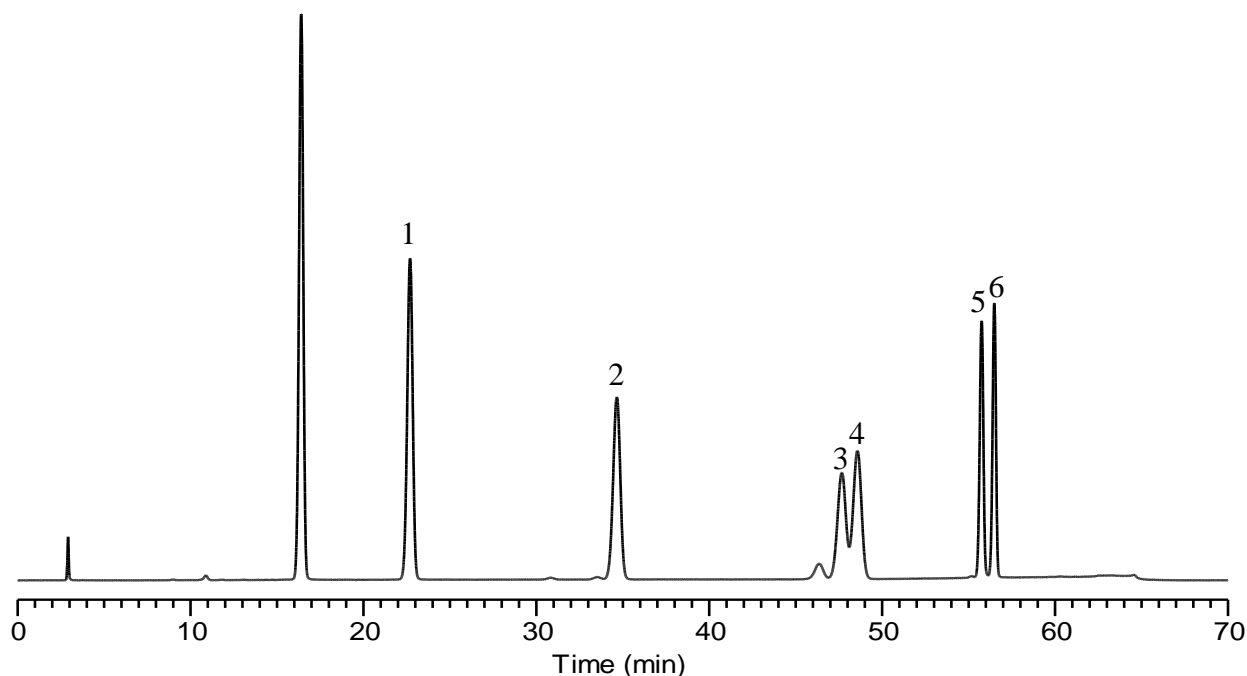


Analysis of 6 kinds of Aldehydes Specified in Japanese Offensive Odor Control Law (Detected by Pre-Column Method with DNPH)



Conditions

System : GL7700 HPLC system
Column : Inertsil C8-4 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-04086
Eluent : A) CH₃CN/ CH₃OH=1/1, v/v
 B) H₂O
 A/B = 40/60 – 45 min – 50/50
 – 15 min – 80/20 – 0.1 min – 40/60, v/v
Flow rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : UV 360 nm (UV7750 UV Detector)
Injection Vol. : 10 μ L
Sample : Standard

Analyte:

1. DNPH-Acetaldehyde
2. DNPH-Propionaldehyde
3. DNPH-*n*-Butyraldehyde
4. DNPH-Isobutyraldehyde
5. DNPH-Isovaleraldehyde
6. DNPH-*n*-Valeraldehyde

Conc. 1.0 μ g/mL each