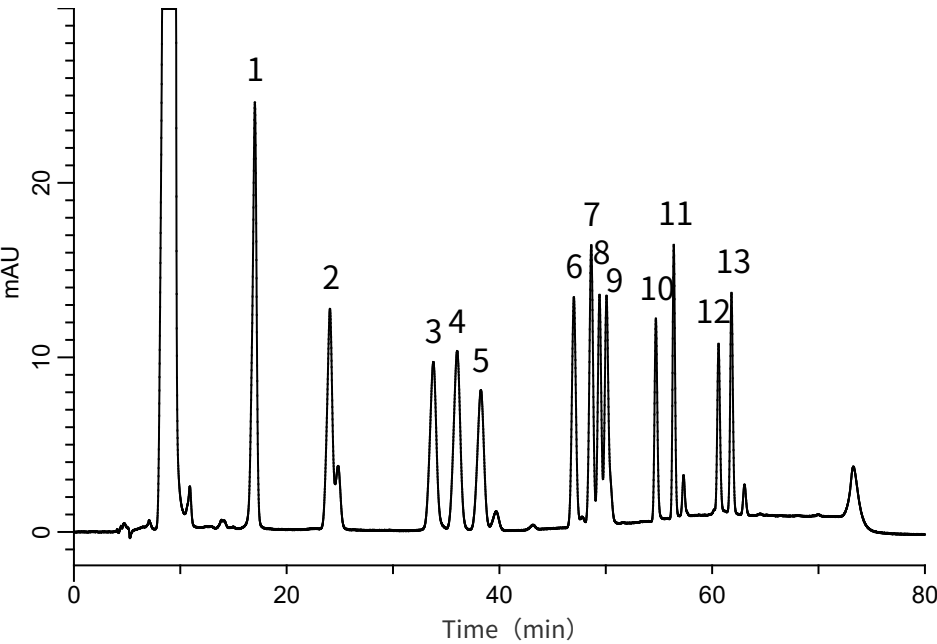


Analysis of 13 kinds of Aldehydes
(Directed by Pre-Column Method with DNPH)

Data No. LB377-0894



Conditions

System : GL7700 HPLC system
Column : InertSustain AQ-C18 HP
(3 μm, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-89937
Eluent : A) CH₃OH
B) H₂O

Time (min)	A (vol%)	B (vol%)
0.0	65	35
30.0	65	35
50.0	85	15
65.0	85	15
66.0	65	35
80.0	65	35

Flow Rate : 0.6 mL/min
Col. Temp. : 40 °C
Detection : UV 360 nm (PD7752 PDA Detector)
Injection Vol. : 20 μL
Sample : Standard

Analyte:

- | | |
|-----------------------------------|----------|
| 1. DNPH-Formaldehyde | 0.3 mg/L |
| 2. DNPH-Acetaldehyde | 0.3 mg/L |
| 3. DNPH-Acrolein | 0.3 mg/L |
| 4. DNPH-Acetone | 0.3 mg/L |
| 5. DNPH-Propionaldehyde | 0.3 mg/L |
| 6. DNPH-Crotonaldehyde | 0.3 mg/L |
| 7. DNPH-Methacrolein | 0.3 mg/L |
| 8. DNPH- <i>n</i> -Butyraldehyde | 0.3 mg/L |
| 9. DNPH-Methylethylketone | 0.3 mg/L |
| 10. DNPH-Benzaldehyde | 0.3 mg/L |
| 11. DNPH- <i>n</i> -Valeraldehyde | 0.3 mg/L |
| 12. DNPH- <i>m</i> -Tolualdehyde | 0.3 mg/L |
| 13. DNPH-Hexanal | 0.3 mg/L |