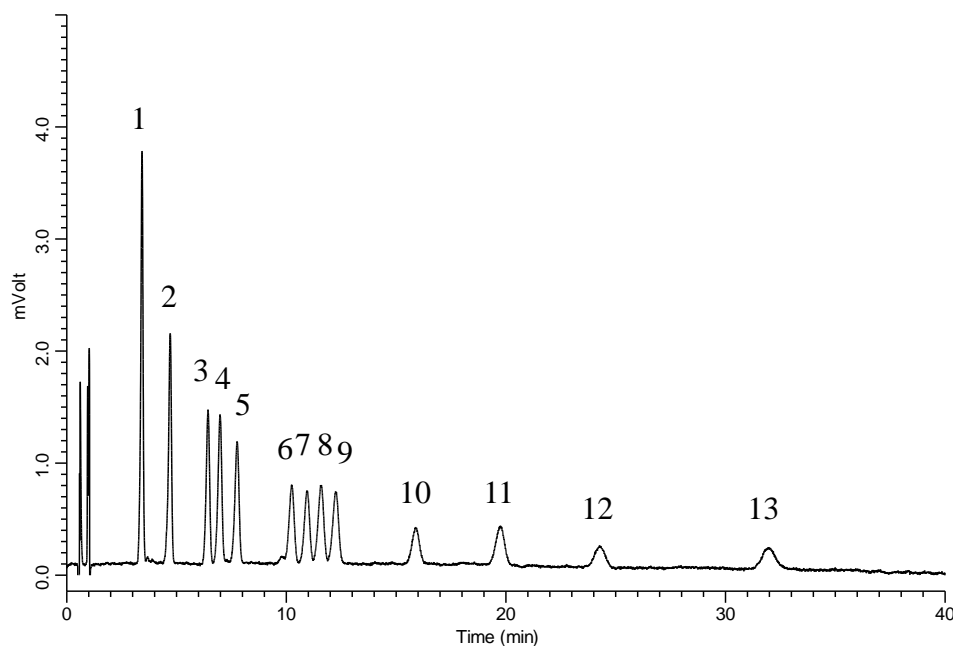


Analysis of 13 kinds of Aldehydes (Detected by Pre-Column Method with DNPH)



Conditions

System	: LC800 HPLC system
Column	: InertSustain C18 HP (3 μ m, 150 x 3.0 mm I.D.)
Column Cat. No.	: 5020-14425
Eluent	: A) CH ₃ CN B) H ₂ O C) THF A/B/C = 35/55/10, v/v/v
Flow rate	: 1.0 mL/min
Col. Temp.	: 40 °C
Detection	: UV 360 nm (LC800 UV Detector)
Injection Vol.	: 10 μ L

Analyte:

1. DNPH-Formaldehyde	150 μ g/L
2. DNPH-Acetaldehyde	150 μ g/L
3. DNPH-Acetone	150 μ g/L
4. DNPH-Acrolein	150 μ g/L
5. DNPH-Propionaldehyde	150 μ g/L
6. DNPH-Crotonaldehyde	150 μ g/L
7. DNPH-Methylethylketone	150 μ g/L
8. DNPH-Methacrolein	150 μ g/L
9. DNPH- <i>n</i> -Butyraldehyde	150 μ g/L
10. DNPH-Benzaldehyde	150 μ g/L
11. DNPH- <i>n</i> -Valeraldehyde	150 μ g/L
12. DNPH- <i>m</i> -Tolualdehyde	150 μ g/L
13. DNPH-Hexanal	150 μ g/L