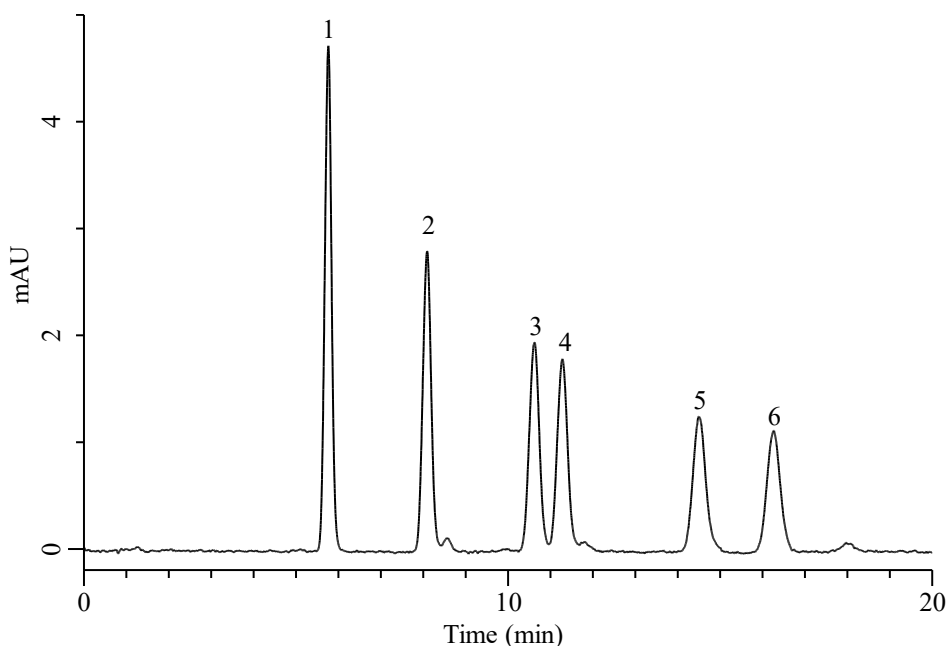


InertSearch™ for LC

Inertsil® Applications

Analysis of 6 kinds of Aldehydes (Detected by Pre-Column Method with DNPH)

Data No. LB855-1027



Conditions

System : Primaide HPLC system (HITACHI)
Column : InertSustain C30 (GL Sciences Inc.)
(HP 3 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-17184
Eluent : A) CH₃CN
B) H₂O
A/B = 60/40, v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 20 °C
Detection : UV 360 nm
Injection Vol. : 20 μ L
Sample : Standard

Analyte:

1.	DNPH-Acetaldehyde	0.1 mg/L
2.	DNPH-Propionaldehyde	0.1 mg/L
3.	DNPH- <i>iso</i> -Butyraldehyde	0.1 mg/L
4.	DNPH- <i>n</i> -Butyraldehyde	0.1 mg/L
5.	DNPH- <i>iso</i> -Valeraldehyde	0.1 mg/L
6.	DNPH- <i>n</i> -Valeraldehyde	0.1 mg/L