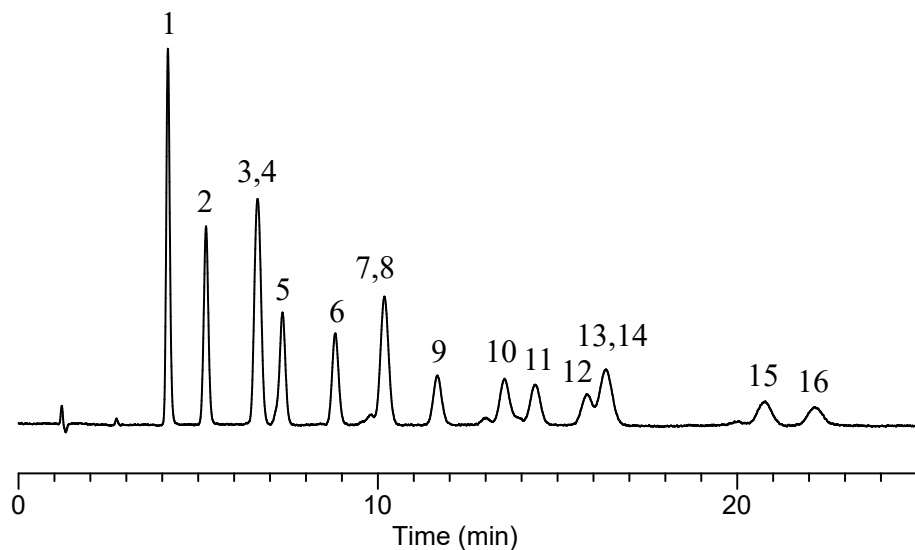


InertSearch™ for LC

Inertsil® Applications

Analysis of 16 kinds of Aldehydes (Detected by Pre-Column Method with DNPH)

Data No. LA911-0894



Conditions

System : GL-7400 HPLC system
Column : InertSustain C18 (5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-07345
Eluent : A) CH₃CN
 B) H₂O
 A / B = 60 / 40
Flow rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : PDA 360 nm
Injection Vol. : 10 μ L

Analyte:

1.	DNPH-Formaldehyde	200 μ g/L
2.	DNPH-Acetaldehyde	200 μ g/L
3.	DNPH-Acetone	200 μ g/L
4.	DNPH-Acrolein	200 μ g/L
5.	DNPH-Propionaldehyde	200 μ g/L
6.	DNPH-Crotonaldehyde	200 μ g/L
7.	DNPH-Isobutyraldehyde	200 μ g/L
8.	DNPH- <i>n</i> -Butyraldehyde	200 μ g/L
9.	DNPH-Benzaldehyde	200 μ g/L
10.	DNPH-Isovaleraldehyde	200 μ g/L
11.	DNPH- <i>n</i> -Valeraldehyde	200 μ g/L
12.	DNPH- <i>o</i> -Tolualdehyde	200 μ g/L
13.	DNPH- <i>m</i> -Tolualdehyde	200 μ g/L
14.	DNPH- <i>p</i> -Tolualdehyde	200 μ g/L
15.	DNPH-Hexanal	200 μ g/L
16.	DNPH-2,5-dimethylbenzaldehyde	200 μ g/L