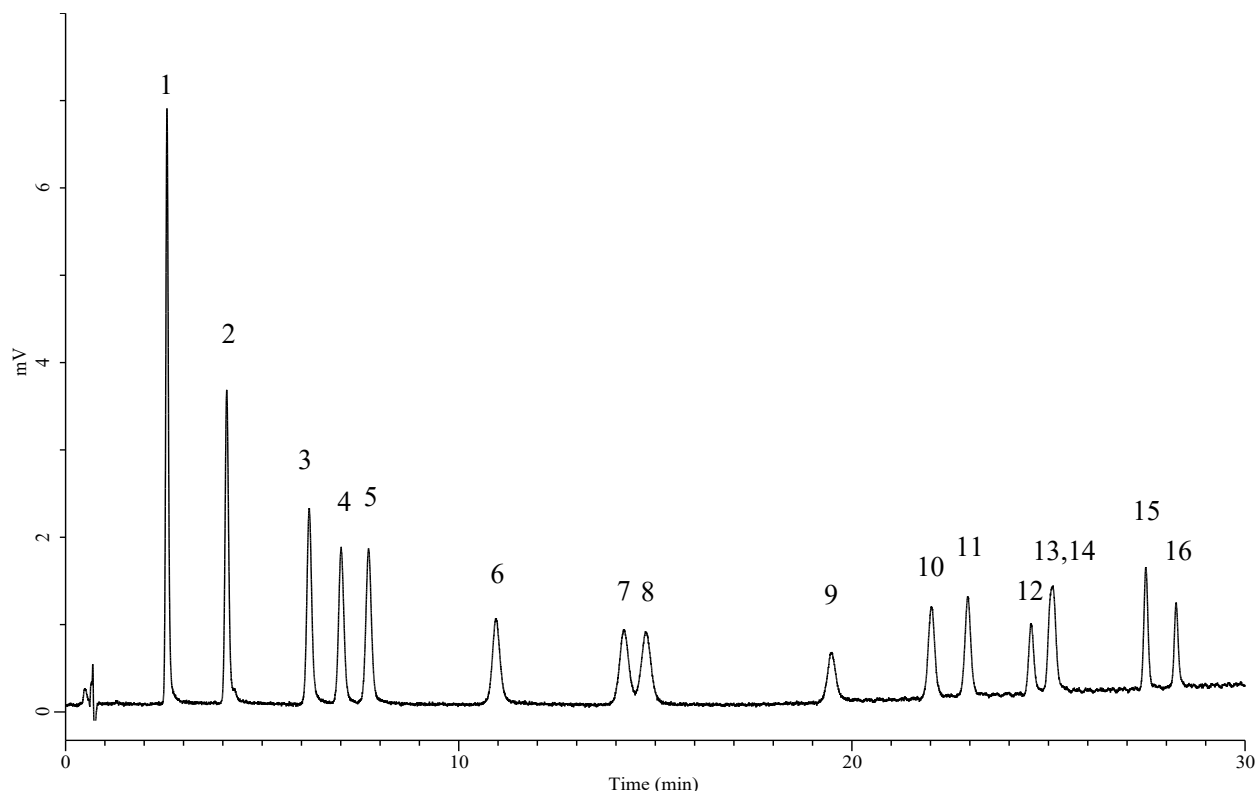


Analysis of 16 kinds of Aldehydes (Detected by Pre-Column Method with DNPH)



Conditions

Column : InertCore C8 (GL Sciences Inc.)
(2.6 μm , 100 x 2.1 mm I.D.)

Column Cat. No. : 5020-17529

Eluent : A) CH_3OH
B) H_2O
A/B= 50/50-15 min, hold-15 min-75/25-0.1min-50/50, v/v

Time (min)	A% (vol)	B% (vol)
0	50	50
15	50	50
30	75	25
30.1	50	50

Flow Rate : 0.3 mL/min

Col. Temp. : 40 $^{\circ}\text{C}$

Detection : UV 360 nm

Injection Vol. : 1 μL

Analyte:

1. DNPH-Formaldehyde
2. DNPH-Acetaldehyde
3. DNPH-Acetone
4. DNPH-Acrolein
5. DNPH-Propionaldehyde
6. DNPH-Crotonaldehyde
7. DNPH-Isobutyraldehyde
8. DNPH-*n*-Butyraldehyde
9. DNPH-*n*-Benzaldehyde
10. DNPH-Isovaleraldehyde
11. DNPH-*n*-Veleraldehyde
12. DNPH-*o*-Tolualdehyde
13. DNPH-*m*-Tolualdehyde
14. DNPH-*p*-Tolualdehyde
15. DNPH-*n*-Hexanal
16. DNPH-2,5-Dimethylbenzaldehyde

(0.5 $\mu\text{g/mL}$ each)