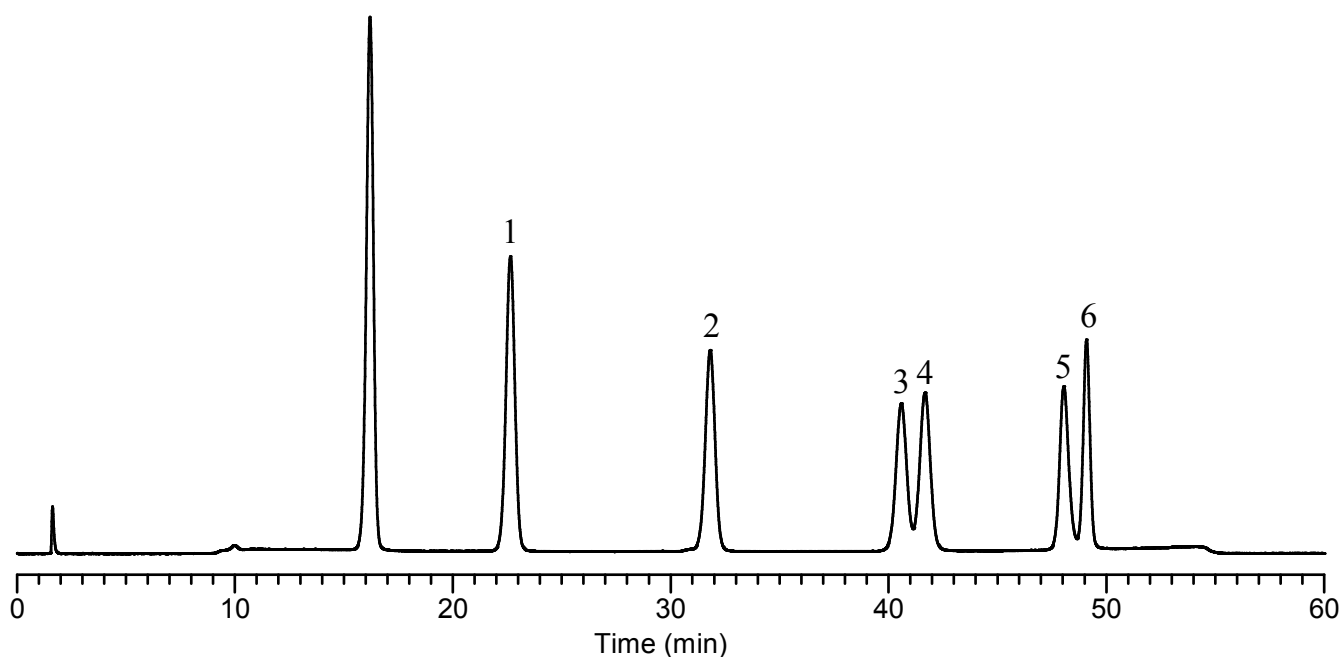


# InertSearch™ for LC

Inertsil™ Applications

## Analysis of 6 kinds of Aldehydes Specified in Japanese Offensive Odor Control Law (Detected by Pre-Column Method with DNPH)

Data No. LB539-0848



### Conditions

**System** : GL7700 HPLC system  
**Column** : InertSustain PFP (5  $\mu$  m, 250 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-87731  
**Eluent** : A) CH<sub>3</sub>OH/CH<sub>3</sub>CN=9/1, v/v  
          B) H<sub>2</sub>O  
          A/B = 40/60 – 40 min – 53/47  
          – 10 min – 70/30 – 0.1 min – 40/60, v/v  
**Flow rate** : 1.0 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : UV 360 nm (UV7750 UV Detector)  
**Injection Vol.** : 10  $\mu$  L  
**Sample** : Standard

### Analyte:

1. DNPH-Acetaldehyde
2. DNPH-Propionaldehyde
3. DNPH-*n*-Butyraldehyde
4. DNPH-Isobutyraldehyde
5. DNPH-Isovaleraldehyde
6. DNPH-*n*-Valeraldehyde

Conc. 1.0  $\mu$  g/mL each