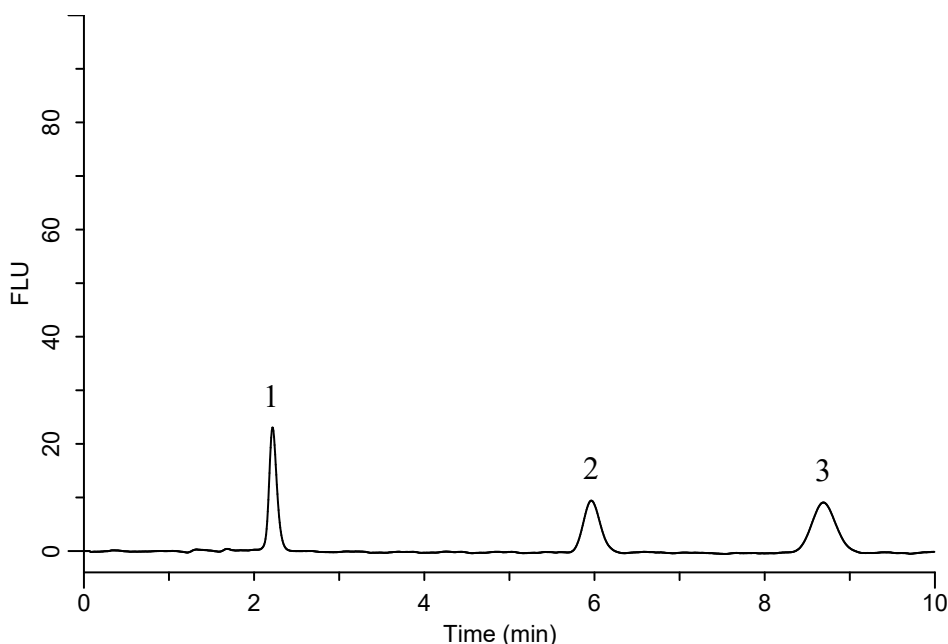


# InertSearch™ for LC

Inertsil® Applications

## Analysis of Carbamate insecticides – InertSustain C18 (Directed by Post-Column Method with OPA)

Data No. LA914-0894



### Conditions

**System** : GL-7400 HPLC system  
**Column** : InertSustain C18 (5µm, 150 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-07345  
**Eluent** : A) 2-Propanol  
          B) H<sub>2</sub>O  
          A/B = 30/70, v/v  
**Flow rate** : 1.0 mL/min  
**Reaction Reagent** : OPA reagent\*  
**Col. Temp.** : 40 °C  
**Detection** : FL Ex 339 nm Em 455 nm  
              (GL-7453A FL Detector)  
**Injection Vol.** : 10 µL  
**Sample** : Pesticides

### Analyte:

1. Methomyl	100 µg/L
2. Carbofuran	100 µg/L
3. Carbaryl	100 µg/L

\* Dissolve 0.2 g of o-Phthalaldehyde in 2.5 mL of methanol, and add 0.05 mol/L sodium tetraborate aqueous solution to make 250 mL. After sonicating this solution, add 0.5 mL of 2-Mercaptoethanol.