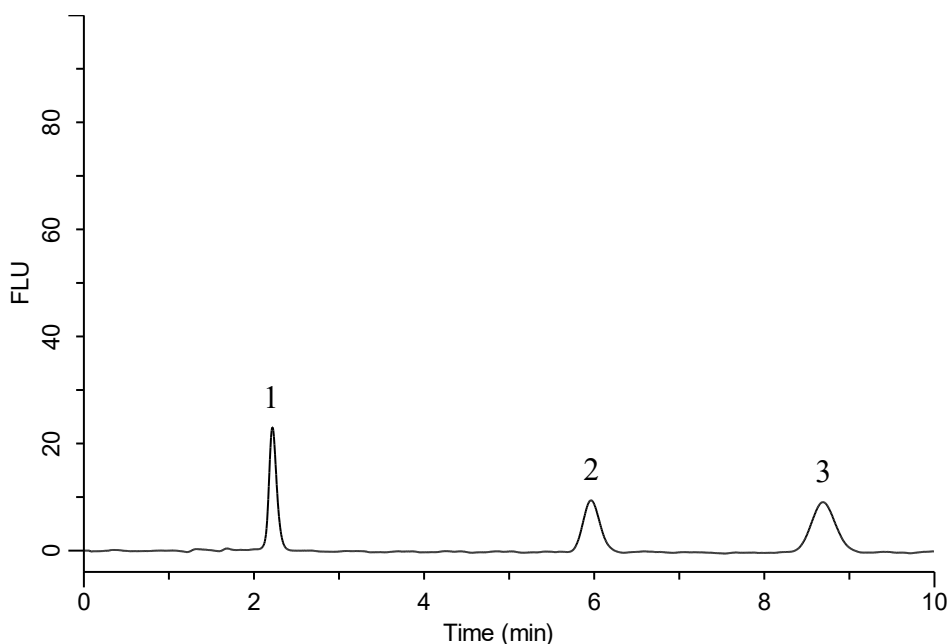


Analysis of Carbamate insecticides – InertSustain C18 (Detected by Post-Column Method with OPA)



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) 2-Propanol
 B) H₂O
 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 μ L

Sample : Pesticides

Analyte:

1. Methomyl	100 μ g/L
2. Carbofuran	100 μ g/L
3. Carbaryl	100 μ g/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.