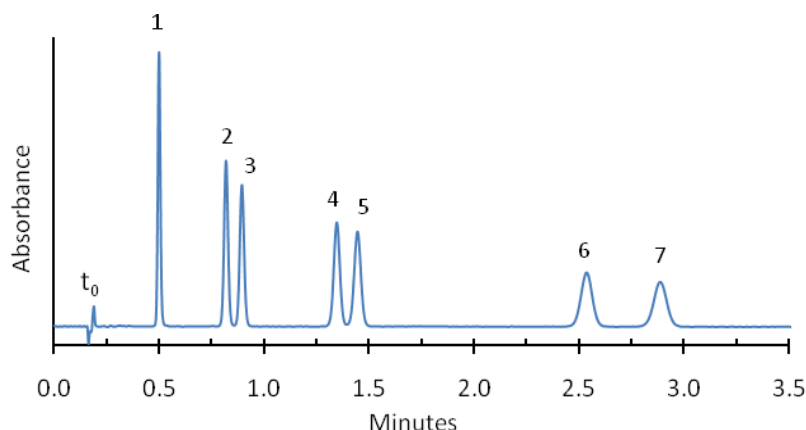


Application Note: 41-TR

Rapid Separation of Triazine Pesticides on HALO C18 Phase



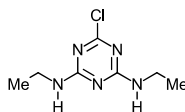
PEAK IDENTITIES:

1. Simazine
2. Atrazine
3. Prometon
4. Ametryn
5. Propazine
6. Prometryn
7. Terbutryn

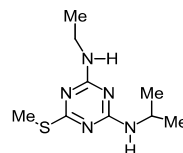
TEST CONDITIONS:

Column: 4.6 x 50 mm, HALO C18
 Part Number: 92814-402
 Mobile Phase: 50/50-A/B
 A= 0.02 M Ammonium formate, adj. to pH=6.0
 B=Acetonitrile
 Flow Rate: 2.5 mL/min.
 Pressure: 270 Bar
 Temperature: 30 °C
 Detection: UV 220 nm, VWD
 Injection Volume: 0.3 µL
 Sample: Supelco Triazine Pesticides Mix-48392
 Sample Solvent: Methanol
 Response Time: 0.02 sec.
 Flow Cell: 2.5 µL semi-micro
 LC System: Shimadzu Prominence UFLC XR
 Extra column volume: ~14 µL

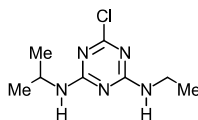
STRUCTURES:



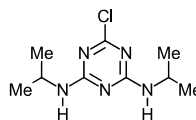
Simazine



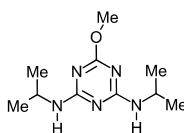
Ametryn



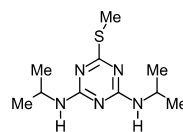
Atrazine



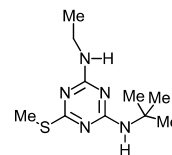
Propazine



Prometon



Prometryn



Terbutryn

This triazine pesticides mixture can be rapidly separated on a HALO Fused-Core C18 column while retaining good peak shape and high column efficiency.