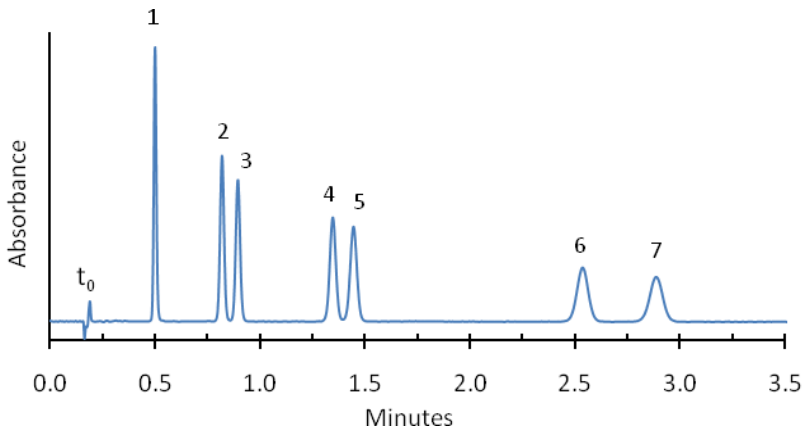
Application Note: 41-TR

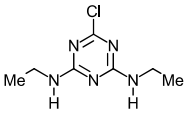
Rapid Separation of Triazine Pesticides on HALO C18 Phase



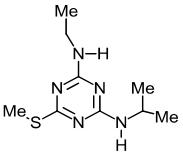
PEAK IDENTITIES:
1. Simazine
2. Atrazine
3. Prometon
4. Ametryn
5. Propazine
6. Prometryn
7. Terbutryn

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

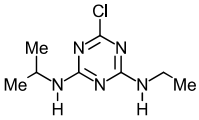
STRUCTURES:



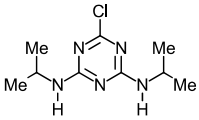
Simazine



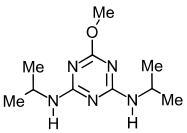
Ametryn



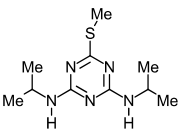
Atrazine



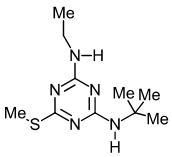
Propazine



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.

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