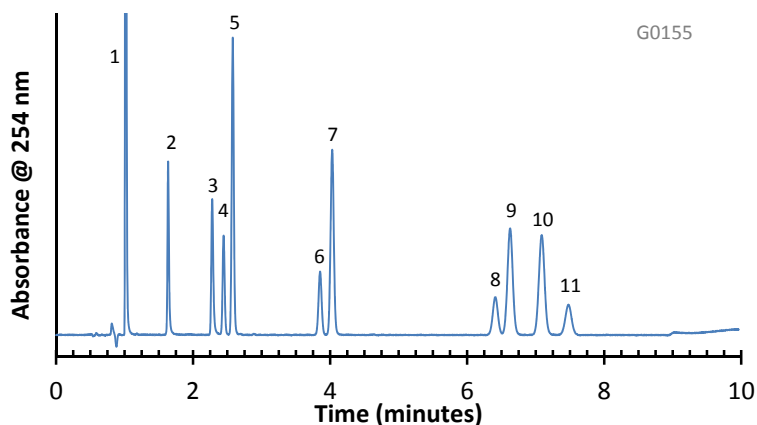


Separation of Triazine Pesticides on HALO AQ-C18, 2.7 µm



PEAK IDENTITIES:

1. Acetone (solvent)
2. Atraton
3. Prometon
4. Simazine
5. Simetryn
6. Atrazine
7. Ametryn
8. Propazine
9. Prometryn
10. Terbutryn
11. Terbuthylazine

TEST CONDITIONS:

Column: HALO AQ-C18, 2.7 µm, 4.6 x 150 mm

Part Number: 92814-722

Mobile Phase:

A= 0.02 M sodium phosphate buffer, pH=3.0

B= Acetonitrile

Gradient:

Time	%B
0.0	40
8.0	40
10.0	75

Flow Rate: 1.6 mL/min.

Pressure: 310 bar at start

Temperature: 35°C

Detection: UV 254 nm, VWD

Injection Volume: 2.0 µL

Sample Solvent: 25/75: acetone/acetonitrile

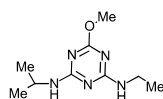
Response Time: 0.02 sec.

Data rate: 25 Hz.

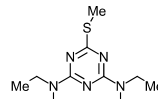
Flow Cell: 2.5 µL semi-micro

LC System: Shimadzu Prominence UFLC XR

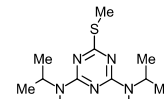
STRUCTURES:



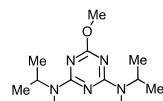
Atraton



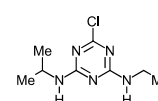
Simetryn



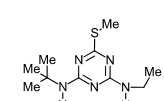
Prometryn



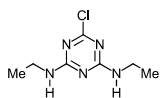
Prometon



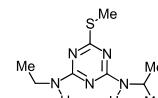
Atrazine



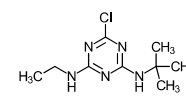
Terbutryn



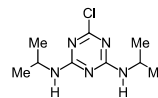
Simazine



Ametryn



Terbuthylazine



Propazine

This mixture of s-triazine herbicides can be readily analyzed using a HALO AQ-C18 column in under 10 minutes.