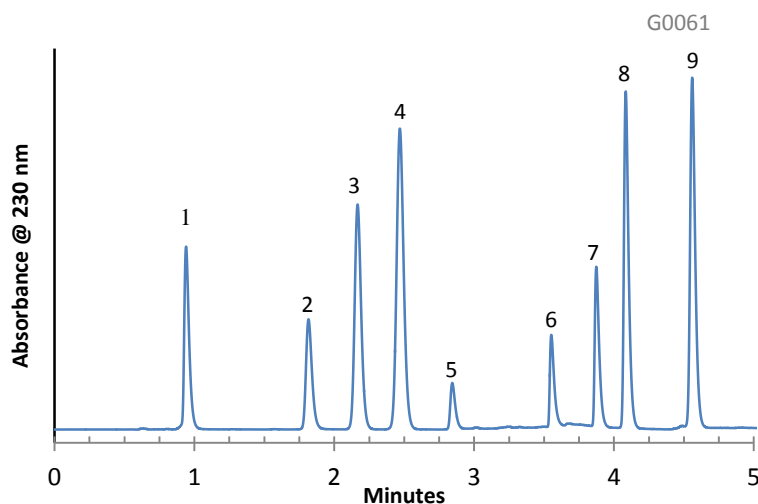


## HPLC Separation of Diuretics on HALO Phenyl-Hexyl



### PEAK IDENTITIES:

1. Amiloride
2. Caffeine
3. Chlorothiazide
4. Hydrochlorothiazide
5. Triamterene
6. Torsemide
7. Furosemide
8. Indapamide
9. Bumetanide

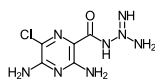
### TEST CONDITIONS:

Column: 4.6 x 100 mm, HALO Phenyl-Hexyl  
 Part Number: 92814-606  
 Mobile Phase:  
 A= 0.02 M Potassium phosphate buffer, (pH=3)  
 B= Acetonitrile

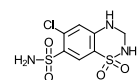
Time	%B	Time	%B
0	15	3.0	50
1.7	15	7.0	60

Flow Rate: 1.5 mL/min.  
 Pressure: 253 Bar (@start of gradient)  
 Temperature: 30°C  
 Detection: UV 230 nm, VWD  
 Injection Volume: 2 µL  
 Sample Solvent: Acetonitrile  
 Response Time: 0.02 sec.  
 Flow Cell: 2.5 µL semi-micro  
 LC System: Shimadzu Prominence UFLC XR  
 ECV: ~14 µL

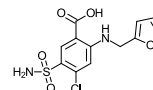
### STRUCTURES:



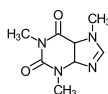
Amiloride



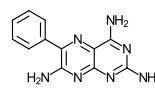
Hydrochlorothiazide



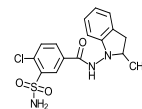
Furosemide



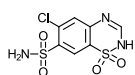
Caffeine



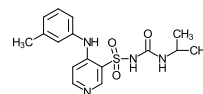
Triamterene



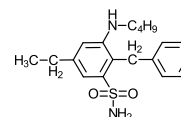
Indapamide



Chlorothiazide



Torsemide



Bumetanide

This separation illustrates the utility of HALO Fused-Core Phenyl-Hexyl phase in the rapid analysis of common diuretics.