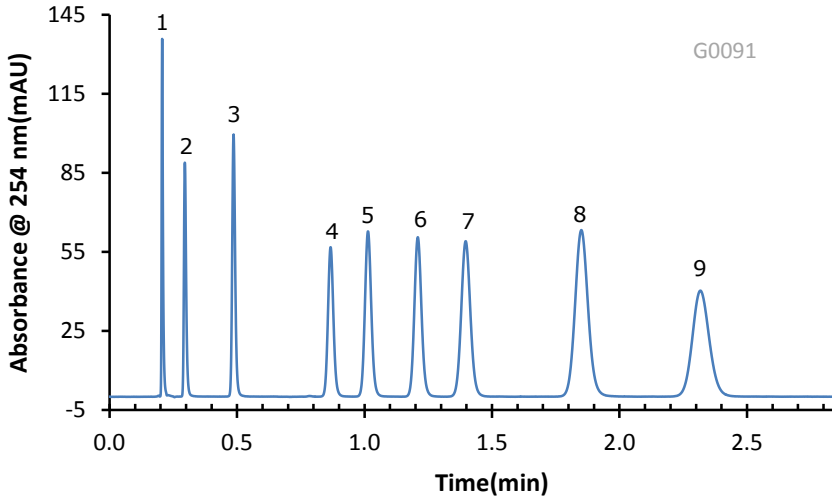
Application Note: 107-P

Polar Compounds Separated by HALO-5 RP-Amide



PEAK IDENTITIES:

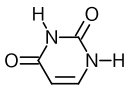
1. Uracil
2. Benzamide
3. Aniline
4. Cinnamyl Alcohol
5. Dimethyl Phthalate
6. 2-Nitroaniline
7. 4’-Bromoacetanilide
8. 2,2’-Biphenol
9. 4,4’-Biphenol

TEST CONDITIONS:

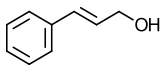
Column: 4.6 x 100 mm, HALO-5 RP-Amide
Part Number: 95814-607
Mobile Phase: 70/30: A/B
A = 20 mM Potassium Phosphate, pH 7
B = Acetonitrile
Flow Rate: 4.0 mL/min
Pressure: 308 bar
Temperature: 26 °C
Detection: UV 254 nm, VWD
Injection Volume: 5.0 µL
Sample Solvent: 50/50: Water/Acetonitrile
Response Time: 0.12 sec.
Flow Cell: 5 µL semi-micro
LC System: Agilent 1100

A rapid separation of efficient peaks is obtained for this mix of polar compounds using a HALO-5 RP-Amide column.

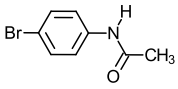
STRUCTURES:



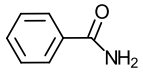
Uracil



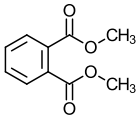
Cinnamyl Alcohol



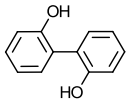
4’-Bromoacetanilide



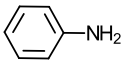
Benzamide



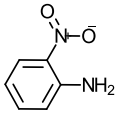
Dimethyl Phthalate



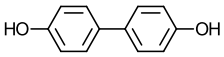
2,2’-Biphenol



Aniline



2-Nitroaniline



4,4’-Biphenol

FOR MORE INFORMATION OR TO PLACE AN ORDER, CONTACT: