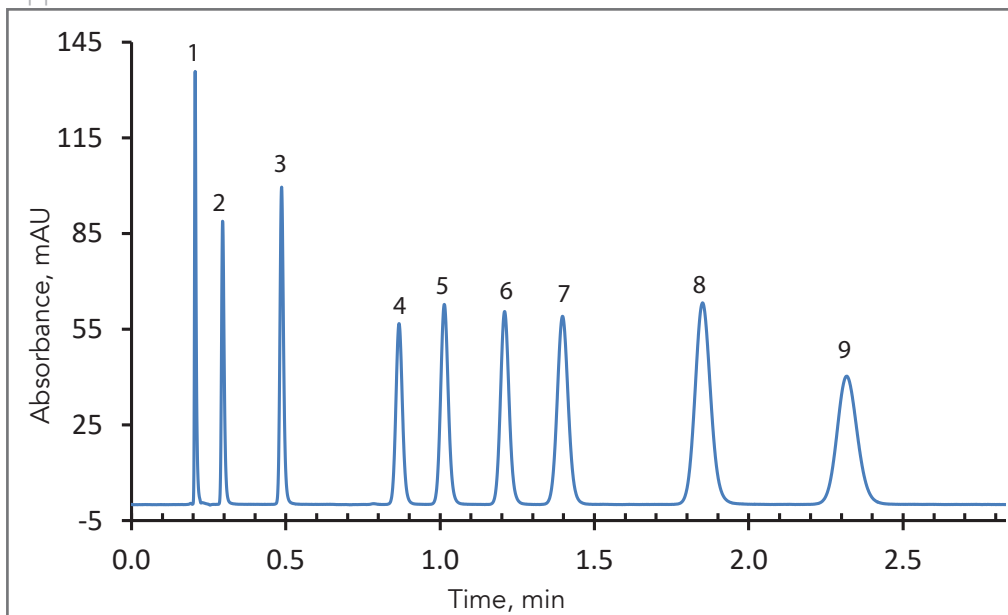




## Polar Compounds Separated by HALO® RP-Amide, 5 µm

Application Note 107-P



### 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

Nine polar compounds can be separated in less than 2.5 minutes on this 5 µm HALO® RP-Amide column. This is possible due to the high efficiency of the Fused-Core® particles, even at very high flow rates.

### TEST CONDITIONS:

**Column:** HALO 90 Å RP-Amide, 5 µm,  
4.6 x 100 mm

**Part Number:** 95814-607

**Mobile Phase:** 70/30 - A/B

A: 20 mM potassium phosphate, pH 7.0

B: Acetonitrile

**Flow Rate:** 4.0 mL/min

**Pressure:** 308 bar

**Temperature:** 26 °C

**Detection:** UV 254 nm, VWD

**Injection Volume:** 5.0 µL

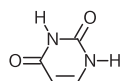
**Sample Solvent:** 50/50 water/acetonitrile

**Response Time:** 0.12 sec

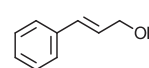
**Flow Cell:** 5.0 µL semi-micro

**LC System:** Agilent 1100

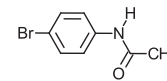
### STRUCTURES:



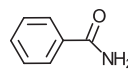
Uracil



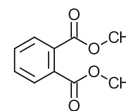
Cinnamyl Alcohol



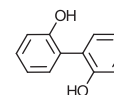
4'-Bromoacetanilide



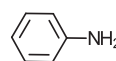
Benzamide



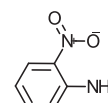
Dimethyl Phthalate



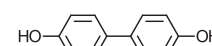
2,2'-Biphenol



Aniline



2-Nitroaniline



4,4'-Biphenol

