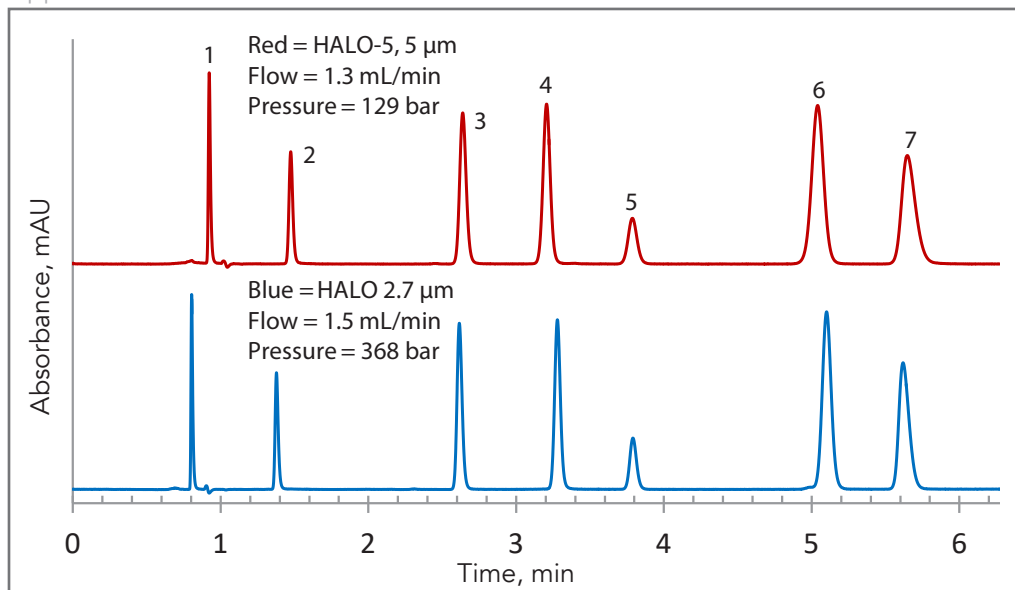




## Comparable Selectivity Between HALO® 5 µm and HALO® 2.7 µm RP-Amide Phases

Application Note 106



### PEAK IDENTITIES:

1. Uracil
2. p-Aminobenzoic acid
3. Acetylsalicylic acid
4. Dehydroacetic acid
5. Benzoic acid
6. Methyl paraben
7. 3-Fluorobenzoic acid

Similar selectivity is achieved between the 5 µm and 2.7 µm HALO® RP-Amide particle sizes through a slight flow rate adjustment allowing easy method transfer.

### TEST CONDITIONS:

#### Columns:

1) HALO 90 Å RP-Amide, 5 µm, 4.6 x 150 mm

**Part Number:** 95814-707

2) HALO 90 Å RP-Amide, 2.7 µm, 4.6 x 150 mm

**Part Number:** 92814-707

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

A: Water/0.1% formic acid

B: Acetonitrile

**Flow Rate:** See chart

**Pressure:** See chart

**Temperature:** 25 °C

**Detection:** UV 254 nm, VWD

**Injection Volume:** 5.0 µL

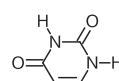
**Sample Solvent:** 50/50 water/acetonitrile

**Response Time:** 0.12 sec

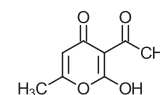
**Flow Cell:** 5.0 µL semi-micro

**LC System:** Agilent 1100

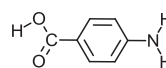
### STRUCTURES:



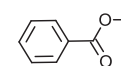
Uracil



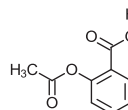
Dehydroacetic Acid



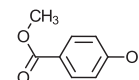
p-Aminobenzoic Acid



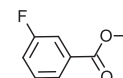
Benzoic Acid



Acetylsalicylic Acid



Methyl Paraben



3-Fluorobenzoic Acid

