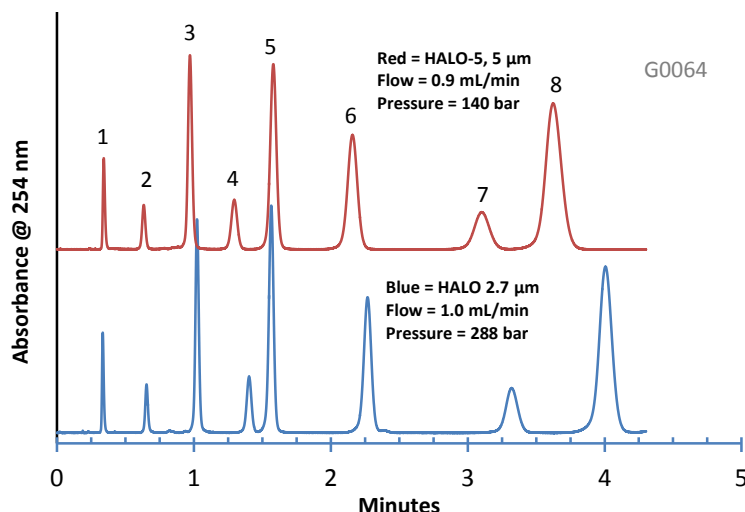


Comparable Selectivity between HALO-5 and HALO 2.7µm-PFP Phases



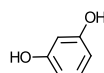
PEAK IDENTITIES:

1. Resorcinol
2. Vanillin
3. Benzonitrile
4. Benzoin
5. Nitrobenzene
6. Benzanilide
7. Bisphenol A
8. Diethylphthalate

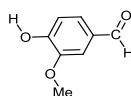
TEST CONDITIONS:

Column 1: 3.0 x 50 mm, HALO 5 µm PFP
 Part Number: 95813-409
 Column 2: 3.0 x 50 mm, HALO 2.7 µm PFP
 Part Number: 92813-409
 Mobile Phase: 55//45: 0.02 M Potassium phosphate buffer, pH=3//methanol
 Flow Rate: See chart
 Pressure: See chart
 Temperature: 30°C
 Detection: UV 254 nm, VWD
 Injection Volume: 0.5 µL
 Sample Solvent: Methanol
 Response Time: 0.02 sec.
 Flow Cell: 2.5 µL semi-micro
 LC System: Shimadzu Prominence UFLC XR
 ECV: ~14 µL

STRUCTURES:



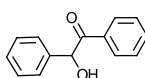
Resorcinol



Vanillin



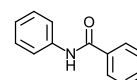
Benzonitrile



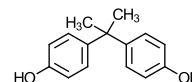
Benzoin



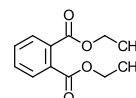
Nitrobenzene



Benzanilide



Bisphenol A



Diethylphthalate

The similar selectivity between the 2.7 µm and the 5 µm HALO PFP allows easy method transfer between these two particle size phases. Note the slight adjustment in flow to compensate for differences in column volume.