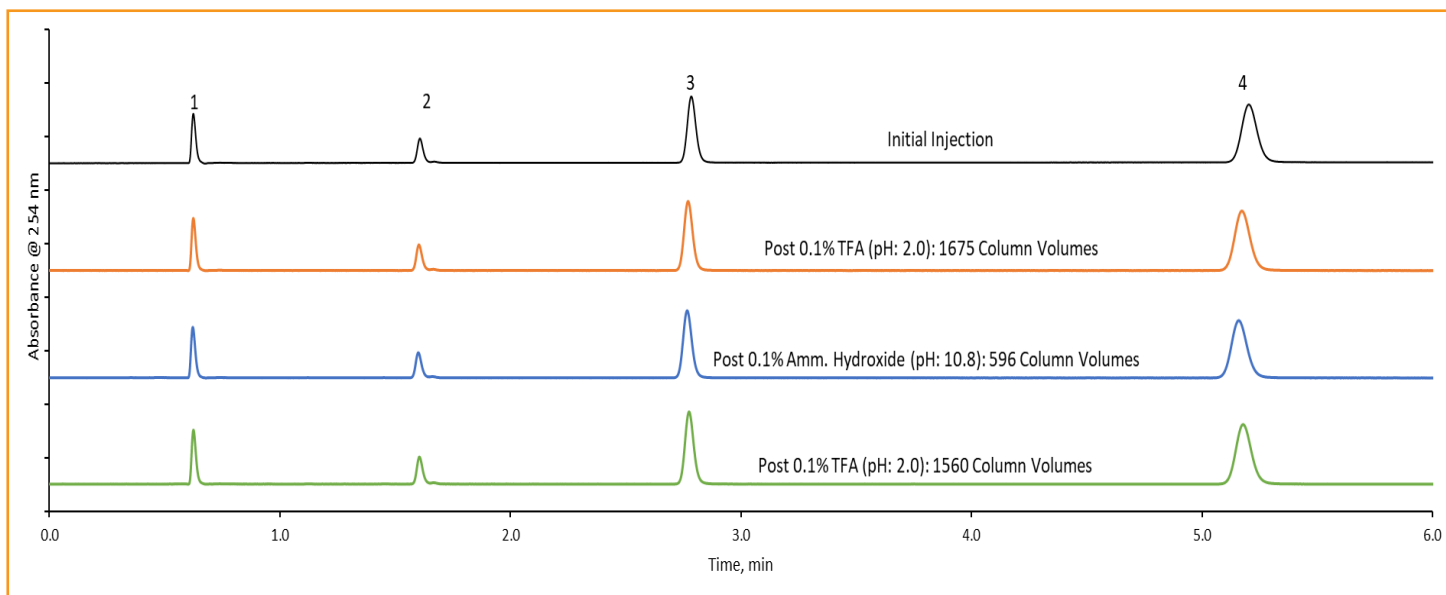




Low and High pH HALO® Elevate Column Stability

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TEST CONDITIONS:

Column: HALO 120 Å Elevate C18, 2 μ m, 2.1 x 100 mm

Part Number: 91272-602

Mobile Phase A: Water

Mobile Phase B: Acetonitrile

Isocratic: 80% B

Flow Rate: 0.3 mL/min

Back Pressure: 238 bar

Temperature: 30 °C

Injection: 0.5 μ L

Sample Solvent: 20/80 Water/ACN

Wavelength: PDA, 254 nm

Flow Cell: 0.1 μ L

Data Rate: 100 Hz

Response Time: 0.05 sec.

LC System: Shimadzu Nexera X2

PEAK IDENTITIES:

1. Uracil
2. Pyrene
3. Decanophenone
4. Dodecanophenone

HALO® Elevate C18, 2 μ m is not only stable under high pH conditions, but it can also be run under acidic conditions. Adjusting the pH of your mobile phase is a great way to alter selectivity during method development. A mixture of neutral compounds were separated before/after flushing the column with low pH mobile phases (0.1% TFA, pH: 2) and high pH mobile phases (0.1% ammonium hydroxide, pH: 10.8) showing excellent column stability and the ability to cycle the column back and forth between high and low pH mobile phase conditions.