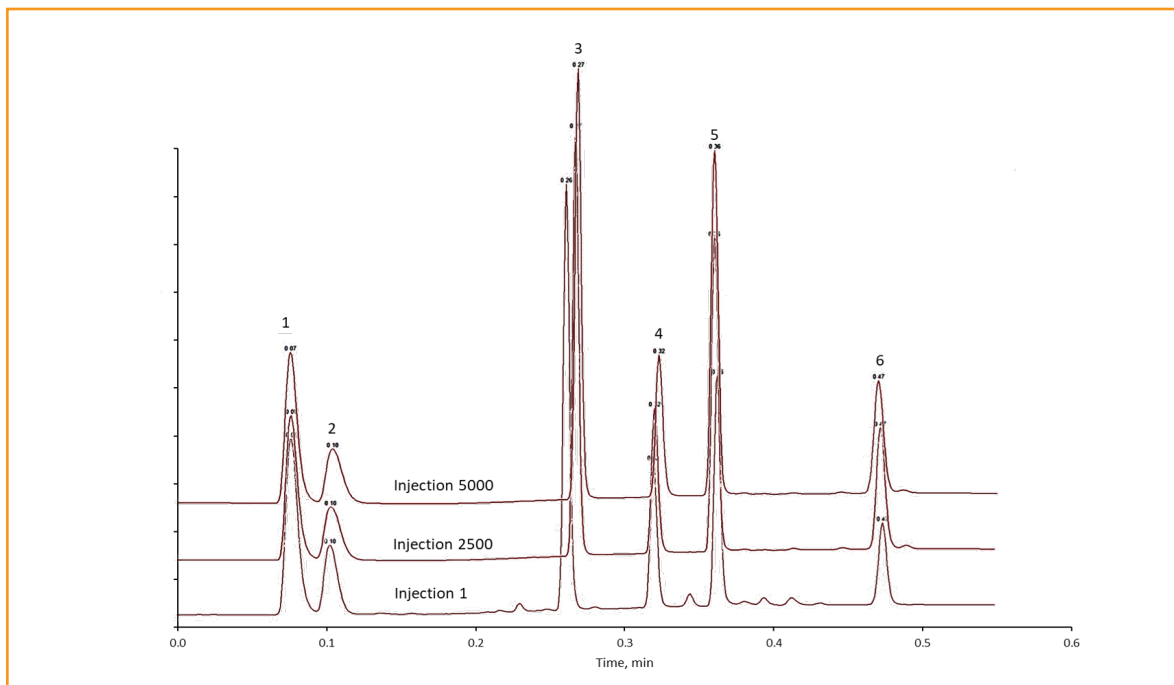




### High pH and Temperature Stability With HALO® ELEVATE 1.5 mm ID

385



#### TEST CONDITIONS:

Columns: HALO 120 Å ELV C18, 2.7 µm, 1.5 x 50 mm

Part Number: 9227X-402

Mobile Phase A: 0.1% NH<sub>4</sub>OH, pH:11

Mobile Phase B: Acetonitrile

Gradient:	Time	%B
	0.00	20
	0.25	95
	0.45	100
	0.55	100

Flow Rate: 1.0 mL/min

Max Back Pressure: 550 bar

Temperature: 60 °C

Injection Volume: 1 µL

Detection: UV Wavelength Range: 210-400 nm

MS Scan Range: 100-1250 Da

Flow Cell: 500 nL Analytical flow cell (max. pressure 1000 psi)

Data Rate: 80 Hz

Filter Time Constant: Fast

LC System: Waters Acquity H-Class

#### PEAK IDENTITIES:

1. 4-hydroxyisophthalic acid
2. Benzamide
3. Flavone
4. Doxepin
5. Triphenylene
6. Amiodarone

A HALO® Elevate C18 column in 1.5 x 50 mm dimension was run using pH 11 and 60 °C to demonstrate the stability and robustness of both the stationary phase and the column hardware. No significant changes to retention time, peak shape, and back pressure were observed over the course of 5000 injections.

Data Courtesy of: Boehringer Ingelheim (Biberach, Germany)



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