

2-Chloroethanol

SeQuant® ZIC®-HILIC

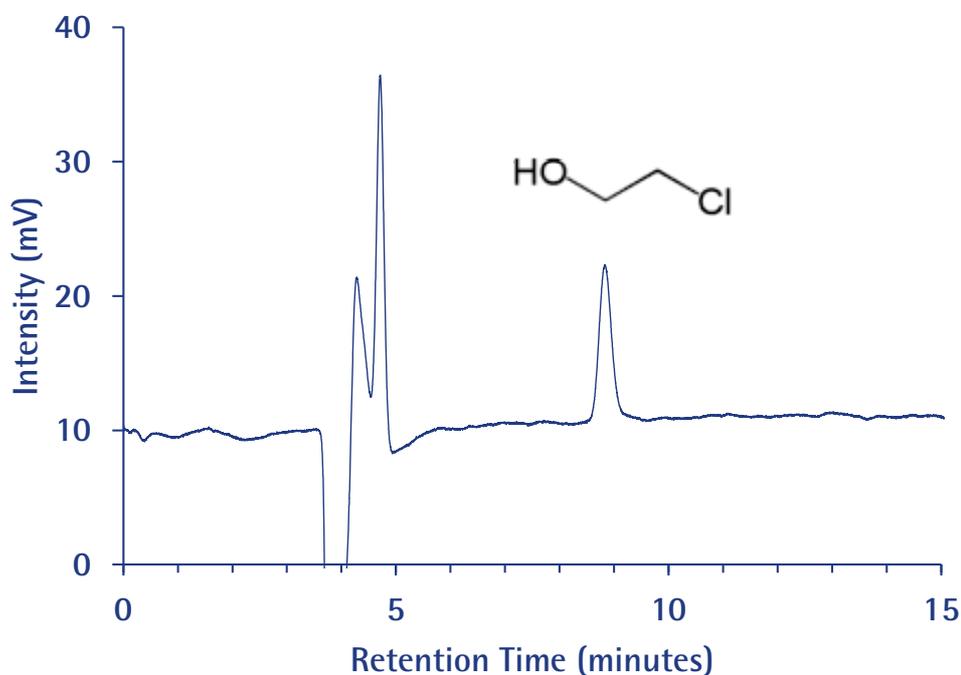
Chromatographic Conditions

Column: SeQuant® ZIC®-HILIC (5 µm, 200 Å) 150x4.6 mm 1.50455.0001
 Injection: 25 µL
 Detection: RI (Detection Range: 1, Cell temperature: 40°C) Shimadzu Prominence
 Cell: 9 µL
 Flow Rate: 0.5 mL/min.

Mobile Phase (v/v): Dissolve 3.08 g of ammonium acetate in 1L water (40 mM).
 Mix buffer and acetonitrile 25:75 (v/v). Total ionic strength: 10 mM
 Temperature: 40 °C
 Diluent: Mobile phase

Sample: Weigh 100 mg of sample in 100 ml volumetric flask. Dilute up to the mark with mobile phase.
 Pipette out 10 ml of the above solution & dilute to 100 ml with mobile phase.

Pressure Drop: 83 bar (1203 psi)



Chromatographic Data

No.	Compound	Retention Time (min)	Tailing Factor	Theoretical Plate
1	2-Chloroethanol	8.8	1.2	7149