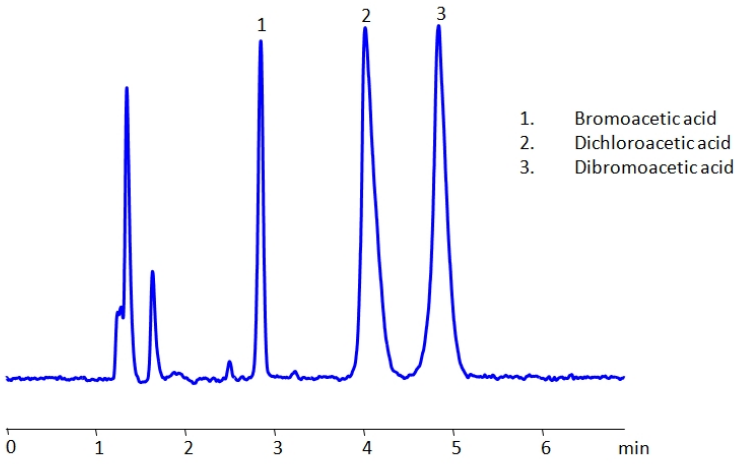
HPLC Separation of Bromoacetic and Chloroacetic acids on Newcrom B Column



Column:	Newcrom B
Column size:	4.6 × 150 mm, 5 µm
Mobile phase:	MeCN/H2O – 10/90%
Buffer:	AmFm pH 3.0 – 30 mM,
Flow rate:	1 ml/min
Detection:	CAD, MS-compatible mobile phase

High Performance Liquid Chromatography (HPLC) Method for Analysis of Bromoacetic acid , Dibromoacetic acid , Dichloroacetic acid , Trichloroacetic acid .

Bromo – and chloro – acetic acids are widely used in organic chemistry. Their similar structure makes the acids difficult to retain and separate on reverse-phase HPLC columns. By using Newcrom BH mixed-mode column which also has ion-exchange properties, the separation can be achieved with a simple isocratic method and relatively short time with a mobile phase of acetonitrile (ACN), water and sulfuric acid (H2SO4) buffer.

Method Parameters

Column	Newcrom B, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 10/90%
Buffer	AmFm pH 3.0
Flow Rate	1.0 mL/min
Detection	CAD

Quelle: https://sielc.com/hplc-separation-of-bromoacetic-and-chloroacetic-acids-2