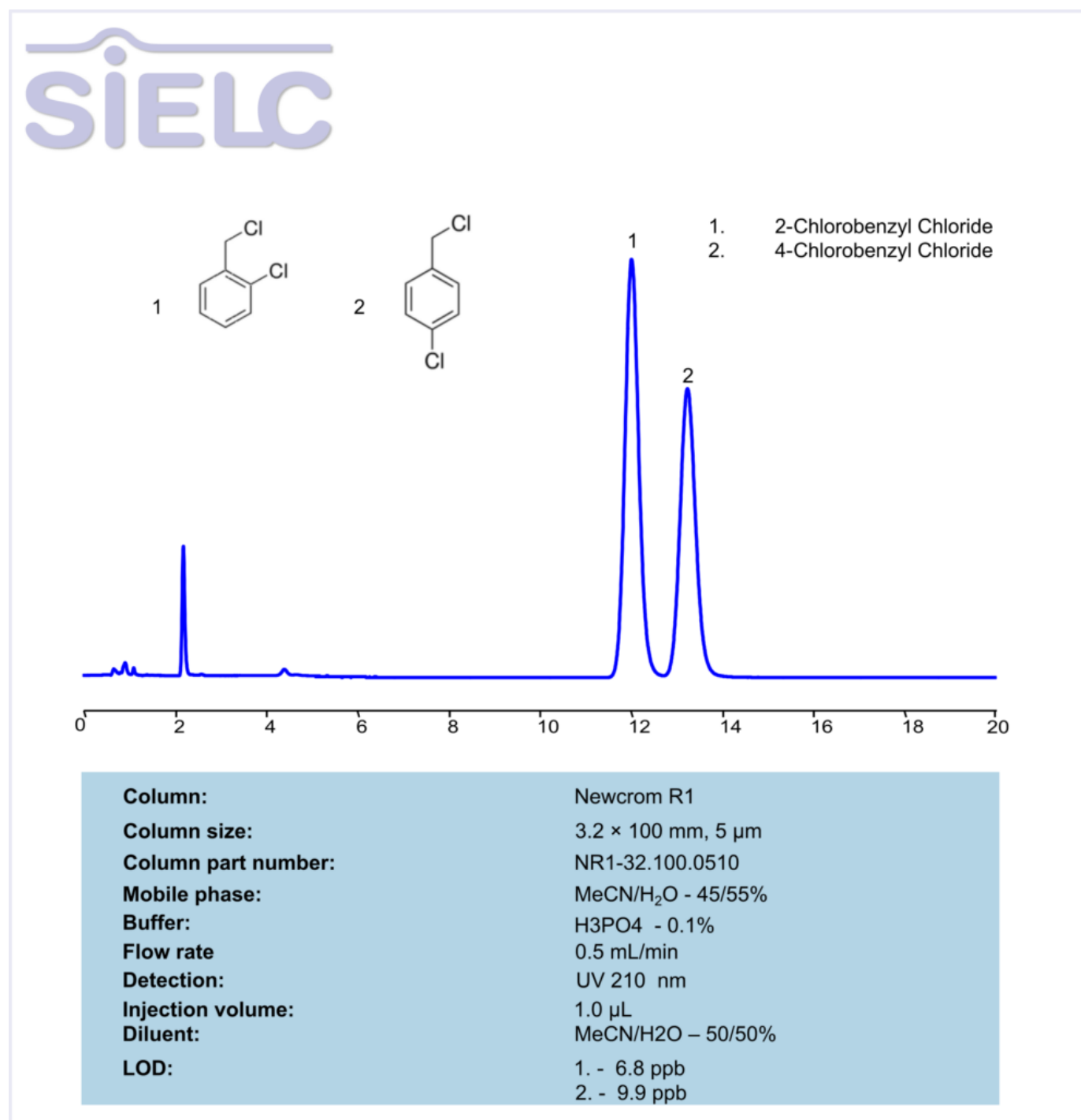


HPLC Method for Analysis of 2-Chlorobenzyl Chloride and 4-Chlorobenzyl Chloride on Newcrom R1 Column

<https://sielc.com/hplc-ms-method-2-chlorobenzyl-chloride>

Chromatogram



Description

High Performance Liquid Chromatography (HPLC) Method for Analysis of 2-Chlorobenzyl chloride , 4-Chlorobenzyl chloride

2-Chlorobenzyl Chloride Pharmaceutical intermediate – used to build drugs with chlorinated aromatic structures.

Agrochemicals – precursor for pesticides and herbicides. · Organic synthesis – for introducing a 2-chlorobenzyl group via nucleophilic substitution. · Dyes and pigments – used in manufacturing colorants.

4-Chlorobenzyl Chloride Pharmaceuticals – key building block for antihistamines, antidepressants, etc.

Polymer chemistry – used to modify or crosslink polymers.

Method Parameters

Mobile Phase	MeCN -45%
Buffer	H3PO4 – 0.1%
Flow Rate	1.0 ml/min
Detection	UV 210 nm
LOD	6.8 ppb, 9.9 ppb
Class of Compounds	Organic Halides (Alkyl Halides / Arylalkyl Halides)
Analyzing Compounds	2-Chlorobenzyl chloride, 4-Chlorobenzyl chloride

HPLC Column Used

Newcrom R1, 3.2 x 100 mm, 5 µm, 100 Å, dual ended

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)