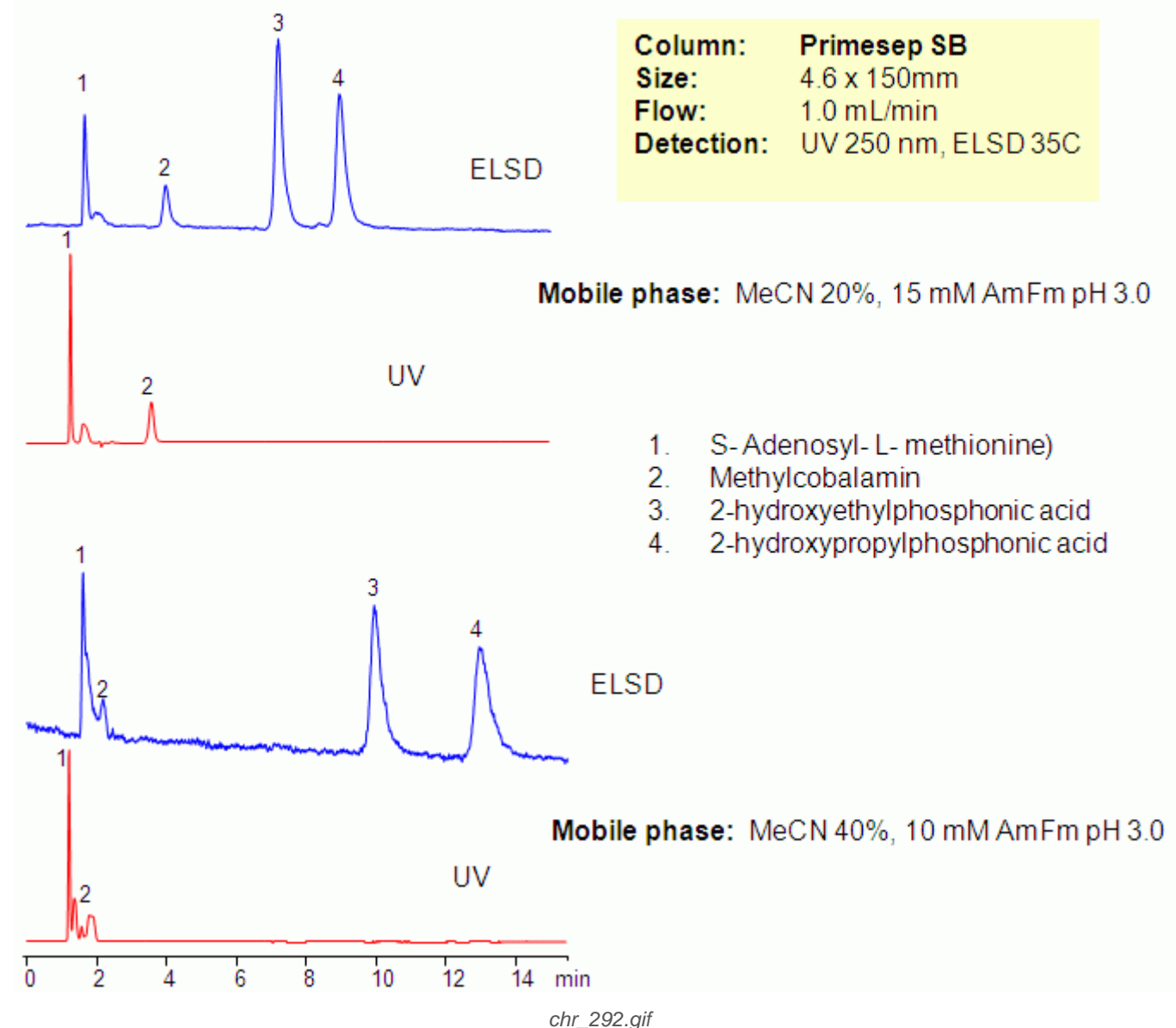


# HPLC Separation of 2-HEP and 2-HPP in the Presence of Methylcobalamin and Amino Acids

<https://sielc.com/Application-HPLC-Separation-of-2-HEP-and-2-HPP-in-the-Presence-of-Methylcobalamin-and-Amino-Acids>

## Chromatogram



## Description

Methylcobalamin, S-Adenosyl-L-methionine, 2-hydroxyethyl phosphonic acid, and 2-hydroxy propyl phosphonic acid were separated in reversed-phase anion-exchange mixed-mode on a Primesep SB HPLC column. Compounds are monitored by UV and ELSD. Method is compatible with LC/MS. Selectivity of separation is controlled by varying the amount of ACn buffer pH and buffer concentration.

## Method Parameters

<b>Mobile Phase</b>	MeCN – 20%
<b>Buffer</b>	AmFm

<b>Flow Rate</b>	1.0 ml/min
<b>Detection</b>	ELSD 35C, UV 250nm
<b>Class of Compounds</b>	Acid, Hydrophilic, Ionizable
<b>Analyzing Compounds</b>	S- Adenosyl- L- methionine, Methylcobalamin, 2-hydroxyethylphosphonic acid, 2-hydroxypropylphosphonic acid

#### HPLC Column Used

**Primesep SB, 4,6x150 mm, 5 µm, 100A**

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