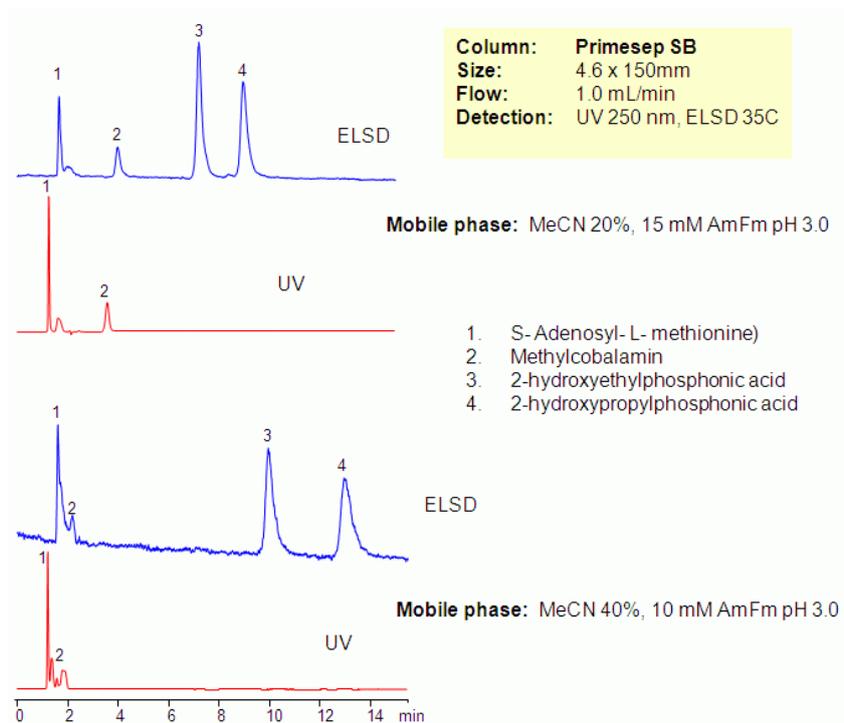


HPLC Separation of 2-HEP and 2-HPP in the Presence of Methylcobalamin and Amino Acids



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

Column	Primesep SB, 4,6x150 mm, 5 µm, 100 Å
Mobile Phase	MeCN – 20%
Buffer	AmFm
Flow Rate	1.0 mL/min
Detection	ELSD35C, UV 250 nm

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