The comparative characteristic of sorption by the supercrosslinked polystyrene and octadecylsilica gel from organic solutions of various chemical nature

© Ekaterina S. Tyrina, and Svetlana V. Kurbatova*+

Departement of Physical Chemistry and Chromatography. Samara State University.

Acad. Pavlov St., 1, Samara, 443011. Russia. Fax: +7 (846) 334-54-17. E-mail: curbatsv@ssu.samara.ru

*Supervising author; +Corresponding author

Keywords: high-performance liquid chromatography, supercrosslinked polystyrenes, octadecylsilica gel, composition of a mobile phase.

Abstract

Chromatographic retention of a number of organic aromatic compounds was investigated at various compositions of eluent on octadecylsilica gel and sorbents on the basis of the supercrosslinked polystyrenes. Comparison of the retention characteristics obtained experimentally on these sorbents was carried out. The comparative characteristics of retention derivatives under the reverse-phase and quasinormal-phase modes of high-performance liquid chromatography are given.