**Electronic supplementary information**

**POLYMERIC STATIONARY PHASES WITH VARIABLE  
POLARITY FOR GC SEPARATION OF AROMATIC  
COMPOUNDS AND THEIR SULFUR ANALOGS**

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**Table S1.** Model sorbates of the Rohrschneider model

|  |  |  |  |
| --- | --- | --- | --- |
| Model compound | Sorbent selectivity constants | Modelled groups of the compounds | Polymer-sorbate interaction |
|
| Benzene | 649 | aromatic and non-saturated hydrocarbons | π-complexation |
| Ethanol | 384 | alcohols, primary and secondary amines, fatty acids, ex. lower acids | hydrogen bonding with the electron-donor groups of the polymer |
| Butanone | 531 | ketones, aldehydes, esters and ethers, FAME | donor-acceptor complexation |
| Nitrobenzene |  | nitro, nitrile compounds, halogen derivatives of aromatic hydrocarbons | orientational and donor-acceptor complexation |
| Pyridine | 695 | aromatic amines, pyridines, heterocyclic basic compounds | hydrogen bonding with the electron-donor groups of the polymer, donor-acceptor complexation |