

**ION EXCHANGE OF TRACE CONTAMINANTS:
SOME OBSERVATIONS AND UNDERLYING MECHANISM**

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ABSTRACT

Sorption of synthetic aromatic anions, such as pentachlorophenate, naphthalene sulfonate, benzene sulfonate, onto polymeric anion exchangers in highly favourable and accompanied by positive entropy changes. The sorption affinity of a specific aromatic anion is strongly influenced by ion exchanger matrix and dielectric constant of the solvent.