

عنوان مقاله:

A comparative study of adsorption of pentafluorophenol onto granular, powdered and cloth activated carbon, from equilibrium and kinetics point of view

محل انتشار:

دوازدهمین سمینار شیمی فیزیک ایران (سال: 1388)

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خلاصه مقاله:

Activated carbon, the most important commercial adsorbent, is a carbonaceous material with a large surface area and high porosity. It is widely used in purification processes and water treatment. Phenolic compounds are considered to be one of the major and most undesirable pollutants in wastewater. Therefore removal of phenolic compounds is essential for purification of wastewaters as well as raw water. Pentafluorophenol has been used recently in several organic syntheses. Up to know there is no report about removal of pentafluorophenol from aqueous solutions. Adsorption of pentafluorophenol onto granular, powdered, and cloth activated carbons, has been investigated from both equilibrium and kinetics point of view.

کلمات کلیدی:

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