

饮用水中有机物的GC-MS分析测定

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收稿日期 2001-7-27 修回日期 网络版发布日期:

摘要 本文介绍了气相色谱-质谱联用法测定水中的有机物。水中有机物的富集采用XAD-2树脂吸附,经GC-MS定性、定量分析,检测出自来水中8种有机物,地下水中12种有机物。两种水中有机物总含量分别为56.0ng/L和61.0ng/L。

关键词 [水](#) [XAD-2树脂](#) [GC-MS](#)

分类号

GC-MS Analysis of Organic Substances in Drinking Water

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Abstract In this paper, the organic substances in drinking water were analyzed by GC-MS (Gas Chromatography/Mass Spectrometry). The sample was selected in two ways, one was from the tap water, and the other was from ground water. The samples were passed through the column, which was filled with XAD-2 absorbed resin and the column was rinsed by methane dichloro. The rinsed solution was concentrated by N₂. Nine compounds from tap water and ten ones from well water were separated and identified according to their mass spectra. The results showed that simple sample pretreatment and high recovery were proved.

Key words [water](#)[XAD-2 absorbed resin](#)[GC-MS](#)

DOI

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