

自来水中非挥发性氯化产物的GC/MS分析

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摘要 本文采用XAD-2和XAD-8(1:1)混合树脂现场富集采样,循环提取器提取,毛细管GC/MS定性的方法,通过对冬夏两季的采样分析,初步分析了某地自来(饮用)水中非挥发性有机氯化产物。从夏天自来水中检测出了28种有机氯化物。从冬天自来水中只检出了1种有机氯化物。

关键词 [非挥发性氯化产物](#) [自来水](#) [GC/MS分析](#)

分类号

Abstract Analysis of Nonvolatile Chlorinated Compounds in Tap Water by GC/MS\$\$\$\$Zhang Yinhu; Wen Gengfang; Wu Lingsong(Institute of Hydrobiology, Chinese Academy of Sciences, Wuhan 430072, China) Liu Shiliang; Zhang Huijuan; He Shangpu(School of Public Health, Tongji Medical University, Wuhan 430030, China) Received Abstract: The nonvolatile chlorinated compounds in tap water were investigated. The tap water samples were first enriched by XAD-2 and XAD-8 (1:1) mixed resins on-site and then extracted with CH₂Cl₂ and analyzed by capillary GC/MS. 28 chlorinated organic compounds were detected from summer sample and one from winter sample. 7 chlorinated organic compounds of them were derived from the N-phenyl-2-naphthylamine (PBNA) that often used in rubber, greases and oils as antioxidant. **Keywords:** nonvolatile chlorinated compounds, tap water, GC/MS analysis.

Key words

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