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基于色谱-质谱联用的新型有机污染物分析方法与技术

赵晓峰, 李云, 张海军, 倪余文, 陈吉平*

中国科学院大连化学物理研究所, 辽宁 大连 116023

Applications of chromatography-mass spectrometry for the an organic pollutants

ZHAO Xiaofeng, LI Yun, ZHANG Haijun, NI Yuwen, CHEN Jiping*

Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian 116023, China

摘要	参考文献	相关文章

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摘要 新型有机污染物是目前国内外关注的热点。在发现和分析新型有机污染物方面色谱-质谱联用技术发挥着至关重要的作用。本文
机污染物(全氟化合物、药物、饮用水消毒副产物、农药转化产物和新农药、溴化阻燃剂)的主要色谱-质谱联用技术进行了介绍和评价
质谱联用的发展趋势进行了展望。

关键词: 新型有机污染物 色谱 质谱 综述

Abstract：Emerging organic pollutants are becoming the focus of current research on environmental issues.
Chromatography coupled to mass spectrometry (MS) has played key roles in the discovery and analysis of em
organic pollutants. This review summarizes the developments in chromatography-MS techniques for five impor
emerging organic pollutants, including perfluorooctanoate/perfluorooctanesulfonate (PFOA/PFOS) and other
perfluorinated compounds, pharmaceuticals, drinking water disinfection byproducts, pesticide degradation pro
new pesticides, and brominated flame retardants. The future trends of chromatography-MS in this field are als
discussed.

Keywords： emerging organic pollutants chromatography mass spectrometry review

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