

Synthesis of Pa/AC Catalyst and Study on Detection of Trace Chlorine Pollutants in Recycled pulp by GC-MS/MS with Response Surface Optimized Carbon Skeleton Online Catalysis

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Abstract

Chlorinated aromatics and alkanes have important use value because of their flame retardancy, but they need to be monitored when used in recycled pulp. This paper reports the use of palladium acetate/ Activated carbon activated by nitric acid as an online catalyst in the determination of chlorinated aromatics and chlorinated alkanes in recycled paper products with Gas Chromatography-Tandem Mass Spectrometry method, by which significantly improves the sensitivity of the method and dramatically lowers the detection limits.

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