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Abstract

Biofilters are suitable to treat industrial emissions polluted with volatile organic compounds. This study investigates the selected ion flow tube mass spectrometer (SIFT-MS) as a new and fast analysis apparatus to determine the performance, the biokinetic parameters and the external porosity of a biofilter. The SIFT-MS was also used to obtain more information about mass transfer resistance and reaction limitation which can occur in bioreactors. Online analyses were performed on a biofilter packed

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