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POLYCYCLIC AROMATIC HYDROCARBONS AND ORGANOCHLORINE PESTICIDES CONTENTS IN TAP AND SURFACE WATERS

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Abstract

Polycyclic aromatic hydrocarbons (PAHs) and organochlorine pesticides (OCPs) contamination levels were determined in the water samples of Danube river (two sites in Romanian area), of one Romanian spring water (Pelisor), in tap water (from Constantza and from Borovetz) and sea water (the Black Sea and the Mediteranean Sea). These levels were compared to those available for other surface waters. The studied water samples were analyzed by gas chromatography with mass spectrometer detector (GC–MS) and by gas chromatography with electron capture detector (GC–ECD).

Key words: PAHs, OCPs, surface water, GC-ECD, GC-MS

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