

**EXISTENCE OF PRIORITY POLLUTANTS IN GREEK SURFACE WATERS  
AND LEGAL INSTRUMENTS FOR THEIR PROTECTION IN COMPLIANCE  
WITH 76/464/EEC DIRECTIVE**

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**ABSTRACT**

The occurrence of 92 toxic compounds, 64 of which belong to priority compounds of List II, candidates for List I, of 76/464/EEC Directive, was studied in surface waters and wastewater through the developed network of 62 sampling stations, which covers the whole Greek territory. The analytical determination was performed by Purge and Trap-Gas chromatography-Mass spectrometry for volatile and semivolatile organic compounds, Gas Chromatography-Electron Capture Detection for organochlorine insecticides, Gas Chromatography-Nitrogen Phosphorous Detection for organophosphorous insecticides, High Performance Liquid Chromatography for herbicides, Atomic Absorption Spectrophotometry for metals and organotin compounds. Water quality objectives (WQO) and Emission limit values (ELV) have been laid down in national legal framework for a number of compounds.