

## **DISINFECTION BY-PRODUCTS IN THE DRINKING WATER OF ATHENS**

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### **ABSTRACT**

An investigation into the occurrence of disinfection by-products (DBPs) was conducted in the drinking water of Athens. Twenty four compounds which belong to different categories of DBPs were studied, including trihalomethanes (THMs), haloacetic acids (HAAs), haloacetonitriles (HANs), halo ketones (HAKs), chloral hydrate (CH) and chloropicrin (CP). Sampling was performed monthly for a period of two years at the four water treatment plants (WTP) of Athens Water and Sewage Corporation. Samples were collected from three different points at each WTP and from eight points at the distribution network. The results of the analyses have shown the presence of disinfection by-products in all water samples collected after prechlorination.