

**THE EVALUATION OF ANALYSIS METHODS TO BE USED FOR MONITORING
OF THE WATER IN OUR COUNTRY WITHIN THE SCOPE OF EU WATER
FRAMEWORK DIRECTIVE FROM THE POINT OF PHYSICOCHEMICAL AND
CHEMICAL PARAMETERS**

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ANKARA-2014

EXPERTISE THESIS ABSTRACT

In this study, Water Framework Directive, numbered 2000/60/EC, the framework directive of European Union on the water quality and the issues about the monitoring of water quality according to Water Framework Directive have been mentioned and the scope of the “Regulations on Surface Water and Groundwater Monitoring”, in which implementation principles of Water Framework Directive are laid out at the national level in our Country, has been investigated in detail. Also, chemical monitoring parameters in the Annex 1 of the “Regulations on Surface Water and Groundwater Monitoring”, prepared in accordance with the Clause 8 and Annex V of the Water Framework Directive, have been examined and the parameter properties, analysis methods, principles of analytical devices and detection limits of the methods have been presented for each of 226 parameters by literature survey and by searching 365 analytical method.

Moreover, environmental quality standards determined for each parameter have been also listed in order to compare the method detection limits and environmental quality standards of related parameters.

This study would be a useful guidance document for the institutions carrying out water quality monitoring studies because it involves both detailed information about the parameters within the scope of Water Framework Directive and the information about the analysis methods playing key role in the determination of deficiencies for the present laboratory infrastructure.

Key Words: Chemical parameter, monitoring, analytical method.