

**QUALITATIVE DETERMINATION OF HAZARDOUS POLYCYCLIC
AROMATIC COMPOUNDS IN AQUATIC ENVIRONMENT WITH THE USE
OF LASER**

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ABSTRACT

Polycyclic aromatic hydrocarbons (PAHs) are among others responsible for the dramatic pollution of water ecosystems. PAHs occur mainly in industrial effluents and in leakages of crude oil from tankers. We present here emission spectra of several PAHs following their excitation with laser radiation at 337 nm and 355 nm, with the purpose to investigate their qualitative determination in mixtures. The method proved to be quick and exact, complementing the conventional ones.