

Occurrence of some metals in different marine water by FAAS

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Abstract This paper reports original data using atomic absorption spectrometry of Cd, Cu, Mn, Ni, and Zn detection after the selective extraction with ammonium pyrrolidine dithiocarbamate and MIBK. The samples were adjusted to pH 5 prior to extraction. The method has been applied to the determination of metals in seawater samples, picked from Black Sea, Aegean Sea and English Channel using flame atomic absorption spectrometry. The obtained data notice that studied metal concentrations are quite high, being in poor accordance with Romanian standard.

Keywords: FAAS, trace metal analysis, marine water, Cd, Cu, Mn, Ni, Zn.
