

Abstract

An atomic absorption spectrophotometric determination of mercury, lead, copper and zinc in fresh-water fishes from Ku-Muang Chiang Mai was carried out. After destruction of organic matters by wet oxidation, the metal contents in the samples were determined by conventional method and standard addition method. The mercury, lead, copper and zinc contents in the fish samples were found to be 0.00-1.60, 2.50-18.74, 1.56-14.00 and 8.12-23.74 $\mu\text{g/g}$ respectively. The relative standard deviations of the methods for determining mercury, lead, copper and zinc were 1.09%, 2.02%, 0.69% and 3.14% respectively.