

Mercury Detection in Two Fishes from the Persian Gulf

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Abstract : In 2013, 24 fish samples were taken from two fishery regions in the north of Persian Gulf near the Iranian coastal lines. The two flatfishes were Yellofin seabream (*Acanthopagrus latus*) and Longtail tuna (*Thannus tonggol*). We analyzed total Hg concentration of liver and muscle tissues by Mercury Analyzer (model LECO AMA 254). The average concentration of total Hg in edible Muscle tissue of deep-Flounder was measured in Bandar-Abbas and was found to be 18.92 and it was 10.19 $\mu\text{g.g}^{-1}$ in Bandar-Lengeh. The corresponding values for Oriental sole were 8.47 and 0.08 $\mu\text{g.g}^{-1}$. The average concentration of Hg in liver tissue of deep-Flounder, in Bandar-Abbas was 25.49 and that in Bandar-Lengeh was 12.52 $\mu\text{g.g}^{-1}$. the values for Oriental sole were 11.88 and 3.2 $\mu\text{g.g}^{-1}$ in Bandar-Abbas and Bandar-Lengeh, respectively.

Keywords : mercury, *Acanthopagrus latus*, *Thannus tonggol*, Persian Gulf

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