

**HEAVY METAL RESIDUES IN RAZOR CLAMS, SEA WATER,  
AND SEDIMENT FROM THE COASTAL AREAS OF  
SAMUT SONGKHAM PROVINCE, THAILAND**

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**ABSTRACT**

The concentrations of arsenic, zinc, and lead in razor clams ranged from 0.001-0.002 mg/kg, 14.4-24.5 mg/kg and 0.01-0.02 mg/kg respectively. Zinc and lead were found in sediment at concentrations of 0.3-0.85 and 0.01-0.045 mg/kg respectively. Arsenic, lead and zinc were found in sea water at 0.001-0.003 µg/l, less than 0.05 µg/l to about 50 µg/l and from ND to 0.02 µg/l respectively. However, the concentrations found in razor clams, were within the ranges considered safe for human consumption.