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DETECTION OF TNT AND RDX FROM UXOs IN MARINE ENVIRONMENTS WITH PASSIVE SAMPLING

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ABSTRACT

TNT and RDX along with other munitions compounds have been deposited in Marine Shelf systems for lack of a cost effective alternative. These unexploded ordinances (UXOs) linger in the environment with the potential for leakage and contamination of waters, sediments and fish stocks. Unfortunately there is no known rate of degradation of intact UXOs and the rates likely vary considerably with environmental conditions including temperature, salinity and REDOX. One limitation to understanding the fate of UXOs is the cost prohibitive nature of monitoring for leakage. Here we present data from passive sampling in a coastal marine system containing UXOs to demonstrate the efficacy of using these methods for the risk assessment at UXO dumping sites.



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