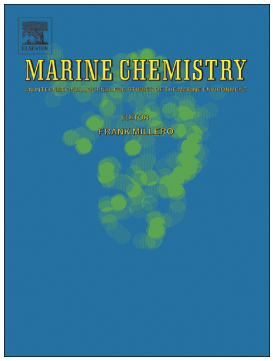

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Brian P. DiMento, Robert P. Mason

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Brian P DiMento* and Robert P Mason

University of Connecticut, Department of Marine Sciences, 1080 Shennecossett Rd, Groton, CT 06340, United States

Abbreviations

CH_3Hg, methylmercury; DOM, PAR, photosynthetically active radiation; dissolved organic matter; ROS, reactive oxygen species; DOC, dissolved organic carbon; SUVA, specific UV absorbance; LOC, low organic carbon; HOC, high organic carbon; LIS, Long Island Sound; ELIS, Eastern Long Island Sound; WLIS, Western Long Island Sound; NESB, New England shelf break

Keywords

Mercury; Methylmercury; Photochemical reactions; Demethylation

*Corresponding author

E-mail addresses: brian.dimento@uconn.edu (B.P. DiMento), robert.mason@uconn.edu (R.P. Mason)

ABSTRACT

Many studies have recognized abiotic photochemical degradation as an important sink of methylmercury (CH_3Hg) in sunlit surface waters, but the rate-controlling factors remain poorly