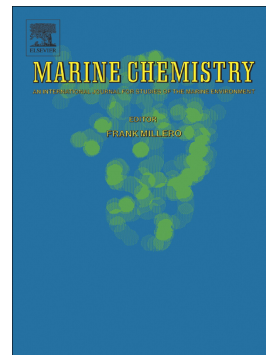


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## Factors controlling the photochemical degradation of methylmercury in coastal and oceanic waters

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### Abbreviations

CH<sub>3</sub>Hg, 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

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## ABSTRACT

Many studies have recognized abiotic photochemical degradation as an important sink of methylmercury (CH<sub>3</sub>Hg) in sunlit surface waters, but the rate-controlling factors remain poorly

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