

海洋堆積物中の有機炭素・窒素分析のための酸処理方法について

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Abstract

Routine analytical method of organic carbon and nitrogen in marine sediments were described, and results of the method were compared with those of acid wash-out method.

Samples were treated with *HCl* to remove carbonate within ceramic sample boats, by dropping *HCl* using microsyringe, and organic carbon and nitrogen were determined with Yanaco MT-5 CHN analyser. The method were applied to sand of tidal flat, silt of estuary, sediment trap particles and coralline samples. Precision (CV%) were 4~8% for organic carbon and 8~14% for nitrogen. 10 ~30% of organic carbon and nitrogen were lost by wash-out acid treatment.