

Ionic analysis of seawater and interstitial water in methane hydrate fields off Sain'in region of eastern Honshu, Japan

*Tatsuya Motegi¹, Naoto Ishida¹, Takao Ebinuma¹

1. Department of Management of Social Systems and Civil Engineering, Graduate School of Engineering, Tottori University

In order to assess geochemical condition, we measured dissolved ion of seawater and interstitial water in methane hydrate fields off San' in region of western Honshu, Japan. Sediment samples were obtained in Tsushima Basin, Yamato Basin and Oki Trough using in July 2016. The methane flux in study area is comparatively high. Although methane hydrate has not been recovered in study sites, methane hydrate is probably embedded in deeper horizons, as indicated by chloride concentrations.

Keywords: Methane hydrate, Interstitial water