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#### **Education History**

-Bachelor, Science University of Tokyo, 1997

-Doctor, The University of Tokyo, 2003

**SUBJECT:** Chemical Oceanography, Marine Biogeochemistry, Atmospheric Chemistry  
**SPECIALITY:** Chemical Oceanography and Marine Biogeochemistry; Volatile Organic Compounds in seawater and air; Aerosol Particles in Marine air; Iron solubility of Mineral Dust in Seawater

#### **CURRENT RESEARCH TOPICS:**

(1) Spatial Distributions of Volatile Organic Compounds (VOCs)

Methyl halides ( $\text{CH}_3\text{I}$ ,  $\text{CH}_3\text{Br}$ , and  $\text{CH}_3\text{Cl}$ ) distribution in NW Pacific, Indian, and Southern oceans.

Brominated VOCs ( $\text{CHBr}_3$ ,  $\text{CH}_2\text{Br}_2$ ,  $\text{CHBr}_2\text{Cl}$ ) in Oyashio-Kuroshio mixed water region.

Phytoplankton production of isoprene ( $\text{C}_5\text{H}_8$ ) in subtropical and subarctic waters.

(2) Chemical Property of VOCs in Seawater

Determination of Henry's Law constants of VOCs in seawater

#### **SELECTED PUBLICATIONS (2007-2011):**

1. A. Ooki and Y. Yokouchi, Sea-to-air flux of iodoethane ( $\text{C}_2\text{H}_5\text{I}$ ) in the Indian and Southern oceans based on partial pressure measurements and the Henry's law constant in seawater, *Geochemical Journal*, Vol.45, pp.e1-e7, 2011.
2. A. Ooki and Y. Yokouchi, Dichloromethane in the Indian Ocean: Evidence for in-situ production in seawater, *Marine Chemistry*, Vol.124, pp.119-124, 2011.
3. A. Ooki, A. Tsuda, S. Kameyama, S. Takeda, S. Itoh, T. Suga, H. Tazoe, A. Okubo, and Y. Yokouchi, Methyl halides in surface seawater and marine boundary layer of the Northwest Pacific, *Journal of Geophysical Research-Oceans*, doi:10.1029/2009JC005703, 2010.
4. A. Ooki, J. Nishioka, T. Ono, and S. Noriki, Size dependence of iron solubility of Asian mineral dust particles, *Journal of Geophysical Research-Atmospheres*, doi:10.1029/2008JD010804, 2009.
5. A. Ooki and Y. Yokouchi, Development of a Silicone Membrane Tube Equilibrator for Measuring Partial Pressures of Volatile Organic Compounds in Natural Water” *Environmental Science. & Technology*, doi:10.1021/es800912j, 2008.
6. A. Ooki, M. Uematsu, and S. Noriki, Size-resolved sulfate and ammonium measurements in marine boundary layer over the North and South Pacific. *Atmospheric Environment*, 41, 81-91, 2007.