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## **Abstract**

We studied ecological risk assessment in Tokyo Bay. DecaBDE environmental concentration analyzed by AIST-RAMTB (AIST - The Risk Assessment Model for Tokyo Bay). We set three resources (the atmosphere, major river and direct waste from sites) of DecaBDE loading fluxes. We targeted an evaluation object for diatoms, and endpoint was growth inhibition ( $EC_{50}: 1.0 \text{ mg} \cdot \text{L}^{-1}$ ). Uncertainty factor (UF) defined 10. The result was shown that there was no risk of DecaBDE in diatoms of Tokyo Bay.