

"constant flows" affect the diffusion of PCB, and that the difference in contamination patterns between each sea area results from bottom topography and tidal effect.

The sedimentary profiles of PCBs corresponding with historical input record were exactly similar to production and consumption data. The sedimentation rate at sampling site close to the PCB source was estimated about 17 mm/year. The congener distributions were similar between PCB products and environmental samples.

Detailed studies on the behavior of PCBs in environment must be requested to evaluate the transfer and diffusion of individual congeners inter-matrices.

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