

**CONCENTRATION AND CONGENER COMPOSITION OF PCBS IN AMBIENT AIR
– COMPARISON OF AMBIENT AIR OF JAPAN WITH THAT OF KOREA –**

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We compared Japanese ambient air with Korean ambient air in terms of concentration and composition of PCBs. The TEQ concentration of PCB in air of Japan and Korea ranged from 0.002 to 0.014 pgTEQ/m³ and from 0.003 to 1.01 pgTEQ/m³ respectively. Ambient air of Japan was different from that of Korea in composition of PCB homologue and isomers. We identified the specific congeners of flue gas samples of Japan and Kanechlor samples in previous study. Besides, we are researching for the flue gas samples of Korea. So we will present congener composition of PCBs and source analysis of PCBs in ambient air between Japan and Korea.

Keywords: PCBs, ambient air, composition, Japan, Korea