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Identification of sources and seasonal variability of organic matter in Lake Sihwa and surrounding inland creeks, South Korea

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Abbreviations¹

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¹ ANOVA: analysis of variance; COD: chemical oxygen demand; DOC: dissolved organic carbon; DOM: dissolved organic matter; DTN: dissolved total nitrogen; $\delta^{13}\text{C}$: stable carbon isotopic composition; $\delta^{15}\text{N}$: stable nitrogen isotopic composition; $\delta^{34}\text{S}$: stable sulfur isotopic composition; FLF: fulvic-like fluorescence; HIX: humification index; HLF: humic-like fluorescence; NBTOC₂₈: non-biodegradable total organic carbon within 28 days; PCA: principal component analysis; PLF: protein-like fluorescence; PN: particulate nitrogen; POC: particulate organic carbon; SIAR: Stable Isotope Analysis in R; THLF: terrestrial humic-like fluorescence; TOC: total organic carbon; TPLMS: total pollution load management system.

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