

Determination of polycyclic aromatic hydrocarbons in suspended solid from Pengkalan Chepa River, Kelantan, Malaysia, based on weather condition

ABSTRACT

Pengkalan Chepa River is located in the urban area that receives pollution loads from surrounding area, sewage treatment and industrial garages and workshops. This research focuses on the determination of PAHs in suspended solid in Pengkalan Chepa River during rainy day, rainy season and sunny day. Total concentrations of PAHs in suspended solid in rainy day ranged from 323.5 to 1,153.1 ng/g while 7,421.261,786.71 ng/g in rainy season and 353.76560.8 ng/g in sunny day.

Keyword: Pengkalan Chepa River; PAHs; Suspended solid; Weather condition