

Lima, A.L., Farrington, J.W., and Reddy, C.M., *Combustion-derived polycyclic aromatic hydrocarbons in the environment – A review*, *Env.Forensics*, 2005; v6, 109-131

Combustion processes are responsible for the vast majority of the polycyclic arom. hydrocarbons (PAHs) that enter the environment. This review presents and discusses some of the factors that affect the prodn. (type of fuel, amt. of oxygen, and temp.) and environmental fate (physicochem. properties, biodegrdn., photodegrdn., and chem. oxidn.) of combustion-derived PAHs. Because different combustion processes can yield similar assemblages of PAHs, apportionment of sources is often a difficult task. Several of the frequently applied methods for apportioning sources of PAHs in the environment are also discussed.