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Polynuclear Aromatic Compounds: Part 4: Bitumens, Coal

Chapter 5.9 Polycyclic aromatic hydrocarbons (PAHs) General description Polycyclic aromatic hydrocarbons (PAHs) are a large group of organic compounds with two or more fused aromatic rings. They have a relatively low solubility in water, but are highly lipophilic. Most of the PAHs with low vapour pressure in the air are adsorbed on particles.

Chapter 5.9 Polycyclic aromatic hydrocarbons (PAHs)

A polynuclear aromatic hydrocarbon is a hydrocarbon made up of fused aromatic ring molecules. These are rings which share one or more sides and contain delocalized electrons. Another way to consider PAHs is molecules made by fusing two or more benzene rings. Polynuclear aromatic hydrocarbon molecules only contain carbon and hydrogen atoms.

What Is a Polynuclear Aromatic Hydrocarbon? - ThoughtCo

Polycyclic aromatic hydrocarbons (PAHs, also polyaromatic hydrocarbons or polynuclear aromatic hydrocarbons) are hydrocarbonsâ€”organic compounds containing only carbon and hydrogenâ€”that are composed of multiple aromatic rings (organic rings in which the electrons are delocalized).

Polycyclic aromatic hydrocarbon - Wikipedia

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Polynuclear Aromatic Compounds - Advances in Chemistry

Polynuclear aromatic hydrocarbons are a class of organic compounds produced by incomplete combustion or high-pressure processes and are a large group of organic compounds with two or more fused aromatic rings. Polynuclear aromatic hydrocarbons (PNAs) are known by several names: (1) polynuclear aromatic hydrocarbons, PAHs; (2) polynuclear hydrocarbons, PHs; and (3) polycyclic organic matter, POM (Bjorseth, 1983; Neilson, 1998; Fetzer, 2000).

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