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 Energy and Power Production ■ Fuels

Trace Element and Polycyclic Aromatic Hydrocarbon Analyses of Jet Engine Fuels: Jet A, JP5, and JP8

 Authors: [L. A. Shumway](#); [SPACE AND NAVAL WARFARE SYSTEMS CENTER SAN DIEGO CA](#)

Abstract: This Technical Report analyzes four fuel samples: one sample of commercial Jet A (Jet Aviation) fuel, one sample of JP8 fuel, and two samples of JP5 fuel. The samples were analyzed for elements and Polycyclic Aromatic Hydrocarbons (PAHs). A larger database would enable definition of a range of typical element and PAH values in jet fuel. It would also help determine which elements in the fuels are present as delivered from the refinery or are introduced as storage and delivery system contaminants.

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