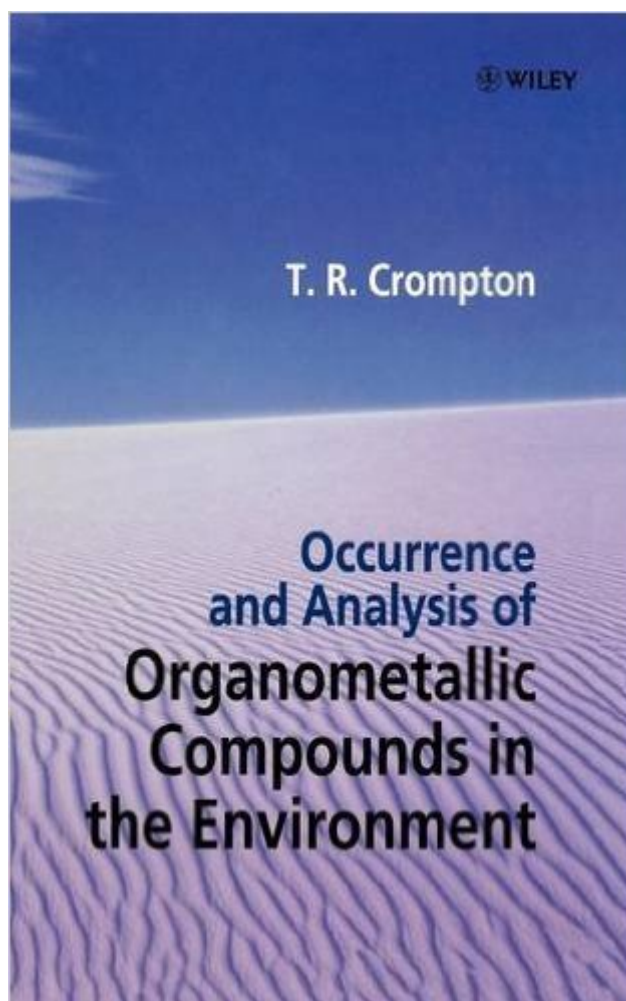


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Occurrence And Analysis Of Organometallic Compounds In The Environment



Synopsis

This book examines the occurrence, toxicity, analysis and typical concentrations of organometallic compounds in various environmental samples. These include aqueous and effluent, crop and plant, soil and sediments, atmospheric and living organisms in a detailed and systematic manner. A knowledge of the chemical structure and concentration of organometallic compounds throughout the ecosystem is important in working out the pathways and mechanisms by which metals distribute themselves throughout the environment. The principal elements discussed are mercury, lead, tin and arsenic. Other organometallic compounds, including cadmium, antimony, selenium, germanium, manganese, copper and nickel, which occur in the environment less frequently and at lower concentrations are also discussed. Contents * Introduction * Concentrations of Organometallic Compounds in the Ecosystems * Toxic Effects of Organometallic Compounds * Toxicity Testing * Bioaccumulation Processes * Analysis of Organometallic Compounds in the Environment Occurrence and Analysis of Organometallic Compounds in the Environment is essential reading for all organometallic and analytical chemists, environmentalists, and toxicologists working in the field.

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