



Description, Properties, and Degradation of Selected Volatile Organic Compounds Detected in Ground Water, a Review of Selected Literature: Usgs Open-File Report 2006-1338

By Stephen J Lawrence

Bibliogov, United States, 2013. Paperback. Book Condition: New. abridged edition. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This report provides abridged information describing the most salient properties and biodegradation of 27 chlorinated volatile organic compounds detected during ground-water studies in the United States. This information is condensed from an extensive list of reports, papers, and literature published by the U.S. Government, various State governments, and peer-reviewed journals. The list includes literature reviews, compilations, and summaries describing volatile organic compounds in ground water. This report cross-references common names and synonyms associated with volatile organic compounds with the naming conventions supported by the International Union of Pure and Applied Chemistry. In addition, the report describes basic physical characteristics of those compounds such as Henry's Law constant, water solubility, density, octanol-water partition (log K_{ow}), and organic carbon partition (log K_{oc}) coefficients. Descriptions and illustrations are provided for natural and laboratory biodegradation rates, chemical by-products, and degradation pathways.

Reviews

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