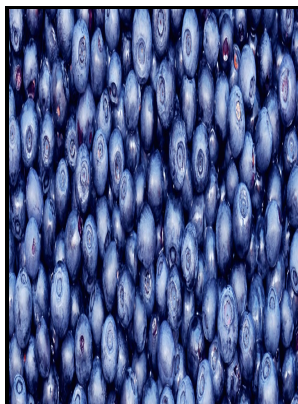


Perchlorate ecotoxicology

SETAC Press - Dr. Ron Kendall



Description: -

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Water -- Purification -- Perchlorate removal

Perchlorates -- Toxicology

Perchlorates -- Environmental aspects Perchlorate ecotoxicology

-Perchlorate ecotoxicology

Notes: Includes bibliographical references and index.

This edition was published in 2006



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Tags: #Validation #data #for #the #determination #of #perchlorate #in #water #using #ion #chromatography #with #suppressed #conductivity #detection

Ecotoxicological assessment of perchlorate using in vitro and in vivo assays

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Validation data for the determination of perchlorate in water using ion chromatography with suppressed conductivity detection

ClO₄ - has a conspicuous inhibition of electron transport chain activity which largely correlated to complexes I and IV.

Perchlorate

Dirtu, Nele Van den Eede, Govindan Malarvannan, Alin C. The aim of this study was to evaluate the adverse effects of KClO₄ exposure on different cell lines, HEK, N2a, and 3T3, as well as in ecological models such as *Vibrio fischeri*, *Pseudokirchneriella subcapitata*, *Daphnia magna*, and *Eisenia fetida*. Table summarizes the respective data.

Journal of Environmental Chemistry and Ecotoxicology

Journal of Materials Chemistry C 2016, 4 31 , 7420-7429. Notably, perchlorate reduction rates in the BES were comparable to those obtained in the presence of acetate, the physiological electron donor for these microorganisms. Development of a multiplex quantitative PCR assay for eyeworm *Oxyspirura petrowi* and caecal worm *Aulonocephalus pennula* detection in Northern bobwhite quail *Colinus virginianus* of the Rolling Plains ecoregion, Texas.

Perchlorate

Environmental Politics 2006, 15 4 , 532-549.

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