



Contribution ID: 388

Type: Poster

【225】 Evaluation of ethyl tert-butyl ether biodegradation in a contaminated aquifer by compound-specific isotope analysis and in situ microcosms

Wednesday 23 August 2017 12:34 (1 minute)

Ethyl tert-butyl ether (ETBE) is an upcoming groundwater pollutant in Europe whose environmental fate has been less investigated, thus far. In the present study, we investigated the in situ biodegradation of ETBE in a fuel-contaminated aquifer using compound-specific stable isotope analysis (CSIA), and in situ microcosms in combination with total lipid fatty acid (TLFA)-stable isotope probing (SIP).

Authors: Dr BOMBACH, Petra (UFZ-Helmholtz Centre for Environmental Research; Department of Isotope Biogeochemistry); Mr NÄGELE, Norbert (Kepler, Ingeniería y Ecogestión, S.L.); Dr MONICA ROSELL (Isodetect GmbH Leipzig); Dr RICHNOW, Hans H. (UFZ-Helmholtz Centre for Environmental Research, Department of Isotope Biogeochemistry); Dr FISCHER, Anko (Isodetect GmbH Leipzig)

Presenter: Mr NÄGELE, Norbert (Kepler, Ingeniería y Ecogestión, S.L.)

Session Classification: Poster Session

Track Classification: Earth, Atmosphere and Environmental Physics