JOURNAL OF

## Contaminant Hydrology



ELSEVIER

VOL. 170 CONTENTS 1 DECEMBER 2014

(Abstracted/Indexed in: AGI's Bibliography and Index of Geology; AGRICOLA; Cambridge Scientific Abstracts; Chemical Abstracts/CAS; Current Contents/Agriculture, Biology & Environmental Sciences; Elsevier BIOBASE/Current Awareness in Biological Sciences; Engineering Index; Environmental Abstracts; Environmental Periodicals Bibliography; Excerpta Medica; Geo Abstracts; Irrigation, Drainage Abstracts; PASCAL; Research Alert; Science Citation Index; SciSearch. Also covered in the abstract and citation database Scopus<sup>®</sup>. Full text available on ScienceDirect<sup>®</sup>.)

Nickel adsorption on chalk and calcite	
D.A. Belova, L.Z. Lakshtanov, J.F. Carneiro and S.L.S. Stipp	1
Effect of gas pressure on the sealing efficiency of compacted bentonite-sand plugs	
J.F. Liu, C.A. Davy, J. Talandier and F. Skoczylas	10
Motile Geobacter dechlorinators migrate into a model source zone of trichloroethene dense non-aqueous phase	
liquid: Experimental evaluation and modeling	
J. Philips, A. Miroshnikov, P.J. Haest, D. Springael and E. Smolders	28
Infiltration and evaporation of small hydrocarbon spills at gas stations	
M. Hilpert and P.N. Breysse	39
Consequences of varied soil hydraulic and meteorological complexity on unsaturated zone time lag estimates	
S.E. Vero, T.G. Ibrahim, R.E. Creamer, J. Grant, M.G. Healy, T. Henry, G. Kramers, K.G. Richards and O. Fenton	53
Degradation kinetics of chlorinated aliphatic hydrocarbons by methane oxidizers naturally-associated with	
wetland plant roots	
C.L. Powell, M.N. Goltz and A. Agrawal	68
Influence of mineral colloids and humic substances on uranium(VI) transport in water-saturated geologic porous media	
Q. Wang, T. Cheng and Y. Wu	76
Evaluation of leaching potential of three systemic neonicotinoid insecticides in vineyard soil	
S. Kurwadkar, R. Wheat, D.G. McGahan and F. Mitchell	86
Architecture, persistence and dissolution of a 20 to 45 year old trichloroethene DNAPL source zone	
M.O. Rivett, R.A. Dearden and G.P. Wealthall	QF

Available online at www.sciencedirect.com

## **ScienceDirect**



0169-7722(20141201)170C:1-2

http://www.elsevier.com/locate/jconhyd