ABSTRACT:

The goal of the bachelor thesis was the determination of toxicity of fluorotelomer alcohols. The toxicity was measured as ET_{50} by the oligochaete *Tubifex tubifex*. This test belongs to group of alternative methods which are faster and cheaper but they provide reliable data as well as the presently used classical methods. ET_{50} is the exposure time when 50 % of *Tubifex tubifex* individuals stop moving. EC_{50} of magnese chloride dihydrate was measured for the control of its correctness of determination and its acute toxicity indice is equal to $EC_{50} = -0.845 \pm 0.033$ [log (mmol/l)]. $EC_{50} = -0.845 \pm$

KEY WORDS:

fluorotelomer alcohols, alternative method, Tubifex tubifex