Confidential

Supervisor´s Review of USB RIFCH PhD Thesis

Surname of the PhD student: Beránková	Name of supervisor: **Prof.MVDr. Zdeňka Svobodová, DrSc.**
Title of PhD thesis: **Genotoxic potential of foreign substances in ecosystems of surface waters**	

OVERALL COMMENTARY ON THE PhD THESIS

Mgr. Petra Beránková is a graduate of Masaryk University Brno- specialization Ecotoxicity. Her studies were finished by the defense of her thesis Genotoxic potential of airsamples by eucarioticmodel. In 2006 she started work at the Department of aquatic toxicology and fish diseases of Research Institute of Fish Culture and Hydrobiology in Vodňany as a student of doctoral study. She used her experience gained during the work on her thesis for solving the PhD Thesis focused on genotoxic potencial assessment of foreign substances in ecosystems of surface waters. She paid her attention to different methods of extraction and their effect on genotoxicity tests results. She compared the genotoxic potencial assessment with results of classical tests of acute toxicity. The method of genotoxic potencial assessment was used at the sediment assessment of the Klenice river contaminated by waste waters from the motor industry production plant.

These PhD Thesis includ two scientific publications paying attention to assessment of genotoxic potential of aquatic environment. The results of this work indicates that the tests above could be a suitable extension of the file of methods that has been used for assessment of water contamination so far. I recommend the thesis to the defense and after that succesful defense titling Ph.D.

FINAL RECOMMENDATION

☐ **can be recommended for defence of PhD Thesis**
☐ **can be recommended with reservations for defence of PhD Thesis**
☐ **can not be recommended for defence of PhD Thesis**

29.4. 2011
....
Date and place

....
surname and signature