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TRANSFER OF SVOCs FROM CONSUMER PRODUCTS INTO HOUSE DUST

Vilma Sukiene

Safety and Environmental Technology Group
Supervisor: Prof. Dr. Konrad Hungerbühler
Co-examiners: Prof. Dr. Rudiyanto Gunawan
und Dr. Natalie von Götz

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Project Summary: Via house dust humans can be exposed to chemicals that readily sorb to dust. However, it is not known which chemical substances are efficiently sorbed to make exposure via dust a relevant exposure pathway in comparison to other more direct pathways (e.g. inhalation of air). In two small-scale field studies under controlled conditions deuterium-labelled semivolatile organic compound (SVOCs) transfer from artificial products into house dust was investigated. The direct transfer of substances from products into house dust in direct contact to the source was investigated in comparison to the transfer via indoor air. Obtained measurement data was used to evaluate a recently developed human exposure model.

CV: I obtained a Bachelor (2010) and Maser's degree (2012) in Chemical Engineering with major in Biotechnology at Kaunas University of Technology, Lithuania. During my master studies I was also working as a technician in a biotechnology company on a part-time basis. In 2013 I have started my PhD studies in the Safety and Environmental Technology Group.