

Migration Pathways to the environment – "Horizon Scanning" for flame retardants present in consumer goods and construction materials. ESR1

At UA, a broad range of commonly used consumer goods (electronics, furniture, carpets, curtains, plastic toys etc.) and building construction materials will be investigated using screening tools such as GC-MS and LC-TOFMS. The principal focus will be on identifying and quantifying FRs hitherto either un- or rarely-detected in the environment. Any such "emerging" FRs detected in products will be screened for their presence in indoor air and dust. The project will also highlight and provide analytical methods for measuring "emerging" FRs that, where feasible, will be investigated by other trainees involved in the INFLAME network. Moreover, the project will also conduct studies to estimate leaching of FRs present in hard plastic toys as a result of "mouthing" by infants and toddlers.