



Invitation and program

NORMAN 1st interlaboratory study

on the analysis of PFRs

Aim

The aim of the first interlaboratory study on the analysis of organic phosphorous flame retardant (PFR) in environmental and dust samples is to transfer knowledge on PFR analysis between laboratories, and to investigate how well the laboratories perform.

Set-up of the ILS

The interlaboratory study (ILS) on PFR analysis will start with a one-day workshop (9 December 2011) to discuss the analytical challenges and methods. Aspects that will be addressed are:

- What are the critical parameters in PFR analysis?
- How can we reduce background contamination?
- What is the preferred method of analysis, GC-MS or LC-MS.

The following three matrices will be analysed in triplicate:

- Standard solution
- Sediment
- Fish
- Dust

The following PFRs will be analysed:

1. Tri-n-iso-butyl phosphate (TiBP)
2. Tri-n-butyl phosphate (TBP)
3. Tris(2-chloroethyl) phosphate (TCEP)
4. Tris(chloro-2-propyl) phosphate (TCPP)
5. Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)
6. Tris(2-ethylhexyl) phosphate (TEHP)
7. Tris(2-butoxyethyl) phosphate (TBEP)
8. 2-ethylhexyl diphenyl phosphate (EHDP)
9. Tri-cresyl phosphate (TCP)
10. Tri-phenyl phosphite (TPP)

Schedule planned for the exercise

9 December 2011: Workshop PFR analysis

31 December 2011: Deadline registration ILS

15 January 2012: Shipment of interlaboratory samples to participants

30 April 2012: Deadline for submitting result

15 June 2012: Reporting and distribution of report

June 2012: Meeting to discuss the report and results

Participation

If you want to participate, please fill out the registration form and forward to Sicco Brandsma of IVM (Sicco.Brandtsma@ivm.vu.nl) **before 31 December 2011**. Participation costs for the ILS is 295 euro.