Comparison of pesticide monitoring techniques using passive sampling and automatic water samplers in a Swedish stream

Stina Adielsson & Jenny Kreuger Swedish University of Agricultural Sciences







- Regular monitoring since 2002
- Need simple monitoring method -WFD -Research
- 9 weeks parallell sampling



Passive sampler



Center for Chemical Pesticides



50 pesticides analysed





Passive sampling found 8 substances

















Total concentration of pesticides per sample (lowest common LOQ)





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Total concentration of pesticides per sample (lowest common LOQ)





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Conclusions

- Promising method in need for improvement
 - False positives
 - Little correlation in terms of concentrations
 - Lower LOQ (limit of quantification)
 - More relevant pesticides



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