

NORMAN Collaborative Trial

Suspect screening in biota

Application of wide-scope suspect screening to compare sample preparation techniques for suspect screening workflows

We would like to invite you to participate in a collaborative trial on non-target / suspect screening in biota to study the application of wide-scope suspect screening to compare sample preparation techniques for suspect screening workflows.

This collaborative trial is organised by the Swedish University of Agricultural Sciences in collaboration with Stockholm University, Umeå University and Environmental Institute, as part of the NORMAN Association (www.norman-network.net) as part of the NORMAN 2019 Joint Programme of Activities (JPA 2019).

What will be analysed

- a) Whole fish homogenates (freeze-dried samples) from a contaminated and a reference site (e.g. upstream vs downstream);
- b) Whole fish homogenates (freeze-dried samples) non-spiked and spiked with ca. 50 emerging organic micropollutants. Of the fortified substances, 10 will be known by the participants in advance for control purposes, while the remaining 40 substances will be up to study participants to identify.

Aim of the trial

The aims of this study are:

- a) To compare non-target and suspect screening workflows;
- b) To investigate the performance of the sample preparation methods with the aim of reaching common agreement about a harmonised sample preparation protocol;
- c) To reveal the range of chemicals detectable in fish tissues.

Extraction method

You are very welcome to use your in-house extraction method (which needs to be reported to us at a later date). If you do not have a method at hand, we will provide you with a detailed protocol for sample preparation that you can use for either LC or GC purposes. Please indicate in the registration form below if you want to use your own method, and if so, how much sample you need.

Time plan:

- Whole fish homogenates (freeze-dried samples) and reporting protocols will be sent to the participants: End of September 2019
- Deadline for the report from participants is: End of December 2019
- Data evaluation will be carried out spring to summer 2020
- Final workshop is planned for autumn 2020

Participation and registration

If you wish to participate, please **register on:**

https://docs.google.com/forms/d/e/1FAIpQLSdEKK6PhZloh12gNceDkiw6AMfX7Ne7_rjVnY9C31doNTjbw/viewform?usp=pp_url

before **10 April 2019**.

Contact

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