



**INNOVATION  
APPLICATION**

**FORMATION**

**CARACTERISATION**

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**Agréments formation**

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NAF 7490B –

VAT FR 81437950173

## **ROUND ROBBIN TEST : ISO 10993-18 (2020) SVOC and NVOC extractables**

### **Protocol**

A catheter tube will be extracted by ethanol 50% and hexane during 72 hours at 50°C (ratio 3 cm<sup>2</sup>/ml). Extractions will be performed by RESCOLL (duplicates for each solvent and sufficient volume for all participants). 2 different vials of each extract (2ml-vial) and the corresponding analytical blanks will be sent to all participants just after extraction (within 24 hours).

Each extract will be analyzed by GCMS (electronic impact) and UPLC-MS (ESI, positive). Each laboratory will provide :

- Equipment's used
- Number of detected substances per method
- Substance's identification using current and/or in-house libraries
- Semi-quantification (for each substance, the reference standard used will be reported)
- Limits of quantification of the methods.

All results (including, if necessary, chromatograms and mass spectra) will be sent to RESCOLL.

As the extracts are not reference / traceable solutions and as methods are not normalized, several parameters will be compared in order to evaluate laboratories performance :

- Number of substances identified by all laboratories,
- % of similar identified substances,
- % of substances quantified within 2 standard deviations.

### **Schedule**

Registration	Before 2022/04/30
Sample shipment	2022/05/15
Analysis realization	Within one week after sample shipment
Reporting test results	2022/06/15
IEL report	2022/07/30

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