

SAM-PRA-041

SAMPLE PREPARATION

The special case of pesticides

- **Context**

In order to perform a multiresidue analysis of pesticides in foodstuff, the QuEChERS method was developed several years ago by M Anastassiades et al. (2003, J.AOAC Internat., 86, 412-431) and since then, there have been numerous adaptations and modifications.

- **General objective(s)**

To present a sample preparation approach developed to be as streamlined as possible by avoiding complicated and time consuming analytical steps.

- **Main items**

QuEChERS / Internal standard / dispersive SPE

- **Pedagogical objectives**

- ✓ To be able to carry out all the QuEChERS methodology
- ✓ To have a good understanding of the aim of each step of preparation

- **Pedagogical tools**

- ✓ Real samples
- ✓ Shaking/centrifugation/extraction/single partitioning
- ✓ Dispersive SPE

- **Duration**

- ✓ 1 hour

- **Pre-requisite**

- ✓ Theoretical lecture on sample preparation for pesticides (SAM-THE-041)