

SAM-THE-010

Sample Preparation Part I. Introduction and Decision Tree

• Context

Taking into account the wide range of residues and contaminants from a chemical point of view associated to the complexity and heterogeneity of matrices that may be concerned (biological matrices, raw or processed materials), it becomes obvious that strategies, based on the knowledge of both target compound chemistry and material, have to be set up in order to ensure appropriate and efficient sample preparation.

• General objective(s)

The objectives of this introduction course is to heighten trainees awareness on the necessity to set up sample preparation strategies based on both the knowledge of the target analyte chemistry and the matrix that it must be extracted from.

• Main items

Identification of key steps in sample preparation protocol/decision tree.

• Pedagogical objectives

- ✓ To identify the wide range of chemical properties encountered in residues and contaminants analysis
- ✓ To identify the wide range of matrices encountered in residues and contaminants analysis
- ✓ To list the different steps of the sample preparation process/strategy

• Pedagogical tools

- ✓ Slide show

• Duration

30 minutes

• Pre-requisite

- ✓ Knowledge of the chemistry of residues and contaminants of interest (REG-THE-010)