

3:

Different demands are put on sample preparation

Assign the demand goal to its proper procedure from the below given table (numbers 1 – 5) and explain your decision.

Procedure:

1. Detaching the matrix by extraction of the analyte
2. Heating by microwave oven instead by hot plate
3. Detaching the residue and executing a fusion melt
4. Increasing the weight of sample taken/ reducing the solvent amount
5. Usage of PTFE vessels

Demand	Procedure	Explanation
Reduction of time		
Prevention of contamination		
Reduction of noise		
Improvement of detection limit		
Complete dissolution of the sample		

8:
Name **five** sampling devices and the appropriate field of application

Sampling device	Field of application