DETERMINATION OF SULPHUR DIOXIDE

QUESTIONNAIRE

The questions below should be answered by laboratories wanting to participate in the preparatory programme. The reason for this questionnaire is that the CPA otherwise will not be able to evaluate the comparability of sampling and chemical analysis carried out at the different laboratories.

LOCATION OF STATIONS

1. You are asked to send a map indicating the location of the stations and a description and a photograph of the stations and the nearest surroundings.

SAMPLING EQUIPMENT

2. If different equipment is used for the stations, the questions below should be answered separately for each station.

2.1. Pump

Give manufacturers name, type, number and short description.

2.2. Bubler

Give a drawing or photograph made to scale and specify material (pyrex, polyethylene, teflon, etc.) If a commercial type is used, give manufacturers name and type number.

2.3. Filter holder

Give drawing or photograph made to scale and specify construction material. If a commercial type is used, give manufacturers name, type and number.

2.4. Air intake

Give drawing or photograph made to scale and specify material.

2.5. Connections
Give length, diameter and material used in all tubings. This should include short connections.

2.6. Filter
State which type of filter is used.

2.7. Absorbant
State the composition of the absorbant used in the bubler.

2.8. Sequentializing
Give brief description of arrangement used to obtain sequential samples. Give manufacturers name and identification data for any gas valves, if used.

2.9. Assembly
Give photograph or drawing to scale which shows the assembly of the instrument.

CHEMICAL ANALYSIS

3. In the following the equipment used to perform the Thorin analysis should be specified.

3.1. Colorimeter (spectrophotometer)
Give manufacturers name and type identification. Cell dimensions.

3.2. Autoanalyser (if used)
Give manufacturers name and type identification. Also send copy of instruction manual, or reference.

3.3. Chemicals
Give manufacturers name and purity grade of reagents.

3.4. Storage of samples
Specify materials in sample containers. Sample collection routine, storage conditions, and storage time from sampling to analysis.

4. INITIATION OF THE PROGRAMME

4.1. Sampling

From what date will your sampling stations be in operation?
If you are not able to start measurements before 1st November, give a brief summary of the difficulties.

If your stations are in operation already, on which points do you have to make alterations to operate the stations according to the specifications in this programme.

4.2. Standard samples

From what date will you want standard samples from the CPA.

4.3. Exchange of samples

From what date will you be able to send 5 ml samples and filters to the CPA?

4.4. Problems

If you have serious problems not mentioned here, give a brief description of these problems and if possible indicate how they could be solved.