

## SCHEDULE 8

Regulation 9(13)

### REFERENCE METHODS FOR ASSESSMENT OF CONCENTRATIONS OF RELEVANT POLLUTANTS AND OZONE

#### PART I

##### *Reference method for the analysis of sulphur dioxide*

ISO/FDIS 10498 (Standard in draft) Ambient air—determination of sulphur dioxide—ultraviolet fluorescence method(1).

#### PART II

##### *Reference method for the analysis of nitrogen dioxide and oxides of nitrogen*

ISO 7996: 1985 Ambient air—determination of the mass concentrations of nitrogen oxides—chemiluminescence method(2).

#### PART IIIA

##### *Reference method for the sampling of lead*

The reference method for the sampling of lead will be that described in the Annex to Directive [82/884/EEC](#)(3) until such time as the limit value in Schedule 1 to these Regulations is to be met, when the reference method will be that for PM<sub>10</sub> specified in Part IV of this Schedule.

#### PART IIIB

##### *Reference method for the analysis of lead*

ISO 9855: 1993 Ambient air—Determination of the particulate lead content of aerosols collected in filters. Atomic absorption spectroscopy method(4).

#### PART IV

##### *Reference method for the sampling and measurement of PM<sub>10</sub>*

The reference method for the sampling and measurement of PM<sub>10</sub> will be that described in EN 12341 ‘Air Quality—Field Test Procedure to Demonstrate Reference Equivalence of Sampling Methods for the PM<sub>10</sub> fraction of particulate matter’(5). The measurement principle is based on the collection on a filter of the PM<sub>10</sub> fraction of ambient particulate matter and the gravimetric mass determination.

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(1) See footnote (a) to Part I of Schedule 7 above for location of ISO documents.

(2) See footnote (a) to Part I of Schedule 7 above for location of ISO documents.

(3) OJNo. L 378, 31.12.1982, p. 15.

(4) See footnote (a) to Part I of Schedule 7 above for location of ISO documents.

(5) European Standards Institute ‘CEN’ publication reference BSEN 12341, obtainable from the British Standards Institution: see footnote (a) to Part I of Schedule 7 above.

**Status:** This is the original version (as it was originally made).

## PART V

### *Reference method for the sampling and analysis of benzene*

The reference method for the measurement of benzene will be a pumped sampling method on a sorbent cartridge followed by gas chromatographic determination.

## PART VI

### *Reference method for the analysis of carbon monoxide*

The reference method for the measurement of carbon monoxide will be a non-dispersive infra-red spectrometric (NDIR) method.

## PART VII

### *Reference methods for the analysis of ozone and calibration of ozone instruments*

The reference method for analysis of ozone shall be the UV photometric method (ISO FDIS 13964 or equivalent).

The reference method for calibration of ozone instruments shall be the Reference UV photometer method (ISO FDIS 13964, VDI 2468, B1.6 or equivalent).