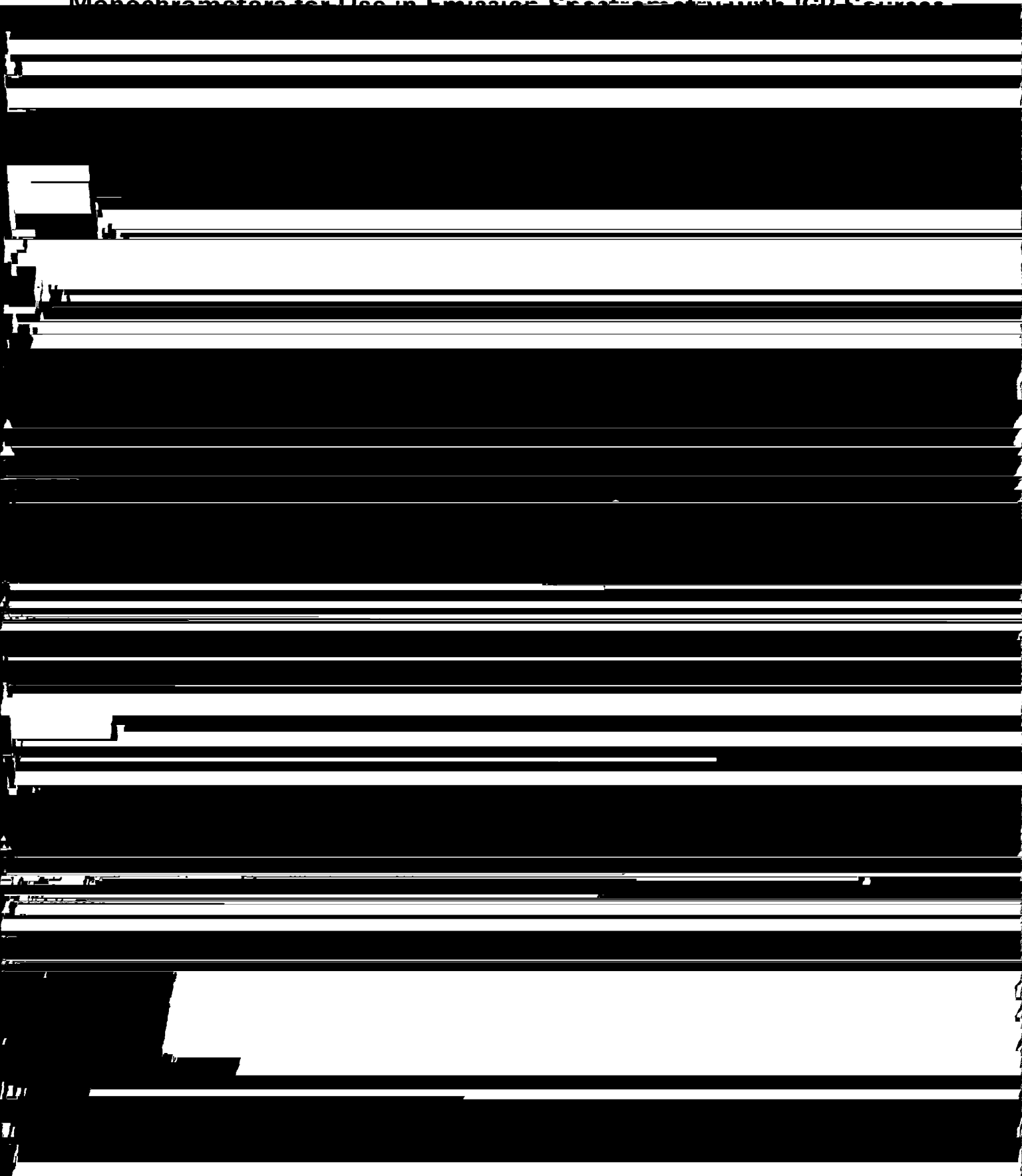


Report by the Analytical Methods Committee

Evaluation of Analytical Instrumentation. Part IV.

Monochromators for Use in Emission Spectrometry with ICP Sources



Feature	Definition and/or test procedures and guidance for assessment	Importance	Reason	Score				
2. <i>Wavelength range</i>	(a) The instrument <i>must</i> cover the spectral range which encompasses the lines of interest to the user. (b) Score additionally for an	VI NVI	Whilst it is obviously necessary for the user to be able to access the lines of interest, it is advantageous to be able to select other lines of interest.	PS WF ST				

Feature	Definition and/or test procedures and guidance for assessment	Importance	Reason	Score				
7. <i>Light gathering</i>	This is the minimum amount of	I	The light gathering power of the	PS				

Feature	Definition and/or test procedures and guidance for assessment	Importance	Reason	Score				
11. <i>Slit geometry and selection</i>	Vertical rather than horizontal slits are more compatible with the plasma source geometry. References should be given to	I	The region of maximum signal to background ratio in a plasma source is a small vertical region which is readily matched by	PS WF ST				

Feature	Definition and/or test procedures and guidance for assessment	Importance	Reason	Score				
	to set the wavelengths for background correction.							
16. <i>Dynamic range and mode of</i>	Maximum score should be given for digital integration, with the	VI	For the stable signal produced by the ICP, digital integration	PS WF				

Feature	Definition and/or test procedures and guidance for assessment	Importance	Reason	Score				
(f) Training	Enquire as to local <i>arrangements for operators</i>	I	Availability of efficient <i>programme and good</i>	PS WF				

