



# CONTENTS

<b>INTRODUCTION</b>	<b>ix</b>
1. Aim and Scope of these Tables	ix
2. Historical	x
3. Determination of ICP Sensitivities	xi
3.1. Detection limit and sensitivity	xi
3.2. Novel transfer factors derived from the list of prominent lines	xi
3.3. Conversion of the NBS Tables	xiv
3.4. Correlation between new and old transfer factors	xiv
4. Concepts and Principles underlying these Coincidence Tables	xv
4.1. Critical concentration ratio for line interference	xv
4.2. The “ $a$ -parameter” of the Voigt profile	xvi
4.3. Critical concentration ratio for background interference	xvii
4.4. Additional lines of the analyte and/or multiple interfering lines	xvii
5. Use of these Coincidence Tables	xviii
<b>REFERENCES</b>	<b>xx</b>
<b>FINDING LIST:</b>	
I Prominent Lines arranged according to Element and Detection Limit	1
II Prominent Lines arranged according to Wavelength	12
III Prominent Lines arranged according to Element and Wavelength	22
<b>COINCIDENCE TABLES</b>	<b>33</b>
Volume 1 Tables 1 - 427	
Volume 2 Tables 428 - 896	
<b>ADDENDUM</b>	