

CONTENTS

Chapter 1: Basics	4
1.1 Concentration Expressions.....	4
1.2 Data Handling.....	15
1.3 Activity and Activity coefficients.....	27
1.4 Stoichiometry in Action.....	49
1.5 Kinetics and Radiocarbon Dating	67
Chapter 2: Solubility.....	75
2.1 Solubility Equilibria.....	75
2.2 Selective Precipitation.....	87
2.3 Gravimetric Analysis.....	112
2.4 Precipitation Titration Curves	131
2.5 Precipitation Titrimetries	142
Chapter 3: Acid-Base	156
3.1 Acid-Base Equilibria	156
3.2 Acid-Base Titration Curves	237
3.3 Acid-Base Titrimetries	277
Chapter 4: Complexation	299
4.1 Complexation Equilibria	299
4.2 Complexation Titration Curves.....	318
4.3 Complexometric Titrimetries	331
Chapter 5: Redox.....	345
5.1 Redox Equilibria.....	345
5.2 Redox Titration Curves	369
5.3 Redox Titrimetries	380
5.4 Ion Selective Electrodes	406
5.5 Coulometric Analysis.....	417
5.6 Electrogravimetry and Selective Electrodeposition	423
5.7 Electrochemical Monitoring of Titrations	432
Chapter 6: Spectroscopy	450
6.1 Molecular and Atomic Spectroscopic Analysis	450
6.2 Photometric Titrations	511