

CONTENTS

FOREWORD	V
INTRODUCTION	1
1. THEORY OF GAS CHROMATOGRAPHY	10
2. APPARATUS	34
2.1 The column	37
2.2 The carrier gas	65
2.3 The sample injector	79
2.4 Detectors	99
2.5 Recorders	125
2.6 Temperature	127
2.7 Industrial gas chromatographs and other special apparatus	143
3. THE ANALYTICAL RESULT	165
3.1 The qualitative analytical result	167
3.2 The quantitative result	179
3.3 Application of gas chromatography to the determination of thermodynamic values	191
INDEX	195