

CONTENTS

VOLUME I. PART I. THE ELEMENTS ALUMINUM	1
ANTIMONY	63
ARSENIC	87
BARIUM	117
BERYLLIUM	137
BISMUTH	149
BORON	162
BROMINE	188
CADMIUM	197
CALCIUM	205
CARBON	218
CERIUM AND THE OTHER RARE-EARTHS	245
CHLORINE	261
CHROMIUM	282
COBALT	305
COLUMBIUM AND TANTALUM	331
COPPER	349
FLUORINE	399
GALLIUM	426
GERMANIUM	429
GOLD	431
HYDROGEN	442
INDIUM	445
IODINE	448
IRON	462
LEAD	500
MAGNESIUM	528
MANGANESE	554
MERCURY	574
MOLYBDENUM	585
NICKEL	614
NITROGEN	629
OXYGEN	669
PHOSPHORUS	689
PLATINUM METALS Platinum, Palladium, Iridium, Ruthenium, Rhodium and Osmium	710
RADIUM	758

RHENIUM	768
SCANDIUM	773
SELENIUM AND TELLURIUM	775
SILICON	794
SILVER	818
THE FIRE ASSAY FOR GOLD AND SILVER	835
SODIUM AND THE OTHER ALKALI METALS	861
STRONTIUM	899
SULFUR	903
THALLIUM	942
THORIUM	946
TIN	954
TITANIUM	975
TUNGSTEN	1001
URANIUM	1017
VANADIUM	1030
ZINC	1054
ZIRCONIUM AND HAFNIUM	1093
PART II. QUALITATIVE TESTS OF SUBSTANCES	1107
PART III TABLES AND USEFUL DATA	1140
REAGENTS AND STANDARD SOLUTIONS	1199
STANDARD LABORATORY APPARATUS	1219