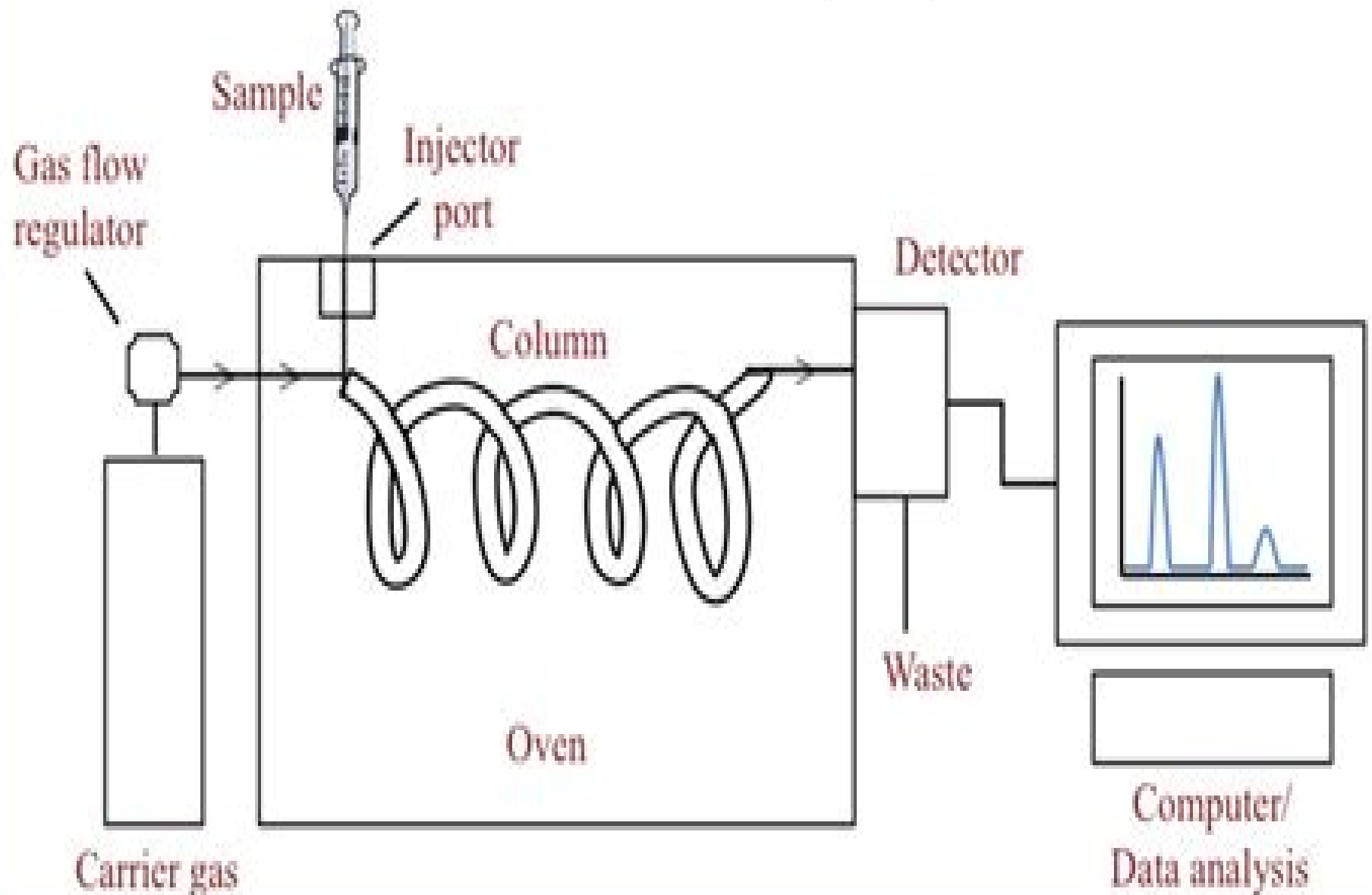


Gas Chromatography



Basic Gas Chromatography

Harold M. McNair, James M. Miller



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as to permit extrapolation of specific applications to similar problems encountered by the reader To aid the reader in mastering the subject matter and increase understanding interpretation problems and suggested readings are included The format is instructional informative and application oriented with material presented in such a way as to be useful to a broad spectrum of people The book serves as a text in its own right The software package Gas Chromatography Mass Spectrometry A Knowledge Base by F A Settle Jr and M A Pleva provides rapid access to a wealth of current information in the GC MS field Its three diskettes 5 1/4 inch allow the user three ways to access the index mode the tree mode and a keyword search mode The package may be purchased separately and is available for the IBM PC and compatibles The software provides a valuable supplement to the book

Basic Gas Chromatography Harold Monroe McNair, Harold M. Mac Nair, Ernest J. Bonelli, 1965
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Snow, 2019-09-11 Basic Gas Chromatography Third Edition provides a brief introduction to GC following the objectives for titles in this series It should appeal to readers with varying levels of education and emphasizes a practical applied approach to the subject This book provides a quick need to know introduction to gas chromatography still the most widely used instrumental analysis technique and is intended to assist new users in gaining understanding quickly and as a quick reference for experienced users The new edition provides updated chapters that reflect changes in technology and methodology especially sample preparation detectors and multidimensional chromatography The book also covers new detectors recently introduced and sample preparation methods that have become much more easily accessible since the previous edition Gas Chromatography Brian Stuart, 2003 Gas chromatography has been the most widely used technique in analytical chemistry for over three decades It offers unchallenged resolving power for closely related volatile compounds and high sensitivity and selectivity with many of the detector systems This technique is very accurate and precise when used in the laboratory This guide begins by looking at the basic theory behind gas chromatography then goes on to examine injection and sampling methods and the chromatographic column Sections on detection data handling calibration and standards are followed by problem solving and practical exercises Gas Chromatography is one of the Practical Laboratory Skills Training Guides a series that aims to make achieving best practice easy These invaluable manuals will enable both experienced and inexperienced staff to get the essential basics of any experiment right simply by following the clear and easy to use instructions provided The guides are written by experienced scientists and include minimal theory plenty of practical exercises in order to assess competence and trouble shooting information Other titles are Measurement of Mass Measurement of Volume Measurement of pH and High Performance Liquid Chromatography *Introduction to Analytical Gas Chromatography, Revised and Expanded* Raymond P.W. Scott, 2017-12-19 Covering the principles of chromatographic separation the chromatographic process from a physical chemical perspective instrumentation for performing analyses and

operational procedures this second edition offers information needed for the successful practice of gas chromatography It contains examples of available apparatus detectors columns stationary phases and operating conditions **Gas Chromatography and Mass Spectrometry** Fulton G. Kitson, Barbara S. Larsen, Charles N. McEwen, 1996-08-30 This guide provides under one cover a wealth of practical information designed to facilitate the effectiveness of the GC MS user Separation conditions for numerous compound types are provided along with derivatized and underivatized compounds A section on how to interpret mass spectral data an extensive correlation of ion masses and neutral losses with possible structures and examples of mass spectra are provided to further aid structure determination Also included are basic information on instrumentation ionization methods quantitation tips on the operation of mass spectrometers the best derivatization procedures for a variety of compound types troubleshooting techniques and a variety of other information found to be useful to the practicing user of GC MS instrumentation This guide would be immediately valuable to the novice as well as the experienced GC MS user who may not have the breadth of experience covered in this book **Key Features** Condenses and organizes recent and essential information for new and experienced GC MS users Comprehensively indexed and referenced Includes practical methods of analysis Serves as a text reference for short practical courses on the subject

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