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The term, organic compounds, is applied to materials that contain carbon and are associated with living organisms. Carbon atoms form strong covalent bonds to other carbon atoms and to hydrogen,

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oxygen, nitrogen, and sulfur. Families of organic compounds are classified on the basis of their structures (Table 5.1).

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organisms. Carbon atoms form strong covalent bonds to other carbon atoms and to hydrogen, oxygen, nitrogen, and sulfur. Families of organic compounds are classified on the basis of their structures (Table 5.1). Page 10/24

Chapter 4 Organic Compounds Springer - modapktown.com

This chapter discusses
some of the major

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groups of contaminants
that are classified as
organic substances.

The first category
discussed is pesticides;
this group is further
divided into many...

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Cite this chapter as:

Furka Á. (2019)

Organonitrogen

Compounds. In: The

Structure Dependent

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Energy of Organic
Compounds.

SpringerBriefs in
Molecular Science.

Organonitrogen Compounds | SpringerLink

The main field of application of the KF titration is in the investigation of organic compounds and their commercially viable technical products.

These substances are usually sufficiently

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soluble in methanol
although in certain
cases the working
medium has to be
adjusted according to
the solubility
requirements.

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Chapter 1 contains
tables of values for
standard enthalpies of
formation derived from
experimental data for
approximately 3000
organic compounds of

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the elements C, H, O,
N, S and halogens;
Chapters 2 to 4
describe a simple
scheme for predicting
unknown values of
standard enthalpies of
formation.

Thermochemical Data of Organic Compounds | J. B ... - Springer

DePierre JW (2003)
Mammalian toxicity of
organic compounds of
bromine and iodine.

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Handb Environ Chem

3:205-251. doi:

10.1007/b11992

Google Scholar DeShon

ND (1979) Carbon

tetrachloride.

Organic Compounds | SpringerLink

Organic chemistry is the study of the properties, structure, and function of compounds containing carbon. Arguably the most complex and mysterious of the

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specialized areas of chemistry, organic chemistry often requires years of both practical and theoretical study to master.

Organic Chemistry | SpringerLink

The LIS sediments are contaminated with toxic compounds and elements related to past and present wastewater discharges and runoff. These

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include nonpoint and stormwater runoff and groundwater discharges, whose character has changed over the years along with the evolution of its watershed and industrial history.

Metals, Organic Compounds, and Nutrients in ... - Springer

In this chapter, the atmospheric sources, sinks, distributions,

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trends, and impacts of organic bromine and iodine compounds are reviewed. Most studies of bromine in the atmosphere have been driven by its well-characterized contribution to stratospheric ozone depletion.

Atmospheric Chemistry of Organic Bromine and ... - Springer

Chlorinated organic

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compounds (COCs) are common anthropogenic contaminants encountered in soil and groundwater. COCs were industrially produced for different applications, such as dry cleaning, degreasing, or as pesticides. The presence of COCs in the environment is a major concern because of their toxicity and persistence.

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In Situ Chemical Reduction of Chlorinated Organic Compounds

Abstract. Historically, inorganic described those compounds derived from minerals as distinguished from organic compounds, hydrocarbons and their derivatives with animal or plant origins. This distinction still exists although with the development of

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synthetic chemistry,
inorganic has come to
describe non-carbon
compounds other than
simple examples like
the carbon oxides,
carbon disulphide ...

Inorganic Compounds | Springer for Research & Development

This monograph
describes the synthesis
and use of biologically-
inspired artificial

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hydrocarbon networks
(AHNs) for
approximation models
associated with
machine learning and a
novel computational
algorithm with which to
exploit them. The
reader is first
introduced to various
kinds of algorithms

Artificial Organic Networks - Springer

Two theoretical
approaches for spectral
simulations, the

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perturbation method,
and the direct
diagonalization
method, are discussed
with examples of ^{17}O
($I = 5/2$), ^{33}S ($I = 3/2$),
and $^{79/81}\text{Br}$ ($I = 3/2$)
solid-state NMR
analysis of organic
compounds, as well as
some examples of
inorganic compounds
with larger quadrupole
interactions. When the
...

NMR of Quadrupole

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Nuclei in Organic Compounds | Springer ...

Leukemia is a group of cancers that usually begin in the bone marrow and result in high numbers of abnormal and dysfunctional white blood cells. Many studies were carried out to investigate...

Evaluation of the Volatile Organic Compounds

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Compounds Released from ...

The chapter dealing with Peroxy-oxalate chemiluminescence has been commented up on critically by Dr. M. M. Rauhut, Stamford, Connecticut which we gratefully acknowledge.

Keywords organic chemistry oxygen polymer

**Chemiluminescence
in Organic Chemistry
| Springer for ...**

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Birch reduction (see reviews [1-5]) is the name given to the reaction of unsaturated organic compounds with alkali metals and alcohols in liquid ammonia. This method was first used for aromatic compounds in 1937 by Wooster [6], who showed that benzene and its derivatives are reduced by sodium in

Birch Reduction of

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Aromatic

Compounds | A. A ...

- Springer

Chapter 1 Organic
Compounds: Alkanes 2
Organic chemistry
nowadays almost
drives me mad. To me
it appears like a
primeval tropical forest
full of the most
remarkable things, a
dreadful endless jungle
into which one does
not dare enter, for
there seems to be no
way out. Friedrich

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Wöhler.
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**Chapter 1 Organic
Compounds: Alkanes**

Mathematical
chemistry is the area of
research engaged in
novel applications of
mathematics to
chemistry; it concerns
itself principally with
the mathematical
modeling of chemical
phenomena.

Mathematical
chemistry has also
sometimes been called

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computer chemistry,
but should not be
confused with
computational
chemistry.. Major areas
of research in
mathematical
chemistry include
chemical graph ...

Mathematical chemistry - Wikipedia

Chapter 1: Mass
spectra 1.1

Introduction 1.2 Ion
production 1.2.1

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Electron impact (EI)

1.2.2 Chemical

Ionisation (CI) 1.2.3

Electrospray ionisation

(ESI) 1.2.4 Fast ion

bombardment (FIB or

LSIMS) 1.2.5 Laser

desorption (LD) and

matrix-assisted laser

desorption (MALDI) 1.3

Ion analysis 1.3.1

Magnetic analysers

1.3.2 Time-of-flight

(TOF) analysers 1.3.3

Quadrupole analysers

1.3.4 Ion cyclotron ...

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