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Atmospheric Chemistry and Physics Discussions

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Compilation of Henry's law constants, version 3.99

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Abstract

Many atmospheric chemicals occur in the gas phase as well as in liquid cloud droplets and aerosol particles. Therefore, it is necessary to understand the distribution between the phases. According to Henry's law, the equilibrium ratio between the abundances in the gas phase and in the aqueous phase is constant for a dilute solution. Henry's law constants of trace gases of potential importance in environmental chemistry have been collected and converted into a uniform format. The compilation contains 14 775 values of Henry's law constants for 3214 species, collected from 639 references. It is also available on the internet at http://www.henrys-law.org.

1 Introduction

Henry's law is named after the English chemist William Henry, who studied the topic in the early 19th century. In his publication about the quantity of gases absorbed by water (Henry, 1803), he described the results of his experiments:

> [. . .] water takes up, of gas condensed by one, two, or more additional atmospheres, a quantity which, ordinarily compressed, would be equal to twice, thrice, &c. the volume absorbed under the common pressure of the atmosphere.

In other words, the amount of dissolved gas is proportional to its partial pressure in the gas phase. The proportionality factor is called the Henry's law constant. In atmospheric chemistry, these constants are needed to describe the distribution of trace species between the air and liquid cloud droplets or aerosol particles. In another area of environmental research, the constants are needed to calculate the vaporization of chemicals from rivers and during waste water treatment.

Section 2 provides theoretical background about Henry's law and commonly used quantities and units. In Sect. 3, the compilation of Henry's law constants is described

in detail. Additional information can be found in the electronic supplement, which is described in Sect. 4.

2 Theoretical background

This publication tries to follow the recommendations of the International Union of Pure and Applied Chemistry (IUPAC) as far as possible. General recommendations for physical chemistry have been published in the so-called "Green Book" by Mills et al. (1993). In addition, there are also the more specific articles about atmospheric chemistry by Calvert (1990) and about solubility by Gamsjäger et al. (2008, 2010). In accordance with the Green Book, the name "Henry's law constant" is used here throughout the text, not "Henry's law coefficient". IUPAC recommendations for terminology, symbols, and units of Henry's law constants are described in the following sections.

2.1 Fundamental types of Henry's law constants

There are many variants of Henry's law constants which can all be classified into two fundamental types: One possibility is to put the aqueous phase into the numerator and the gas phase into the denominator, i.e., define the constant as the quotient A/G. Here, A and G are quantities describing the equilibrium composition (at infinite dilution) of the aqueous phase and the gas phase, respectively. Alternatively, the Henry's law constant can be defined as the quotient G/A, which results in the inverse value. There is no advantage or disadvantage in using one or the other, the two types exist purely for historical reasons. Unfortunately, the name "Henry's law constant" is used for both types. Therefore, statements like "a large Henry's law constant" are meaningless unless the type is specified. Especially the dimensionless constants (see Sects. 2.4.2 and 2.5.3) are very error-prone because their type cannot be deduced from the unit. In order to have a consistent terminology, I recommend the name "Henry's law solubility

constant" (or "Henry solubility" for conciseness) when refering to A/G. When refering to G/A, the name "Henry's law volatility constant" (or "Henry volatility") is used.

2.2 Variants of Henry's law constants

For both of the fundamental types described in the previous section, there are several variants. This results from the multiplicity of quantities that can be chosen to describe the composition of the two phases. Typical choices for the aqueous phase are molar concentration (c_a), molality (b), and molar mixing ratio (x). For the gas phase, molar concentration (c_g) and partial pressure (p) are often used. Note, however, that it is not possible to use the gas-phase mixing ratio (y). At a given gas-phase mixing ratio, the aqueous-phase concentration c_a depends on the total pressure and thus the ratio y/c_a is not a constant.

There are numerous combinations of these quantities. The most frequently used variants of Henry solubilities and Henry volatilities are presented in Sects. 2.4 and 2.5, respectively. Conversion factors between them are shown in Tables 1, 2, and 3. More detailed information about the conversion between different units and definitions of Henry's law constants can be found in Sander (1999) or Sazonov and Shaw (2006).

2.3 Symbols

In the current literature, a plethora of different symbols is used for the Henry's law constants. Several symbols are used for the same variant, and sometimes the same symbol is used for different variants. However, for this work a consistent terminology is indispensable. For Henry's law solubility constants, I follow the IUPAC recommendation for atmospheric chemistry by Calvert (1990) and use the symbol H. For Henry's law volatility constants, the symbol k_H is used as recommended in the IUPAC Green Book by Mills et al. (1993).

To specify the exact variant of the Henry's law constant, two superscripts are used. They refer to the numerator and the denominator of the definition. For example, H^{cp} refers to the Henry solubility defined as c/p.

If H refers to standard conditions ($T^{\ominus}$ = 298.15 K) it will be denoted as $H^{\ominus}$.

A summary of the symbols is shown in Table 4.

2.4 Henry's law solubility constants H

2.4.1 Henry solubility defined via concentration (H^{cp})

Atmospheric chemists often define the Henry solubility as:

$$H^{cp} \stackrel{\text{def}}{=} c_{\text{a}}/p. \tag{1}$$

Here, c_{a} is the concentration of a species in the aqueous phase and p is the partial pressure of that species in the gas phase under equilibrium conditions.

The SI unit for H^{cp} is mol $(\text{m}^3\ \text{Pa})^{-1}$. However, often the unit M atm^{-1} is used since c_{a} is usually expressed in M (1 M = 1 mol dm^{-3}) and p in atm (1 atm = 101 325 Pa).

2.4.2 The dimensionless Henry solubility H^{cc}

The Henry solubility can also be expressed as the dimensionless ratio between the aqueous-phase concentration c_{a} of a species and its gas-phase concentration c_{g}:

$$H^{cc} \stackrel{\text{def}}{=} c_{\text{a}}/c_{\text{g}} = H^{cp} \times RT, \tag{2}$$

where R = gas constant and T = temperature.

Sometimes, this dimensionless constant is called the "water-air partitioning coefficient" K_{WA}. It is closely related to the various, slightly different definitions of the "Ostwald coefficient" L, as discussed by Battino (1984).

2.4.3 Henry solubility defined via aqueous-phase mixing ratio (H^{xp})

Another Henry's law solubility constant is:

$$H^{xp} \stackrel{\text{def}}{=} x/p. \tag{3}$$

Here, x is the molar mixing ratio in the aqueous phase. For a dilute, aqueous solution the conversion between x and c_{a} is:

$$c_{\text{a}} \approx x \frac{\varrho_{\text{H}_2\text{O}}}{M_{\text{H}_2\text{O}}}, \tag{4}$$

where $\varrho_{\text{H}_2\text{O}}$ = density of water and $M_{\text{H}_2\text{O}}$ = molar mass of water. Thus:

$$H^{xp} \approx \frac{M_{\text{H}_2\text{O}}}{\varrho_{\text{H}_2\text{O}}} \times H^{cp}. \tag{5}$$

The SI unit for H^{xp} is Pa^{-1}. However, atm^{-1} is still frequently used.

2.4.4 Henry solubility defined via molality (H^{bp})

There are some advantages to describe the aqueous phase in terms of molality instead of concentration:

$$H^{bp} \stackrel{\text{def}}{=} b/p. \tag{6}$$

Here, b is used as the symbol for molality (instead of m) to avoid confusion with the symbol m for mass. The SI unit for H^{bp} is mol $(\text{kg Pa})^{-1}$. There is no simple way to calculate H^{cp} from H^{bp} since the conversion between concentration c_{a} and molality b involves *all* solutes of a solution. For a solution with a total of n solutes with indices $i = 1, \ldots, n$, the conversion is:

$$c_{\text{a}} = \frac{b\varrho}{1 + \sum_{i=1}^{n} b_i M_i}, \tag{7}$$

where ϱ = density of the solution, and M = molar mass. Here, b is identical to one of the b_i in the denominator. If there is only one solute, Eq. (7) simplifies to:

$$c_a = \frac{b\varrho}{1 + bM}. \quad (8)$$

Henry's law is only valid for dilute solutions where $bM \ll 1$ and $\varrho \approx \varrho_{H_2O}$. In this case the conversion reduces further to:

$$c_a \approx b\varrho_{H_2O} \quad (9)$$

and thus:

$$H^{bp} \approx H^{cp}/\varrho_{H_2O}. \quad (10)$$

The molality of a solution does not change with T since it refers to the *mass* of the solvent. In contrast, the concentration c does change with T, since the density of a solution and thus its volume are temperature-dependent. Defining the aqueous-phase composition via the molality b has the advantage that any temperature dependence of H^{bp} is a true solubility phenomenon and not introduced indirectly via a density change of the solution.

2.5 Henry's law volatility constants k_H

2.5.1 The Henry volatility defined via concentration (k_H^{pc})

A common way to define a Henry volatility is dividing the partial pressure by the aqueous-phase concentration:

$$k_H^{pc} \stackrel{\text{def}}{=} p/c_a = 1/H^{cp}. \quad (11)$$

The SI unit for k_H^{pc} is Pa m^3 mol^{-1}.

2.5.2 The Henry volatility defined via aqueous-phase mixing ratio (k_H^{px})

Another Henry volatility is:

$$k_H^{px} \stackrel{\text{def}}{=} p/x = 1/H^{xp}. \quad (12)$$

The SI unit for k_H^{px} is Pa. However, atm is still frequently used.

2.5.3 The dimensionless Henry volatility k_H^{cc}

The Henry volatility can also be expressed as the dimensionless ratio between the gas-phase concentration c_g of a species and its aqueous-phase concentration c_a:

$$k_H^{cc} \stackrel{\text{def}}{=} c_g/c_a = 1/H^{cc}. \quad (13)$$

Sometimes, this dimensionless constant is called the "air-water partitioning coefficient" K_{AW}.

2.5.4 The dimensionless Bunsen coefficient α

According to Sazonov and Shaw (2006), the dimensionless Bunsen coefficient α is defined as: "The volume of saturating gas, reduced to 273.15 K and 1 bar, which is absorbed by unit volume of pure solvent at the temperature of measurement and partial pressure of 1 bar". If the gas is ideal, the pressure cancels out, and the conversion to H^{cp} simply is:

$$H^{cp} = \alpha \times \frac{1}{RT^{STP}} \quad (14)$$

with T^{STP} = 273.15 K. Note, that according to this definition, the conversion factor is *not* temperature-dependent! Independent of the temperature that the Bunsen coefficient refers to, 273.15 K is always used for the conversion. The Bunsen coefficient has been used mainly in the older literature.

2.5.5 The Kuenen coefficient S

According to Sazonov and Shaw (2006), the Kuenen coefficient S is defined as: "The volume of saturating gas, reduced to 273.15 K and 1 bar, which is dissolved by unit mass of pure solvent at the temperature of measurement and partial pressure 1 bar". If the gas is ideal, the relation to H^{cp} is:

$$H^{cp} = S \times \frac{\varrho}{R T^{\mathrm{STP}}}, \tag{15}$$

where ϱ is the density of the solvent and $T^{\mathrm{STP}} = 273.15\,\mathrm{K}$. The SI unit for S is $\mathrm{m^3\,kg^{-1}}$. The Kuenen coefficient has been used mainly in the older literature. IUPAC considers it to be obsolete (Gamsjäger et al., 2010).

2.6 Temperature dependence of Henry's law constants

The temperature dependence of equilibrium constants can generally be described with the van't Hoff equation (e.g. Atkins, 1986). It also applies to Henry's law constants:

$$\frac{\mathrm{d}\ln H}{\mathrm{d}(1/T)} = \frac{-\Delta_{\mathrm{soln}} H}{R}, \tag{16}$$

where $\Delta_{\mathrm{soln}} H$ = enthalpy of dissolution. Integrating the equation leads to:

$$H(T) = A \times \exp\left(\frac{B}{T}\right) \tag{17}$$

with the parameters A and B. When reporting H as a function of these parameters, it is important to present sufficient significant digits of B because H depends exponentially on it. Alternatively, one can create an expression based on $H^{\ominus}$ at the reference temperature $T^{\ominus} = 298.15\,\mathrm{K}$:

$$H(T) = H^{\ominus} \times \exp\left(\frac{-\Delta_{\mathrm{soln}} H}{R}\left(\frac{1}{T} - \frac{1}{T^{\ominus}}\right)\right). \tag{18}$$

Here, $H^{\ominus} = A \times \exp(B/T^{\ominus})$ and $\Delta_{\mathrm{soln}} H/R = -B$. In this work, the values $H^{\ominus}$ and $\Delta_{\mathrm{soln}} H/R$ are tabulated.

The van't Hoff equation in this form is only valid for a limited temperature range in which $\Delta_{\mathrm{soln}} H$ does not change much with temperature. To cover a larger temperature range, in which $\Delta_{\mathrm{soln}} H$ cannot be considered constant anymore, different empirical ways can be used. Often, the temperature dependence $\mathrm{d}\ln H/\mathrm{d}(1/T)$ is expressed as the sum of several terms. Then, the analytical derivative is simply the sum of the derivatives of the individual terms. For example, Wilhelm et al. (1977) use the formula:

$$\ln H = A + B \times \left(\frac{T}{\mathrm{K}}\right)^{-1} + C \times \ln\left(\frac{T}{\mathrm{K}}\right) + D \times \left(\frac{T}{\mathrm{K}}\right). \tag{19}$$

Using the derivatives from Table 5, the temperature dependence of this expression can be calculated as:

$$\frac{\mathrm{d}\ln H}{\mathrm{d}(1/T)} = 0 + B - C \times \left(\frac{T}{\mathrm{K}}\right) - D \times \left(\frac{T}{\mathrm{K}}\right)^2. \tag{20}$$

Note that the temperature dependences for H^{cp} and H^{cc} are different since the conversion factor between them includes the temperature:

$$\begin{aligned} H^{cp} &= H^{cc}/(RT) \\ \Leftrightarrow \ln H^{cp} &= \ln H^{cc} + \ln(1/R) + \ln(1/T) \\ \Rightarrow \frac{\mathrm{d}\ln H^{cp}}{\mathrm{d}(1/T)} &= \frac{\mathrm{d}\ln H^{cc}}{\mathrm{d}(1/T)} + \frac{\mathrm{d}\ln(1/T)}{\mathrm{d}(1/T)} \\ &= \frac{\mathrm{d}\ln H^{cc}}{\mathrm{d}(1/T)} + T. \end{aligned} \tag{21}$$

2.7 Dependence of Henry's law constants on ionic strength

Values of Henry's law constants for aqueous solutions depend on the composition of the solution. In general, the solubility of a gas decreases with increasing salinity. This

so-called “salting out” effect can be described with the Sechenov parameter. There are many ways to define such a parameter. An equation based on the molality of the solution is preferred. Since the atmosphere contains very dilute cloud droplets as well as highly concentrated aerosols, adequate values of Henry’s law constants should be used. Unfortunately, Sechenov parameters are unknown for many species. A short list of some available data is presented in Sect. 3.2.4. For more details, see Sander (1999).

3 Values of Henry’s law constants

3.1 The data compilation

The data compilation is presented in Table 6. It contains Henry’s law constants for inorganic and organic species of potential importance in environmental chemistry. Most data were measured at ambient conditions (about 20 . . . 25 °C and 1 atm). Data at high temperatures are excluded or (if possible) extrapolated to $T^{\ominus} = 298.15$ K. All data refers to aqueous solutions; octanol and other solvents are not included. Most constants refer to pure water as solvent, however, some data for sea water are also included.

The current compilation is based on version 3, which is still available at http://www.henrys-law.org. The collection has been expanded substantially (from 2288 to 14775 constants and from 913 to 3214 species). In addition, all values have been recalculated. Due to different precision and rounding errors, the last digit of the Henry’s law constants has changed in a few cases. Also, a few more publications from the grey literature could be obtained. In these cases, the original data are used now instead of those cited by others. In a few cases, this also resulted in slightly different values.

Inorganic substances are sorted according to the elements they contain. The order chosen is: O, H, N, F, Cl, Br, I, S, rare gases, others. Organic substances (i.e. everything with carbon, including CO and CO_2) are sorted somewhat arbitrarily by increasing chain length and complexity. Hetero atoms (O, N, F, Cl, Br, I, and S) are sorted in the

same order as for inorganic compounds. The table contains the following groups of species:

Inorganic species **29716**
Oxygen (O) . . . 29716
Hydrogen (H) . . . 29717
Nitrogen (N) . . . 29719
Fluorine (F) . . . 29723
Chlorine (Cl) . . . 29724
Bromine (Br) . . . 29727
Iodine (I) . . . 29729
Sulfur (S) . . . 29730
Rare gases (He, Ne, Ar, Kr, Xe, Rn) . . . 29732
Other elements (Se, P, As, Hg) . . . 29735

Hydrocarbons (C, H) **29736**
Alkanes . . . 29736
Cycloalkanes . . . 29771
Aliphatic alkenes and cycloalkenes . . . 29780
Aliphatic alkynes . . . 29792
Mononuclear aromatics . . . 29797
Terpenes and terpenoids . . . 29825
Polynuclear aromatics . . . 29830

Organic species with oxygen (O) **29852**
Alcohols (ROH) . . . 29852
Polyols ($R(OH)_n$) . . . 29908
Peroxides (ROOH) and peroxy radicals (ROO) . . . 29915
Aldehydes (RCHO) . . . 29917
Ketones (RCOR) . . . 29928

Carboxylic acids (RCOOH) and peroxy carboxylic acids (RCOOOH) 29947
Esters (RCOOR) 29959
Ethers (ROR) 29990
Heterocycles with oxygen 30002
Oxidized terpenoids 30008
Miscellaneous 30010

Organic species with nitrogen (N) **30017**
Amines (RNH_2) 30018
Amino acids ($RCHNH_2COOH$) 30041
Heterocycles with nitrogen 30042
Nitrates ($RONO_2$) 30060
Nitriles (RCN) 30071
Nitro compounds (RNO_2) 30078

Organic species with fluorine (F) **30095**
Fluorine (F) 30095

Organic species with chlorine (Cl) **30123**
Chlorocarbons (C, H, Cl) 30123
Polychlorinated biphenyls (PCBs) 30196
Oxygenated chlorocarbons (C, H, O, Cl) 30274
Polychlorinated diphenyl ethers (PCDEs) 30301
Polychlorinated dibenzofuranes (PCDFs) 30322
Polychlorinated dibenzo-*p*-dioxins (PCDDs) 30347
Chlorocarbons with nitrogen (C, H, O, N, Cl) 30362
Chlorofluorocarbons (C, H, O, N, F, Cl) 30386

Organic species with bromine (Br) **30401**
Bromocarbons (C, H, O, N, Br) 30401

Polybrominated diphenyl ethers (PBDEs) 30427
Bromine, chlorine and fluorine (C, H, N, O, F, Cl, Br) 30434

Organic species with iodine (I) **30445**
Iodocarbons (C, H, O, Cl, I) 30445

Organic species with sulfur (S) **30452**
Sulfur (C, H, O, N, Cl, S) 30452

Organic species with phosphorus (P) **30484**
Phosphorus (C, H, O, N, Cl, Br, S, P) 30484

Organic species with other elements **30496**
Silicon (Si) 30496
Zinc (Zn) 30497
Tin (Sn) 30497
Mercury (Hg) 30498
Lead (Pb) 30501

The first column of the table shows the systematic name, the chemical formula, trivial names (if any), and the CAS registry number (in square brackets).

The column labeled "H^{cp}" contains the Henry's law solubility constants as defined in Eq. (1), rounded to two significant digits and given in the unit mol $(m^3\ Pa)^{-1}$.

The column labeled "$d\ln H/d(1/T)$" contains the temperature dependence of the Henry solubility as defined in Eq. (18), rounded to two significant digits and given in the unit K. If the term $\Delta_{soln}H$ is temperature-dependent, the value of $d\ln H/d(1/T)$ is calculated at $T^{\ominus} = 298.15\,K$.

For each table entry the column labeled "type" denotes how the Henry's law constant was obtained in the given reference. Literature reviews are usually most reliable, followed by original publications of experimental determinations of H. Other data has

to be treated more carefully. The types listed here are roughly ordered by decreasing reliability:

"L" The cited paper is a *literature* review.

"M" Original publication of a *measured* value.

"V" *Vapor* pressure of the pure substance divided by aqueous solubility (sometimes called "VP/AS").

"R" The cited paper presents a *recalculation* of previously published material (e.g. extrapolation to a different temperature or concentration range).

"T" *Thermodynamical* calculation ($\Delta_{soln}G = -RT \ln H$, see Sander (1999) for details).

"X" The original paper was not available for this study. The data listed here was found in a secondary source.

"C" The paper is a *citation* of a reference which I could not obtain (e.g. personal communication, Ph.D. theses, internal papers etc.).

"Q" The value is an estimate obtained with the "*quantitative* structure property relationship" (QSPR) method, see Staudinger and Roberts (1996) for details.

"E" The value is an *estimate*. Estimates are only listed if no reliable measurements are available for that compound.

"?" The cited paper doesn't clearly state how the value was obtained.

In some cases there might be good agreement between different authors. However, if the original work they refer to is not known one has to be careful when evaluating the reliability. It is possible that they were recalculating data from the same source. The similarity in that case would not be due to independent investigations.

When viewing this pdf online, it is possible to click on the CAS registry number to open the web page about this species from the NIST Chemistry WebBook. Also, a click on the number of a note in the table will lead you to the corresponding note.

3.2 Further sources of information

3.2.1 Review articles

Several reviews about Henry's law have been published, starting with Markham and Kobe (1941), up to more recent publications such as Wilhelm et al. (1977), Mackay and Shiu (1981), Staudinger and Roberts (1996), Staudinger and Roberts (2001), Fogg and Sangster (2003), and Sander et al. (2011). Practical guidance on the use of Henry's law has been published by Smith and Harvey (2007).

Experimental methods to obtain Henry's law constants as well as indirect (theoretical) methods have been described and compared by various authors, including Betterton (1992), Battino and Clever (1966), Turner et al. (1996), Staudinger and Roberts (1996), Brennan et al. (1998), Sander (1999), and Fogg and Sangster (2003).

3.2.2 Internet

On the internet, the following pages provide Henry's law constants:

- The NIST Chemistry WebBook at http://webbook.nist.gov/chemistry
- The Pesticide Properties Database (PPD) at http://www.ars.usda.gov/Services/docs.htm?docid=14199
- The Screening Information Datasets (SIDS) of the United Nations Environment Programme (UNEP) at http://www.chem.unep.ch/irptc/sids/OECDSIDS/INDEXCHEMIC.htm provide data sets including Henry's law constants for many species
- A program to calculate Henry's law constants is available at http://www.epa.gov/opptintr/exposure/pubs/episuitedl.htm.
- Vapor-liquid equilibrium data from the "Dortmund Data Bank" at http://www.ddbst.com/en/EED/VLE/VLEindex.php.

3.2.3 QSPR

Several publications apply the "Quantitative structure property relationship" (QSPR) method to obtain theoretical predictions for Henry's law constants: Pierotti et al. (1959), Deno and Berkheimer (1960), Nirmalakhandan and Speece (1988b), Dunnivant and Elzerman (1988), Brunner et al. (1990), Sukuzi et al. (1992), Russell et al. (1992), Sukuzi et al. (1992), Brennan et al. (1998), English and Carroll (2001), Dearden and Schüürmann (2003), Yaffe et al. (2003), Kühne et al. (2005), Modarresi et al. (2007), Raventos-Duran et al. (2010).

3.2.4 Salt solutions

Some information about Henry's law constants for salt solutions (Sechenov coefficients, see Sect. 2.7) can be found in these publications: Meadows and Spedding (1974), Zafiriou and McFarland (1980), Przyjazny et al. (1983), Hunter-Smith et al. (1983), Dacey et al. (1984), Johnson and Harrison (1986), Zhou and Mopper (1990), Kames and Schurath (1992), Benkelberg et al. (1995), De Bruyn et al. (1995b), Moore et al. (1995), Dewulf et al. (1995), Wong and Wang (1997), Xie et al. (1997), Lindinger et al. (1998), Ni et al. (2000), Bullock and Teja (2003).

4 The electronic supplement

The Supplement contains several files with additional information about the compiled Henry's law constants. It includes a README file with a detailed description. Here, only a short summary is given:

- The files `henry_*.f90` are the Fortran 90 code that was used to convert the values from the original publications to the uniform format with the unit mol $(m^3\ Pa)^{-1}$. The code and the comments in the code can be used to double-check that the conversion was done correctly.

- If the original publications contained measurements at different temperatures, the fortran code often contains all individual data points, not just the regression line that was used to show the temperature dependence in Table 6. In addition, the supplement contains plots showing the data points as well as the regression lines according to Eq. (18).
- If the Henry's law constants are needed in electronic form, it is cumbersome to extract them from the pdf of this article. Therefore, the supplement contains declarations of the Henry's law constants (H^{cp}, H^{cc}, H^{xp}, H^{bp}, k_H^{pc}, k_H^{px}, k_H^{cc}, and α) in Fortran 90 syntax.

5 Summary and outlook

A comprehensive compilation of Henry's law constants has been presented. The collection, which is also available at http://www.henrys-law.org, will be continously maintained, updated and extended in the future. If necessary, errata will also be posted on this web page. In addition to providing a source of information, I hope that this work will help to identify gaps in our current knowledge and stimulate research projects. In particular, it seems that even for some well-known chemicals like HCl, Br_2, and BrCl, there is a large uncertainty in the value of the Henry's law constants. I always welcome information about new measurements of Henry's law constants to be included in the table.

The Supplement related to this article is available online at doi:10.5194/acpd-14-29615-2014-supplement.

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Table 1. Conversion factors between several Henry's law solubility constants H (at $T^{\ominus} = 298.15\,\mathrm{K}$ and $\varrho^{\ominus} = 997\,\mathrm{kg\,m^{-3}}$).

	$H^{cp} = \ldots \frac{\mathrm{mol}}{\mathrm{m^3\,Pa}}$	$H^{cp} = \ldots \frac{\mathrm{M}}{\mathrm{atm}}$	$H^{cc} = \ldots$	$H^{bp} = \ldots \frac{\mathrm{mol}}{\mathrm{kg\,Pa}}$	$H^{bp} = \ldots \frac{\mathrm{mol}}{\mathrm{kg\,atm}}$	$H^{xp} = \ldots \frac{1}{\mathrm{atm}}$	$\alpha = \ldots$
$H^{cp} = 1\,\frac{\mathrm{mol}}{\mathrm{m^3\,Pa}}$	1.00000	101.325	2478.94	1.00301×10^{-3}	101.630	1.83089	2271.08
$H^{cp} = 1\,\frac{\mathrm{M}}{\mathrm{atm}}$	9.86923×10^{-3}	1.00000	24.4652	9.89893×10^{-6}	1.00301	0.0180695	22.4138
$H^{cc} = 1$	4.03398×10^{-4}	0.0408743	1.00000	4.04612×10^{-7}	0.0409973	7.38578×10^{-4}	0.916150
$H^{bp} = 1\,\frac{\mathrm{mol}}{\mathrm{kg\,Pa}}$	997.000	1.01021×10^{5}	2.47150×10^{6}	1.00000	1.01325×10^{5}	1825.40	2.26427×10^{6}
$H^{bp} = 1\,\frac{\mathrm{mol}}{\mathrm{kg\,atm}}$	9.83962×10^{-3}	0.997000	24.3919	9.86923×10^{-6}	1.00000	0.0180153	22.3466
$H^{xp} = 1\,\frac{1}{\mathrm{atm}}$	0.546182	55.3419	1353.95	5.47826×10^{-4}	55.5084	1.00000	1240.42
$\alpha = 1$	4.40319×10^{-4}	0.0446153	1.09152	4.41644×10^{-7}	0.0447496	8.06176×10^{-4}	1.00000

Table 2. Conversion factors between several Henry's law volatility constants k_{H} (at $T^{\ominus} = 298.15\,\mathrm{K}$ and $\varrho^{\ominus} = 997\,\mathrm{kg\,m^{-3}}$).

	$k_{\mathrm{H}}^{px} = \ldots\,\mathrm{atm}$	$k_{\mathrm{H}}^{pc} = \ldots \frac{\mathrm{m^3\,Pa}}{\mathrm{mol}}$	$k_{\mathrm{H}}^{pc} = \ldots \frac{\mathrm{m^3\,atm}}{\mathrm{mol}}$	$k_{\mathrm{H}}^{cc} = \ldots$
$k_{\mathrm{H}}^{px} = 1\,\mathrm{atm}$	1.00000	1.83089	1.80695×10^{-5}	7.38578×10^{-4}
$k_{\mathrm{H}}^{pc} = 1\,\frac{\mathrm{m^3\,Pa}}{\mathrm{mol}}$	0.546182	1.00000	9.86923×10^{-6}	4.03398×10^{-4}
$k_{\mathrm{H}}^{pc} = 1\,\frac{\mathrm{m^3\,atm}}{\mathrm{mol}}$	55341.9	1.01325×10^{5}	1.00000	40.8743
$k_{\mathrm{H}}^{cc} = 1$	1353.95	2478.94	0.0244652	1.00000

Table 3. Products of Henry's law solubility constants H and Henry's law volatility constants k_H (at $T^\ominus = 298.15\,K$ and $\varrho^\ominus = 997\,kg\,m^{-3}$). For example, if $k_H^{px} = 5\,atm$, then $H^{bp} \approx 11\,mol\,(kg\,Pa)^{-1}$ because $5 \times 11 \approx 55.5084$.

	H^{cp} / mol (m³ Pa)⁻¹	H^{cp} / M atm⁻¹	H^{cc} / 1	H^{bp} / mol (kg Pa)⁻¹	H^{bp} / mol (kg atm)⁻¹	H^{xp} / 1/atm	α / 1
k_H^{px} / atm	0.546182	55.3419	1353.95	5.47826×10^{-4}	55.5084	1.00000	1240.42
k_H^{pc} / m³ Pa mol⁻¹	1.00000	101.325	2478.94	1.00301×10^{-3}	101.630	1.83089	2271.08
k_H^{cc} / m³ atm mol⁻¹	9.86923×10^{-6}	1.00000×10^{-3}	0.0244652	9.89893×10^{-9}	1.00301×10^{-3}	1.80695×10^{-5}	0.0224138
k_H^{cc} / 1	4.03398×10^{-4}	0.0408743	1.00000	4.04612×10^{-7}	0.0409973	7.38578×10^{-4}	0.916150

Table 4. List of Symbols.

symbol	quantity	SI-unit
ϱ	density	kg m^{-3}
A	parameter for T dependence of k_H	dimensionless
b	molality	mol kg^{-1}
B	parameter for T dependence of k_H	dimensionless
C	parameter for T dependence of k_H	dimensionless
c_a	aqueous-phase concentration	mol m_{aq}^{-3}
c_g	gas-phase concentration	mol m_{air}^{-3}
D	parameter for T dependence of k_H	dimensionless
$\Delta_{soln}H$	molar enthalpy of dissolution	J mol^{-1}
K_A	acid constant	mol m_{aq}^{-3}
H	Henry solubility (all variants)	miscellaneous
$H^\ominus$	H at standard temperature $T^\ominus$	miscellaneous
H^{bp}	Henry solubility (defined as b/p)	mol (kg Pa)$^{-1}$
H^{cc}	Henry solubility (defined as c/c)	dimensionless
H^{cp}	Henry solubility (defined as c/p)	mol m_{aq}^{-3} Pa^{-1}
H'	$H \times K_A$ (for strong acids)	miscellaneous
k_H	Henry volatility (all variants)	miscellaneous
$k_H^\ominus$	k_H at standard temperature $T^\ominus$	miscellaneous
k_H^{cc}	Henry volatility (defined as c/c)	dimensionless
k_H^{pc}	Henry volatility (defined as p/c)	m_{aq}^3 Pa mol^{-1}
k_H^{px}	Henry volatility (defined as p/x)	Pa
K_{AW}	air-water partitioning coefficient = k_H^{cc}	dimensionless
K_{WA}	water-air partitioning coefficient = H^{cc}	dimensionless
L	Ostwald coefficient	dimensionless
M	molar mass	kg mol^{-1}
p	partial pressure = $c_g RT$	Pa
R	gas constant	8.314 J (mol K)$^{-1}$
T	temperature	K
$T^\ominus$	standard temperature	298.15 K
T^{STP}	standard temperature for Bunsen coefficient	273.15 K
x	molar mixing ratio in the aqueous phase	mol mol^{-1}
y	molar mixing ratio in the gas phase	mol mol^{-1}

Table 5. Temperature-dependent terms and their analytical derivatives. Here, C, C_1 and C_2 are the empirical fit parameters defining $\ln(H)$. See Sect. 2.6 for details.

$\ln(H)$	$\frac{\mathrm{d}\ln H}{\mathrm{d}(1/T)}$
C	0
C/T	C
CT	$-CT^2$
CT^2	$-2C/T^3$
C/T^2	$2C/T$
C/T^3	$3C/T^2$
$C\ln(T)$	$-CT$
$C_1\ln(C_2T)$	$-C_1T$ (independent of C_2)
$C\lg(T)$	$-CT/\ln(10)$

Table 6: Henry's law constants.

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\mathrm{mol}}{\mathrm{m^3\,Pa}}\right]$	$\frac{\mathrm{d}\ln H^{cp}}{\mathrm{d}(1/T)}$ [K]	Reference	Type	Note
Inorganic species					
Oxygen (O)					
oxygen	1.2×10^{-5}	1700	Warneck and Williams (2012)	L	
O_2	1.3×10^{-5}	1500	Sander et al. (2011)	L	
[7782-44-7]	1.3×10^{-5}	1500	Sander et al. (2006)	L	
	1.3×10^{-5}	1400	Fernández-Prini et al. (2003)	L	1
	1.3×10^{-5}	1500	Battino et al. (1983)	L	
	1.3×10^{-5}	1500	Wilhelm et al. (1977)	L	
	1.3×10^{-5}	1400	Rettich et al. (1981)	M	
	1.3×10^{-5}	1400	Benson et al. (1979)	M	
	1.2×10^{-5}	1800	Carpenter (1966)	M	
	1.3×10^{-5}	1200	Winkler (1891b)	M	2
	1.3×10^{-5}	1500	Battino (1981)	X	3, 4
	1.3×10^{-5}	1500	Battino (1981)	X	5
	1.2×10^{-5}	1700	Dean (1992)	?	6
			Seinfeld (1986)	?	7
ozone	1.0×10^{-4}	2800	Sander et al. (2011)	L	
O_3	1.0×10^{-4}	2800	Sander et al. (2006)	L	
[10028-15-6]	1.1×10^{-4}	2400	Warneck (2003)	L	
	1.3×10^{-4}	2000	Wilhelm et al. (1977)	L	
	1.1×10^{-4}	2300	Gershenzon et al. (2001)	M	
	1.2×10^{-4}	1400	Sotelo et al. (1989)	M	
	1.1×10^{-4}	2300	Kosak-Channing and Helz (1983)	M	
			Roth and Sullivan (1981)	M	8
	1.3×10^{-4}	2000	Briner and Perrottet (1939)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.1×10^{-4}	2600	Chameides (1984)	T	
	1.0×10^{-6}		Battino (1981)	X	5, 9
	1.2×10^{-4}		Perry and Chilton (1973)	X	10
	9.3×10^{-5}	2500	Seinfeld (1986)	?	11
	9.3×10^{-5}	2500	Hoffmann and Jacob (1984)	?	11
Hydrogen (H)					
hydrogen atom	2.6×10^{-6}		Sander et al. (2011)	L	
H	2.6×10^{-6}		Sander et al. (2006)	L	
[12385-13-6]					
hydrogen	7.8×10^{-6}	530	Fernández-Prini et al. (2003)	L	1
H_2	7.7×10^{-6}	490	Wilhelm et al. (1977)	L	
[1333-74-0]	7.9×10^{-6}	500	Winkler (1891a)	M	
	7.7×10^{-6}		Hine and Weimar (1965)	R	
	7.7×10^{-6}	490	Young (1981a)	X	3
	7.7×10^{-6}	500	Young (1981a)	X	5
	7.7×10^{-6}	640	Dean (1992)	?	6
deuterium	7.9×10^{-6}	780	Young (1981a)	X	5
D_2					
[7782-39-0]					
hydroxyl radical	3.8×10^{-1}		Sander et al. (2011)	L	
OH	3.8×10^{-1}		Sander et al. (2006)	L	
[3352-57-6]	2.9×10^{-1}	4300	Hanson et al. (1992)	T	
	3.2×10^{-1}		Mozurkewich (1986)	T	
	2.9×10^{-1}	3100	Berdnikov and Bazhin (1970)	T	12
	2.5×10^{-1}		Lelieveld and Crutzen (1991)	C	
	2.0		Lelieveld and Crutzen (1991)	C	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	8.9×10^{1}		Lelieveld and Crutzen (1991)	C	
	2.5×10^{-1}	5300	Jacob (1986)	C	13
hydroperoxy radical	6.8		Sander et al. (2011)	L	
HO_2	6.8		Sander et al. (2006)	L	
[3170-83-0]	5.7×10^{1}		Régimbal and Mozurkewich (1997)	R	
	3.8×10^{1}	5900	Hanson et al. (1992)	T	
	8.9×10^{1}		Weinstein-Lloyd and Schwartz (1991)	T	
	8.9×10^{1}		Chameides (1984)	T	
	1.2×10^{1}		Schwartz (1984)	T	14
	4.6×10^{1}	4800	Berdnikov and Bazhin (1970)	T	12
		6600	Jacob (1986)	E	15
hydrogen peroxide	9.1×10^{2}	6600	Warneck and Williams (2012)	L	
H_2O_2	8.3×10^{2}	7600	Sander et al. (2011)	L	
[7722-84-1]	7.6×10^{2}	7300	Sander et al. (2006)	L	
	9.8×10^{2}	6100	Fogg and Sangster (2003)	L	16
	1.1×10^{3}	7000	Huang and Chen (2010)	M	
	8.2×10^{2}	7400	O'Sullivan et al. (1996)	M	
	9.9×10^{2}	6300	Lind and Kok (1994)	M	17
			Staffelbach and Kok (1993)	M	18
	8.5×10^{2}	6500	Zhou and Lee (1992)	M	
	6.7×10^{2}	7900	Hwang and Dasgupta (1985)	M	
	1.4×10^{3}		Yoshizumi et al. (1984)	M	9
	9.6×10^{2}	6600	Chameides (1984)	T	
	7.0×10^{2}	7000	Martin and Damschen (1981)	T	
			Pandis and Seinfeld (1989)	C	19
	6.4×10^{1}		Hilal et al. (2008)	Q	
	7.0×10^{2}	7300	Seinfeld (1986)	?	11

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	7.0×10^{2}	7300	Hoffmann and Jacob (1984)	?	11
Nitrogen (N)					
nitrogen	6.4×10^{-6}	1600	Warneck and Williams (2012)	L	
N_2	6.4×10^{-6}	1300	Sander et al. (2011)	L	
[7727-37-9]	6.4×10^{-6}	1300	Sander et al. (2006)	L	
	6.5×10^{-6}	1200	Fernández-Prini et al. (2003)	L	1
	6.5×10^{-6}	1200	Battino et al. (1984)	L	
	6.4×10^{-6}	1300	Wilhelm et al. (1977)	L	
	5.4×10^{-6}		Steward et al. (1973)	L	20
	6.6×10^{-6}	1200	Rettich et al. (1984)	M	
	6.5×10^{-6}	1400	Winkler (1891b)	M	2
	6.5×10^{-6}	1200	Battino (1982)	X	5
	6.3×10^{-6}	1600	Dean (1992)	?	6
ammonia	5.9×10^{-1}	4200	Sander et al. (2011)	L	
NH_3	5.9×10^{-1}	4200	Sander et al. (2006)	L	
[7664-41-7]	6.0×10^{-1}	4200	Edwards et al. (1978)	L	
	1.0×10^{-1}	1500	Wilhelm et al. (1977)	L	
	2.8×10^{-1}	3200	Shi et al. (1999)	M	
	6.0×10^{-1}	4200	Clegg and Brimblecombe (1989)	M	
	5.5×10^{-1}	4100	Dasgupta and Dong (1986)	M	
	7.7×10^{-1}		Holzwarth et al. (1984)	M	
	7.4×10^{-1}	3700	Hales and Drewes (1979)	M	
	5.6×10^{-1}	4200	Dasgupta and Dong (1986)	T	
	5.7×10^{-1}	4100	Chameides (1984)	T	
	6.1×10^{-1}		Van Krevelen et al. (1949)	X	21
	2.7×10^{-1}	2100	Dean (1992)	?	6

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	5.7×10^{-1}		Abraham et al. (1990)	?	
	6.1×10^{-1}	4100	Seinfeld (1986)	?	11
	5.8×10^{-1}	4100	Hoffmann and Jacob (1984)	?	11
	5.2×10^{-1}		Bone et al. (1983)	?	22
hydrazoic acid	1.2×10^{-1}	3800	Sander et al. (2011)	L	23
HN_3	9.8×10^{-2}	3100	Wilhelm et al. (1977)	L	
[7782-79-8]	1.2×10^{-1}	3700	Betterton and Robinson (1997)	M	
	9.9×10^{-2}		Templeton and King (1971)	M	24
dinitrogen monoxide	2.4×10^{-4}	2700	Warneck and Williams (2012)	L	
N_2O	2.4×10^{-4}	2600	Sander et al. (2011)	L	
(nitrous oxide; laughing gas)	2.4×10^{-4}	2600	Sander et al. (2006)	L	
[10024-97-2]	2.4×10^{-4}	2600	Wilhelm et al. (1977)	L	
	1.8×10^{-4}		Steward et al. (1973)	L	20
	2.5×10^{-4}	2700	Weiss and Price (1980)	M	
	2.4×10^{-4}		Joosten and Danckwerts (1972)	M	
	2.4×10^{-4}	2500	Young (1981b)	X	3
	2.4×10^{-4}	2600	Young (1981b)	X	5, 25
		3600	Kühne et al. (2005)	Q	
		2700	Kühne et al. (2005)	?	
	2.4×10^{-4}	2800	Dean (1992)	?	6
	2.5×10^{-4}		Seinfeld (1986)	?	11
	2.5×10^{-4}		Liss and Slater (1974)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
nitrogen monoxide	1.9×10^{-5}	1600	Warneck and Williams (2012)	L	
NO	1.9×10^{-5}	1600	Sander et al. (2011)	L	26
(nitric oxide)	1.9×10^{-5}	1600	Sander et al. (2006)	L	27
[10102-43-9]	1.9×10^{-5}	1500	Schwartz and White (1981)	L	
			Wilhelm et al. (1977)	L	7
	1.3×10^{-5}		Zafiriou and McFarland (1980)	M	28
	1.9×10^{-5}	1500	Komiyama and Inoue (1978)	M	
	1.9×10^{-5}	1600	Winkler (1901)	M	
	1.9×10^{-5}	1400	Young (1981b)	X	3, 29
	1.9×10^{-5}	1400	Young (1981b)	X	5
	1.9×10^{-5}	1700	Loomis (1928)	C	
		1500	Kühne et al. (2005)	Q	
		1600	Kühne et al. (2005)	?	
	1.9×10^{-5}	1700	Dean (1992)	?	6
	1.9×10^{-5}		Seinfeld (1986)	?	11
	1.9×10^{-5}		Andrew and Hanson (1961)	?	
nitrogen dioxide	9.9×10^{-5}		Warneck and Williams (2012)	L	
NO_2	1.2×10^{-4}	2400	Sander et al. (2011)	L	
[10102-44-0]	1.4×10^{-4}		Sander et al. (2006)	L	
	1.2×10^{-4}		Schwartz and White (1981)	L	
	1.4×10^{-4}		Cheung et al. (2000)	M	
	6.9×10^{-5}		Lee and Schwartz (1981)	M	30
	1.2×10^{-4}	2500	Chameides (1984)	T	
	3.4×10^{-4}	1800	Berdnikov and Bazhin (1970)	T	12
	2.4×10^{-4}		Komiyama and Inoue (1980)	X	31
			Pandis and Seinfeld (1989)	C	32
	9.9×10^{-5}		Seinfeld (1986)	?	11
	4.0×10^{-4}		Andrew and Hanson (1961)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
nitrogen trioxide	3.8×10^{-4}		Sander et al. (2011)	L	
NO_3	3.8×10^{-4}		Sander et al. (2006)	L	
(nitrate radical)	1.8×10^{-2}		Thomas et al. (1998)	M	
[12033-49-7]	5.9×10^{-3}		Rudich et al. (1996)	M	33
	1.2×10^{-1}	1900	Chameides (1986)	T	
	3.4×10^{-4}	2000	Berdnikov and Bazhin (1970)	T	12
			Pandis and Seinfeld (1989)	C	7
			Jacob (1986)	E	34
			Seinfeld and Pandis (1998)	?	35
dinitrogen trioxide	5.9×10^{-3}		Schwartz and White (1981)	L	
N_2O_3	2.5×10^{-1}		Komiyama and Inoue (1978)	M	
[10544-73-7]					
dinitrogen tetroxide	1.4×10^{-2}		Schwartz and White (1981)	L	
N_2O_4	1.6×10^{-2}	3500	Komiyama and Inoue (1978)	M	
[10544-72-6]	3.1×10^{-2}		Andrew and Hanson (1961)	M	
dinitrogen pentoxide	2.1×10^{-2}	3400	Fried et al. (1994)	T	36
N_2O_5			Sander and Crutzen (1996)	E	37
(nitric anhydride)			Jacob (1986)	E	37
[10102-03-1]					
nitrous acid	4.8×10^{-1}	4800	Schwartz and White (1981)	L	
HNO_2	4.7×10^{-1}	4900	Becker et al. (1998)	M	
[7782-77-6]	4.7×10^{-1}	4900	Becker et al. (1996)	M	
	4.8×10^{-1}	4900	Park and Lee (1988)	M	
	3.7×10^{-1}	9000	Komiyama and Inoue (1978)	M	
	4.7×10^{-1}	4700	Martin (1984)	T	
	4.8×10^{-1}	4800	Chameides (1984)	T	
	4.8×10^{-1}		Seinfeld (1986)	?	11

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
nitric acid	8.8×10^{2}		Durham et al. (1981)	V	
HNO_3	2.1×10^{3}	8700	Lelieveld and Crutzen (1991)	R	38
[7697-37-2]			Clegg and Brimblecombe (1990)	T	39, 40
			Brimblecombe and Clegg (1989)	T	39, 41
			Brimblecombe and Clegg (1988)	T	42
	2.6×10^{4}	8700	Chameides (1984)	T	
	2.1×10^{3}		Schwartz and White (1981)	T	
			Pandis and Seinfeld (1989)	C	43
	2.1×10^{3}		Seinfeld (1986)	?	11
	3.4×10^{3}	8800	Hoffmann and Jacob (1984)	?	11
pernitric acid	3.9×10^{-1}	8400	Leu and Zhang (1999)	L	
HNO_4	3.9×10^{1}		Amels et al. (1996)	M	
[26404-66-0]	1.2×10^{2}	6900	Régimbal and Mozurkewich (1997)	T	
	1.4×10^{2}		Warneck (1999)	C	
	2.0×10^{2}	0	Jacob et al. (1989)	C	
			Möller and Mauersberger (1992)	E	44
Fluorine (F)					
fluorine atom	2.0×10^{-4}	400	Berdnikov and Bazhin (1970)	T	12
F					
[14762-94-8]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
hydrogen fluoride	1.3×10^{2}		Fredenhagen and Wellmann (1932a)	M	
HF			Brimblecombe and Clegg (1989)	T	39, 45
[7664-39-3]			Brimblecombe and Clegg (1988)	T	42
difluorine monoxide	2.9×10^{-5}		Kruis and May (1962)	C	
F_2O					
[7783-41-7]					
nitrogen trifluoride	7.9×10^{-6}	1900	Sander et al. (2011)	L	
NF_3	7.9×10^{-6}	1900	Wilhelm et al. (1977)	L	
[7783-54-2]	8.2×10^{-6}	1900	Ashton et al. (1968)	M	
dinitrogen tetrafluoride	8.4×10^{-6}	2500	Sander et al. (2011)	L	
N_2F_4	8.4×10^{-6}	2500	Wilhelm et al. (1977)	L	
(tetrafluorohydrazine)					
[10036-47-2]					
Chlorine (Cl)					
chlorine (molecular)	9.2×10^{-4}	2000	Sander et al. (2011)	L	
Cl_2	9.2×10^{-4}	2000	Sander et al. (2006)	L	
[7782-50-5]	9.0×10^{-4}	2500	Wilhelm et al. (1977)	L	
	3.8×10^{-2}	3100	Martikainen et al. (1987)	M	46
	7.5×10^{-4}		Lin and Pehkonen (1998)	R	
	6.1×10^{-4}	3200	Brian et al. (1962)	R	
	6.1×10^{-4}	2800	Wagman et al. (1982)	T	
	9.3×10^{-4}	2100	Young (1983)	X	5
	9.1×10^{-4}		Bartlett and Margerum (1999)	?	11, 47
	9.2×10^{-4}	2300	Dean (1992)	?	6

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
			Kruis and May (1962)	?	48
chlorine atom	2.3×10^{-2}		Sander et al. (2011)	L	
Cl	2.3×10^{-2}		Sander et al. (2006)	L	
[22537-15-1]	2.0×10^{-3}		Mozurkewich (1986)	T	49
	1.5×10^{-4}	1500	Berdnikov and Bazhin (1970)	T	12
hydrogen chloride			Clegg and Brimblecombe (1986)	L	50
HCl	1.5×10^{1}		Chen et al. (1979)	R	
[7647-01-0]			Carslaw et al. (1995)	T	39, 51
			Brimblecombe and Clegg (1989)	T	39, 52
			Brimblecombe and Clegg (1988)	T	42
	1.1×10^{-2}	2300	Marsh and McElroy (1985)	T	
			Wagman et al. (1982)	T	39, 53
			Pandis and Seinfeld (1989)	C	54
	2.0×10^{-1}		Graedel and Goldberg (1983)	C	
			Seinfeld and Pandis (1998)	?	35
	1.9×10^{-1}	600	Dean (1992)	?	6
	2.5×10^{1}		Seinfeld (1986)	?	11
hypochlorous acid	6.5	5900	Sander et al. (2011)	L	
HOCl	6.5	5900	Sander et al. (2006)	L	
[7790-92-3]	6.5	5900	Huthwelker et al. (1995)	L	
	9.1		Blatchley III et al. (1992)	M	9
	4.7	1600	Hanson and Ravishankara (1991)	M	55
	6.0	4900	Holzwarth et al. (1984)	M	56
	2.6	5100	Wagman et al. (1982)	T	
	5.4		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
perchloric acid $HClO_4$ [7601-90-3]	9.9×10^{3}		Jaeglé et al. (1996)	E	57
monochlorine monoxide	7.0×10^{-3}		Sander et al. (2011)	L	
ClO	7.0×10^{-3}		Sander et al. (2006)	L	
[14989-30-1]					
dichlorine monoxide	1.7×10^{-1}	1800	Sander et al. (2011)	L	
Cl_2O	1.7×10^{-1}	1800	Sander et al. (2006)	L	
[7791-21-1]	1.7×10^{-1}	1800	Wilhelm et al. (1977)	L	
	1.7×10^{-1}	1700	Young (1983)	X	5
chlorine dioxide	1.0×10^{-2}	3500	Sander et al. (2011)	L	
ClO_2	1.0×10^{-2}	3500	Sander et al. (2006)	L	
[10049-04-4]	1.0×10^{-2}	3300	Wilhelm et al. (1977)	L	
	1.0×10^{-2}	3300	Young (1983)	X	3
	9.9×10^{-3}	3300	Young (1983)	X	5, 25
nitrosyl chloride NOCl [2696-92-6]			Scheer et al. (1997)	M	58
nitryl chloride	4.5×10^{-4}		Frenzel et al. (1998)	E	
$ClNO_2$	2.4×10^{-4}		Behnke et al. (1997)	E	59
[13444-90-1]	3.9×10^{-4}		Roberts et al. (2008)	?	
chlorine nitrate $ClNO_3$ [14545-72-3]			Sander and Crutzen (1996)	E	37

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
chloramine	8.6×10^{-1}	6000	Sander et al. (2011)	L	
NH_2Cl	8.6×10^{-1}	6000	Sander et al. (2006)	L	
(chloramide)	9.2×10^{-1}	4800	Holzwarth et al. (1984)	M	
[10599-90-3]					
dichloroamine	2.9×10^{-1}	4200	Sander et al. (2011)	L	
$NHCl_2$	2.9×10^{-1}	4200	Sander et al. (2006)	L	
(chlorimide)	2.8×10^{-1}	4200	Holzwarth et al. (1984)	M	
[3400-09-7]					
nitrogen trichloride	9.9×10^{-4}	4100	Sander et al. (2011)	L	
NCl_3	9.9×10^{-4}	4100	Sander et al. (2006)	L	
[10025-85-1]	9.9×10^{-4}	4100	Holzwarth et al. (1984)	M	
Bromine (Br)					
bromine (molecular)	7.2×10^{-3}	4400	Sander et al. (2011)	L	
Br_2	7.2×10^{-3}	4400	Sander et al. (2006)	L	
[7726-95-6]	1.8×10^{-2}	3600	Dubik et al. (1987)	M	60
	6.8×10^{-3}		Hill et al. (1968)	M	
	9.6×10^{-3}		Jenkins and King (1965)	M	9
	7.0×10^{-3}	4100	Kelley and Tartar (1956)	M	
	7.8×10^{-3}	3800	Winkler (1906)	M	
	7.9×10^{-3}	3600	Winkler (1899)	M	
	8.3×10^{-3}	4100	Fogg and Sangster (2003)	V	
	7.9×10^{-3}	3900	Jenkins and King (1965)	R	
	7.2×10^{-3}	4000	Wagman et al. (1982)	T	
	7.6×10^{-3}		Bartlett and Margerum (1999)	?	11, 47
	7.5×10^{-3}	4100	Dean (1992)	?	6

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
bromine atom	1.2×10^{-2}		Mozurkewich (1986)	T	49
Br	3.4×10^{-4}	1800	Berdnikov and Bazhin (1970)	T	12
[10097-32-2]					
hydrogen bromide			Carslaw et al. (1995)	T	39, 61
HBr			Brimblecombe and Clegg (1989)	T	39, 62
[10035-10-6]			Brimblecombe and Clegg (1988)	T	42
			Wagman et al. (1982)	T	39, 63
			Chameides and Stelson (1992)	?	64
	2.4×10^{-1}	370	Dean (1992)	?	6
hypobromous acid			Sander et al. (2011)	L	65
HOBr			Sander et al. (2006)	L	66
[13517-11-8]			Fickert (1998)	M	67
			Blatchley III et al. (1992)	M	9, 68
	1.8×10^{-2}	4000	Mozurkewich (1995)	T	69
	6.0×10^{1}		Frenzel et al. (1998)	E	
	9.1×10^{-1}		Vogt et al. (1996)	E	
nitryl bromide $BrNO_2$ [13536-70-4]	3.0×10^{-3}		Frenzel et al. (1998)	E	
bromine nitrate $BrNO_3$ [40423-14-1]			Sander and Crutzen (1996)	E	37

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
bromine chloride	9.7×10^{-3}	5600	Sander et al. (2011)	L	
BrCl	9.7×10^{-3}	5600	Sander et al. (2006)	L	
[13863-41-7]			Katrib et al. (2001)	M	70
	1.5×10^{-2}		Disselkamp et al. (1999)	M	71
	9.3×10^{-3}	5600	Bartlett and Margerum (1999)	M	
	4.2×10^{-2}	4000	Dubik et al. (1987)	M	60
	1.1×10^{-2}		this work	T	72
	5.8×10^{-3}		Frenzel et al. (1998)	E	
Iodine (I)					
iodine (molecular)	2.8×10^{-2}	4300	Eguchi et al. (1973)	M	
I_2	2.8×10^{-2}	3900	Fogg and Sangster (2003)	V	
[7553-56-2]	3.0×10^{-2}	4400	Palmer et al. (1985)	R	
	3.1×10^{-2}	4600	Berdnikov and Bazhin (1970)	R	
	3.2×10^{-2}	4800	Wagman et al. (1982)	T	
	1.1×10^{-2}		Thompson and Zafiriou (1983)	C	73
iodine atom	7.9×10^{-4}		Mozurkewich (1986)	T	74
I	6.2×10^{-5}	2300	Berdnikov and Bazhin (1970)	T	12
[14362-44-8]					
hydrogen iodide			Brimblecombe and Clegg (1989)	T	39, 75
HI			Brimblecombe and Clegg (1988)	T	42
[10034-85-2]			Wagman et al. (1982)	T	39, 76
hypoiodous acid			Palmer et al. (1985)	C	77
HOI			Thompson and Zafiriou (1983)	E	78
[14332-21-9]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
iodine chloride	1.1		Wagman et al. (1982)	T	
ICl					
[7790-99-0]					
iodine bromide	2.4×10^{-1}		Wagman et al. (1982)	T	
IBr					
[7789-33-5]					
Sulfur (S)					
hydrogen sulfide	1.0×10^{-3}	2100	Sander et al. (2011)	L	
H_2S	1.0×10^{-3}	2100	Sander et al. (2006)	L	
[7783-06-4]	1.0×10^{-3}	2000	Fernández-Prini et al. (2003)	L	1
	1.0×10^{-3}	2200	Carroll and Mather (1989)	L	
	1.0×10^{-3}	2100	Edwards et al. (1978)	L	
	1.0×10^{-3}	2100	Wilhelm et al. (1977)	L	
			Chapoy et al. (2005)	M	79
	9.1×10^{-4}	1700	Rinker and Sandall (2000)	M	
	8.6×10^{-4}	2100	De Bruyn et al. (1995b)	M	
	1.1×10^{-3}	2300	Suleimenov and Krupp (1994)	M	
	9.4×10^{-4}	2300	Barrett et al. (1988)	M	
	1.0×10^{-3}	2100	Winkler (1906)	M	
	9.6×10^{-4}	2000	Iliuta and Larachi (2007)	R	
	1.0×10^{-3}		Hine and Weimar (1965)	R	
	1.0×10^{-3}	1900	Fogg and Young (1988)	X	5
	1.0×10^{-3}	2300	Dean (1992)	?	6

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
sulfur dioxide	1.3×10^{-2}	2900	Sander et al. (2011)	L	
SO_2	1.3×10^{-2}	2900	Sander et al. (2006)	L	
[7446-09-5]	1.2×10^{-2}	3200	Maahs (1982)	L	
	1.2×10^{-2}	3000	Edwards et al. (1978)	L	
	1.4×10^{-2}	2800	Wilhelm et al. (1977)	L	
	1.2×10^{-2}	3100	Johnstone and Leppla (1934)	M	
	1.2×10^{-2}	3100	Chameides (1984)	T	
	1.3×10^{-2}	2900	Young (1983)	X	5
	1.1×10^{-2}		Terraglio and Manganelli (1967)	X	80
	1.2×10^{-2}	3100	Pandis and Seinfeld (1989)	C	
	1.5×10^{-2}	2900	Dean (1992)	?	6
	1.2×10^{-2}	3100	Seinfeld (1986)	?	11
	1.2×10^{-2}	3100	Hoffmann and Jacob (1984)	?	11
sulfur trioxide SO_3 [7446-11-9]			Sander and Crutzen (1996)	E	37
sulfuric acid H_2SO_4 [7664-93-9]			Marti et al. (1997)	M	81
			Ayers et al. (1980)	M	82
			Gmitro and Vermeulen (1964)	M	83
			Clegg et al. (1998)	V	84
	1.3×10^{13}	20000	Hoffmann and Calvert (1985)	T	
	2.9×10^{7}	10000	Ayers (1983)	T	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
sulfur hexafluoride	2.4×10^{-6}	3100	Warneck and Williams (2012)	L	
SF_6	2.5×10^{-6}	2100	Fernández-Prini et al. (2003)	L	1
[2551-62-4]	2.4×10^{-6}	2400	Wilhelm et al. (1977)	L	
	2.4×10^{-6}	2900	Bullister et al. (2002)	M	
	1.4×10^{-6}		Guitart et al. (1989)	M	20
	2.4×10^{-6}		Park et al. (1982)	M	
	2.6×10^{-6}	2400	Ashton et al. (1968)	M	
		3200	Kühne et al. (2005)	Q	
		2800	Kühne et al. (2005)	?	
sulfuryl fluoride SO_2F_2 [2699-79-8]	8.9×10^{-5}	3100	Cady and Misra (1974)	M	
Rare gases (He, Ne, Ar, Kr, Xe, Rn)					
helium	3.9×10^{-6}	15	Fernández-Prini et al. (2003)	L	1
He	3.8×10^{-6}	83	Abraham and Matteoli (1988)	L	
[7440-59-7]	3.8×10^{-6}	92	Wilhelm et al. (1977)	L	
	3.9×10^{-6}	69	Krause Jr. and Benson (1989)	M	
	3.7×10^{-6}	360	Morrison and Johnstone (1954)	M	
	3.8×10^{-6}	83	Clever (1979a)	X	3, 85
	3.8×10^{-6}	120	Clever (1979a)	X	5, 86
	3.7×10^{-6}	440	Dean (1992)	?	6
	3.8×10^{-6}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
neon	4.5×10^{-6}	430	Fernández-Prini et al. (2003)	L	1
Ne	4.4×10^{-6}	470	Abraham and Matteoli (1988)	L	
[7440-01-9]	4.4×10^{-6}	450	Wilhelm et al. (1977)	L	
	4.5×10^{-6}	440	Krause Jr. and Benson (1989)	M	
	4.4×10^{-6}	510	Crovetto et al. (1982)	M	
	4.5×10^{-6}	530	Morrison and Johnstone (1954)	M	
	4.5×10^{-6}	470	Clever (1979a)	X	5
	4.5×10^{-6}	640	Dean (1992)	?	6
	4.4×10^{-6}		Abraham et al. (1990)	?	
argon	1.4×10^{-5}	1700	Warneck and Williams (2012)	L	
Ar	1.4×10^{-5}	1400	Fernández-Prini et al. (2003)	L	1
[7440-37-1]	1.4×10^{-5}	1500	Abraham and Matteoli (1988)	L	
	1.4×10^{-5}	1500	Wilhelm et al. (1977)	L	
	1.4×10^{-5}	1600	Rettich et al. (1992)	M	
	1.4×10^{-5}	1400	Krause Jr. and Benson (1989)	M	
	1.4×10^{-5}		Park et al. (1982)	M	
	1.4×10^{-5}	1500	Crovetto et al. (1982)	M	
	1.4×10^{-5}	1400	Ashton et al. (1968)	M	
	1.4×10^{-5}	1100	Morrison and Johnstone (1954)	M	
	1.5×10^{-5}	1400	Winkler (1906)	M	
	1.4×10^{-5}	1500	Clever (1980)	X	3
	1.4×10^{-5}	1500	Clever (1980)	X	5
	1.4×10^{-5}	1700	Dean (1992)	?	6
	1.4×10^{-5}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
krypton	2.5×10^{-5}	1700	Fernández-Prini et al. (2003)	L	1
Kr	2.5×10^{-5}	1900	Abraham and Matteoli (1988)	L	
[7439-90-9]	2.5×10^{-5}	1900	Wilhelm et al. (1977)	L	
	2.0×10^{-5}		Steward et al. (1973)	L	20
	2.5×10^{-5}	1800	Krause Jr. and Benson (1989)	M	
	2.5×10^{-5}	1900	Crovetto et al. (1982)	M	
	2.4×10^{-5}	1500	Morrison and Johnstone (1954)	M	
	2.5×10^{-5}	1900	Clever (1979b)	X	3
	2.5×10^{-5}	1900	Clever (1979b)	X	5
	2.5×10^{-5}	2100	Dean (1992)	?	6
	2.5×10^{-5}		Abraham et al. (1990)	?	
xenon	4.4×10^{-5}	2200	Fernández-Prini et al. (2003)	L	1
Xe	4.3×10^{-5}	2300	Abraham and Matteoli (1988)	L	
[7440-63-3]	4.2×10^{-5}	2200	Wilhelm et al. (1977)	L	
	3.3×10^{-5}		Steward et al. (1973)	L	20
	4.3×10^{-5}	2300	Krause Jr. and Benson (1989)	M	
	4.2×10^{-5}	2400	Crovetto et al. (1982)	M	
	4.3×10^{-5}	1900	Morrison and Johnstone (1954)	M	
	4.3×10^{-5}	2300	Clever (1979b)	X	5
	4.9×10^{-5}	2500	Dean (1992)	?	6
	4.3×10^{-5}		Abraham et al. (1990)	?	
radon	9.1×10^{-5}	2900	Abraham and Matteoli (1988)	L	
Rn	9.1×10^{-5}	2600	Wilhelm et al. (1977)	L	
[10043-92-2]	9.3×10^{-5}	2600	Clever (1979b)	X	3
	9.2×10^{-5}	2600	Lide and Frederikse (1995)	?	87
	8.3×10^{-5}	3200	Dean (1992)	?	6
	9.1×10^{-5}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
Other elements (Se, P, As, Hg)					
selenium hydride	8.3×10^{-4}	1900	Wilhelm et al. (1977)	L	
H_2Se	8.1×10^{-4}	1700	Fogg and Young (1988)	X	5
[7783-07-5]					
phosphorus trihydride	8.1×10^{-5}	2000	Wilhelm et al. (1977)	L	
PH_3	5.9×10^{-5}	3000	Fu et al. (2013)	M	88
(phosphine)					
[7803-51-2]					
arsenic hydride	8.8×10^{-5}	2100	Wilhelm et al. (1977)	L	
AsH_3					
(arsine)					
[7784-42-1]					
mercury	1.1×10^{-3}	4800	Clever et al. (1985)	L	
Hg	1.3×10^{-3}	2700	Andersson et al. (2008)	M	
[7439-97-6]	1.3×10^{-3}	2500	Sanemasa (1975)	M	
	8.7×10^{-4}		Mackay and Leinonen (1975)	V	
	1.1×10^{-3}	5700	Glew and Hames (1971)	V	
	1.2×10^{-3}	2300	Clever (1987)	X	89
	1.2×10^{-3}		Shon et al. (2005)	C	
	1.3×10^{-3}		Petersen et al. (1998)	?	90
	9.2×10^{-4}		Brimblecombe (1986)	?	91
mercury(II) oxide	2.7×10^{10}		Hedgecock et al. (2005)	?	92
HgO	3.2×10^{4}		Shon et al. (2005)	?	93
[21908-53-2]	1.4×10^{4}		Petersen et al. (1998)	?	90

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
mercury dihydroxide	1.3×10^{2}	4200	Lindqvist and Rodhe (1985)	C	
$Hg(OH)_2$					
[12135-13-6]					
mercury dichloride	1.0×10^{3}		Severit (1997)	M	94
$HgCl_2$	1.6×10^{4}		Abraham et al. (2008)	V	
[7487-94-7]	4.2×10^{4}		Abraham et al. (2008)	V	
	1.3×10^{4}	7400	Kanefke (2008)	R	
	2.4×10^{5}		Shon et al. (2005)	C	
	1.4×10^{4}	5300	Lindqvist and Rodhe (1985)	C	
	4.2×10^{4}	7400	Abraham et al. (2008)	Q	95
	1.4×10^{4}	9500	Braun and Dransfeld (1989)	?	
	6.3×10^{2}		Iverfeldt and Persson (1985)	?	96
mercury dibromide	1.2×10^{3}		Abraham et al. (2008)	V	
$HgBr_2$	9.6×10^{2}	7400	Kanefke (2008)	C	
[7789-47-1]	4.4×10^{3}	7100	Abraham et al. (2008)	Q	95
	2.7×10^{4}		Hedgecock et al. (2005)	?	97
	5.2×10^{1}		Iverfeldt and Persson (1985)	?	96
mercury diiodide	5.7×10^{1}		Abraham et al. (2008)	V	
HgI_2	2.0×10^{2}	6700	Abraham et al. (2008)	Q	95
[7774-29-0]	1.9		Iverfeldt and Persson (1985)	?	96
Hydrocarbons (C, H)					
Alkanes					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
methane	1.4×10^{-5}	1900	Warneck and Williams (2012)	L	
CH_4	1.4×10^{-5}	1600	Sander et al. (2011)	L	
[74-82-8]	1.4×10^{-5}	1600	Sander et al. (2006)	L	
	1.4×10^{-5}	1500	Fernández-Prini et al. (2003)	L	1
	1.4×10^{-5}	1600	Abraham and Matteoli (1988)	L	
	1.5×10^{-5}		Mackay and Shiu (1981)	L	
	1.4×10^{-5}	1700	Wilhelm et al. (1977)	L	
	1.3×10^{-5}	1400	Reichl (1995)	M	
	1.2×10^{-5}		Guitart et al. (1989)	M	20
	1.4×10^{-5}	1600	Crovetto et al. (1982)	M	
	1.4×10^{-5}	1600	Rettich et al. (1981)	M	
	1.3×10^{-5}	1900	Winkler (1901)	M	
	1.5×10^{-5}		Meylan and Howard (1991)	V	
	1.5×10^{-5}		Hine and Mookerjee (1975)	V	
	9.2×10^{-5}		Butler and Ramchandani (1935)	V	
	1.4×10^{-5}		Hine and Weimar (1965)	R	
	1.4×10^{-5}	1600	Clever and Young (1987)	X	3
	1.4×10^{-5}	1600	Clever and Young (1987)	X	5, 25
	9.6×10^{-6}		Liss and Slater (1974)	C	
	1.3×10^{-5}		Deno and Berkheimer (1960)	C	
	2.5×10^{-5}		Hilal et al. (2008)	Q	
		2300	Kühne et al. (2005)	Q	
	1.6×10^{-5}		Nirmalakhandan et al. (1997)	Q	
	2.4×10^{-5}		Meylan and Howard (1991)	Q	
		1700	Kühne et al. (2005)	?	
	1.6×10^{-5}		Yaws (1999)	?	
	1.3×10^{-5}	1900	Dean (1992)	?	6
	1.5×10^{-5}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.4×10^{-5}		Abraham et al. (1990)	?	
ethane	1.9×10^{-5}	2400	Sander et al. (2011)	L	
C_2H_6	1.9×10^{-5}	2400	Sander et al. (2006)	L	
[74-84-0]	1.9×10^{-5}	2400	Fernández-Prini et al. (2003)	L	1
	1.9×10^{-5}	2300	Abraham and Matteoli (1988)	L	
	2.0×10^{-5}		Mackay and Shiu (1981)	L	
	1.8×10^{-5}	2400	Wilhelm et al. (1977)	L	
	2.0×10^{-5}	2200	Reichl (1995)	M	
	1.3×10^{-5}		Guitart et al. (1989)	M	20
	1.9×10^{-5}	2300	Rettich et al. (1981)	M	
	1.9×10^{-5}	2700	Winkler (1901)	M	
	2.0×10^{-5}		Hine and Mookerjee (1975)	V	
	1.0×10^{-4}		Butler and Ramchandani (1935)	V	
	1.9×10^{-5}	2300	Hayduk (1982)	X	3
	1.9×10^{-5}	2300	Hayduk (1982)	X	5
	1.8×10^{-5}		Deno and Berkheimer (1960)	C	
	2.0×10^{-5}		Hilal et al. (2008)	Q	
		2600	Kühne et al. (2005)	Q	
	2.2×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
	1.1×10^{-5}		Irmann (1965)	Q	
		2500	Kühne et al. (2005)	?	
	1.8×10^{-5}	2800	Dean (1992)	?	6
	2.0×10^{-5}		Yaws and Yang (1992)	?	98
	1.9×10^{-5}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
propane	1.5×10^{-5}	2700	Sander et al. (2011)	L	
C_3H_8	1.5×10^{-5}	2700	Sander et al. (2006)	L	
[74-98-6]	1.5×10^{-5}	2800	Abraham and Matteoli (1988)	L	
	1.4×10^{-5}		Mackay and Shiu (1981)	L	
	1.5×10^{-5}	2700	Wilhelm et al. (1977)	L	
	1.5×10^{-5}	2700	Reichl (1995)	M	
	9.7×10^{-6}		Guitart et al. (1989)	M	20
	1.4×10^{-5}		Hine and Mookerjee (1975)	V	
	1.3×10^{-5}		Irmann (1965)	V	
	1.5×10^{-5}	2700	Hayduk (1986)	X	3, 99
	1.5×10^{-5}	2700	Hayduk (1986)	X	5
	1.4×10^{-5}		Deno and Berkheimer (1960)	C	
	1.4×10^{-5}		Hilal et al. (2008)	Q	
		2900	Kühne et al. (2005)	Q	
	1.6×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
	1.3×10^{-5}		Irmann (1965)	Q	
		2800	Kühne et al. (2005)	?	
	1.4×10^{-5}		Yaws and Yang (1992)	?	98
	1.5×10^{-5}		Abraham et al. (1990)	?	
butane	1.2×10^{-5}	3100	Sander et al. (2011)	L	100
C_4H_{10}	1.2×10^{-5}	3100	Sander et al. (2006)	L	101
[106-97-8]	1.3×10^{-5}	3100	Abraham and Matteoli (1988)	L	
	1.0×10^{-5}		Mackay and Shiu (1981)	L	
	1.2×10^{-5}	3100	Wilhelm et al. (1977)	L	
	8.0×10^{-6}		Guitart et al. (1989)	M	20
	1.0×10^{-5}		Mackay et al. (2006a)	V	
	1.0×10^{-5}		Mackay et al. (1993)	V	
	9.6×10^{-6}		Hwang et al. (1992)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.1×10^{-5}		Hine and Mookerjee (1975)	V	
	1.2×10^{-5}		Irmann (1965)	V	
	4.8×10^{-5}		Butler and Ramchandani (1935)	V	
	1.2×10^{-5}	3000	Hayduk (1986)	X	3
	1.2×10^{-5}	3100	Hayduk (1986)	X	5
	1.1×10^{-5}		Deno and Berkheimer (1960)	C	
	1.2×10^{-5}		Hilal et al. (2008)	Q	
		3300	Kühne et al. (2005)	Q	
	1.2×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
	1.2×10^{-5}		Irmann (1965)	Q	
		3300	Kühne et al. (2005)	?	
	1.1×10^{-5}		Yaws and Yang (1992)	?	98
	1.2×10^{-5}		Abraham et al. (1990)	?	
2-methylpropane	9.1×10^{-6}	2700	Sander et al. (2011)	L	102
$HC(CH_3)_3$	9.1×10^{-6}	2700	Sander et al. (2006)	L	103
(isobutane)	8.3×10^{-6}		Mackay and Shiu (1981)	L	
[75-28-5]	8.0×10^{-6}	2700	Wilhelm et al. (1977)	L	
	8.3×10^{-6}		Mackay et al. (2006a)	V	
	8.3×10^{-6}		Mackay et al. (1993)	V	
	8.4×10^{-6}		Hine and Mookerjee (1975)	V	
	9.7×10^{-6}		Irmann (1965)	V	
	2.7×10^{-5}	2400	Hayduk (1986)	X	3, 104
	9.2×10^{-6}	2700	Hayduk (1986)	X	5
	5.6×10^{-6}		Hilal et al. (2008)	Q	
		3300	Kühne et al. (2005)	Q	
	1.0×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.1×10^{-5}		Irmann (1965)	Q	
		2900	Kühne et al. (2005)	?	
	8.5×10^{-6}		Yaws and Yang (1992)	?	98
	8.0×10^{-6}		Abraham et al. (1990)	?	
	7.9×10^{-6}		Abraham (1979)	?	
pentane	8.0×10^{-6}	3400	Abraham and Matteoli (1988)	L	
C_5H_{12}	8.0×10^{-6}		Mackay and Shiu (1981)	L	
[109-66-0]	1.1×10^{-5}	2300	Jou and Mather (2000)	M	105
	8.2×10^{-6}	3600	Jönsson et al. (1982)	M	
	7.8×10^{-6}		Rytting et al. (1978)	M	
	7.8×10^{-6}		Mackay et al. (2006a)	V	
	7.8×10^{-6}		Mackay et al. (1993)	V	
	8.3×10^{-6}		Eastcott et al. (1988)	V	
	7.8×10^{-6}		Amoore and Buttery (1978)	V	
	7.9×10^{-6}		Hine and Mookerjee (1975)	V	
		3000	Gill et al. (1976)	T	106
	9.9×10^{-6}		Hilal et al. (2008)	Q	
		3600	Kühne et al. (2005)	Q	
	9.9×10^{-6}		Nirmalakhandan and Speece (1988a)	Q	
		4200	Kühne et al. (2005)	?	
	7.8×10^{-6}		Yaws and Yang (1992)	?	98
	8.0×10^{-6}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methylbutane	7.2×10^{-6}		Mackay and Shiu (1981)	L	
C_5H_{12}	7.2×10^{-6}		Mackay et al. (2006a)	V	
(isopentane)	2.1×10^{-6}		Mackay et al. (1993)	V	
[78-78-4]	7.2×10^{-6}		Eastcott et al. (1988)	V	
	7.2×10^{-6}		Cabani et al. (1981)	V	
	6.4×10^{-6}		Hilal et al. (2008)	Q	
	8.4×10^{-6}		Nirmalakhandan et al. (1997)	Q	
	7.2×10^{-6}		Yaws and Yang (1992)	?	98
dimethylpropane	2.7×10^{-6}		Mackay and Shiu (1981)	L	
$C(CH_3)_4$	5.9×10^{-6}	3300	Wilhelm et al. (1977)	L	
(neopentane)	4.5×10^{-6}		Mackay et al. (2006a)	V	
[463-82-1]	4.5×10^{-6}		Mackay et al. (1993)	V	
	4.5×10^{-6}		Hine and Mookerjee (1975)	V	
	2.5×10^{-6}		Hilal et al. (2008)	Q	
		3600	Kühne et al. (2005)	Q	
	6.2×10^{-6}		Nirmalakhandan and Speece (1988a)	Q	
		3100	Kühne et al. (2005)	?	
	4.7×10^{-6}		Yaws and Yang (1992)	?	98
	5.8×10^{-6}		Abraham et al. (1990)	?	
	5.9×10^{-6}		Abraham (1979)	?	
hexane	6.1×10^{-6}	3800	Abraham and Matteoli (1988)	L	
C_6H_{14}	5.9×10^{-6}		Mackay and Shiu (1981)	L	
[110-54-3]	6.1×10^{-6}		Ryu and Park (1999)	M	
	7.4×10^{-6}		Park et al. (1997)	M	107
	2.4×10^{-4}	8700	Kolb et al. (1992)	M	108
	6.7×10^{-6}		Guitart et al. (1989)	M	20
	9.9×10^{-6}	7500	Ashworth et al. (1988)	M	109

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	6.7×10^{-6}	4200	Tsonopoulos and Wilson (1983)	M	
	5.9×10^{-6}	4000	Jönsson et al. (1982)	M	
	5.4×10^{-6}		Rytting et al. (1978)	M	
	5.5×10^{-6}		Mackay et al. (2006a)	V	
	5.5×10^{-6}		Mackay et al. (1993)	V	
	5.5×10^{-6}		Hwang et al. (1992)	V	
	7.1×10^{-6}		Eastcott et al. (1988)	V	
	6.1×10^{-6}		Cabani et al. (1981)	V	
	5.4×10^{-6}		Hine and Mookerjee (1975)	V	
		3800	Gill et al. (1976)	T	106
	7.7×10^{-6}		Hilal et al. (2008)	Q	
		4000	Kühne et al. (2005)	Q	
	7.9×10^{-6}		Nirmalakhandan and Speece (1988a)	Q	
		4100	Kühne et al. (2005)	?	
	7.6×10^{-6}		Yaws and Yang (1992)	?	98
	6.1×10^{-6}		Abraham et al. (1990)	?	
2-methylpentane	5.9×10^{-6}		Mackay and Shiu (1981)	L	
C_6H_{14}	1.3×10^{-5}	960	Ashworth et al. (1988)	M	109
(isohexane)	5.7×10^{-6}		Mackay et al. (2006a)	V	
[107-83-5]	5.7×10^{-6}		Mackay et al. (1993)	V	
	5.7×10^{-6}		Eastcott et al. (1988)	V	
	5.7×10^{-6}		Hine and Mookerjee (1975)	V	
			Staudinger and Roberts (1996)	R	110
	6.2×10^{-6}		Hilal et al. (2008)	C	
	4.8×10^{-6}		Hilal et al. (2008)	Q	
		4000	Kühne et al. (2005)	Q	
	6.7×10^{-6}		Nirmalakhandan and Speece (1988a)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		4000	Kühne et al. (2005)	?	
	5.7×10^{-6}		Yaws and Yang (1992)	?	98
3-methylpentane	5.8×10^{-6}		Mackay and Shiu (1981)	L	
C_6H_{14}	5.9×10^{-6}		Mackay et al. (2006a)	V	
[96-14-0]	5.9×10^{-6}		Mackay et al. (1993)	V	
	5.9×10^{-6}		Eastcott et al. (1988)	V	
	5.8×10^{-6}		Hine and Mookerjee (1975)	V	
	6.2×10^{-6}		Hilal et al. (2008)	Q	
		4000	Kühne et al. (2005)	Q	
	7.0×10^{-6}		Nirmalakhandan and Speece (1988a)	Q	
		4700	Kühne et al. (2005)	?	
	8.8×10^{-6}		Yaws and Yang (1992)	?	98
2,2-dimethylbutane	5.8×10^{-6}		Mackay and Shiu (1981)	L	
C_6H_{14}	5.0×10^{-6}		Mackay et al. (2006a)	V	
[75-83-2]	5.0×10^{-6}		Mackay et al. (1993)	V	
	5.8×10^{-6}		Eastcott et al. (1988)	V	
	5.1×10^{-6}		Hine and Mookerjee (1975)	V	
	3.4×10^{-6}		Hilal et al. (2008)	Q	
	5.3×10^{-6}		Nirmalakhandan and Speece (1988a)	Q	
	6.5×10^{-6}		Yaws and Yang (1992)	?	98

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3-dimethylbutane	7.7×10^{-6}		Mackay and Shiu (1981)	L	
C_6H_{14}	6.9×10^{-6}		Mackay et al. (2006a)	V	
[79-29-8]	6.9×10^{-6}		Mackay et al. (1993)	V	
	7.1×10^{-6}		Eastcott et al. (1988)	V	
	5.3×10^{-6}		Hilal et al. (2008)	Q	
		4000	Kühne et al. (2005)	Q	
	5.8×10^{-6}		Nirmalakhandan et al. (1997)	Q	
		4200	Kühne et al. (2005)	?	
	7.6×10^{-6}		Yaws and Yang (1992)	?	98
heptane	4.4×10^{-6}	4100	Abraham and Matteoli (1988)	L	
C_7H_{16}	4.3×10^{-6}		Mackay and Shiu (1981)	L	
[142-82-5]	4.5×10^{-6}		Ryu and Park (1999)	M	
	5.5×10^{-6}		Park et al. (1997)	M	107
	1.2×10^{-5}	3700	Hansen et al. (1993)	M	111
	6.0×10^{-6}		Guitart et al. (1989)	M	20
	4.2×10^{-6}	4700	Jönsson et al. (1982)	M	
	4.8×10^{-6}		Rytting et al. (1978)	M	
	4.8×10^{-6}		Mackay et al. (2006a)	V	
	4.8×10^{-6}		Mackay et al. (1993)	V	
	5.0×10^{-6}		Eastcott et al. (1988)	V	
	4.8×10^{-6}		Hine and Mookerjee (1975)	V	
	5.4×10^{-6}		Hilal et al. (2008)	Q	
		4300	Kühne et al. (2005)	Q	
	6.2×10^{-6}		Nirmalakhandan and Speece (1988a)	Q	
		4900	Kühne et al. (2005)	?	
	3.6×10^{-6}		Yaws and Yang (1992)	?	98
	4.4×10^{-6}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methylhexane	2.9×10^{-6}		Mackay and Shiu (1981)	L	
C_7H_{16}	1.9×10^{-5}	-3600	Hansen et al. (1993)	M	111, 112
(isoheptane)	2.9×10^{-6}		Mackay et al. (2006a)	V	
[591-76-4]	2.9×10^{-6}		Mackay et al. (1993)	V	
	2.9×10^{-6}		Eastcott et al. (1988)	V	
	3.7×10^{-6}		Hilal et al. (2008)	Q	
	5.2×10^{-6}		Nirmalakhandan et al. (1997)	Q	
	2.9×10^{-6}		Yaws and Yang (1992)	?	98
3-methylhexane	4.2×10^{-6}		Mackay and Shiu (1981)	L	
C_7H_{16}	4.0×10^{-6}		Mackay et al. (2006a)	V	
[589-34-4]	4.0×10^{-6}		Mackay et al. (1993)	V	
	3.2×10^{-6}		Eastcott et al. (1988)	V	
	4.5×10^{-6}		Hilal et al. (2008)	Q	
	5.3×10^{-6}		Nirmalakhandan et al. (1997)	Q	
	3.2×10^{-6}		Yaws and Yang (1992)	?	98
2,2-dimethylpentane	3.1×10^{-6}		Mackay and Shiu (1981)	L	
C_7H_{16}	3.1×10^{-6}		Mackay et al. (2006a)	V	
[590-35-2]	3.1×10^{-6}		Mackay et al. (1993)	V	
	3.1×10^{-6}		Eastcott et al. (1988)	V	
	2.5×10^{-6}		Hilal et al. (2008)	Q	
	4.1×10^{-6}		Nirmalakhandan et al. (1997)	Q	
	3.1×10^{-6}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3-dimethylpentane	5.7×10^{-6}		Mackay and Shiu (1981)	L	
C_7H_{16}	5.7×10^{-6}		Mackay et al. (1993)	V	
[565-59-3]	5.7×10^{-6}		Eastcott et al. (1988)	V	
	4.8×10^{-6}		Hilal et al. (2008)	Q	
	4.7×10^{-6}		Nirmalakhandan et al. (1997)	Q	
	5.7×10^{-6}		Yaws and Yang (1992)	?	98
2,4-dimethylpentane	3.3×10^{-6}		Mackay and Shiu (1981)	L	
C_7H_{16}	3.1×10^{-6}		Mackay et al. (2006a)	V	
[108-08-7]	3.1×10^{-6}		Mackay et al. (1993)	V	
	3.4×10^{-6}		Eastcott et al. (1988)	V	
	3.1×10^{-6}		Hine and Mookerjee (1975)	V	
	2.2×10^{-6}		Hilal et al. (2008)	Q	
	4.5×10^{-6}		Nirmalakhandan and Speece (1988a)	Q	
	3.3×10^{-6}		Yaws and Yang (1992)	?	98
3,3-dimethylpentane	5.4×10^{-6}		Mackay and Shiu (1981)	L	
C_7H_{16}	5.4×10^{-6}		Mackay et al. (2006a)	V	
[562-49-2]	5.4×10^{-6}		Mackay et al. (1993)	V	
	5.4×10^{-6}		Eastcott et al. (1988)	V	
	4.0×10^{-6}		Hilal et al. (2008)	Q	
		4300	Kühne et al. (2005)	Q	
	4.4×10^{-6}		Nirmalakhandan et al. (1997)	Q	
		3000	Kühne et al. (2005)	?	
	5.3×10^{-6}		Yaws and Yang (1992)	?	98
3-ethylpentane	5.3×10^{-6}		Hilal et al. (2008)	Q	
C_7H_{16}	3.9×10^{-6}		Yaws and Yang (1992)	?	98
[617-78-7]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2,3-trimethylbutane	3.2×10^{-6}		Mackay et al. (2006a)	V	
C_7H_{16}	3.2×10^{-6}		Mackay et al. (1993)	V	
[464-06-2]	3.3×10^{-6}		Hilal et al. (2008)	Q	
	4.1×10^{-6}		Yaws and Yang (1992)	?	98
octane	3.1×10^{-6}	4300	Abraham and Matteoli (1988)	L	
C_8H_{18}	3.3×10^{-6}		Mackay and Shiu (1981)	L	
[111-65-9]	3.4×10^{-6}		Ryu and Park (1999)	M	
	3.3×10^{-6}		Park et al. (1997)	M	107
	3.0×10^{-5}	8000	Hansen et al. (1993)	M	111
	3.1×10^{-6}	4100	Heidman et al. (1985)	M	
	2.9×10^{-6}	5400	Jönsson et al. (1982)	M	
	3.1×10^{-6}		Rytting et al. (1978)	M	
	8.6×10^{-7}		Abraham and Acree Jr. (2007)	V	
	3.2×10^{-6}		Mackay et al. (2006a)	V	
	3.8×10^{-6}	4800	Sarraute et al. (2004)	V	
	3.2×10^{-6}		Mackay et al. (1993)	V	
	3.0×10^{-6}		Hwang et al. (1992)	V	
	3.1×10^{-6}		Meylan and Howard (1991)	V	
	3.2×10^{-6}		Eastcott et al. (1988)	V	
	3.1×10^{-6}		Hine and Mookerjee (1975)	V	
	3.1×10^{-6}		Mackay and Leinonen (1975)	V	
	3.9×10^{-6}		Hilal et al. (2008)	Q	
		4700	Kühne et al. (2005)	Q	
	3.3×10^{-6}		Meylan and Howard (1991)	Q	
	5.0×10^{-6}		Nirmalakhandan and Speece (1988a)	Q	
		5400	Kühne et al. (2005)	?	
	2.0×10^{-6}		Yaws and Yang (1992)	?	98
	3.1×10^{-6}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methylheptane	2.9×10^{-6}		Mackay et al. (2006a)	V	
C_8H_{18}	2.9×10^{-6}		Mackay et al. (1993)	V	
[592-27-8]	2.7×10^{-6}		Hilal et al. (2008)	Q	
	2.7×10^{-6}		Hoff et al. (1993)	?	11
	2.7×10^{-6}		Yaws and Yang (1992)	?	98
3-methylheptane	2.7×10^{-6}		Mackay and Shiu (1981)	L	
C_8H_{18}	2.7×10^{-6}		Eastcott et al. (1988)	V	
[589-81-1]	3.3×10^{-6}		Hilal et al. (2008)	Q	
	4.2×10^{-6}		Nirmalakhandan et al. (1997)	Q	
	2.7×10^{-6}		Yaws and Yang (1992)	?	98
4-methylheptane	3.0×10^{-6}		Hilal et al. (2008)	Q	
C_8H_{18}	2.7×10^{-6}		Yaws and Yang (1992)	?	98
[589-53-7]					
2,2-dimethylhexane	2.6×10^{-6}	5100	Dohányosová et al. (2004)	M	
C_8H_{18}	1.9×10^{-6}		Hilal et al. (2008)	Q	
[590-73-8]		4700	Kühne et al. (2005)	Q	
		5100	Kühne et al. (2005)	?	
	2.9×10^{-6}		Yaws and Yang (1992)	?	98
2,3-dimethylhexane	3.4×10^{-6}		Hilal et al. (2008)	Q	
C_8H_{18}	2.6×10^{-6}		Yaws and Yang (1992)	?	98
[584-94-1]					
2,4-dimethylhexane	1.9×10^{-6}		Hilal et al. (2008)	Q	
C_8H_{18}	2.8×10^{-6}		Yaws and Yang (1992)	?	98
[589-43-5]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,5-dimethylhexane	2.7×10^{-6}	4700	Dohányosová et al. (2004)	M	
C_8H_{18}	1.7×10^{-6}		Hilal et al. (2008)	Q	
[592-13-2]		4700	Kühne et al. (2005)	Q	
		4700	Kühne et al. (2005)	?	
	2.9×10^{-6}		Yaws and Yang (1992)	?	98
3,3-dimethylhexane	2.9×10^{-6}		Hilal et al. (2008)	Q	
C_8H_{18}	2.6×10^{-6}		Yaws and Yang (1992)	?	98
[563-16-6]					
3,4-dimethylhexane	3.8×10^{-6}		Hilal et al. (2008)	Q	
C_8H_{18}	2.4×10^{-6}		Yaws and Yang (1992)	?	98
[583-48-2]					
3-ethylhexane	3.7×10^{-6}		Hilal et al. (2008)	Q	
C_8H_{18}	2.6×10^{-6}		Yaws and Yang (1992)	?	98
[619-99-8]					
2,2,3-trimethylpentane	2.7×10^{-6}		Hilal et al. (2008)	Q	
C_8H_{18}	2.6×10^{-6}		Yaws and Yang (1992)	?	98
[564-02-3]					
2,2,4-trimethylpentane	3.0×10^{-6}		Mackay and Shiu (1981)	L	
C_8H_{18}	4.6×10^{-6}		Guitart et al. (1989)	M	20
(isooctane)	3.3×10^{-6}		Mackay et al. (2006a)	V	
[540-84-1]	3.3×10^{-6}		Mackay et al. (1993)	V	
	3.1×10^{-6}		Eastcott et al. (1988)	V	
	3.3×10^{-6}		Hine and Mookerjee (1975)	V	
	3.2×10^{-6}		Mackay and Leinonen (1975)	V	
	3.3×10^{-6}		Zhang et al. (2010)	Q	113, 114
	1.7×10^{-6}		Zhang et al. (2010)	Q	113, 115
	2.2×10^{-5}		Zhang et al. (2010)	Q	113, 116

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.6×10^{-5}		Zhang et al. (2010)	Q	113, 117
	1.2×10^{-6}		Hilal et al. (2008)	Q	
		4700	Kühne et al. (2005)	Q	
	2.9×10^{-6}		Nirmalakhandan and Speece (1988a)	Q	
		4000	Kühne et al. (2005)	?	
	2.9×10^{-6}		Yaws and Yang (1992)	?	98
2,3,3-trimethylpentane	3.6×10^{-6}		Hilal et al. (2008)	Q	
C_8H_{18} [560-21-4]	2.4×10^{-6}		Yaws and Yang (1992)	?	98
2,3,4-trimethylpentane	5.3×10^{-6}		Mackay and Shiu (1981)	L	
C_8H_{18}			Mackay et al. (2006a)	V	118
[565-75-3]	4.9×10^{-6}		Mackay et al. (1993)	V	
	5.6×10^{-6}		Eastcott et al. (1988)	V	
	3.1×10^{-6}		Hilal et al. (2008)	Q	
		4700	Kühne et al. (2005)	Q	
	3.2×10^{-6}		Nirmalakhandan et al. (1997)	Q	
		4900	Kühne et al. (2005)	?	
	5.6×10^{-6}		Yaws and Yang (1992)	?	98
3-ethyl-2-methylpentane	3.6×10^{-6}		Hilal et al. (2008)	Q	
C_8H_{18} [609-26-7]	2.6×10^{-6}		Yaws and Yang (1992)	?	98
3-ethyl-3-methylpentane	4.5×10^{-6}		Hilal et al. (2008)	Q	
C_8H_{18} [1067-08-9]	2.3×10^{-6}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2,3,3-tetramethylbutane	3.4×10^{-6}		Hilal et al. (2008)	Q	
C_8H_{18} [594-82-1]	2.6×10^{-6}		Yaws and Yang (1992)	?	98
nonane	2.0×10^{-6}		Mackay and Shiu (1981)	L	
C_9H_{20}	2.2×10^{-6}		Ryu and Park (1999)	M	
[111-84-2]	1.9×10^{-6}		Park et al. (1997)	M	107
	2.3×10^{-5}	200	Ashworth et al. (1988)	M	109
	1.8×10^{-6}	7300	Jönsson et al. (1982)	M	
	3.0×10^{-6}		Mackay et al. (2006a)	V	
	3.0×10^{-6}		Mackay et al. (1993)	V	
	1.7×10^{-6}		Eastcott et al. (1988)	V	
	2.0×10^{-6}		Abraham (1984)	V	
	3.0×10^{-6}		Hilal et al. (2008)	Q	
		5000	Kühne et al. (2005)	Q	
	3.8×10^{-6}		Nirmalakhandan et al. (1997)	Q	
		4100	Kühne et al. (2005)	?	
	1.7×10^{-6}		Yaws and Yang (1992)	?	98
2-methyloctane	1.9×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20} [3221-61-2]	2.1×10^{-6}		Yaws and Yang (1992)	?	98
3-methyloctane	2.4×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20} [2216-33-3]	1.9×10^{-6}		Yaws and Yang (1992)	?	98

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-methyloctane	1.0×10^{-6}		Mackay and Shiu (1981)	L	
C_9H_{20}	9.9×10^{-7}		Eastcott et al. (1988)	V	
[2216-34-4]	2.3×10^{-6}		Hilal et al. (2008)	Q	
	9.9×10^{-7}		Yaws and Yang (1992)	?	98
2,3-dimethylheptane	2.4×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.9×10^{-6}		Yaws and Yang (1992)	?	98
[3074-71-3]					
2,2-dimethylheptane	1.4×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	2.1×10^{-6}		Yaws and Yang (1992)	?	98
[1071-26-7]					
2,4-dimethylheptane	1.4×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	2.1×10^{-6}		Yaws and Yang (1992)	?	98
[2213-23-2]					
2,5-dimethylheptane	1.5×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	2.0×10^{-6}		Yaws and Yang (1992)	?	98
[2216-30-0]					
2,6-dimethylheptane	1.2×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	2.1×10^{-6}		Yaws and Yang (1992)	?	98
[1072-05-5]					
3,3-dimethylheptane	2.3×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.9×10^{-6}		Yaws and Yang (1992)	?	98
[4032-86-4]					
3,4-dimethylheptane	2.6×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.8×10^{-6}		Yaws and Yang (1992)	?	98
[922-28-1]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,5-dimethylheptane	1.5×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	2.0×10^{-6}		Yaws and Yang (1992)	?	98
[926-82-9]					
4,4-dimethylheptane	2.1×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.9×10^{-6}		Yaws and Yang (1992)	?	98
[1068-19-5]					
3-ethylheptane	2.6×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.9×10^{-6}		Yaws and Yang (1992)	?	98
[15869-80-4]					
4-ethylheptane	2.5×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.9×10^{-6}		Yaws and Yang (1992)	?	98
[2216-32-2]					
2,2,3-trimethylhexane	1.9×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.9×10^{-6}		Yaws and Yang (1992)	?	98
[16747-25-4]					
2,2,4-trimethylhexane	1.1×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	2.1×10^{-6}		Yaws and Yang (1992)	?	98
[16747-26-5]					
2,2,5-trimethylhexane	2.9×10^{-6}		Mackay and Shiu (1981)	L	
C_9H_{20}	4.1×10^{-6}		Mackay et al. (2006a)	V	
[3522-94-9]	4.1×10^{-6}		Mackay et al. (1993)	V	
	4.1×10^{-6}		Cabani et al. (1981)	V	
	9.0×10^{-7}		Hilal et al. (2008)	Q	
	2.2×10^{-6}		Nirmalakhandan et al. (1997)	Q	
	1.9×10^{-6}		Yaws and Yang (1992)	?	98

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,3-trimethylhexane	2.4×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.7×10^{-6}		Yaws and Yang (1992)	?	98
[16747-28-7]					
2,3,4-trimethylhexane	2.6×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.8×10^{-6}		Yaws and Yang (1992)	?	98
[921-47-1]					
2,3,5-trimethylhexane	1.4×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	2.0×10^{-6}		Yaws and Yang (1992)	?	98
[1069-53-0]					
2,4,4-trimethylhexane	1.4×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.9×10^{-6}		Yaws and Yang (1992)	?	98
[16747-30-1]					
3,3,4-trimethylhexane	2.9×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.7×10^{-6}		Yaws and Yang (1992)	?	98
[16747-31-2]					
3-ethyl-2-methylhexane	2.3×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.9×10^{-6}		Yaws and Yang (1992)	?	98
[16789-46-1]					
4-ethyl-2-methylhexane	1.5×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	2.0×10^{-6}		Yaws and Yang (1992)	?	98
[3074-75-7]					
3-ethyl-3-methylhexane	3.2×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.7×10^{-6}		Yaws and Yang (1992)	?	98
[3074-76-8]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-ethyl-4-methylhexane	3.1×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.8×10^{-6}		Yaws and Yang (1992)	?	98
[3074-77-9]					
2,2,3,3-tetramethylpentane	3.6×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.6×10^{-6}		Yaws and Yang (1992)	?	98
[7154-79-2]					
2,2,3,4-tetramethylpentane	1.9×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.7×10^{-6}		Yaws and Yang (1992)	?	98
[1186-53-4]					
2,2,4,4-tetramethylpentane	9.0×10^{-7}		Hilal et al. (2008)	Q	
C_9H_{20}	1.9×10^{-6}		Yaws and Yang (1992)	?	98
[1070-87-7]					
2,3,3,4-tetramethylpentane	2.7×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.6×10^{-6}		Yaws and Yang (1992)	?	98
[16747-38-9]					
3-ethyl-2,2-dimethylpentane	1.9×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.8×10^{-6}		Yaws and Yang (1992)	?	98
[16747-32-3]					
3-ethyl-2,3-dimethylpentane	3.5×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20}	1.5×10^{-6}		Yaws and Yang (1992)	?	98
[16747-33-4]					

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-ethyl-2,4-dimethylpentane	1.9×10^{-6}		Hilal et al. (2008)	Q	
C_9H_{20} [1068-87-7]	1.8×10^{-6}		Yaws and Yang (1992)	?	98
3,3-diethylpentane		4900	Abraham and Nasehzadeh (1981)	R	
C_9H_{20}	4.1×10^{-6}		Hilal et al. (2008)	Q	
[1067-20-5]	1.5×10^{-6}		Yaws and Yang (1992)	?	98
	9.5×10^{-6}		Abraham et al. (1990)	?	
	9.4×10^{-6}		Abraham (1979)	?	
decane	1.4×10^{-6}		Mackay and Shiu (1981)	L	
$C_{10}H_{22}$	2.1×10^{-6}		Mackay et al. (2006a)	V	
[124-18-5]	2.1×10^{-6}		Mackay et al. (1993)	V	
	2.0×10^{-6}		Hwang et al. (1992)	V	
	2.3×10^{-6}		Eastcott et al. (1988)	V	
	1.9×10^{-6}		Abraham (1984)	V	
	2.2×10^{-6}		Hilal et al. (2008)	Q	
	2.9×10^{-6}		Nirmalakhandan et al. (1997)	Q	
	2.1×10^{-6}		Yaws and Yang (1992)	?	98
2-methylnonane	1.5×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [871-83-0]	1.7×10^{-6}		Yaws and Yang (1992)	?	98
3-methylnonane	1.7×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [5911-04-6]	1.7×10^{-6}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-methylnonane	1.6×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [17301-94-9]	1.6×10^{-6}		Yaws and Yang (1992)	?	98
5-methylnonane	1.7×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [15869-85-9]	1.6×10^{-6}		Yaws and Yang (1992)	?	98
2,2-dimethyloctane	1.3×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [15869-87-1]	1.7×10^{-6}		Yaws and Yang (1992)	?	98
2,3-dimethyloctane	1.7×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [7146-60-3]	1.5×10^{-6}		Yaws and Yang (1992)	?	98
2,4-dimethyloctane	1.2×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [4032-94-4]	1.7×10^{-6}		Yaws and Yang (1992)	?	98
2,5-dimethyloctane	1.3×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [15869-89-3]	1.6×10^{-6}		Yaws and Yang (1992)	?	98
2,6-dimethyloctane	1.2×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [2051-30-1]	1.6×10^{-6}		Yaws and Yang (1992)	?	98
2,7-dimethyloctane	1.0×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [1072-16-8]	1.7×10^{-6}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,3-dimethyloctane $C_{10}H_{22}$ [4110-44-5]	1.7×10^{-6} 1.5×10^{-6}		Hilal et al. (2008) Yaws and Yang (1992)	Q ?	 98
3,4-dimethyloctane $C_{10}H_{22}$ [15869-92-8]	2.0×10^{-6} 1.5×10^{-6}		Hilal et al. (2008) Yaws and Yang (1992)	Q ?	 98
3,5-dimethyloctane $C_{10}H_{22}$ [15869-93-9]	1.4×10^{-6} 1.6×10^{-6}		Hilal et al. (2008) Yaws and Yang (1992)	Q ?	 98
3,6-dimethyloctane $C_{10}H_{22}$ [15869-94-0]	1.3×10^{-6} 1.6×10^{-6}		Hilal et al. (2008) Yaws and Yang (1992)	Q ?	 98
4,4-dimethyloctane $C_{10}H_{22}$ [15869-95-1]	1.5×10^{-6} 1.5×10^{-6}		Hilal et al. (2008) Yaws and Yang (1992)	Q ?	 98
4,5-dimethyloctane $C_{10}H_{22}$ [15869-96-2]	2.1×10^{-6} 1.5×10^{-6}		Hilal et al. (2008) Yaws and Yang (1992)	Q ?	 98
3-ethyloctane $C_{10}H_{22}$ [5881-17-4]	2.2×10^{-6} 1.6×10^{-6}		Hilal et al. (2008) Yaws and Yang (1992)	Q ?	 98
4-ethyloctane $C_{10}H_{22}$ [15869-86-0]	2.4×10^{-6} 1.6×10^{-6}		Hilal et al. (2008) Yaws and Yang (1992)	Q ?	 98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2,3-trimethylheptane $C_{10}H_{22}$ [52896-92-1]	1.6×10^{-6} 1.4×10^{-6}		Hilal et al. (2008) Yaws and Yang (1992)	Q ?	 98
2,2,4-trimethylheptane $C_{10}H_{22}$ [14720-74-2]	1.6×10^{-6}		Yaws and Yang (1992)	?	98
2,2,5-trimethylheptane $C_{10}H_{22}$ [20291-95-6]	1.6×10^{-6}		Yaws and Yang (1992)	?	98
2,2,6-trimethylheptane $C_{10}H_{22}$ [1190-83-6]	1.7×10^{-6}		Yaws and Yang (1992)	?	98
2,3,3-trimethylheptane $C_{10}H_{22}$ [52896-93-2]	1.6×10^{-6} 1.4×10^{-6}		Hilal et al. (2008) Yaws and Yang (1992)	Q ?	 98
2,3,4-trimethylheptane $C_{10}H_{22}$ [52896-95-4]	1.6×10^{-6} 1.4×10^{-6}		Hilal et al. (2008) Yaws and Yang (1992)	Q ?	 98
2,3,5-trimethylheptane $C_{10}H_{22}$ [20278-85-7]	1.1×10^{-6} 1.4×10^{-6}		Hilal et al. (2008) Yaws and Yang (1992)	Q ?	 98
2,3,6-trimethylheptane $C_{10}H_{22}$ [4032-93-3]	1.1×10^{-6} 1.6×10^{-6}		Hilal et al. (2008) Yaws and Yang (1992)	Q ?	 98

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4,4-trimethylheptane	1.1×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [4032-92-2]	1.5×10^{-6}		Yaws and Yang (1992)	?	98
2,4,5-trimethylheptane	1.1×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [20278-84-6]	1.5×10^{-6}		Yaws and Yang (1992)	?	98
2,4,6-trimethylheptane	7.5×10^{-7}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [2613-61-8]	1.8×10^{-6}		Yaws and Yang (1992)	?	98
2,5,5-trimethylheptane	1.1×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [1189-99-7]	1.5×10^{-6}		Yaws and Yang (1992)	?	98
3,3,4-trimethylheptane	1.9×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [20278-87-9]	1.3×10^{-6}		Yaws and Yang (1992)	?	98
3,3,5-trimethylheptane	1.2×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [7154-80-5]	1.4×10^{-6}		Yaws and Yang (1992)	?	98
3,4,4-trimethylheptane	1.9×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [20278-88-0]	1.3×10^{-6}		Yaws and Yang (1992)	?	98
3,4,5-trimethylheptane	2.3×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [20278-89-1]	1.4×10^{-6}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-ethyl-2-methylheptane	2.0×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [14676-29-0]	1.5×10^{-6}		Yaws and Yang (1992)	?	98
4-ethyl-2-methylheptane	1.4×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [52896-88-5]	1.6×10^{-6}		Yaws and Yang (1992)	?	98
5-ethyl-2-methylheptane	1.4×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [13475-78-0]	1.6×10^{-6}		Yaws and Yang (1992)	?	98
3-ethyl-3-methylheptane	2.2×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [17302-01-1]	1.4×10^{-6}		Yaws and Yang (1992)	?	98
4-ethyl-3-methylheptane	2.2×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [52896-89-6]	1.4×10^{-6}		Yaws and Yang (1992)	?	98
3-ethyl-5-methylheptane	1.3×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [52896-90-9]	1.6×10^{-6}		Yaws and Yang (1992)	?	98

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-ethyl-4-methylheptane	2.2×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [52896-91-0]	1.4×10^{-6}		Yaws and Yang (1992)	?	98
4-ethyl-4-methylheptane	2.4×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [17302-04-4]	1.4×10^{-6}		Yaws and Yang (1992)	?	98
4-propylheptane	1.6×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [3178-29-8]	1.7×10^{-6}		Yaws and Yang (1992)	?	98
4-(1-methylethyl)-heptane	2.1×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ (4-isopropylheptane) [52896-87-4]	1.5×10^{-6}		Yaws and Yang (1992)	?	98
2,2,3,3-tetramethylhexane	1.8×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [13475-81-5]	1.2×10^{-6}		Yaws and Yang (1992)	?	98
2,2,3,4-tetramethylhexane	1.2×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [52897-08-2]	1.2×10^{-6}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2,3,5-tetramethylhexane	8.4×10^{-7}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [52897-09-3]	1.6×10^{-6}		Yaws and Yang (1992)	?	98
2,2,4,4-tetramethylhexane	8.8×10^{-7}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [51750-65-3]	1.1×10^{-6}		Yaws and Yang (1992)	?	98
2,2,4,5-tetramethylhexane	8.0×10^{-7}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [16747-42-5]	1.5×10^{-6}		Yaws and Yang (1992)	?	98
2,2,5,5-tetramethylhexane	4.6×10^{-7}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [1071-81-4]	1.8×10^{-6}		Yaws and Yang (1992)	?	98
2,3,3,4-tetramethylhexane	1.4×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [52897-10-6]	1.2×10^{-6}		Yaws and Yang (1992)	?	98
2,3,3,5-tetramethylhexane	9.2×10^{-7}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [52897-11-7]	1.4×10^{-6}		Yaws and Yang (1992)	?	98

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,4,4-tetramethylhexane	1.3×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [52897-12-8]	1.2×10^{-6}		Yaws and Yang (1992)	?	98
2,3,4,5-tetramethylhexane	1.2×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [52897-15-1]	1.4×10^{-6}		Yaws and Yang (1992)	?	98
3,3,4,4-tetramethylhexane	2.2×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [5171-84-6]	1.0×10^{-6}		Yaws and Yang (1992)	?	98
3-ethyl-2,2-dimethylhexane	1.8×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [20291-91-2]	1.8×10^{-6} 1.4×10^{-6}		Hilal et al. (2008) Yaws and Yang (1992)	Q ?	 98
4-ethyl-2,2-dimethylhexane	1.1×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [52896-99-8]	1.6×10^{-6}		Yaws and Yang (1992)	?	98
3-ethyl-2,3-dimethylhexane	2.0×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [52897-00-4]	1.3×10^{-6}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-ethyl-2,3-dimethylhexane	1.6×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [52897-01-5]	1.4×10^{-6}		Yaws and Yang (1992)	?	98
3-ethyl-2,4-dimethylhexane	1.6×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [7220-26-0]	1.4×10^{-6}		Yaws and Yang (1992)	?	98
4-ethyl-2,4-dimethylhexane	1.3×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [52897-03-7]	1.3×10^{-6}		Yaws and Yang (1992)	?	98
3-ethyl-2,5-dimethylhexane	1.1×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [52897-04-8]	1.5×10^{-6}		Yaws and Yang (1992)	?	98
4-ethyl-3,3-dimethylhexane	1.9×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [52897-05-9]	1.3×10^{-6}		Yaws and Yang (1992)	?	98
3-ethyl-3,4-dimethylhexane	2.2×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [52897-06-0]	1.3×10^{-6}		Yaws and Yang (1992)	?	98
3,3-diethylhexane	3.4×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ [17302-02-2]	1.3×10^{-6}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,4-diethylhexane	1.8×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$	1.4×10^{-6}		Yaws and Yang (1992)	?	98
[19398-77-7]					
2-methyl-3-(1-methylethyl)-hexane	1.5×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ (3-isopropyl-2-methylhexane)	1.1×10^{-6}		Yaws and Yang (1992)	?	98
[62016-13-1]					
2,2,3,3,4-pentamethylpentane	1.3×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$	1.0×10^{-6}		Yaws and Yang (1992)	?	98
[16747-44-7]					
2,2,3,4,4-pentamethylpentane	8.6×10^{-7}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$	1.0×10^{-6}		Yaws and Yang (1992)	?	98
[16747-45-8]					
3-ethyl-2,2,3-trimethylpentane	2.1×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$	1.0×10^{-6}		Yaws and Yang (1992)	?	98
[52897-17-3]					
3-ethyl-2,2,4-trimethylpentane	1.2×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$	1.3×10^{-6}		Yaws and Yang (1992)	?	98
[52897-18-4]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-ethyl-2,3,4-trimethylpentane	1.5×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$	1.1×10^{-6}		Yaws and Yang (1992)	?	98
[52897-19-5]					
3,3-diethyl-2-methylpentane	2.3×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$	1.1×10^{-6}		Yaws and Yang (1992)	?	98
[52897-16-2]					
2,4-dimethyl-3-(1-methylethyl)-pentane	1.0×10^{-6}		Hilal et al. (2008)	Q	
$C_{10}H_{22}$ (2,4-dimethyl-3-isopropylpentane)	1.3×10^{-6}		Yaws and Yang (1992)	?	98
[13475-79-1]					
undecane	5.4×10^{-7}		Mackay and Shiu (1981)	L	
$C_{11}H_{24}$	4.9×10^{-7}		Mackay et al. (2006a)	V	
[1120-21-4]	5.4×10^{-6}		Eastcott et al. (1988)	V	
	4.9×10^{-7}		Abraham (1984)	V	
	1.5×10^{-6}		Hilal et al. (2008)	Q	
	5.4×10^{-6}		Yaws and Yang (1992)	?	98
dodecane	1.3×10^{-6}		Mackay and Shiu (1981)	L	
$C_{12}H_{26}$	1.2×10^{-6}		Mackay et al. (2006a)	V	
[112-40-3]	1.3×10^{-6}		Eastcott et al. (1988)	V	
	1.2×10^{-6}		Abraham (1984)	V	
	1.1×10^{-6}		Hilal et al. (2008)	Q	
	1.4×10^{-6}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2,4,6,6-pentamethylheptane	1.1×10^{-6}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{26}$	2.3×10^{-7}		Zhang et al. (2010)	Q	113, 115
[13475-82-6]	2.4×10^{-5}		Zhang et al. (2010)	Q	113, 116
	5.1×10^{-6}		Zhang et al. (2010)	Q	113, 117
tridecane	7.9×10^{-7}		Hilal et al. (2008)	Q	
$C_{13}H_{28}$	4.3×10^{-6}		Yaws and Yang (1992)	?	98
[629-50-5]					
tetradecane	2.6×10^{-6}		Eastcott et al. (1988)	V	
$C_{14}H_{30}$	7.4×10^{-6}		Abraham (1984)	V	
[629-59-4]	5.6×10^{-7}		Hilal et al. (2008)	Q	
	8.7×10^{-6}		Yaws and Yang (1992)	?	98
pentadecane	4.0×10^{-7}		Hilal et al. (2008)	Q	
$C_{15}H_{32}$	2.1×10^{-5}		Yaws and Yang (1992)	?	98
[629-62-9]					
hexadecane	2.6×10^{-6}		Eastcott et al. (1988)	V	
$C_{16}H_{34}$	2.7×10^{-5}		Abraham (1984)	V	
[544-76-3]	2.9×10^{-7}		Hilal et al. (2008)	Q	
	4.3×10^{-5}		Yaws and Yang (1992)	?	98
heptadecane	2.2×10^{-7}		Hilal et al. (2008)	Q	
$C_{17}H_{36}$	1.8×10^{-4}		Yaws and Yang (1992)	?	98
[629-78-7]					
octadecane	1.6×10^{-6}		Eastcott et al. (1988)	V	
$C_{18}H_{38}$	7.8×10^{-4}		Abraham (1984)	V	
[593-45-3]	1.5×10^{-7}		Hilal et al. (2008)	Q	
	1.1×10^{-3}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
nonadecane	1.3×10^{-7}		Hilal et al. (2008)	Q	
$C_{19}H_{40}$	3.4×10^{-3}		Yaws and Yang (1992)	?	98
[629-92-5]					
eicosane	5.0×10^{-6}		Eastcott et al. (1988)	V	
$C_{20}H_{42}$	1.4×10^{-2}		Abraham (1984)	V	
[112-95-8]	9.7×10^{-8}		Hilal et al. (2008)	Q	
	3.0×10^{-2}		Yaws and Yang (1992)	?	98
heneicosane	7.3×10^{-8}		Hilal et al. (2008)	Q	
$C_{21}H_{44}$					
[629-94-7]					
docosane	5.4×10^{-8}		Hilal et al. (2008)	Q	
$C_{22}H_{46}$					
[629-97-0]					
tricosane	4.1×10^{-8}		Hilal et al. (2008)	Q	
$C_{23}H_{48}$					
[638-67-5]					
tetracosane	3.1×10^{-8}		Hilal et al. (2008)	Q	
$C_{24}H_{50}$					
[646-31-1]					
pentacosane	1.5×10^{-8}		Hilal et al. (2008)	Q	
$C_{25}H_{52}$					
[629-99-2]					
hexacosane	5.0×10^{-5}		Eastcott et al. (1988)	V	
$C_{26}H_{54}$	1.3×10^{2}		Abraham (1984)	V	
[630-01-3]	1.1×10^{-8}		Hilal et al. (2008)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
heptacosane $C_{27}H_{56}$ [593-49-7]	7.7×10^{-9}		Hilal et al. (2008)	Q	
octacosane $C_{28}H_{58}$ [630-02-4]	5.6×10^{-9}		Hilal et al. (2008)	Q	
nonacosane $C_{29}H_{60}$ [630-03-5]	4.0×10^{-9}		Hilal et al. (2008)	Q	
triacontane $C_{30}H_{62}$ [638-68-6]	2.9×10^{-9}		Hilal et al. (2008)	Q	
dotriacontane $C_{32}H_{66}$ [544-85-4]	1.5×10^{-9}		Hilal et al. (2008)	Q	
pentatriacotane $C_{35}H_{72}$ [630-07-9]	5.8×10^{-10}		Hilal et al. (2008)	Q	
hexatriacontane $C_{36}H_{74}$ [630-06-8]	8.6×10^{8}		Abraham (1984)	V	
octatriacontane $C_{38}H_{78}$ [7194-85-6]	2.2×10^{-10}		Hilal et al. (2008)	Q	

Cycloalkanes

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
cyclopropane	1.1×10^{-4}	1600	Wilhelm et al. (1977)	L	
C_3H_6	8.1×10^{-5}		Steward et al. (1973)	L	20
[75-19-4]	7.8×10^{-5}		Guitart et al. (1989)	M	20
	1.3×10^{-4}		Irmann (1965)	V	
	1.4×10^{-4}		Hilal et al. (2008)	Q	
		2500	Kühne et al. (2005)	Q	
	9.0×10^{-5}		Nirmalakhandan et al. (1997)	Q	
		2200	Kühne et al. (2005)	?	
	1.3×10^{-4}		Yaws and Yang (1992)	?	98, 119
	1.1×10^{-4}		Abraham et al. (1990)	?	
cyclopentane	5.4×10^{-5}		Mackay and Shiu (1981)	L	
C_5H_{10}	6.5×10^{-5}	3400	Hansen et al. (1993)	M	111
[287-92-3]	5.6×10^{-5}		Mackay et al. (2006a)	V	
	5.2×10^{-5}		Mackay et al. (1993)	V	
	5.5×10^{-5}		Hwang et al. (1992)	V	
	5.4×10^{-5}		Eastcott et al. (1988)	V	
	5.3×10^{-5}		Hine and Mookerjee (1975)	V	
	1.1×10^{-4}		Hilal et al. (2008)	Q	
		3200	Kühne et al. (2005)	Q	
	5.7×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
		4300	Kühne et al. (2005)	?	
	5.2×10^{-5}		Yaws and Yang (1992)	?	98
	5.3×10^{-5}		Abraham et al. (1990)	?	
	5.3×10^{-5}		Abraham (1979)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
cyclohexane	5.6×10^{-5}		Mackay and Shiu (1981)	L	
C_6H_{12}	3.2×10^{-4}	5400	Hiatt (2013)	M	
[110-82-7]	8.0×10^{-5}		Helburn et al. (2008)	M	
	5.2×10^{-5}	4500	Dewulf et al. (1999)	M	120
	6.0×10^{-5}		Hansen et al. (1993)	M	121
	5.4×10^{-5}	3800	Kolb et al. (1992)	M	108
	3.4×10^{-5}		Guitart et al. (1989)	M	20
	5.5×10^{-5}	3200	Ashworth et al. (1988)	M	109
	5.4×10^{-5}	3400	Tsonopoulos and Wilson (1983)	M	
	5.4×10^{-5}	3800	Tucker et al. (1981)	M	
	5.3×10^{-5}		Mackay et al. (2006a)	V	
	5.1×10^{-5}		Mackay et al. (1993)	V	
	6.0×10^{-5}		Hwang et al. (1992)	V	
	5.4×10^{-5}		Eastcott et al. (1988)	V	
	5.1×10^{-5}		Hine and Mookerjee (1975)	V	
		4000	Gill et al. (1976)	T	106
	6.2×10^{-5}	710	Goldstein (1982)	X	122
	9.5×10^{-5}		Hilal et al. (2008)	Q	
		3600	Kühne et al. (2005)	Q	
	4.5×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
		3900	Kühne et al. (2005)	?	
	5.1×10^{-5}		Yaws and Yang (1992)	?	98
	5.1×10^{-5}		Abraham et al. (1990)	?	
	5.1×10^{-5}		Abraham (1979)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
cycloheptane	8.2×10^{-5}		Mackay et al. (2006a)	V	
C_7H_{14}	1.0×10^{-4}		Mackay et al. (1993)	V	
[291-64-5]	1.1×10^{-4}		Cabani et al. (1981)	V	
	5.1×10^{-5}		Hilal et al. (2008)	Q	
	1.6×10^{-3}		Hoff et al. (1993)	?	11
	1.1×10^{-4}		Yaws and Yang (1992)	?	98
cyclooctane	7.1×10^{-5}	5000	Dohányosová et al. (2004)	M	
C_8H_{16}	6.9×10^{-5}		Mackay et al. (2006a)	V	
[292-64-8]	9.3×10^{-5}		Mackay et al. (1993)	V	
	9.5×10^{-5}		Cabani et al. (1981)	V	
	7.5×10^{-5}		Hilal et al. (2008)	Q	
		4300	Kühne et al. (2005)	Q	
		5000	Kühne et al. (2005)	?	
	9.8×10^{-5}		Hoff et al. (1993)	?	11
	9.5×10^{-5}		Yaws and Yang (1992)	?	98
methylcyclopentane	2.7×10^{-5}		Mackay and Shiu (1981)	L	
$C_5H_9CH_3$	2.8×10^{-5}		Mackay et al. (2006a)	V	
[96-37-7]	2.7×10^{-5}		Mackay et al. (1993)	V	
	2.7×10^{-5}		Eastcott et al. (1988)	V	
	2.7×10^{-5}		Hine and Mookerjee (1975)	V	
	4.4×10^{-5}		Hilal et al. (2008)	Q	
	3.9×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
	2.8×10^{-5}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
methylcyclohexane	2.5×10^{-5}		Mackay and Shiu (1981)	L	
$C_6H_{11}CH_3$	3.2×10^{-4}	5300	Hiatt (2013)	M	
[108-87-2]	1.5×10^{-4}		Ramachandran et al. (1996)	M	
	9.6×10^{-5}	9400	Hansen et al. (1993)	M	111
	5.0×10^{-6}		Abraham and Acree Jr. (2007)	V	
	2.5×10^{-5}		Mackay et al. (2006a)	V	
	2.3×10^{-5}		Mackay et al. (1993)	V	
	2.3×10^{-5}		Meylan and Howard (1991)	V	
	2.6×10^{-5}		Eastcott et al. (1988)	V	
	2.3×10^{-5}		Hine and Mookerjee (1975)	V	
	3.5×10^{-5}		Hilal et al. (2008)	Q	
		3900	Kühne et al. (2005)	Q	
	2.9×10^{-5}		Meylan and Howard (1991)	Q	
	3.1×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
		3100	Kühne et al. (2005)	?	
	2.3×10^{-5}		Yaws and Yang (1992)	?	98
methylcyclohexane-d14 $C_6D_{11}CD_3$ [10120-28-2]	3.1×10^{-4}	5600	Hiatt (2013)	M	
ethylcyclohexane	2.1×10^{-5}	4700	Dohányosová et al. (2004)	M	
C_8H_{16}	3.1×10^{-5}	4600	Heidman et al. (1985)	M	
[1678-91-7]	7.3×10^{-6}		Abraham and Acree Jr. (2007)	V	
	2.3×10^{-5}		Hilal et al. (2008)	Q	
		4300	Kühne et al. (2005)	Q	
		4700	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
methylcycloheptane C_8H_{16} [4126-78-7]	2.1×10^{-5}		Hilal et al. (2008)	Q	
1,2-dimethylcyclohexane	2.1×10^{-5}		Mackay et al. (1993)	V	
$C_6H_{10}(CH_3)_2$	1.4×10^{-5}		Hilal et al. (2008)	Q	
[583-57-3]	2.3×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
cis-1,2-dimethylcyclohexane	2.8×10^{-5}		Mackay and Shiu (1981)	L	
$C_6H_{10}(CH_3)_2$	2.9×10^{-5}	4900	Dohányosová et al. (2004)	M	
[2207-01-4]	4.6×10^{-6}		Abraham and Acree Jr. (2007)	V	
	2.8×10^{-5}		Mackay et al. (2006a)	V	
	2.8×10^{-5}		Meylan and Howard (1991)	V	
	2.8×10^{-5}		Eastcott et al. (1988)	V	
	2.8×10^{-5}		Hine and Mookerjee (1975)	V	
		4300	Kühne et al. (2005)	Q	
	4.3×10^{-5}		Nirmalakhandan et al. (1997)	Q	
	2.2×10^{-5}		Meylan and Howard (1991)	Q	
		4900	Kühne et al. (2005)	?	
	2.8×10^{-5}		Yaws and Yang (1992)	?	98
trans-1,2-dimethylcyclohexane	1.7×10^{-5}	4600	Dohányosová et al. (2004)	M	
$C_6H_{10}(CH_3)_2$	5.7×10^{-6}		Abraham and Acree Jr. (2007)	V	
[6876-23-9]	1.3×10^{-5}		Mackay et al. (1993)	V	
		4300	Kühne et al. (2005)	Q	
			Haynes (2014)	?	123
		4600	Kühne et al. (2005)	?	
	2.1×10^{-5}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,4-dimethylcyclohexane $C_6H_{10}(CH_3)_2$ [589-90-2]	1.5×10^{-5}		Hilal et al. (2008)	Q	
trans-1,4-dimethylcyclohexane	1.1×10^{-5}		Mackay and Shiu (1981)	L	
$C_6H_{10}(CH_3)_2$	1.1×10^{-5}		Mackay et al. (2006a)	V	
[2207-04-7]	1.1×10^{-5}		Mackay et al. (1993)	V	
	1.1×10^{-5}		Eastcott et al. (1988)	V	
	2.2×10^{-5}		Nirmalakhandan et al. (1997)	Q	
	1.1×10^{-5}		Yaws and Yang (1992)	?	98
1,1,2-trimethylcyclopentane $C_5H_7(CH_3)_3$ [4259-00-1]	6.9×10^{-6}		Hilal et al. (2008)	Q	
1,1,3-trimethylcyclopentane	6.3×10^{-6}		Mackay and Shiu (1981)	L	
$C_5H_7(CH_3)_3$	6.3×10^{-6}		Mackay et al. (2006a)	V	
[4516-69-2]	6.3×10^{-6}		Mackay et al. (1993)	V	
	6.3×10^{-6}		Eastcott et al. (1988)	V	
1,1,3-trimethylcyclohexane	9.5×10^{-6}		Mackay et al. (2006a)	V	
C_9H_{18} [3073-66-3]	9.5×10^{-6}		Mackay et al. (1993)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
propylcyclopentane	1.1×10^{-5}		Mackay and Shiu (1981)	L	
$C_5H_9C_3H_7$	1.1×10^{-5}		Mackay et al. (2006a)	V	
[2040-96-2]	1.1×10^{-5}		Mackay et al. (1993)	V	
	1.1×10^{-5}		Eastcott et al. (1988)	V	
	2.0×10^{-5}		Hilal et al. (2008)	Q	
	2.5×10^{-5}		Nirmalakhandan et al. (1997)	Q	
	1.1×10^{-5}		Yaws and Yang (1992)	?	98
pentylcyclopentane	5.4×10^{-6}		Mackay and Shiu (1981)	L	
$C_5H_9C_5H_{11}$	5.4×10^{-6}		Mackay et al. (2006a)	V	
[3741-00-2]	5.4×10^{-6}		Mackay et al. (1993)	V	
	5.4×10^{-6}		Eastcott et al. (1988)	V	
	9.2×10^{-6}		Hilal et al. (2008)	Q	
	1.6×10^{-5}		Nirmalakhandan et al. (1997)	Q	
	5.4×10^{-6}		Yaws and Yang (1992)	?	98
cyclooctene	2.1×10^{-4}	4400	Dohányosová et al. (2004)	M	
C_8H_{14}	2.1×10^{-4}		Mackay et al. (2006a)	V	
[931-88-4]		4400	Kühne et al. (2005)	Q	
		4400	Kühne et al. (2005)	?	
decahydronaphthalene	7.2×10^{-5}	4100	Ashworth et al. (1988)	M	109
$C_{10}H_{18}$	6.5×10^{-5}		Hilal et al. (2008)	Q	
(decalin)		4500	Kühne et al. (2005)	Q	
[91-17-8]		4100	Kühne et al. (2005)	?	
octahydro-1H-indene C_9H_{16} [496-10-6]	8.8×10^{-5}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
(*Z*)-bicyclo[4.4.0]decane $C_{10}H_{18}$ (*cis*-decahydronaphthalene; *cis*-decalin) [493-01-6]	4.3×10^{-4}		Mackay et al. (1993)	V	
(*E*)-bicyclo[4.4.0]decane $C_{10}H_{18}$ (*trans*-decahydronaphthalene; *trans*-decalin) [493-02-7]	2.7×10^{-4}		Mackay et al. (1993)	V	
1,1'-bicyclohexyl $C_{12}H_{22}$ [92-51-3]	3.1×10^{-5}		Hilal et al. (2008)	Q	
octahydro-1,1,2,3,3-pentamethyl-1H-indene	9.0×10^{-6}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_{26}$	1.1×10^{-6}		Zhang et al. (2010)	Q	113, 115
[33704-60-8]	6.5×10^{-4}		Zhang et al. (2010)	Q	113, 116
	3.5×10^{-5}		Zhang et al. (2010)	Q	113, 117
1,1':3',1"-tercyclohexane	6.7×10^{-6}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{32}$	1.5×10^{-5}		Zhang et al. (2010)	Q	113, 115
[1706-50-9]	1.7×10^{-3}		Zhang et al. (2010)	Q	113, 116
	9.0×10^{-5}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,1'-(2-methylpentane-2,4-diyl)dicyclohexane	2.9×10^{-6}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{34}$	2.1×10^{-6}		Zhang et al. (2010)	Q	113, 115
[38970-72-8]	1.1×10^{-3}		Zhang et al. (2010)	Q	113, 116
	1.9×10^{-5}		Zhang et al. (2010)	Q	113, 117
Aliphatic alkenes and cycloalkenes					
ethene	5.9×10^{-5}	2200	Sander et al. (2011)	L	
C_2H_4	5.9×10^{-5}	2200	Sander et al. (2006)	L	
(ethylene)	4.6×10^{-5}		Mackay and Shiu (1981)	L	
[74-85-1]	4.7×10^{-5}	1800	Wilhelm et al. (1977)	L	
	3.5×10^{-5}		Steward et al. (1973)	L	20
	4.9×10^{-5}	2000	Maaßen (1995)	M	
	4.8×10^{-5}	1900	Reichl (1995)	M	
	4.8×10^{-5}	2300	Winkler (1906)	M	
	4.6×10^{-5}		Hine and Mookerjee (1975)	V	
	4.7×10^{-5}	2000	Hayduk (1994)	X	3
	4.7×10^{-5}		Deno and Berkheimer (1960)	C	
	2.9×10^{-5}		Hilal et al. (2008)	Q	
		2700	Kühne et al. (2005)	Q	
	5.2×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
		1900	Kühne et al. (2005)	?	
	4.8×10^{-5}	2300	Dean (1992)	?	6
	4.7×10^{-5}		Yaws and Yang (1992)	?	98
	4.6×10^{-5}		Abraham et al. (1990)	?	
	4.8×10^{-5}		Seinfeld (1986)	?	11

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
propene	4.7×10^{-5}		Mackay and Shiu (1981)	L	
C_3H_6	7.3×10^{-5}	3400	Wilhelm et al. (1977)	L	
(propylene)	5.4×10^{-5}	2700	Maaßen (1995)	M	
[115-07-1]	5.5×10^{-5}	2800	Reichl (1995)	M	
	4.7×10^{-5}		Hine and Mookerjee (1975)	V	
	4.4×10^{-5}		Irmann (1965)	V	
	9.2×10^{-5}		Deno and Berkheimer (1960)	C	
	3.4×10^{-5}		Hilal et al. (2008)	Q	
		3100	Kühne et al. (2005)	Q	
	4.1×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
	4.6×10^{-5}		Irmann (1965)	Q	
		3800	Kühne et al. (2005)	?	
	4.8×10^{-5}		Yaws and Yang (1992)	?	98
	4.3×10^{-5}		Abraham et al. (1990)	?	
1-butene			Mackay and Shiu (1981)	L	124
C_4H_8	1.3×10^{-4}	6400	Wilhelm et al. (1977)	L	
[106-98-9]	3.9×10^{-5}		Mackay et al. (2006a)	V	
	3.9×10^{-5}		Mackay et al. (1993)	V	
	3.9×10^{-5}		Hine and Mookerjee (1975)	V	
	4.1×10^{-5}		Irmann (1965)	V	
	3.4×10^{-5}		Hilal et al. (2008)	Q	
	3.4×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
	4.1×10^{-5}		Irmann (1965)	Q	
	4.0×10^{-5}		Yaws and Yang (1992)	?	98
	3.9×10^{-5}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-butene	5.1×10^{-5}		Hilal et al. (2008)	Q	
C_4H_8					
[107-01-7]					
cis-2-butene	5.5×10^{-5}		Irmann (1965)	V	
C_4H_8	5.9×10^{-5}		Irmann (1965)	Q	
[590-18-1]					
trans-2-butene	3.9×10^{-5}		Irmann (1965)	V	
C_4H_8	5.4×10^{-5}		Irmann (1965)	Q	
[624-64-6]					
2-methylpropene			Mackay and Shiu (1981)	L	124
C_4H_8	5.6×10^{-5}	3000	Wilhelm et al. (1977)	L	
(isobutene)	4.6×10^{-5}		Mackay et al. (2006a)	V	
[115-11-7]	4.6×10^{-5}		Mackay et al. (1993)	V	
	4.6×10^{-5}		Hine and Mookerjee (1975)	V	
	8.6×10^{-5}		Hilal et al. (2008)	Q	
		3400	Kühne et al. (2005)	Q	
	2.8×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
		3000	Kühne et al. (2005)	?	
	4.8×10^{-5}		Yaws and Yang (1992)	?	98
1-pentene	2.5×10^{-5}		Mackay and Shiu (1981)	L	
C_5H_{10}	2.5×10^{-5}		Mackay et al. (2006a)	V	
[109-67-1]	2.5×10^{-5}		Mackay et al. (1993)	V	
	2.5×10^{-5}		Eastcott et al. (1988)	V	
	1.8×10^{-5}		Amoore and Buttery (1978)	V	
	2.4×10^{-5}		Hine and Mookerjee (1975)	V	
	2.5×10^{-5}		Hilal et al. (2008)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.7×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
	2.5×10^{-5}		Yaws and Yang (1992)	?	98
	2.4×10^{-5}		Abraham et al. (1990)	?	
2-pentene	4.4×10^{-5}		Eastcott et al. (1988)	V	
C_5H_{10}	3.6×10^{-5}		Hilal et al. (2008)	Q	
[109-68-2]					
cis-2-pentene	4.4×10^{-5}		Mackay and Shiu (1981)	L	
C_5H_{10}	4.4×10^{-5}		Yaws and Yang (1992)	?	98
[627-20-3]					
trans-2-pentene	4.2×10^{-5}		Hine and Mookerjee (1975)	V	
C_5H_{10}	2.7×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
[646-04-8]	4.3×10^{-5}		Yaws and Yang (1992)	?	98
2-methyl-2-butene	7.4×10^{-5}		Mackay et al. (2006a)	V	
C_5H_{10}	4.4×10^{-5}		Hine and Mookerjee (1975)	V	
[513-35-9]	7.5×10^{-5}		Hilal et al. (2008)	Q	
	2.3×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
3-methyl-1-butene	1.8×10^{-5}		Mackay and Shiu (1981)	L	
C_5H_{10}	1.8×10^{-5}		Mackay et al. (2006a)	V	
[563-45-1]	1.8×10^{-5}		Mackay et al. (1993)	V	
	1.8×10^{-5}		Hine and Mookerjee (1975)	V	
	1.5×10^{-5}		Hilal et al. (2008)	Q	
	2.3×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
	1.9×10^{-5}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-hexene	2.4×10^{-5}		Mackay and Shiu (1981)	L	
C_6H_{12}	2.4×10^{-5}		Mackay et al. (2006a)	V	
[592-41-6]	2.4×10^{-5}		Mackay et al. (1993)	V	
	2.4×10^{-5}		Hwang et al. (1992)	V	
	2.4×10^{-5}		Eastcott et al. (1988)	V	
	2.4×10^{-5}		Hine and Mookerjee (1975)	V	
	1.8×10^{-5}		Hilal et al. (2008)	Q	
		4100	Kühne et al. (2005)	Q	
	2.1×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
		4000	Kühne et al. (2005)	?	
	3.3×10^{-5}		Yaws and Yang (1992)	?	98
	2.8×10^{-5}		Abraham et al. (1990)	?	
2-methyl-1-pentene	3.6×10^{-5}		Mackay and Shiu (1981)	L	
C_6H_{12}	3.6×10^{-5}		Mackay et al. (2006a)	V	
[763-29-1]	3.6×10^{-5}		Mackay et al. (1993)	V	
	3.6×10^{-5}		Eastcott et al. (1988)	V	
	3.4×10^{-5}		Cabani et al. (1981)	V	
	2.2×10^{-5}		Hilal et al. (2008)	Q	
	1.9×10^{-5}		Nirmalakhandan et al. (1997)	Q	
	3.5×10^{-5}		Yaws and Yang (1992)	?	98

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-methyl-1-pentene	1.6×10^{-5}		Mackay and Shiu (1981)	L	
C_6H_{12}	1.6×10^{-5}		Mackay et al. (2006a)	V	
[691-37-2]	1.6×10^{-5}		Mackay et al. (1993)	V	
	1.6×10^{-5}		Eastcott et al. (1988)	V	
	1.6×10^{-5}		Hine and Mookerjee (1975)	V	
	1.2×10^{-5}		Hilal et al. (2008)	Q	
	1.8×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
	1.6×10^{-5}		Yaws and Yang (1992)	?	98
2,3-dimethyl-1-butene C_6H_{12} [563-78-0]	1.7×10^{-5}		Hilal et al. (2008)	Q	
1-heptene	2.5×10^{-5}		Mackay et al. (2006a)	V	
C_7H_{14}	2.5×10^{-5}		Mackay et al. (1993)	V	
[592-76-7]	1.3×10^{-5}		Hilal et al. (2008)	Q	
	1.7×10^{-5}		Nirmalakhandan et al. (1997)	Q	
	2.5×10^{-5}		Yaws and Yang (1992)	?	98
	2.4×10^{-5}		Abraham et al. (1990)	?	
2-heptene C_7H_{14} [592-77-8]	1.7×10^{-5}		Hilal et al. (2008)	Q	
trans-2-heptene	2.4×10^{-5}		Mackay and Shiu (1981)	L	
C_7H_{14}	2.4×10^{-5}		Mackay et al. (1993)	V	
[14686-13-6]	2.4×10^{-5}		Eastcott et al. (1988)	V	
	2.4×10^{-5}		Hine and Mookerjee (1975)	V	
	1.7×10^{-5}		Nirmalakhandan et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-octene	1.0×10^{-5}		Mackay and Shiu (1981)	L	
C_8H_{16}	1.0×10^{-5}		Mackay et al. (2006a)	V	
[111-66-0]	1.0×10^{-5}		Mackay et al. (1993)	V	
	1.0×10^{-5}		Hwang et al. (1992)	V	
	1.0×10^{-5}		Meylan and Howard (1991)	V	
	1.0×10^{-5}		Eastcott et al. (1988)	V	
	1.0×10^{-5}		Hine and Mookerjee (1975)	V	
	9.2×10^{-6}		Hilal et al. (2008)	Q	
	1.6×10^{-5}		Meylan and Howard (1991)	Q	
	1.3×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
	1.6×10^{-5}		Yaws and Yang (1992)	?	98
	1.6×10^{-5}		Abraham et al. (1990)	?	
1-nonene	1.2×10^{-5}		Mackay et al. (2006a)	V	
C_9H_{18}	1.2×10^{-5}		Mackay et al. (1993)	V	
[124-11-8]	6.5×10^{-6}		Hilal et al. (2008)	Q	
	1.0×10^{-5}		Nirmalakhandan et al. (1997)	Q	
	1.2×10^{-5}		Yaws and Yang (1992)	?	98
	1.2×10^{-5}		Abraham et al. (1990)	?	
1-decene	3.3×10^{-6}		Mackay et al. (1993)	V	
$C_{10}H_{20}$	4.2×10^{-6}		Hilal et al. (2008)	Q	
[872-05-9]					
1-undecene $C_{11}H_{22}$ [821-95-4]	2.2×10^{-6}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-dodecene $C_{12}H_{24}$ [112-41-4]	1.5×10^{-6}		Hilal et al. (2008)	Q	
2,2,4,6,6-pentamethyl-3-heptene	3.6×10^{-6}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{24}$	5.2×10^{-7}		Zhang et al. (2010)	Q	113, 115
[123-48-8]	1.8×10^{-5}		Zhang et al. (2010)	Q	113, 116
	1.5×10^{-5}		Zhang et al. (2010)	Q	113, 117
1,2-butadiene C_4H_6 [590-19-2]	1.1×10^{-4}		Hilal et al. (2008)	Q	
1,3-butadiene	1.3×10^{-4}		Mackay and Shiu (1981)	L	
C_4H_6	1.4×10^{-4}	4500	Wilhelm et al. (1977)	L	
[106-99-0]	1.3×10^{-4}		Mackay et al. (2006a)	V	
	3.9×10^{-6}		Lide and Frederikse (1995)	V	
	4.8×10^{-5}		Mackay et al. (1993)	V	
	5.0×10^{-5}		Hwang et al. (1992)	V	
	1.6×10^{-4}		Hine and Mookerjee (1975)	V	
	1.2×10^{-4}		Irmann (1965)	V	
	1.5×10^{-4}		Irmann (1965)	C	
	1.8×10^{-4}		Hilal et al. (2008)	Q	
		3600	Kühne et al. (2005)	Q	
	9.2×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
		4100	Kühne et al. (2005)	?	
	1.4×10^{-4}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methyl-1,3-butadiene	1.3×10^{-4}		Mackay and Shiu (1981)	L	
C_5H_8	3.4×10^{-4}	4400	Leng et al. (2013)	M	
(isoprene)	2.9×10^{-4}		Karl et al. (2003)	M	125
[78-79-5]	1.3×10^{-4}		Mackay et al. (2006a)	V	
	1.3×10^{-4}		Copolovici and Niinemets (2005)	V	
	1.3×10^{-4}		Mackay et al. (1993)	V	
	1.3×10^{-4}		Hine and Mookerjee (1975)	V	
	2.7×10^{-4}		Hilal et al. (2008)	Q	
	6.7×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
	1.3×10^{-4}		Yaws and Yang (1992)	?	98
1,2-pentadiene C_5H_8 [591-95-7]	9.7×10^{-5}		Hilal et al. (2008)	Q	
1,4-pentadiene	8.3×10^{-5}		Mackay and Shiu (1981)	L	
C_5H_8	8.4×10^{-5}		Mackay et al. (2006a)	V	
[591-93-5]	8.4×10^{-5}		Mackay et al. (1993)	V	
	8.2×10^{-5}		Hine and Mookerjee (1975)	V	
	9.9×10^{-5}		Hilal et al. (2008)	Q	
	7.3×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
	8.3×10^{-5}		Yaws and Yang (1992)	?	98
2,3-pentadiene C_5H_8 [591-96-8]	1.1×10^{-4}		Hilal et al. (2008)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,5-hexadiene	6.9×10^{-5}		Mackay et al. (2006a)	V	
C_6H_{10}	6.7×10^{-5}		Hwang et al. (1992)	V	
[592-42-7]	7.3×10^{-5}		Hine and Mookerjee (1975)	V	
	5.8×10^{-5}		Hilal et al. (2008)	Q	
	5.8×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
2,3-dimethyl-1,3-butadiene	2.0×10^{-4}		Mackay et al. (2006a)	V	
C_6H_{10}	2.0×10^{-4}		Mackay et al. (1993)	V	
[513-81-5]	2.0×10^{-4}		Meylan and Howard (1991)	V	
	2.1×10^{-4}		Hine and Mookerjee (1975)	V	
	1.9×10^{-4}		Hilal et al. (2008)	Q	
	5.2×10^{-5}		Meylan and Howard (1991)	Q	
	4.7×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
1,6-heptadiene C_7H_{12} [3070-53-9]	4.6×10^{-5}		Hilal et al. (2008)	Q	
cyclopentene	2.3×10^{-4}	2200	Bakierowska and Trzeszczyński (2003)	M	
C_5H_8	1.5×10^{-4}		Mackay et al. (2006a)	V	
[142-29-0]	1.5×10^{-4}		Mackay et al. (1993)	V	
	1.6×10^{-4}		Hwang et al. (1992)	V	
	1.6×10^{-4}		Hine and Mookerjee (1975)	V	
	3.1×10^{-4}		Hilal et al. (2008)	Q	
		3400	Kühne et al. (2005)	Q	
	1.6×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		2200	Kühne et al. (2005)	?	
	1.5×10^{-4}		Yaws and Yang (1992)	?	98
cyclohexene	3.3×10^{-4}	2000	Bakierowska and Trzeszczyński (2003)	M	
C_6H_{10}	2.5×10^{-4}		Nielsen et al. (1994)	M	
[110-83-8]	2.2×10^{-4}		Mackay et al. (2006a)	V	
	2.2×10^{-4}		Mackay et al. (1993)	V	
	2.2×10^{-4}		Hwang et al. (1992)	V	
	2.2×10^{-4}		Hine and Mookerjee (1975)	V	
	2.5×10^{-4}		Hilal et al. (2008)	Q	
		3700	Kühne et al. (2005)	Q	
	1.3×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
		3600	Kühne et al. (2005)	?	
	2.2×10^{-4}		Yaws and Yang (1992)	?	98
1-methylcyclopentene C_6H_{10} [693-89-0]	2.4×10^{-4}		Hilal et al. (2008)	Q	
cycloheptene	2.6×10^{-4}		Mackay et al. (2006a)	V	
C_7H_{12}	2.0×10^{-4}		Mackay et al. (1993)	V	
[628-92-2]	1.3×10^{-4}		Hilal et al. (2008)	Q	
1-methylcyclohexene	1.2×10^{-4}		Mackay et al. (2006a)	V	
$C_6H_9CH_3$	1.3×10^{-4}		Hine and Mookerjee (1975)	V	
[591-49-1]	1.9×10^{-4}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,1,2,3,3-pentamethyl-2,3,4,5,6,7-hexahydro-1H-indene	2.5×10^{-5}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_{24}$	2.5×10^{-6}		Zhang et al. (2010)	Q	113, 115
[33704-59-5]	1.1×10^{-3}		Zhang et al. (2010)	Q	113, 116
	7.3×10^{-5}		Zhang et al. (2010)	Q	113, 117
1,3-cyclopentadiene C_5H_6 [542-92-7]	1.2×10^{-3}		Hilal et al. (2008)	Q	
1,3-cyclohexadiene C_6H_8 [592-57-4]	1.1×10^{-3}		Hilal et al. (2008)	Q	
1,4-cyclohexadiene	1.1×10^{-3}		Mackay et al. (2006a)	V	
C_6H_8	9.7×10^{-4}		Mackay et al. (1993)	V	
(1,4-dihydrobenzene)	1.0×10^{-3}		Hilal et al. (2008)	C	
[628-41-1]	8.0×10^{-4}		Hilal et al. (2008)	Q	
1,3-cycloheptadiene C_7H_{10} [4054-38-0]	6.2×10^{-4}		Hilal et al. (2008)	Q	
1,3,5-cycloheptatriene			Mackay et al. (2006a)	V	118
C_7H_8	2.1×10^{-3}		Mackay et al. (1993)	V	
[544-25-2]	2.1×10^{-3}		Cabani et al. (1981)	V	
	3.8×10^{-3}		Hilal et al. (2008)	Q	
	8.4×10^{-4}		Nirmalakhandan et al. (1997)	Q	
	2.1×10^{-3}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,5-cyclooctadiene C_8H_{12} [111-78-4]	3.8×10^{-4}		Hilal et al. (2008)	Q	
1-ethenylcyclohexene C_8H_{12} [2622-21-1]	7.7×10^{-4}		Hilal et al. (2008)	Q	
4-ethenylcyclohexene C_8H_{12} [100-40-3]	1.8×10^{-4}		Hilal et al. (2008)	Q	
1,3,5,7-cyclooctatetraene C_8H_8 [629-20-9]	3.6×10^{-2}		Hilal et al. (2008)	Q	
3a,4,7,7a-tetrahydro-4,7-methano-1H-indene $C_{10}H_{12}$ (dicyclopentadiene) [77-73-6]	2.8×10^{-5}		Hilal et al. (2008)	Q	
Aliphatic alkynes					
ethyne	4.1×10^{-4}	1700	Sander et al. (2011)	L	
C_2H_2	4.1×10^{-4}	1800	Sander et al. (2006)	L	
(acetylene)	4.1×10^{-4}	1800	Wilhelm et al. (1977)	L	
[74-86-2]	4.1×10^{-4}	2000	Winkler (1906)	M	
	3.9×10^{-4}		Hwang et al. (1992)	V	
	4.1×10^{-4}		Hine and Mookerjee (1975)	V	
	4.1×10^{-4}		Deno and Berkheimer (1960)	C	
	1.4×10^{-3}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		1800	Kühne et al. (2005)	Q	
	5.8×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	5.0×10^{-4}		Irmann (1965)	Q	
		1800	Kühne et al. (2005)	?	
	4.1×10^{-4}	2000	Dean (1992)	?	6
	3.9×10^{-4}		Yaws and Yang (1992)	?	98
	4.1×10^{-4}		Abraham et al. (1990)	?	
propyne	9.0×10^{-4}		Mackay and Shiu (1981)	L	
CH_3CCH			Wilhelm et al. (1977)	L	7
[74-99-7]	7.4×10^{-4}	2500	Simpson and Lovell (1962)	M	
	9.0×10^{-4}		Hine and Mookerjee (1975)	V	
	6.6×10^{-4}		Irmann (1965)	V	
	6.0×10^{-4}		Hilal et al. (2008)	Q	
		2100	Kühne et al. (2005)	Q	
	4.4×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	8.4×10^{-4}		Irmann (1965)	Q	
		2400	Kühne et al. (2005)	?	
	9.2×10^{-4}		Yaws and Yang (1992)	?	98
	9.0×10^{-4}		Abraham et al. (1990)	?	
1-butyne	5.2×10^{-4}		Mackay and Shiu (1981)	L	
C_2H_5CCH	7.5×10^{-4}	1900	Wilhelm et al. (1977)	L	
(ethylacetylene)	6.9×10^{-4}	1900	Simpson and Lovell (1962)	M	
[107-00-6]	5.2×10^{-4}		Mackay et al. (2006a)	V	
	2.9×10^{-4}		Hwang et al. (1992)	V	
	5.3×10^{-4}		Hine and Mookerjee (1975)	V	
	3.6×10^{-4}		Hilal et al. (2008)	Q	
		2500	Kühne et al. (2005)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	3.7×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	6.4×10^{-4}		Irmann (1965)	Q	
		1900	Kühne et al. (2005)	?	
	5.4×10^{-4}		Yaws and Yang (1992)	?	98
	5.3×10^{-4}		Abraham et al. (1990)	?	
2-butyne C_4H_6 [503-17-3]	1.9×10^{-3}		Hilal et al. (2008)	Q	
1-pentyne	4.0×10^{-4}		Mackay and Shiu (1981)	L	
C_3H_7CCH	4.0×10^{-4}		Mackay et al. (2006a)	V	
[627-19-0]	4.0×10^{-4}		Mackay et al. (1993)	V	
	2.5×10^{-4}		Amoore and Buttery (1978)	V	
	3.9×10^{-4}		Hine and Mookerjee (1975)	V	
	2.4×10^{-4}		Hilal et al. (2008)	Q	
	2.9×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	2.0×10^{-4}		Yaws and Yang (1992)	?	98
	3.9×10^{-4}		Abraham et al. (1990)	?	
2-pentyne C_5H_8 [627-21-4]	1.1×10^{-3}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-hexyne	2.4×10^{-4}		Mackay et al. (2006a)	V	
C_4H_9CCH	2.4×10^{-4}		Mackay et al. (1993)	V	
[693-02-7]	2.5×10^{-4}		Hine and Mookerjee (1975)	V	
	1.7×10^{-4}		Hilal et al. (2008)	Q	
	2.3×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	4.6×10^{-4}		Yaws and Yang (1992)	?	98
	2.5×10^{-4}		Abraham et al. (1990)	?	
2-hexyne C_6H_{10} [764-35-2]	5.8×10^{-4}		Hilal et al. (2008)	Q	
3-hexyne C_6H_{10} [928-49-4]	6.0×10^{-4}		Hilal et al. (2008)	Q	
1-heptyne	1.3×10^{-4}		Mackay et al. (2006a)	V	
$C_5H_{11}CCH$	2.2×10^{-4}		Mackay et al. (1993)	V	
[628-71-7]	1.5×10^{-4}		Hine and Mookerjee (1975)	V	
	1.1×10^{-4}		Hilal et al. (2008)	Q	
	1.8×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	1.4×10^{-4}		Yaws and Yang (1992)	?	98
	1.5×10^{-4}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-octyne	1.3×10^{-4}		Mackay et al. (2006a)	V	
$C_6H_{13}CCH$	1.3×10^{-4}		Mackay et al. (1993)	V	
[629-05-0]	1.2×10^{-4}		Hine and Mookerjee (1975)	V	
	6.4×10^{-5}		Hilal et al. (2008)	Q	
	1.5×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	1.2×10^{-4}		Yaws and Yang (1992)	?	98
	1.2×10^{-4}		Abraham et al. (1990)	?	
2-octyne C_8H_{14} [2809-67-8]	2.2×10^{-4}		Hilal et al. (2008)	Q	
1-nonyne	6.9×10^{-5}		Meylan and Howard (1991)	V	
$C_7H_{15}CCH$	6.9×10^{-5}		Hine and Mookerjee (1975)	V	
[3452-09-3]	4.4×10^{-5}		Hilal et al. (2008)	Q	
	1.1×10^{-4}		Meylan and Howard (1991)	Q	
	1.2×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	6.9×10^{-5}		Yaws and Yang (1992)	?	98
	6.9×10^{-5}		Abraham et al. (1990)	?	
3-buten-1-yne	3.7×10^{-4}	1700	Wilhelm et al. (1977)	L	
CH_2CHCCH	3.8×10^{-4}	1800	Simpson and Lovell (1962)	M	
(vinylacetylene)	1.1×10^{-3}		Hilal et al. (2008)	Q	
[689-97-4]		2600	Kühne et al. (2005)	Q	
		2100	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
butadiyne	2.0×10^{-3}		Irmann (1965)	C	
C_4H_2	8.6×10^{-3}		Hilal et al. (2008)	Q	
(biacetylene)	1.9×10^{-3}		Yaws and Yang (1992)	?	98
[460-12-8]					
Mononuclear aromatics					
benzene	1.7×10^{-3}	4200	Staudinger and Roberts (2001)	L	
C_6H_6	1.6×10^{-3}	4100	Staudinger and Roberts (1996)	L	
[71-43-2]	1.8×10^{-3}		Mackay and Shiu (1981)	L	
	1.7×10^{-3}		Kim and Kim (2014)	M	
	1.8×10^{-3}	3800	Hiatt (2013)	M	
	3.5×10^{-3}		Zhang et al. (2013)	M	
	1.4×10^{-3}	2400	Lau et al. (2010)	M	126
	1.7×10^{-3}	4200	Sieg et al. (2009)	M	
	1.8×10^{-3}		Li et al. (2008)	M	
	2.5×10^{-3}		Lodge and Danso (2007)	M	
	1.4×10^{-3}	2200	Lei et al. (2004)	M	127
			Cheng et al. (2003)	M	128
	1.8×10^{-3}		Karl et al. (2003)	M	30
	1.8×10^{-3}	4200	Bakierowska and Trzeszczyński (2003)	M	
	1.8×10^{-3}	3700	Görgényi et al. (2002)	M	
	1.9×10^{-3}	3200	Bierwagen and Keller (2001)	M	
	1.8×10^{-3}		Miller and Stuart (2000)	M	129
	3.7×10^{-3}		Altschuh et al. (1999)	M	
	1.7×10^{-3}		Ryu and Park (1999)	M	
	1.8×10^{-3}		Dohnal and Hovorka (1999)	M	
	1.8×10^{-3}		Allen et al. (1998)	M	
	2.2×10^{-3}		Peng and Wan (1998)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.4×10^{-3}	3300	Peng and Wan (1998)	M	130
	2.2×10^{-3}		de Wolf and Lieder (1998)	M	30
	1.9×10^{-3}	3200	Peng and Wan (1997)	M	
	1.8×10^{-3}	2700	Kondoh and Nakajima (1997)	M	
	1.4×10^{-3}	3300	Park et al. (1997)	M	
	1.8×10^{-3}	4200	Alaee et al. (1996)	M	
	1.6×10^{-3}	4300	Turner et al. (1996)	M	
	2.1×10^{-3}	3900	Dewulf et al. (1995)	M	
	2.0×10^{-3}		Nielsen et al. (1994)	M	
	1.7×10^{-3}	4000	Khalfaoui and Newsham (1994b)	M	
	1.9×10^{-3}	3800	Robbins et al. (1993)	M	
	1.7×10^{-3}		Hoff et al. (1993)	M	
	1.8×10^{-3}	2300	Ettre et al. (1993)	M	131
	1.5×10^{-3}		Hansen et al. (1993)	M	132
	1.7×10^{-3}	4000	Perlinger et al. (1993)	M	
	1.7×10^{-3}		Li and Carr (1993)	M	
	1.8×10^{-3}		Li et al. (1993)	M	
	1.5×10^{-3}		Zhang and Pawliszyn (1993)	M	
	1.7×10^{-3}	4000	Cooling et al. (1992)	M	
	1.8×10^{-3}		Anderson (1992)	M	129
	1.6×10^{-3}	4300	Bissonette et al. (1990)	M	
	2.0×10^{-3}		Guitart et al. (1989)	M	20
	1.8×10^{-3}	3200	Ashworth et al. (1988)	M	109
	1.7×10^{-3}		Keeley et al. (1988)	M	
	2.0×10^{-3}		Hellmann (1987)	M	30
	1.3×10^{-3}		Yurteri et al. (1987)	M	9
	1.8×10^{-3}	3600	Tsonopoulos and Wilson (1983)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.7×10^{-3}	3900	Sanemasa et al. (1982)	M	
	1.8×10^{-3}	4000	Leighton and Calo (1981)	M	
	1.7×10^{-3}	3500	Sanemasa et al. (1981)	M	
	1.2×10^{-3}	5300	Ervin et al. (1980)	M	
	1.8×10^{-3}		Warner et al. (1980)	M	
	1.8×10^{-3}		Mackay et al. (1979)	M	
	1.1×10^{-3}		Sato and Nakajima (1979a)	M	20
	1.6×10^{-3}	3800	Tsibul'skii et al. (1979)	M	
	1.8×10^{-3}	4200	Green and Frank (1979)	M	
	1.8×10^{-3}		Vitenberg et al. (1975)	M	
	1.2×10^{-3}		Vitenberg et al. (1974)	M	9
	1.7×10^{-3}	4400	Brown and Wasik (1974)	M	
	2.1×10^{-3}	4500	Hartkopf and Karger (1973)	M	
	1.6×10^{-3}	4500	Wasik and Tsang (1970)	M	
	1.5×10^{-3}		Saylor et al. (1938)	M	24
	3.5×10^{-4}		Abraham and Acree Jr. (2007)	V	
	1.8×10^{-3}		Mackay et al. (2006a)	V	
	1.8×10^{-3}		Shiu and Ma (2000)	V	
	1.8×10^{-3}		Shiu and Mackay (1997)	V	
	1.8×10^{-3}		Park et al. (1997)	V	
	1.8×10^{-3}		Mackay et al. (1992a)	V	
	1.8×10^{-3}		Hwang et al. (1992)	V	
	1.8×10^{-3}		Eastcott et al. (1988)	V	
	1.8×10^{-3}	3800	Abraham (1984)	V	
	1.8×10^{-3}	3600	Ben-Naim and Wilf (1980)	V	
	1.8×10^{-3}		Warner et al. (1980)	V	
	1.8×10^{-3}		Hine and Mookerjee (1975)	V	
	1.8×10^{-3}	4100	Mackay and Leinonen (1975)	V	
	1.8×10^{-3}	3800	Andon et al. (1954)	V	133

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.8×10^{-3}		Bohon and Claussen (1951)	V	
	1.8×10^{-3}		Mackay et al. (1979)	T	
		3800	Gill et al. (1976)	T	106
	1.8×10^{-3}	2200	Goldstein (1982)	X	122
	1.8×10^{-3}		Schüürmann (2000)	C	11
	1.8×10^{-3}		Ryan et al. (1988)	C	
	1.7×10^{-3}		Hilal et al. (2008)	Q	
		4000	Kühne et al. (2005)	Q	
	2.2×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	1.8×10^{-3}		Arbuckle (1983)	Q	
		3700	Kühne et al. (2005)	?	
	1.8×10^{-3}		Yaws and Yang (1992)	?	98
	1.8×10^{-3}		Abraham et al. (1990)	?	
	2.2×10^{-3}		Mackay and Yeun (1983)	?	
benzene-d6	1.8×10^{-3}	4000	Hiatt (2013)	M	
C_6D_6	1.6×10^{-3}	4500	Wasik and Tsang (1970)	M	
[1076-43-3]		3800	Gill et al. (1976)	T	106
methylbenzene	1.5×10^{-3}	4300	Staudinger and Roberts (2001)	L	
$C_6H_5CH_3$	1.5×10^{-3}	4000	Staudinger and Roberts (1996)	L	
(toluene)	1.5×10^{-3}		Mackay and Shiu (1981)	L	
[108-88-3]	1.5×10^{-3}		Kim and Kim (2014)	M	
	2.1×10^{-3}	4400	Hiatt (2013)	M	
	2.8×10^{-3}		Zhang et al. (2013)	M	
	1.7×10^{-3}	4200	Lee et al. (2013)	M	
	1.5×10^{-3}		Kish et al. (2013)	M	
	1.3×10^{-3}	2700	Lau et al. (2010)	M	126
	1.5×10^{-3}	4300	Sieg et al. (2009)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.4×10^{-3}		Helburn et al. (2008)	M	
	1.5×10^{-3}		Li et al. (2008)	M	
	1.4×10^{-3}		Lodge and Danso (2007)	M	
			Cheng et al. (2004)	M	128
	1.4×10^{-3}	2200	Lei et al. (2004)	M	127
			Cheng et al. (2003)	M	128
	1.4×10^{-3}		Karl et al. (2003)	M	30
	2.1×10^{-3}		Bobadilla et al. (2003)	M	
	1.7×10^{-3}	4300	Bakierowska and Trzeszczyński (2003)	M	
	2.0×10^{-3}		Destaillats and Charles (2002)	M	
	1.6×10^{-3}	4100	Görgényi et al. (2002)	M	
	1.7×10^{-3}	3600	Bierwagen and Keller (2001)	M	
	1.0×10^{-3}		Ayuttaya et al. (2001)	M	134
	1.7×10^{-4}		Ayuttaya et al. (2001)	M	135
	7.8×10^{-4}		Ayuttaya et al. (2001)	M	136
	2.3×10^{-3}		Ayuttaya et al. (2001)	M	137
	1.5×10^{-3}		David et al. (2000)	M	129
	1.6×10^{-3}		Miller and Stuart (2000)	M	129
	1.9×10^{-3}	4000	Vane and Giroux (2000)	M	
	1.5×10^{-3}	4700	Dewulf et al. (1999)	M	
	1.7×10^{-3}		Altschuh et al. (1999)	M	
	1.5×10^{-3}		Ryu and Park (1999)	M	
	1.6×10^{-3}		Dohnal and Hovorka (1999)	M	
	1.5×10^{-3}		Allen et al. (1998)	M	
	2.1×10^{-3}		Peng and Wan (1998)	M	
	1.2×10^{-3}	3600	Peng and Wan (1998)	M	130
	2.0×10^{-3}		de Wolf and Lieder (1998)	M	30
	1.7×10^{-3}	3700	Peng and Wan (1997)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.7×10^{-3}	2800	Kondoh and Nakajima (1997)	M	
	1.3×10^{-3}	3900	Park et al. (1997)	M	
	1.4×10^{-3}	4100	Turner et al. (1996)	M	
	1.5×10^{-3}		Ramachandran et al. (1996)	M	
	1.8×10^{-3}	4400	Dewulf et al. (1995)	M	
	1.6×10^{-3}		Nielsen et al. (1994)	M	
	1.5×10^{-3}	3400	Robbins et al. (1993)	M	
	1.3×10^{-3}		Hoff et al. (1993)	M	
	1.5×10^{-3}	2500	Ettre et al. (1993)	M	131
	1.4×10^{-3}		Hansen et al. (1993)	M	132
	1.5×10^{-3}	4500	Perlinger et al. (1993)	M	
	1.6×10^{-3}		Li and Carr (1993)	M	
	1.6×10^{-3}		Li et al. (1993)	M	
	1.5×10^{-3}		Zhang and Pawliszyn (1993)	M	
	1.6×10^{-3}	2500	Kolb et al. (1992)	M	108
	1.5×10^{-3}		Anderson (1992)	M	129
	1.4×10^{-3}	5000	Bissonette et al. (1990)	M	
	1.5×10^{-3}	6500	Lamarche and Droste (1989)	M	138
	1.5×10^{-3}	3000	Ashworth et al. (1988)	M	109
	1.6×10^{-3}		Keeley et al. (1988)	M	
	1.7×10^{-3}		Yurteri et al. (1987)	M	9
	1.2×10^{-3}	5400	Schoene and Steinhanses (1985)	M	
	1.5×10^{-3}		Garbarini and Lion (1985)	M	
	1.5×10^{-3}	4200	Sanemasa et al. (1982)	M	
	1.5×10^{-3}	3800	Leighton and Calo (1981)	M	
	1.6×10^{-3}	4100	Sanemasa et al. (1981)	M	
	1.5×10^{-3}	4900	Ervin et al. (1980)	M	
	1.7×10^{-3}		Warner et al. (1980)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.5×10^{-3}		Mackay et al. (1979)	M	
	8.6×10^{-4}		Sato and Nakajima (1979a)	M	20
	1.5×10^{-3}	4700	Tsibul'skii et al. (1979)	M	
	1.9×10^{-3}		Vitenberg et al. (1975)	M	
	1.6×10^{-3}	5000	Brown and Wasik (1974)	M	
	2.0×10^{-3}	4900	Hartkopf and Karger (1973)	M	
	1.7×10^{-3}	5900	Wasik and Tsang (1970)	M	
	1.5×10^{-3}		Mackay et al. (2006a)	V	
	1.5×10^{-3}		Shiu and Ma (2000)	V	
	1.5×10^{-3}		Park et al. (1997)	V	
	1.5×10^{-3}		Mackay et al. (1992a)	V	
	1.3×10^{-3}		Hwang et al. (1992)	V	
	1.7×10^{-3}		Eastcott et al. (1988)	V	
	1.5×10^{-3}	4400	Abraham (1984)	V	
	1.9×10^{-3}	4200	Ben-Naim and Wilf (1980)	V	
	1.5×10^{-3}		Warner et al. (1980)	V	
	1.5×10^{-3}		Hine and Mookerjee (1975)	V	
	1.5×10^{-3}		Mackay and Leinonen (1975)	V	
	1.8×10^{-3}	4300	Andon et al. (1954)	V	133
	1.8×10^{-3}		Bohon and Claussen (1951)	V	
	1.5×10^{-3}		Mackay et al. (1979)	T	
		4400	Gill et al. (1976)	T	106
	1.9×10^{-3}	4300	Shaw (1989)	X	3
	1.5×10^{-3}	1900	Goldstein (1982)	X	122
	1.5×10^{-3}		McAuliffe (1971)	X	139
	1.5×10^{-3}		Schüürmann (2000)	C	11
	1.4×10^{-3}		Ryan et al. (1988)	C	
	1.5×10^{-3}		Hilal et al. (2008)	Q	
		4300	Kühne et al. (2005)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.6×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	1.2×10^{-3}		Arbuckle (1983)	Q	
		4200	Kühne et al. (2005)	?	
	1.5×10^{-3}		Yaws and Yang (1992)	?	98
	1.5×10^{-3}		Abraham et al. (1990)	?	
	1.9×10^{-3}		Mackay and Yeun (1983)	?	
methylbenzene-d8 $C_6D_5CD_3$ (toluene-d8) [2037-26-5]	2.0×10^{-3}	4300	Hiatt (2013)	M	
1,2-dimethylbenzene	2.4×10^{-3}	4200	Fogg and Sangster (2003)	L	
$C_6H_4(CH_3)_2$	2.0×10^{-3}	4300	Staudinger and Roberts (2001)	L	
(*o*-xylene)	1.9×10^{-3}	4000	Staudinger and Roberts (1996)	L	
[95-47-6]	2.0×10^{-3}		Mackay and Shiu (1981)	L	
	1.9×10^{-3}		Kim and Kim (2014)	M	
	3.2×10^{-3}	4500	Hiatt (2013)	M	
	2.2×10^{-3}		Zhang et al. (2013)	M	
	2.0×10^{-3}	4300	Sieg et al. (2009)	M	
	2.3×10^{-3}		Li et al. (2008)	M	
	2.1×10^{-3}		Dohnal and Hovorka (1999)	M	
	1.9×10^{-3}	3400	Kondoh and Nakajima (1997)	M	
	1.4×10^{-3}		Turner et al. (1996)	M	
	2.4×10^{-3}	4500	Dewulf et al. (1995)	M	
	1.9×10^{-3}	3400	Robbins et al. (1993)	M	
	1.9×10^{-3}		Li and Carr (1993)	M	
	2.1×10^{-3}		Li et al. (1993)	M	
	2.7×10^{-3}		Zhang and Pawliszyn (1993)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.4×10^{-3}	3000	Kolb et al. (1992)	M	108
	1.7×10^{-3}		Anderson (1992)	M	129
	2.1×10^{-3}	5600	Bissonette et al. (1990)	M	
	1.9×10^{-3}	3200	Ashworth et al. (1988)	M	109
	2.3×10^{-3}		Yurteri et al. (1987)	M	9
	1.9×10^{-3}	4500	Sanemasa et al. (1982)	M	
	1.0×10^{-3}		Sato and Nakajima (1979a)	M	20
	2.9×10^{-3}	5400	Wasik and Tsang (1970)	M	
	1.8×10^{-3}		Mackay et al. (2006a)	V	
	1.8×10^{-3}		Shiu and Ma (2000)	V	
	1.8×10^{-3}		Mackay et al. (1992a)	V	
	2.3×10^{-3}		Eastcott et al. (1988)	V	
	1.8×10^{-3}		Hine and Mookerjee (1975)	V	
	1.9×10^{-3}		Mackay and Leinonen (1975)	V	
	2.0×10^{-3}		Hilal et al. (2008)	Q	
		4100	Kühne et al. (2005)	Q	
	1.1×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
		4100	Kühne et al. (2005)	?	
	2.3×10^{-3}		Yaws and Yang (1992)	?	98
	1.9×10^{-3}		Abraham et al. (1990)	?	
1,2-dimethylbenzene-d10 $C_6D_4(CD_3)_2$ (*o*-xylene-d10) [56004-61-6]	3.0×10^{-3}	4700	Hiatt (2013)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,3-dimethylbenzene	1.4×10^{-3}	4200	Staudinger and Roberts (2001)	L	
$C_6H_4(CH_3)_2$	1.3×10^{-3}	4200	Staudinger and Roberts (1996)	L	
(*m*-xylene)	1.4×10^{-3}		Mackay and Shiu (1981)	L	
[108-38-3]	1.3×10^{-3}		Kim and Kim (2014)	M	
	1.4×10^{-3}		Li et al. (2008)	M	
	1.3×10^{-3}		Karl et al. (2003)	M	30
	1.5×10^{-3}		Dohnal and Hovorka (1999)	M	
	1.5×10^{-3}	2900	Kondoh and Nakajima (1997)	M	
	1.6×10^{-3}	4300	Dewulf et al. (1995)	M	
	1.3×10^{-3}		Li and Carr (1993)	M	
	1.5×10^{-3}		Li et al. (1993)	M	
	1.4×10^{-3}	6000	Bissonette et al. (1990)	M	
	1.3×10^{-3}	3300	Ashworth et al. (1988)	M	109
	1.4×10^{-3}	4700	Sanemasa et al. (1982)	M	
	6.4×10^{-4}		Sato and Nakajima (1979a)	M	20
	1.8×10^{-3}	4500	Tsibul'skii et al. (1979)	M	
	1.4×10^{-3}		Mackay et al. (2006a)	V	
	1.4×10^{-3}		Shiu and Ma (2000)	V	
	1.4×10^{-3}		Mackay et al. (1992a)	V	
	1.4×10^{-3}		Eastcott et al. (1988)	V	
	1.6×10^{-3}		Hine and Mookerjee (1975)	V	
	1.7×10^{-3}	5000	Andon et al. (1954)	V	133
	1.7×10^{-3}		Bohon and Claussen (1951)	V	
	1.7×10^{-3}	4300	Shaw (1989)	X	3
	1.5×10^{-3}		Hilal et al. (2008)	Q	
		4700	Kühne et al. (2005)	Q	
	1.1×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
		4900	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.5×10^{-3}		Yaws and Yang (1992)	?	98
	1.3×10^{-3}		Abraham et al. (1990)	?	
1,4-dimethylbenzene	1.9×10^{-3}	4200	Fogg and Sangster (2003)	L	
$C_6H_4(CH_3)_2$	1.3×10^{-3}	4000	Staudinger and Roberts (2001)	L	
(*p*-xylene)	1.3×10^{-3}	3800	Staudinger and Roberts (1996)	L	
[106-42-3]	1.4×10^{-3}		Mackay and Shiu (1981)	L	
	1.3×10^{-3}		Kim and Kim (2014)	M	
	1.4×10^{-3}		Li et al. (2008)	M	
	2.0×10^{-3}		Bobadilla et al. (2003)	M	
	1.4×10^{-3}		Ryu and Park (1999)	M	
	1.5×10^{-3}		Dohnal and Hovorka (1999)	M	
	1.5×10^{-3}	2900	Kondoh and Nakajima (1997)	M	
	9.8×10^{-4}	3200	Park et al. (1997)	M	
	1.7×10^{-3}	4800	Dewulf et al. (1995)	M	
	1.2×10^{-3}	3100	Hansen et al. (1993)	M	111
	1.3×10^{-3}		Li and Carr (1993)	M	
	1.4×10^{-3}		Li et al. (1993)	M	
	1.7×10^{-3}		Zhang and Pawliszyn (1993)	M	
	1.2×10^{-3}	5300	Bissonette et al. (1990)	M	
	1.3×10^{-3}	3500	Ashworth et al. (1988)	M	109
	1.3×10^{-3}	4800	Sanemasa et al. (1982)	M	
	6.1×10^{-4}		Sato and Nakajima (1979a)	M	20
	2.3×10^{-3}	5400	Wasik and Tsang (1970)	M	
	1.8×10^{-4}		Abraham and Acree Jr. (2007)	V	
	1.7×10^{-3}		Mackay et al. (2006a)	V	
	1.4×10^{-3}		Shiu and Ma (2000)	V	
	1.5×10^{-3}		Park et al. (1997)	V	
	1.7×10^{-3}		Mackay et al. (1992a)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.5×10^{-3}		Hwang et al. (1992)	V	
	1.8×10^{-3}		Eastcott et al. (1988)	V	
	1.6×10^{-3}		Hine and Mookerjee (1975)	V	
	1.6×10^{-3}	4900	Andon et al. (1954)	V	133
	1.6×10^{-3}		Bohon and Claussen (1951)	V	
	1.3×10^{-3}		Schüürmann (2000)	C	11
	1.5×10^{-3}		Hilal et al. (2008)	Q	
		4700	Kühne et al. (2005)	Q	
	1.1×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
		4500	Kühne et al. (2005)	?	
	1.6×10^{-3}		Yaws and Yang (1992)	?	98
	1.4×10^{-3}		Abraham et al. (1990)	?	
1,2,3-trimethylbenzene	2.7×10^{-3}	4800	Fogg and Sangster (2003)	L	
$C_6H_3(CH_3)_3$	3.1×10^{-3}		Mackay and Shiu (1981)	L	
[526-73-8]	2.4×10^{-3}	4500	Sanemasa et al. (1982)	M	
	2.9×10^{-3}		Mackay et al. (2006a)	V	
	2.9×10^{-3}		Shiu and Ma (2000)	V	
	3.1×10^{-3}		Abraham et al. (1994)	V	
	2.9×10^{-3}		Mackay et al. (1992a)	V	
	2.7×10^{-3}		Eastcott et al. (1988)	V	
	3.1×10^{-3}		Hilal et al. (2008)	Q	
		3900	Kühne et al. (2005)	Q	
	8.2×10^{-4}		Nirmalakhandan et al. (1997)	Q	
		4400	Kühne et al. (2005)	?	
	2.7×10^{-3}		Yaws and Yang (1992)	?	98
	2.1×10^{-3}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,4-trimethylbenzene	1.7×10^{-3}	3100	Fogg and Sangster (2003)	L	
$C_6H_3(CH_3)_3$	1.7×10^{-3}		Mackay and Shiu (1981)	L	
[95-63-6]	3.2×10^{-3}	5200	Hiatt (2013)	M	
	1.7×10^{-3}		Li et al. (2008)	M	
	2.3×10^{-3}	3600	Kondoh and Nakajima (1997)	M	
	1.5×10^{-3}	4300	Hansen et al. (1993)	M	111
	2.1×10^{-3}		Yurteri et al. (1987)	M	9
	1.6×10^{-3}	4800	Sanemasa et al. (1982)	M	
	1.8×10^{-3}		Mackay et al. (2006a)	V	
	1.8×10^{-3}		Shiu and Ma (2000)	V	
	1.7×10^{-3}		Abraham et al. (1994)	V	
	1.8×10^{-3}		Mackay et al. (1992a)	V	
	1.6×10^{-3}		Eastcott et al. (1988)	V	
	1.7×10^{-3}		Hine and Mookerjee (1975)	V	
	2.1×10^{-3}		Hilal et al. (2008)	Q	
		4500	Kühne et al. (2005)	Q	
	8.0×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	8.2×10^{-4}		Arbuckle (1983)	Q	
		4700	Kühne et al. (2005)	?	
	1.7×10^{-3}		Yaws and Yang (1992)	?	98
	1.6×10^{-3}		Abraham et al. (1990)	?	
1,3,5-trimethylbenzene	1.7×10^{-3}		Mackay and Shiu (1981)	L	
$C_6H_3(CH_3)_3$	2.3×10^{-3}	5100	Hiatt (2013)	M	
(mesitylene)	2.0×10^{-3}		Karl et al. (2003)	M	30
[108-67-8]	1.5×10^{-3}	3000	Kondoh and Nakajima (1997)	M	
	1.3×10^{-3}		Li and Carr (1993)	M	
	1.4×10^{-3}		Li et al. (1993)	M	
	1.4×10^{-3}	3600	Ashworth et al. (1988)	M	109

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.1×10^{-3}	4700	Sanemasa et al. (1982)	M	
	1.1×10^{-3}	4600	Sanemasa et al. (1981)	M	
	1.4×10^{-4}		Abraham and Acree Jr. (2007)	V	
	1.3×10^{-3}		Mackay et al. (2006a)	V	
	1.3×10^{-3}		Shiu and Ma (2000)	V	
	1.8×10^{-3}		Abraham et al. (1994)	V	
	1.3×10^{-3}		Mackay et al. (1992a)	V	
	1.2×10^{-3}		Eastcott et al. (1988)	V	
	1.4×10^{-3}		Hilal et al. (2008)	Q	
		5000	Kühne et al. (2005)	Q	
	8.0×10^{-4}		Nirmalakhandan et al. (1997)	Q	
		4400	Kühne et al. (2005)	?	
	1.2×10^{-3}		Yaws and Yang (1992)	?	98
	1.3×10^{-3}		Abraham et al. (1990)	?	
1,2,3,5-tetramethylbenzene	1.2×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_{14}$	2.2×10^{-3}		Zhang et al. (2010)	Q	113, 115
[527-53-7]	2.2×10^{-3}		Zhang et al. (2010)	Q	113, 116
	4.1×10^{-4}		Zhang et al. (2010)	Q	113, 117
1,2,4,5-tetramethylbenzene	3.9×10^{-4}		Mackay and Shiu (1981)	L	
$C_{10}H_{14}$	3.9×10^{-4}		Mackay et al. (2006a)	V	
[95-93-2]	3.9×10^{-4}		Mackay et al. (1992a)	V	
	3.9×10^{-4}		Eastcott et al. (1988)	V	
	1.2×10^{-3}		Zhang et al. (2010)	Q	113, 114
	2.5×10^{-3}		Zhang et al. (2010)	Q	113, 115
	1.9×10^{-3}		Zhang et al. (2010)	Q	113, 116
	4.1×10^{-4}		Zhang et al. (2010)	Q	113, 117

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.9×10^{-3}		Hilal et al. (2008)	Q	
	3.9×10^{-4}		Yaws and Yang (1992)	?	98
ethylbenzene	1.4×10^{-3}	4800	Fogg and Sangster (2003)	L	
$C_6H_5C_2H_5$	1.3×10^{-3}	5100	Staudinger and Roberts (2001)	L	
[100-41-4]	1.2×10^{-3}	5100	Staudinger and Roberts (1996)	L	
	1.3×10^{-3}		Mackay and Shiu (1981)	L	
	2.0×10^{-3}	4100	Hiatt (2013)	M	
	1.4×10^{-3}		Zhang et al. (2013)	M	
	1.3×10^{-3}	5100	Sieg et al. (2009)	M	
	1.4×10^{-3}		Li et al. (2008)	M	
	1.1×10^{-3}		Lodge and Danso (2007)	M	
			Cheng et al. (2003)	M	128
	1.6×10^{-3}		Miller and Stuart (2000)	M	129
	1.1×10^{-3}		Ryu and Park (1999)	M	140
	1.3×10^{-3}		Allen et al. (1998)	M	
	1.4×10^{-3}	2800	Kondoh and Nakajima (1997)	M	
	1.1×10^{-3}		Turner et al. (1996)	M	
	1.5×10^{-3}	4900	Dewulf et al. (1995)	M	
	1.3×10^{-3}	4600	Robbins et al. (1993)	M	
	1.3×10^{-3}	5300	Perlinger et al. (1993)	M	
	1.3×10^{-3}		Li and Carr (1993)	M	
	1.3×10^{-3}		Li et al. (1993)	M	
	2.5×10^{-3}		Zhang and Pawliszyn (1993)	M	
	1.1×10^{-3}	5500	Bissonette et al. (1990)	M	
	1.2×10^{-3}	5000	Ashworth et al. (1988)	M	109
	1.3×10^{-3}	4400	Heidman et al. (1985)	M	
	1.3×10^{-3}	4600	Sanemasa et al. (1982)	M	
	1.4×10^{-3}	4500	Sanemasa et al. (1981)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.4×10^{-3}	5500	Ervin et al. (1980)	M	
	1.5×10^{-3}		Warner et al. (1980)	M	
	1.2×10^{-3}		Mackay et al. (1979)	M	
	6.6×10^{-4}		Sato and Nakajima (1979a)	M	20
	1.3×10^{-3}	5600	Brown and Wasik (1974)	M	
	1.6×10^{-3}	6400	Hartkopf and Karger (1973)	M	
	1.6×10^{-4}		Abraham and Acree Jr. (2007)	V	
	1.1×10^{-3}		Mackay et al. (2006a)	V	
	1.2×10^{-3}		Shiu and Ma (2000)	V	
	1.2×10^{-3}		Lide and Frederikse (1995)	V	
	1.1×10^{-3}		Mackay et al. (1992a)	V	
	1.2×10^{-3}		Hwang et al. (1992)	V	
	1.0×10^{-3}		Eastcott et al. (1988)	V	
	1.2×10^{-3}	4800	Abraham (1984)	V	
	1.6×10^{-3}	4900	Ben-Naim and Wilf (1980)	V	
	1.5×10^{-3}		Warner et al. (1980)	V	
	1.1×10^{-3}		Hine and Mookerjee (1975)	V	
	1.5×10^{-3}	4900	Andon et al. (1954)	V	133
	1.5×10^{-3}		Bohon and Claussen (1951)	V	
	1.1×10^{-3}		Mackay et al. (1979)	T	
		4800	Gill et al. (1976)	T	106
	1.6×10^{-3}	1700	Goldstein (1982)	X	122
	1.6×10^{-3}		Ryan et al. (1988)	C	
	1.4×10^{-3}		Hilal et al. (2008)	Q	
		4700	Kühne et al. (2005)	Q	
	1.3×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	1.3×10^{-3}		Arbuckle (1983)	Q	
		5000	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.1×10^{-3}		Hoff et al. (1993)	?	11
	1.2×10^{-3}		Yaws and Yang (1992)	?	98
	1.2×10^{-3}		Abraham et al. (1990)	?	
ethylbenzene-d10 $C_6D_5C_2D_5$ [25837-05-2]	2.0×10^{-3}	4200	Hiatt (2013)	M	
1,2-diethylbenzene	1.2×10^{-3}		Hilal et al. (2008)	C	
$C_{10}H_{14}$	1.3×10^{-3}		Hilal et al. (2008)	Q	
(*o*-diethylbenzene)		4800	Kühne et al. (2005)	Q	
[135-01-3]		5100	Kühne et al. (2005)	?	
1,3-diethylbenzene	3.8×10^{-3}		Hilal et al. (2008)	C	
$C_{10}H_{14}$	9.7×10^{-4}		Hilal et al. (2008)	Q	
(*m*-diethylbenzene)		5300	Kühne et al. (2005)	Q	
[141-93-5]		5300	Kühne et al. (2005)	?	
1,4-diethylbenzene	1.1×10^{-3}		Hilal et al. (2008)	Q	
$C_{10}H_{14}$		5300	Kühne et al. (2005)	Q	
(*p*-diethylbenzene)	7.9×10^{-4}		Nirmalakhandan et al. (1997)	Q	
[105-05-5]		5900	Kühne et al. (2005)	?	
propylbenzene	1.4×10^{-3}		Mackay and Shiu (1981)	L	
$C_6H_5C_3H_7$	1.9×10^{-3}	4500	Hiatt (2013)	M	
[103-65-1]	1.5×10^{-3}		Karl et al. (2003)	M	30
	1.1×10^{-3}	2600	Kondoh and Nakajima (1997)	M	
	8.6×10^{-4}	5400	Perlinger et al. (1993)	M	
	9.3×10^{-4}		Li and Carr (1993)	M	
	9.1×10^{-4}		Li et al. (1993)	M	
	9.0×10^{-4}	3700	Ashworth et al. (1988)	M	109
	9.5×10^{-4}	4700	Sanemasa et al. (1982)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	5.0×10^{-4}		Sato and Nakajima (1979a)	M	20
	9.6×10^{-4}		Mackay et al. (2006a)	V	
	9.6×10^{-4}		Shiu and Ma (2000)	V	
	9.6×10^{-4}		Mackay et al. (1992a)	V	
	9.7×10^{-4}		Eastcott et al. (1988)	V	
	9.7×10^{-4}	5300	Abraham (1984)	V	
	1.5×10^{-3}	5500	Ben-Naim and Wilf (1980)	V	
	9.9×10^{-4}		Hine and Mookerjee (1975)	V	
		5300	Gill et al. (1976)	T	106
	9.9×10^{-4}		Hilal et al. (2008)	Q	
		5000	Kühne et al. (2005)	Q	
	1.1×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
		4700	Kühne et al. (2005)	?	
	9.6×10^{-4}		Yaws and Yang (1992)	?	98
	9.7×10^{-4}		Abraham et al. (1990)	?	
(2-propyl)-benzene	1.2×10^{-3}	3200	Staudinger and Roberts (2001)	L	
$C_6H_5C_3H_7$	7.7×10^{-3}		Mackay and Shiu (1981)	L	
(isopropylbenzene; cumene)	1.4×10^{-3}	4900	Hiatt (2013)	M	
[98-82-8]	1.0×10^{-3}	2500	Kondoh and Nakajima (1997)	M	
	8.7×10^{-4}	3300	Hansen et al. (1993)	M	111
	9.1×10^{-4}		Li and Carr (1993)	M	
	8.9×10^{-4}		Li et al. (1993)	M	
	1.6×10^{-3}	3200	Ashworth et al. (1988)	M	109
	8.9×10^{-4}	4700	Sanemasa et al. (1982)	M	
	5.6×10^{-4}		Sato and Nakajima (1979a)	M	20
	6.8×10^{-4}		Mackay et al. (2006a)	V	
	6.8×10^{-4}		Shiu and Ma (2000)	V	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	6.8×10^{-4}		Mackay et al. (1992a)	V	
	6.8×10^{-4}		Hwang et al. (1992)	V	
	6.6×10^{-4}		Eastcott et al. (1988)	V	
	6.7×10^{-4}		Hine and Mookerjee (1975)	V	
	6.8×10^{-4}		Mackay and Leinonen (1975)	V	
	9.4×10^{-4}		Savary et al. (2014)	Q	
	8.6×10^{-4}		Hilal et al. (2008)	Q	
		5000	Kühne et al. (2005)	Q	
	9.2×10^{-4}		Nirmalakhandan et al. (1997)	Q	
	9.2×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
		4400	Kühne et al. (2005)	?	
			Fogg and Sangster (2003)	?	141
	6.8×10^{-4}		Hoff et al. (1993)	?	11
	6.8×10^{-4}		Yaws and Yang (1992)	?	98
	8.8×10^{-4}		Abraham et al. (1990)	?	
1-ethyl-2-methylbenzene	2.3×10^{-3}		Mackay and Shiu (1981)	L	
$C_6H_4CH_3C_2H_5$	1.9×10^{-3}		Mackay et al. (2006a)	V	
(*o*-ethyltoluene)	1.9×10^{-3}		Mackay et al. (1992a)	V	
[611-14-3]	1.9×10^{-3}		Eastcott et al. (1988)	V	
	1.8×10^{-3}		Hilal et al. (2008)	Q	
		4500	Kühne et al. (2005)	Q	
	9.5×10^{-4}		Nirmalakhandan et al. (1997)	Q	
		3200	Kühne et al. (2005)	?	
	2.3×10^{-3}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-ethyl-3-methylbenzene $C_6H_4CH_3C_2H_5$ (*m*-ethyltoluene) [620-14-4]	1.3×10^{-3}		Hilal et al. (2008)	Q	
1-ethyl-4-methylbenzene	2.0×10^{-3}		Mackay and Shiu (1981)	L	
$C_6H_4CH_3C_2H_5$	2.0×10^{-3}		Mackay et al. (2006a)	V	
(*p*-ethyltoluene)	2.0×10^{-3}		Mackay et al. (1992a)	V	
[622-96-8]	2.0×10^{-3}		Eastcott et al. (1988)	V	
	1.4×10^{-3}		Hilal et al. (2008)	Q	
	9.5×10^{-4}		Nirmalakhandan et al. (1997)	Q	
	2.0×10^{-3}		Yaws and Yang (1992)	?	98
butylbenzene	7.7×10^{-4}		Mackay and Shiu (1981)	L	
$C_6H_5C_4H_9$	2.0×10^{-3}	4500	Hiatt (2013)	M	
[104-51-8]	7.4×10^{-4}		Ryu and Park (1999)	M	
	9.1×10^{-4}	2700	Kondoh and Nakajima (1997)	M	
	6.2×10^{-4}	6000	Perlinger et al. (1993)	M	
	7.1×10^{-4}		Li and Carr (1993)	M	
	6.7×10^{-4}		Li et al. (1993)	M	
	9.9×10^{-5}		Abraham and Acree Jr. (2007)	V	
	7.5×10^{-4}		Mackay et al. (2006a)	V	
	7.5×10^{-4}		Shiu and Ma (2000)	V	
	7.5×10^{-4}		Mackay et al. (1992a)	V	
	7.6×10^{-4}		Meylan and Howard (1991)	V	
	7.5×10^{-4}		Eastcott et al. (1988)	V	
	7.4×10^{-4}		Abraham (1984)	V	
	1.7×10^{-3}	6500	Ben-Naim and Wilf (1980)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	7.9×10^{-4}		Hine and Mookerjee (1975)	V	
	7.7×10^{-4}		Hilal et al. (2008)	Q	
		5300	Kühne et al. (2005)	Q	
	7.1×10^{-4}		Meylan and Howard (1991)	Q	
	8.4×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
		4900	Kühne et al. (2005)	?	
	7.5×10^{-4}		Yaws and Yang (1992)	?	98
	7.5×10^{-4}		Abraham et al. (1990)	?	
(1-methylpropyl)-benzene	7.1×10^{-4}		Mackay and Shiu (1981)	L	
$C_6H_5C_4H_9$	1.3×10^{-3}	4600	Hiatt (2013)	M	
(*sec*-butylbenzene)	7.5×10^{-4}	2300	Kondoh and Nakajima (1997)	M	
[135-98-8]	5.3×10^{-4}		Mackay et al. (2006a)	V	
	5.3×10^{-4}		Mackay et al. (1992a)	V	
	5.4×10^{-4}		Eastcott et al. (1988)	V	
	8.6×10^{-4}		Hine and Mookerjee (1975)	V	
	8.6×10^{-4}		Hilal et al. (2008)	Q	
	9.9×10^{-5}		Nirmalakhandan et al. (1997)	Q	
	7.2×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
(2-methylpropyl)-benzene	3.0×10^{-4}		Mackay and Shiu (1981)	L	
$C_6H_5C_4H_9$	3.0×10^{-4}		Mackay et al. (2006a)	V	
(isobutylbenzene)	3.0×10^{-4}		Mackay et al. (1992a)	V	
[538-93-2]	3.0×10^{-4}		Eastcott et al. (1988)	V	
	7.0×10^{-4}		Hilal et al. (2008)	Q	
	7.0×10^{-4}		Nirmalakhandan et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
(1,1-dimethylethyl)-benzene	8.3×10^{-4}		Mackay and Shiu (1981)	L	
$C_6H_5C_4H_9$	1.6×10^{-3}	4700	Hiatt (2013)	M	
(*tert*-butylbenzene)	9.4×10^{-4}	2400	Kondoh and Nakajima (1997)	M	
[98-06-6]	7.8×10^{-4}		Mackay et al. (2006a)	V	
	7.8×10^{-4}		Mackay et al. (1992a)	V	
	7.7×10^{-4}		Eastcott et al. (1988)	V	
	8.4×10^{-4}		Hine and Mookerjee (1975)	V	
	7.7×10^{-4}		Hilal et al. (2008)	Q	
	6.0×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
1-methyl-2-(1-methylethyl)-benzene $C_{10}H_{14}$ (*o*-cymene) [527-84-4]	1.2×10^{-3}		Hilal et al. (2008)	Q	
1-methyl-3-(1-methylethyl)-benzene	9.0×10^{-4}		Copolovici and Niinemets (2005)	V	
$C_{10}H_{14}$ (*m*-cymene) [535-77-3]	8.6×10^{-4}		Hilal et al. (2008)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-methyl-4-(1-methylethyl)-benzene	1.3×10^{-3}		Mackay and Shiu (1981)	L	
$C_{10}H_{14}$	1.8×10^{-3}	4900	Hiatt (2013)	M	
(*p*-cymene; *p*-isopropyltoluene)	1.0×10^{-3}	2600	Kondoh and Nakajima (1997)	M	
[99-87-6]	1.2×10^{-3}		Mackay et al. (2006a)	V	
	1.1×10^{-3}		Copolovici and Niinemets (2005)	V	
	9.1×10^{-4}		Niinemets and Reichstein (2002)	V	
	1.3×10^{-3}		Abraham et al. (1994)	V	
	1.2×10^{-3}		Mackay et al. (1992a)	V	
	1.2×10^{-3}		Eastcott et al. (1988)	V	
	8.8×10^{-4}		Hilal et al. (2008)	Q	
		5300	Kühne et al. (2005)	Q	
	6.5×10^{-4}		Nirmalakhandan et al. (1997)	Q	
		4500	Kühne et al. (2005)	?	
4-tert-butyltoluene	6.4×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_{11}H_{16}$	5.2×10^{-4}		Zhang et al. (2010)	Q	113, 115
[98-51-1]	1.3×10^{-3}		Zhang et al. (2010)	Q	113, 116
	4.7×10^{-4}		Zhang et al. (2010)	Q	113, 117
pentylbenzene	1.7×10^{-3}		Mackay and Shiu (1981)	L	
$C_6H_5C_5H_{11}$	6.1×10^{-4}		Ryu and Park (1999)	M	
[538-68-1]	5.9×10^{-4}		Mackay et al. (2006a)	V	
	5.9×10^{-4}		Mackay et al. (1992a)	V	
	1.6×10^{-3}		Eastcott et al. (1988)	V	
	6.0×10^{-4}		Abraham (1984)	V	
	3.0×10^{-3}	7800	Ben-Naim and Wilf (1980)	V	
	6.1×10^{-4}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	6.4×10^{-4}		Nirmalakhandan et al. (1997)	Q	
	5.9×10^{-4}		Yaws and Yang (1992)	?	98
	6.0×10^{-4}		Abraham et al. (1990)	?	
pentamethylbenzene $C_{11}H_{16}$ [700-12-9]	7.7×10^{-3}		Hilal et al. (2008)	Q	
(1,1-dimethylpropyl)-benzene	5.4×10^{-4}		Hine and Mookerjee (1975)	V	
$C_6H_5C_5H_{11}$	9.9×10^{-4}		Hilal et al. (2008)	Q	
(*tert*-amylbenzene) [2049-95-8]	5.1×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
hexylbenzene	4.6×10^{-4}		Mackay et al. (2006a)	V	
$C_6H_5C_6H_{13}$	4.6×10^{-4}		Mackay et al. (1992a)	V	
[1077-16-3]	4.5×10^{-4}		Meylan and Howard (1991)	V	
	5.1×10^{-4}		Eastcott et al. (1988)	V	
	4.5×10^{-4}		Abraham (1984)	V	
	7.7×10^{-3}	9000	Ben-Naim and Wilf (1980)	V	
	4.8×10^{-4}		Hilal et al. (2008)	Q	
	5.0×10^{-4}		Nirmalakhandan et al. (1997)	Q	
	4.0×10^{-4}		Meylan and Howard (1991)	Q	
	4.6×10^{-4}		Yaws and Yang (1992)	?	98
	4.3×10^{-4}		Abraham et al. (1990)	?	
hexamethylbenzene $C_{12}H_{18}$ [87-85-4]	8.6×10^{-3}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-t-butyl-o-xylene	5.8×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{18}$	7.2×10^{-4}		Zhang et al. (2010)	Q	113, 115
[7397-06-0]	9.0×10^{-4}		Zhang et al. (2010)	Q	113, 116
	2.7×10^{-4}		Zhang et al. (2010)	Q	113, 117
1-(1,1-dimethylethyl)-3,5-dimethylbenzene	5.8×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{18}$	4.5×10^{-4}		Zhang et al. (2010)	Q	113, 115
[98-19-1]	7.7×10^{-4}		Zhang et al. (2010)	Q	113, 116
	2.7×10^{-4}		Zhang et al. (2010)	Q	113, 117
heptylbenzene	2.2×10^{-2}	11000	Ben-Naim and Wilf (1980)	V	
$C_6H_5C_7H_{15}$	3.9×10^{-4}		Hilal et al. (2008)	Q	
[1078-71-3]					
5-t-butyl-1,2,3-trimethylbenzene	5.3×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_{13}H_{20}$	9.2×10^{-4}		Zhang et al. (2010)	Q	113, 115
[98-23-7]	9.0×10^{-4}		Zhang et al. (2010)	Q	113, 116
	1.5×10^{-4}		Zhang et al. (2010)	Q	113, 117
octylbenzene	5.4×10^{-2}	12000	Ben-Naim and Wilf (1980)	V	
$C_6H_5C_8H_{17}$	3.2×10^{-4}		Hilal et al. (2008)	Q	
[2189-60-8]					
3,5-di-tert-butyltoluene	3.7×10^{-3}	9100	Hiatt (2013)	M	
$C_{15}H_{24}$					
[15181-11-0]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,3,5-tris(1-methylethyl)benzene	2.5×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_{15}H_{24}$	1.8×10^{-4}		Zhang et al. (2010)	Q	113, 115
[717-74-8]	5.2×10^{-4}		Zhang et al. (2010)	Q	113, 116
	2.6×10^{-4}		Zhang et al. (2010)	Q	113, 117
ethyl(phenylethyl)-benzene	1.1×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_{18}$	1.2×10^{-2}		Zhang et al. (2010)	Q	113, 115
[64800-83-5]	6.4×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.8×10^{-2}		Zhang et al. (2010)	Q	113, 117
1-phenyldecane	1.3×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_{26}$	1.4×10^{-4}		Zhang et al. (2010)	Q	113, 115
[104-72-3]	3.4×10^{-4}		Zhang et al. (2010)	Q	113, 116
	2.8×10^{-4}		Zhang et al. (2010)	Q	113, 117
4-(1-phenylethyl)-m-xylene	1.3×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_{18}$	1.6×10^{-2}		Zhang et al. (2010)	Q	113, 115
[6165-52-2]	5.2×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.5×10^{-2}		Zhang et al. (2010)	Q	113, 117
bis(1-methylethyl)-1,1'-biphenyl	6.4×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{22}$	5.0×10^{-3}		Zhang et al. (2010)	Q	113, 115
[69009-90-1]	3.2×10^{-2}		Zhang et al. (2010)	Q	113, 116
	2.0×10^{-2}		Zhang et al. (2010)	Q	113, 117

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,1-bis(3,4-dimethylphenyl)ethane	1.0×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{22}$	1.8×10^{-2}		Zhang et al. (2010)	Q	113, 115
[1742-14-9]	6.5×10^{-2}		Zhang et al. (2010)	Q	113, 116
	4.8×10^{-3}		Zhang et al. (2010)	Q	113, 117
1-benzyl-2-(2-methylbenzyl)benzene	2.1×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{21}H_{20}$	2.5×10^{-1}		Zhang et al. (2010)	Q	113, 115
[100404-06-6]	1.4		Zhang et al. (2010)	Q	113, 116
	4.1×10^{-1}		Zhang et al. (2010)	Q	113, 117
2,5-dibenzyltoluene	2.1×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{21}H_{20}$	2.9×10^{-1}		Zhang et al. (2010)	Q	113, 115
[56310-11-3]	4.5		Zhang et al. (2010)	Q	113, 116
	4.1×10^{-1}		Zhang et al. (2010)	Q	113, 117
ethenylbenzene	2.7×10^{-3}		Kim and Kim (2014)	M	
C_8H_8	4.4×10^{-3}	4600	Hiatt (2013)	M	
(styrene)	3.4×10^{-3}		Dohnal and Hovorka (1999)	M	
[100-42-5]	3.8×10^{-3}	4100	Kondoh and Nakajima (1997)	M	
	2.9×10^{-3}	4800	Bissonette et al. (1990)	M	
	1.8×10^{-3}		Sato and Nakajima (1979a)	M	20
			Shiu and Ma (2000)	V	142
	3.6×10^{-3}		Lide and Frederikse (1995)	V	
	3.3×10^{-3}		Abraham et al. (1994)	V	
	3.3×10^{-3}		Mackay et al. (1993)	V	
	3.8×10^{-3}	4200	Goldstein (1982)	X	122
	3.8×10^{-3}	3800	Fogg and Sangster (2003)	C	
	3.2×10^{-3}		Hilal et al. (2008)	Q	
		4800	Kühne et al. (2005)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	3.7×10^{-3}		Nirmalakhandan et al. (1997)	Q	
		3700	Kühne et al. (2005)	?	
	3.7×10^{-3}		Yaws and Yang (1992)	?	98
(*E*)-1-propenylbenzene C_9H_{10} [873-66-5]	2.9×10^{-3}		Hilal et al. (2008)	Q	
2-propenylbenzene	1.4×10^{-3}		Sato and Nakajima (1979a)	M	20
C_9H_{10}	2.2×10^{-3}		Hilal et al. (2008)	Q	
(allylbenzene) [300-57-2]	2.9×10^{-3}		Nirmalakhandan et al. (1997)	Q	
1-ethenyl-3-methylbenzene	3.1×10^{-3}		Hilal et al. (2008)	Q	
C_9H_{10} (*m*-methylstyrene) [100-80-1]	2.6×10^{-3}		Yaws and Yang (1992)	?	98
1-ethenyl-4-methylbenzene	3.4×10^{-3}		Hilal et al. (2008)	Q	
C_9H_{10} (*p*-methylstyrene) [622-97-9]	3.5×10^{-3}		Yaws and Yang (1992)	?	98
(1-methylethenyl)-benzene	3.3×10^{-3}		Abraham et al. (1994)	V	
C_9H_{10} (*α*-methyl styrene) [98-83-9]	2.4×10^{-3}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
phenylacetylene C_8H_6 [536-74-3]	3.9×10^{-3}		Hilal et al. (2008)	Q	
α-methylstyrene dimer	5.7×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{20}$	7.2×10^{-3}		Zhang et al. (2010)	Q	113, 115
[6144-04-3]	2.4×10^{-1}		Zhang et al. (2010)	Q	113, 116
	9.0×10^{-2}		Zhang et al. (2010)	Q	113, 117
Terpenes and terpenoids					
1-methyl-4-(1-methylethyl)-cyclohexane $C_{10}H_{20}$ (p-menthane) [99-82-1]	5.6×10^{-6}		Copolovici and Niinemets (2005)	V	
α-pinene	2.9×10^{-4}	1800	Leng et al. (2013)	M	
$C_{10}H_{16}$	7.4×10^{-5}	4400	Copolovici and Niinemets (2005)	M	
[80-56-8]	5.8×10^{-4}		Karl et al. (2003)	M	30
	7.0×10^{-5}		Fichan et al. (1999)	M	
	4.7×10^{-5}		Falk et al. (1990)	M	20
	7.4×10^{-5}		Copolovici and Niinemets (2005)	V	
	7.4×10^{-5}		Niinemets and Reichstein (2002)	V	
	2.8×10^{-5}	10000	Li et al. (1998)	V	
	3.5×10^{-5}		Hilal et al. (2008)	C	
	3.1×10^{-5}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
β-pinene	1.6×10^{-4}		Helburn et al. (2008)	M	
$C_{10}H_{16}$	1.5×10^{-4}	4500	Copolovici and Niinemets (2005)	M	
[127-91-3]	4.9×10^{-4}		Karl et al. (2003)	M	30
	4.7×10^{-5}		Falk et al. (1990)	M	20
	1.5×10^{-4}		Copolovici and Niinemets (2005)	V	
	1.5×10^{-4}		Niinemets and Reichstein (2002)	V	
1-methyl-4-(1-methylethyl)-1,3-cyclohexadiene	2.9×10^{-4}	4800	Copolovici and Niinemets (2005)	M	
$C_{10}H_{16}$	4.5×10^{-4}		Karl et al. (2003)	M	30
(α-terpinene)	2.8×10^{-4}		Copolovici and Niinemets (2005)	V	
[99-86-5]	5.1×10^{-4}		Niinemets and Reichstein (2002)	V	
1-methyl-4-(1-methylethyl)-1,4-cyclohexadiene	3.8×10^{-4}	4800	Copolovici and Niinemets (2005)	M	
$C_{10}H_{16}$	3.8×10^{-4}		Copolovici and Niinemets (2005)	V	
(γ-terpinene)	2.8×10^{-4}		Niinemets and Reichstein (2002)	V	
[99-85-4]	5.4×10^{-4}	8000	Li et al. (1998)	V	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-methyl-4-(1-methylethenyl)-cyclohexene	4.8×10^{-4}	4600	Leng et al. (2013)	M	
$C_{10}H_{16}$	7.0×10^{-4}		Fichan et al. (1999)	M	
(limonene)	7.0×10^{-4}		Falk et al. (1990)	M	20
[138-86-3]	3.5×10^{-4}		Copolovici and Niinemets (2005)	V	
	6.4×10^{-4}	3000	van Roon et al. (2005)	V	
	3.5×10^{-4}		Niinemets and Reichstein (2002)	V	
	1.7×10^{-4}	10000	Li et al. (1998)	V	
	1.1×10^{-4}		Hilal et al. (2008)	Q	
(R)-1-methyl-4-(1-methylethenyl)-cyclohexene	2.6×10^{-4}		Helburn et al. (2008)	M	
$C_{10}H_{16}$	3.5×10^{-4}	4500	Copolovici and Niinemets (2005)	M	
(R-(+)-limonene; D-limonene) [5989-27-5]	3.8×10^{-4}		Mackay et al. (2006a)	V	
(S)-1-methyl-4-(1-methylethenyl)-cyclohexene $C_{10}H_{16}$ (S-(-)-limonene) [5989-54-8]	3.5×10^{-4}	4400	Copolovici and Niinemets (2005)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,7,7-trimethyl-bicyclo[4.1.0]hept-3-ene	1.6×10^{-4}		Falk et al. (1990)	M	20
$C_{10}H_{16}$	7.3×10^{-5}		Copolovici and Niinemets (2005)	V	
(3-carene)	7.3×10^{-5}		Niinemets and Reichstein (2002)	V	
[13466-78-9]					
7-methyl-3-methylene-1,6-octadiene	8.7×10^{-4}		Fichan et al. (1999)	M	
$C_{10}H_{16}$	1.6×10^{-4}		Copolovici and Niinemets (2005)	V	
(myrcene)	7.2×10^{-4}	2800	van Roon et al. (2005)	V	
[123-35-3]	1.6×10^{-4}		Niinemets and Reichstein (2002)	V	
1-methyl-4-(1-methylethylidene)-cyclohexene	3.8×10^{-4}	5300	Copolovici and Niinemets (2005)	M	
$C_{10}H_{16}$	3.7×10^{-4}		Copolovici and Niinemets (2005)	V	
(α-terpinolene)	3.8×10^{-4}		Niinemets and Reichstein (2002)	V	
[586-62-9]	5.7×10^{-4}	12000	Li et al. (1998)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methyl-5-(1-methylethyl)-1,3-cyclohexadiene	1.8×10^{-4}	4500	Copolovici and Niinemets (2005)	M	
$C_{10}H_{16}$	1.8×10^{-4}		Copolovici and Niinemets (2005)	V	
(α-phellandrene) [99-83-2]	1.4×10^{-4}		Niinemets and Reichstein (2002)	V	
3-methylene-6-(1-methylethyl)-cyclohexene	1.8×10^{-4}	5100	Copolovici and Niinemets (2005)	M	
$C_{10}H_{16}$	1.8×10^{-4}		Copolovici and Niinemets (2005)	V	
(β-phellandrene) [555-10-2]	1.8×10^{-4}		Niinemets and Reichstein (2002)	V	
3,7-dimethyl-1,3,6-octatriene $C_{10}H_{16}$ (β-ocimene) [13877-91-3]	4.0×10^{-4}		Copolovici and Niinemets (2005)	V	
(*Z*)-3,7-dimethyl-1,3,6-octatriene $C_{10}H_{16}$ (*cis*-β-ocimene) [3338-55-4]	4.0×10^{-4}		Niinemets and Reichstein (2002)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
(*E*)-3,7-dimethyl-1,3,6-octatriene $C_{10}H_{16}$ (*trans*-β-ocimene) [3779-61-1]	3.0×10^{-4}		Niinemets and Reichstein (2002)	V	
2,2-dimethyl-3-methylene-bicyclo[2.2.1]heptane	3.1×10^{-4}		Copolovici and Niinemets (2005)	V	
$C_{10}H_{16}$ (camphene) [79-92-5]	6.3×10^{-4}		Niinemets and Reichstein (2002)	V	
4-methylene-1-(1-methylethyl)-bicyclo[3.1.0]hexane	1.6×10^{-4}		Copolovici and Niinemets (2005)	V	
$C_{10}H_{16}$ (sabinene) [3387-41-5]	1.6×10^{-4}		Niinemets and Reichstein (2002)	V	
tricyclo[3.3.1.1(3,7)]decane	8.0×10^{-4}	3400	van Roon et al. (2005)	V	
$C_{10}H_{16}$ (adamantane) [281-23-2]	1.1×10^{-4}		Hilal et al. (2008)	Q	
Polynuclear aromatics					
azulene $C_{10}H_8$ [275-51-4]	1.5×10^{-1}	7800	Hiatt (2013)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
naphthalene	2.1×10^{-2}		Ma et al. (2010)	L	143
$C_{10}H_8$	2.2×10^{-2}		Ma et al. (2010)	L	144
[91-20-3]	2.2×10^{-2}	5300	Fogg and Sangster (2003)	L	
	2.3×10^{-2}		Mackay and Shiu (1981)	L	
	3.3×10^{-2}	6100	Hiatt (2013)	M	
	6.0×10^{-2}		Lee et al. (2012)	M	
	4.0×10^{-2}		Bobadilla et al. (2003)	M	
	2.4×10^{-2}		Destaillats and Charles (2002)	M	
	1.3×10^{-2}	3600	Dewulf et al. (1999)	M	
	1.8×10^{-2}		Altschuh et al. (1999)	M	
	2.2×10^{-2}		De Maagd et al. (1998)	M	9
	2.2×10^{-2}		Shiu and Mackay (1997)	M	
	1.7×10^{-2}	5100	Kondoh and Nakajima (1997)	M	
	2.3×10^{-2}	5700	Alaee et al. (1996)	M	
	2.1×10^{-2}		Zhang and Pawliszyn (1993)	M	
	1.3×10^{-2}		Fendinger and Glotfelty (1990)	M	
	2.7×10^{-2}		Yurteri et al. (1987)	M	9
	2.6×10^{-2}		Webster et al. (1985)	M	
	2.0×10^{-2}		Mackay et al. (1979)	M	
	1.8×10^{-2}		Southworth (1979)	M	
	2.2×10^{-2}	5400	Schwarz and Wasik (1977)	M	
	2.3×10^{-2}		Mackay et al. (2006a)	V	
	2.3×10^{-2}		Shiu and Ma (2000)	V	
	3.2×10^{-2}		De Maagd et al. (1998)	V	9
	2.3×10^{-2}		Shiu and Mackay (1997)	V	
	2.0×10^{-2}		Lide and Frederikse (1995)	V	
	2.3×10^{-2}		Abraham et al. (1994)	V	
	9.0×10^{-3}		Hwang et al. (1992)	V	
	7.2×10^{-3}		Eastcott et al. (1988)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.3×10^{-2}		Cabani et al. (1981)	V	
	2.4×10^{-2}		Hine and Mookerjee (1975)	V	
	8.4×10^{-3}		Mackay and Leinonen (1975)	V	
	1.9×10^{-2}		Bohon and Claussen (1951)	V	
	1.1×10^{-2}	2100	Paasivirta et al. (1999)	T	
	2.1×10^{-2}		Mackay et al. (1979)	T	
	2.1×10^{-2}	3600	Goldstein (1982)	X	122
	2.7×10^{-2}		McCarty (1980)	X	145
	2.0×10^{-2}		Ryan et al. (1988)	C	
	2.1×10^{-2}		Hilal et al. (2008)	Q	
		5200	Kühne et al. (2005)	Q	
	3.2×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	3.4×10^{-2}		Arbuckle (1983)	Q	
		5400	Kühne et al. (2005)	?	
	8.0×10^{-3}		Yaws and Yang (1992)	?	98
	2.3×10^{-2}		Abraham et al. (1990)	?	
naphthalene-d8 $C_{10}D_8$ [1146-65-2]	3.5×10^{-2}	5300	Hiatt (2013)	M	
1-methylnaphthalene	2.2×10^{-2}	6100	Fogg and Sangster (2003)	L	
$C_{10}H_7CH_3$	2.2×10^{-2}		Mackay and Shiu (1981)	L	
[90-12-0]	4.4×10^{-2}	5900	Hiatt (2013)	M	
	1.9×10^{-2}		Altschuh et al. (1999)	M	
	2.1×10^{-2}	6100	Bamford et al. (1999a)	M	
	4.1×10^{-2}		Shiu and Mackay (1997)	M	
	1.6×10^{-2}		Fendinger and Glotfelty (1990)	M	
	3.8×10^{-2}		Mackay and Shiu (1981)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.8×10^{-2}	4900	Schwarz and Wasik (1977)	M	
	2.2×10^{-2}		Mackay et al. (2006a)	V	
	2.2×10^{-2}		Shiu and Ma (2000)	V	
	2.2×10^{-2}		Shiu and Mackay (1997)	V	
	2.5×10^{-2}		Abraham et al. (1994)	V	
	2.5×10^{-2}		Eastcott et al. (1988)	V	
	2.2×10^{-2}		Cabani et al. (1981)	V	
	2.8×10^{-2}		Hilal et al. (2008)	Q	
		5500	Kühne et al. (2005)	Q	
	2.3×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
		5700	Kühne et al. (2005)	?	
	2.7×10^{-2}		Yaws and Yang (1992)	?	98
1-methylnaphthalene-d10 $C_{10}D_7CD_3$ [38072-94-5]	4.6×10^{-2}	5400	Hiatt (2013)	M	
2-methylnaphthalene $C_{10}H_7CH_3$ [91-57-6]	1.8×10^{-2}	5600	Fogg and Sangster (2003)	L	
	3.5×10^{-2}	5500	Hiatt (2013)	M	
	1.6×10^{-2}		Altschuh et al. (1999)	M	
	1.9×10^{-2}	5400	Bamford et al. (1999a)	M	
	2.2×10^{-2}		De Maagd et al. (1998)	M	9
	5.0×10^{-5}	1200	Hansen et al. (1993)	M	111
	3.1×10^{-2}		Fendinger and Glotfelty (1990)	M	
	2.0×10^{-2}		Mackay et al. (2006a)	V	
			Shiu and Ma (2000)	V	142
	2.6×10^{-2}		De Maagd et al. (1998)	V	9
	2.0×10^{-2}		Shiu and Mackay (1997)	V	
	2.4×10^{-2}		Meylan and Howard (1991)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.0×10^{-2}		Eastcott et al. (1988)	V	
	2.4×10^{-2}		Mackay and Shiu (1981)	V	
	2.0×10^{-2}		Mackay et al. (1992b)	X	146
	2.6×10^{-2}		Hilal et al. (2008)	Q	
		5500	Kühne et al. (2005)	Q	
	1.7×10^{-2}		Meylan and Howard (1991)	Q	
		5700	Kühne et al. (2005)	?	
	2.0×10^{-2}		Yaws and Yang (1992)	?	98
1-ethylnaphthalene $C_{10}H_7C_2H_5$ [1127-76-0]	2.6×10^{-2}		Mackay and Shiu (1981)	L	
	1.4×10^{-2}		Altschuh et al. (1999)	M	
	2.2×10^{-2}	4800	Schwarz and Wasik (1977)	M	
	2.6×10^{-2}		Mackay et al. (2006a)	V	
	2.7×10^{-2}		Eastcott et al. (1988)	V	
	2.3×10^{-2}		Cabani et al. (1981)	V	
	2.6×10^{-2}		Mackay et al. (1992b)	X	146
	2.8×10^{-2}		Hilal et al. (2008)	Q	
	2.2×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	2.7×10^{-2}		Yaws and Yang (1992)	?	98
2-ethylnaphthalene $C_{10}H_7C_2H_5$ [939-27-5]	1.2×10^{-2}		Mackay and Shiu (1981)	L	
	1.8×10^{-2}		Altschuh et al. (1999)	M	
	1.3×10^{-2}		Mackay et al. (2006a)	V	
	1.6×10^{-2}		Eastcott et al. (1988)	V	
	1.3×10^{-2}		Mackay et al. (1992b)	X	146
	1.9×10^{-2}		Hilal et al. (2008)	Q	
	1.6×10^{-2}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,3-dimethylnaphthalene	2.6×10^{-2}		Cabani et al. (1981)	V	
$C_{12}H_{12}$	2.9×10^{-2}		Hilal et al. (2008)	Q	
[575-41-7]	1.9×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	1.4×10^{-2}		Yaws and Yang (1992)	?	98
1,4-dimethylnaphthalene	3.2×10^{-2}		Mackay et al. (2006a)	V	
$C_{12}H_{12}$	4.7×10^{-2}		Cabani et al. (1981)	V	
[571-58-4]	4.4×10^{-2}		Hilal et al. (2008)	Q	
	1.9×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	2.0×10^{-2}		Yaws and Yang (1992)	?	98
1,5-dimethylnaphthalene	2.8×10^{-2}		Shiu and Mackay (1997)	M	
$C_{12}H_{12}$	3.3×10^{-2}		Hilal et al. (2008)	Q	
[571-61-9]	1.1×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
	1.6×10^{-2}		Yaws and Yang (1992)	?	98
2,3-dimethylnaphthalene	1.6×10^{-2}		Mackay et al. (2006a)	V	
$C_{12}H_{12}$	6.4×10^{-2}		Eastcott et al. (1988)	V	
[581-40-8]	4.4×10^{-2}		Cabani et al. (1981)	V	
	1.1×10^{-2}		Meylan and Howard (1991)	C	
	3.6×10^{-2}		Hilal et al. (2008)	Q	
	1.3×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	1.5×10^{-2}		Meylan and Howard (1991)	Q	
	1.7×10^{-2}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,6-dimethylnaphthalene	7.8×10^{-3}		Mackay et al. (2006a)	V	
$C_{12}H_{12}$	6.2×10^{-2}		Eastcott et al. (1988)	V	
[581-42-0]	3.4×10^{-2}		Cabani et al. (1981)	V	
	3.2×10^{-2}		Hilal et al. (2008)	Q	
	1.9×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	8.2×10^{-3}		Yaws and Yang (1992)	?	98
1,4,5-trimethylnaphthalene	1.8×10^{-2}		Mackay et al. (2006a)	V	
$C_{13}H_{14}$ [2131-41-1]	4.3×10^{-2}		Eastcott et al. (1988)	V	
biphenyl	3.6×10^{-2}		Mackay and Shiu (1981)	L	
$(C_6H_5)_2$	3.4×10^{-2}		Destaillats and Charles (2002)	M	
[92-52-4]			Dewulf et al. (1999)	M	147
	3.2×10^{-2}		Shiu and Mackay (1997)	M	
	5.1×10^{-2}		Fendinger and Glotfelty (1990)	M	
	3.3×10^{-2}		Mackay and Shiu (1981)	M	
	2.4×10^{-2}		Mackay et al. (1979)	M	
	3.5×10^{-2}		Mackay et al. (2006a)	V	
	3.5×10^{-2}		Mackay et al. (2006b)	V	
	3.6×10^{-2}		Shiu and Ma (2000)	V	
	3.5×10^{-2}		Shiu and Mackay (1997)	V	
	3.6×10^{-2}		Abraham et al. (1994)	V	
	1.9×10^{-2}		Mackay et al. (1992a)	V	
	1.2×10^{-2}		Eastcott et al. (1988)	V	
	1.9×10^{-2}		Shiu and Mackay (1986)	V	
	3.5×10^{-2}		Cabani et al. (1981)	V	
	6.4×10^{-3}		Mackay and Leinonen (1975)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.2×10^{-2}		Bohon and Claussen (1951)	V	
	7.6×10^{-3}	2900	Paasivirta et al. (1999)	T	
	1.3×10^{-2}		Hilal et al. (2008)	Q	
		5100	Kühne et al. (2005)	Q	
	8.0×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	2.9×10^{-2}		Arbuckle (1983)	Q	
		6000	Kühne et al. (2005)	?	
	1.2×10^{-2}		Yaws and Yang (1992)	?	98
2-methyl-1,1'-biphenyl $C_{13}H_{12}$ [643-58-3]	1.0×10^{-2}		Hilal et al. (2008)	Q	
3-methyl-1,1'-biphenyl $C_{13}H_{12}$ [643-93-6]	1.5×10^{-2}		Hilal et al. (2008)	Q	
4-methyl-1,1'-biphenyl $C_{13}H_{12}$ [644-08-6]	1.6×10^{-2}		Hilal et al. (2008)	Q	
diphenylmethane	1.1		Mackay et al. (2006a)	V	
$C_{13}H_{12}$	1.1		Mackay et al. (1993)	V	
(1,1'-methylenebisbenzene)	4.5×10^{-2}		Meylan and Howard (1991)	V	
[101-81-5]	4.7×10^{-2}		Cabani et al. (1981)	V	
	1.0		Mackay et al. (1992b)	X	146
	2.2×10^{-2}		Hilal et al. (2008)	Q	
	2.1×10^{-2}		Meylan and Howard (1991)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2-diphenylethane	5.9×10^{-2}		Mackay et al. (2006a)	V	
$C_{14}H_{14}$	5.9×10^{-2}		Mackay et al. (1993)	V	
(dibenzyl) [103-29-7]	5.9×10^{-2}		Mackay et al. (1992b)	X	146
(*E*)-stilbene	2.5×10^{-2}		Mackay et al. (2006a)	V	
$C_{14}H_{12}$ (*trans*-1,2-diphenylethene) [103-30-0]	2.5×10^{-2}		Mackay et al. (1992b)	X	146
acenaphthene	7.2×10^{-2}		Ma et al. (2010)	L	143
$C_{12}H_{10}$	7.0×10^{-2}		Ma et al. (2010)	L	144
[83-32-9]	5.5×10^{-2}	6500	Fogg and Sangster (2003)	L	
	4.2×10^{-2}		Mackay and Shiu (1981)	L	
	2.6×10^{-1}		Lee et al. (2012)	M	
	5.4×10^{-2}	6600	Bamford et al. (1999a)	M	
	6.2×10^{-2}		Shiu and Mackay (1997)	M	
	1.1×10^{-1}		Zhang and Pawliszyn (1993)	M	
	1.6×10^{-1}		Fendinger and Glotfelty (1990)	M	
	6.4×10^{-3}		Mackay and Shiu (1981)	M	
	4.1×10^{-2}		Warner et al. (1980)	M	
	6.8×10^{-2}		Mackay et al. (1979)	M	
	8.2×10^{-2}		Mackay et al. (2006a)	V	
	8.2×10^{-2}		Shiu and Ma (2000)	V	
	8.2×10^{-2}		Shiu and Mackay (1997)	V	
	1.2×10^{-2}		Hwang et al. (1992)	V	
	9.5×10^{-2}		Eastcott et al. (1988)	V	
	8.2×10^{-2}		Cabani et al. (1981)	V	
	1.2×10^{-1}		Hine and Mookerjee (1975)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	3.4×10^{-2}	2900	Paasivirta et al. (1999)	T	
	4.1×10^{-2}	2800	Goldstein (1982)	X	122
	5.2×10^{-2}		McCarty (1980)	X	145
	4.0×10^{-2}		Ryan et al. (1988)	C	
	2.2×10^{-1}		Hilal et al. (2008)	Q	
		5500	Kühne et al. (2005)	Q	
	1.1×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
	7.9×10^{-2}		Arbuckle (1983)	Q	
		6600	Kühne et al. (2005)	?	
acenaphthylene	8.2×10^{-2}		Ma et al. (2010)	L	143
$C_{12}H_8$	1.0×10^{-1}		Ma et al. (2010)	L	144
[208-96-8]	9.1×10^{-2}	6700	Fogg and Sangster (2003)	L	
	7.9×10^{-2}	6600	Bamford et al. (1999a)	M	
	8.8×10^{-2}		Fendinger and Glotfelty (1990)	M	
	8.7×10^{-2}		Warner et al. (1980)	M	
	1.2×10^{-1}		Mackay et al. (2006a)	V	
			Shiu and Ma (2000)	V	142
	1.2×10^{-1}		Shiu and Mackay (1997)	V	
	1.2×10^{-1}	5000	Paasivirta et al. (1999)	T	
	8.4×10^{-2}		Ryan et al. (1988)	C	
	1.1×10^{-1}		Hilal et al. (2008)	Q	
		5600	Kühne et al. (2005)	Q	
		6600	Kühne et al. (2005)	?	
o-terphenyl	3.1×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{14}$	8.2×10^{-2}		Zhang et al. (2010)	Q	113, 115
[84-15-1]	7.3×10^{-1}		Zhang et al. (2010)	Q	113, 116
	4.0		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
p-terphenyl			Mackay et al. (2006a)	V	118
$C_{18}H_{14}$	3.1×10^{-1}		Zhang et al. (2010)	Q	113, 114
[92-94-4]	2.4×10^{-1}		Zhang et al. (2010)	Q	113, 115
	1.1		Zhang et al. (2010)	Q	113, 116
	4.0		Zhang et al. (2010)	Q	113, 117
phenanthrene	2.3×10^{-1}		Ma et al. (2010)	L	143
$C_{14}H_{10}$	2.3×10^{-1}		Ma et al. (2010)	L	144
[85-01-8]	2.3×10^{-1}	4200	Fogg and Sangster (2003)	L	
	2.5×10^{-1}		Mackay and Shiu (1981)	L	
	1.8×10^{-1}		Lee et al. (2012)	M	
	2.7×10^{-1}	7700	Odabasi et al. (2006)	M	
	2.3×10^{-1}	6000	Bamford et al. (1999a)	M	
	1.6×10^{-1}	7600	Bamford et al. (1999b)	M	
	3.4×10^{-1}		De Maagd et al. (1998)	M	9
	2.8×10^{-1}		Shiu and Mackay (1997)	M	
	2.1×10^{-1}	3800	Alaee et al. (1996)	M	
	2.5×10^{-1}		Zhang and Pawliszyn (1993)	M	
	4.2×10^{-1}		Fendinger and Glotfelty (1990)	M	
	2.7×10^{-1}		Mackay and Shiu (1981)	M	
	2.5×10^{-1}		Mackay et al. (1979)	M	
	1.8×10^{-1}		Southworth (1979)	M	
	3.1×10^{-1}		Mackay et al. (2006a)	V	
	3.1×10^{-1}		Shiu and Ma (2000)	V	
	3.8×10^{-1}		De Maagd et al. (1998)	V	9
	3.1×10^{-1}		Shiu and Mackay (1997)	V	
	3.2×10^{-2}		Hwang et al. (1992)	V	
	2.8×10^{-1}		Eastcott et al. (1988)	V	
	3.2×10^{-1}		Cabani et al. (1981)	V	
	2.0×10^{-1}		Southworth (1979)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	3.9×10^{-1}		Hine and Mookerjee (1975)	V	
	9.3×10^{-2}	4900	Paasivirta et al. (1999)	T	
	9.3×10^{-2}	4700	Goldstein (1982)	X	122
	7.6×10^{-2}		McCarty (1980)	X	145
	2.5×10^{-1}		Ryan et al. (1988)	C	
	2.6×10^{-1}		Hilal et al. (2008)	Q	
		4800	Kühne et al. (2005)	Q	
	4.8×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
	2.6×10^{-1}		Arbuckle (1983)	Q	
		5300	Kühne et al. (2005)	?	
	2.7×10^{-1}		Abraham et al. (1990)	?	
1-methylphenanthrene	2.0×10^{-1}	4600	Bamford et al. (1999a)	M	
$C_{15}H_{12}$	3.3×10^{-1}		Hilal et al. (2008)	Q	
[832-69-9]		5200	Kühne et al. (2005)	Q	
		4600	Kühne et al. (2005)	?	
9,10-dihydrophenanthrene	1.2×10^{-1}	7500	Reza and Trejo (2004)	M	
$C_{14}H_{12}$	4.1×10^{-2}		Hilal et al. (2008)	Q	
[776-35-2]		5400	Kühne et al. (2005)	Q	
		7500	Kühne et al. (2005)	?	
2,3-benzindene	1.1×10^{-1}		Ma et al. (2010)	L	143
$C_{13}H_{10}$	1.1×10^{-1}		Ma et al. (2010)	L	144
(fluorene)	1.1×10^{-1}	6000	Fogg and Sangster (2003)	L	
[86-73-7]	1.2×10^{-1}		Mackay and Shiu (1981)	L	
	3.2×10^{-1}		Lee et al. (2012)	M	
	1.0×10^{-1}	6200	Bamford et al. (1999a)	M	
	7.9×10^{-2}	7400	Bamford et al. (1999b)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.5×10^{-1}		De Maagd et al. (1998)	M	9
	1.0×10^{-1}		Shiu and Mackay (1997)	M	
	1.6×10^{-1}		Fendinger and Glotfelty (1990)	M	
	9.9×10^{-2}		Mackay and Shiu (1981)	M	
	8.4×10^{-2}		Warner et al. (1980)	M	
	1.3×10^{-1}		Mackay et al. (2006a)	V	
	1.3×10^{-1}		Shiu and Ma (2000)	V	
	1.7×10^{-1}		De Maagd et al. (1998)	V	9
	1.3×10^{-1}		Shiu and Mackay (1997)	V	
	1.5×10^{-2}		Hwang et al. (1992)	V	
	1.1×10^{-1}		Eastcott et al. (1988)	V	
	1.3×10^{-1}		Cabani et al. (1981)	V	
	2.3×10^{-2}	3700	Paasivirta et al. (1999)	T	
	8.4×10^{-2}	3000	Goldstein (1982)	X	122
	4.7×10^{-2}		McCarty (1980)	X	145
	8.4×10^{-2}		Ryan et al. (1988)	C	
	9.2×10^{-2}		Hilal et al. (2008)	Q	
		5100	Kühne et al. (2005)	Q	
	2.0×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		5400	Kühne et al. (2005)	?	
	1.2×10^{-1}		Abraham et al. (1990)	?	
benzo[*a*]fluorene	3.7×10^{-1}	4400	Bamford et al. (1999a)	M	
$C_{17}H_{12}$			Shiu and Ma (2000)	V	142
[238-84-6]		6300	Kühne et al. (2005)	Q	
		4400	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
anthracene	2.0×10^{-1}		Ma et al. (2010)	L	143
$C_{14}H_{10}$	2.0×10^{-1}		Ma et al. (2010)	L	144
[120-12-7]	1.7×10^{-1}	5700	Fogg and Sangster (2003)	L	
	1.7×10^{-1}		Mackay and Shiu (1981)	L	
	1.6×10^{-1}		Lee et al. (2012)	M	
	2.3×10^{-1}	5600	Reza and Trejo (2004)	M	
	1.8×10^{-1}	6000	Bamford et al. (1999a)	M	
	1.5×10^{-1}	6500	Bamford et al. (1999b)	M	
	1.3×10^{-1}		Shiu and Mackay (1997)	M	
	2.0×10^{-1}	3500	Alaee et al. (1996)	M	
	1.1×10^{-1}		Zhang and Pawliszyn (1993)	M	
	5.1×10^{-1}		Fendinger and Glotfelty (1990)	M	
	2.7×10^{-1}		Webster et al. (1985)	M	
	1.4×10^{-2}		Mackay and Shiu (1981)	M	
	1.5×10^{-1}		Southworth (1979)	M	
	2.5×10^{-1}		Mackay et al. (2006a)	V	
	2.5×10^{-1}		Shiu and Ma (2000)	V	
	2.5×10^{-1}		Shiu and Mackay (1997)	V	
	3.0×10^{-2}		Hwang et al. (1992)	V	
	6.1×10^{-1}		Eastcott et al. (1988)	V	
	5.1×10^{-1}		Cabani et al. (1981)	V	
	3.4×10^{-2}		Southworth (1979)	V	
	5.6×10^{-1}		Hine and Mookerjee (1975)	V	
	4.6×10^{-3}	3100	Paasivirta et al. (1999)	T	
	3.5×10^{-1}	4000	Goldstein (1982)	X	122
	7.0×10^{-3}		McCarty (1980)	X	145
	3.7×10^{-2}		Ryan et al. (1988)	C	
	1.0×10^{-1}		Smith et al. (1981a)	C	
	3.3×10^{-1}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		6400	Kühne et al. (2005)	Q	
	9.0×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
		5100	Kühne et al. (2005)	?	
9-methylanthracene	6.1×10^{-1}		Mackay et al. (2006a)	V	
$C_{15}H_{12}$	9.4×10^{-3}		Eastcott et al. (1988)	V	
[779-02-2]	4.2×10^{-1}		Hilal et al. (2008)	Q	
9,10-dimethylanthracene $C_{16}H_{14}$ [781-43-1]	1.8		Mackay et al. (2006a)	V	
pyrene	7.5×10^{-1}		Ma et al. (2010)	L	143
$C_{16}H_{10}$	7.5×10^{-1}		Ma et al. (2010)	L	144
[129-00-0]	6.6×10^{-1}	4800	Fogg and Sangster (2003)	L	
	8.3×10^{-1}		Mackay and Shiu (1981)	L	
	4.1×10^{-1}		Lee et al. (2012)	M	
	8.5×10^{-1}	6300	Reza and Trejo (2004)	M	
	2.0		Altschuh et al. (1999)	M	
	5.9×10^{-1}	5500	Bamford et al. (1999a)	M	
	5.0×10^{-1}		De Maagd et al. (1998)	M	9
	1.1		De Maagd et al. (1998)	M	9
	8.3×10^{-1}		Shiu and Mackay (1997)	M	
	9.1×10^{-1}		Mackay and Shiu (1981)	M	
	5.3×10^{-1}		Southworth (1979)	M	
	1.1		Mackay et al. (2006a)	V	
	1.1		Shiu and Ma (2000)	V	
	1.4		De Maagd et al. (1998)	V	9
	1.1		Shiu and Mackay (1997)	V	
	3.6×10^{-2}		Hwang et al. (1992)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.1		Eastcott et al. (1988)	V	
	7.6×10^{-1}		Cabani et al. (1981)	V	
	9.4×10^{-1}		Southworth (1979)	V	
	1.4×10^{-1}	5700	Paasivirta et al. (1999)	T	
	1.4×10^{-3}		Ryan et al. (1988)	C	
	7.6		Petrasek et al. (1983)	C	
	2.3×10^{-1}		Hilal et al. (2008)	Q	
		5200	Kühne et al. (2005)	Q	
	5.4×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		5500	Kühne et al. (2005)	?	
	9.0×10^{-1}		Abraham et al. (1990)	?	
chrysene	2.3		Ma et al. (2010)	L	143
$C_{18}H_{12}$	2.7		Ma et al. (2010)	L	144
[218-01-9]	2.1		Lee et al. (2012)	M	
	1.9	13000	Bamford et al. (1999a)	M	
	9.4		Zhang and Pawliszyn (1993)	M	
	1.5×10^{1}		Mackay et al. (2006a)	V	
	1.5×10^{1}		Shiu and Ma (2000)	V	
	2.2		Eastcott et al. (1988)	V	
	2.0×10^{-1}	6400	Paasivirta et al. (1999)	T	
	4.6×10^{-3}		Ryan et al. (1988)	C	
	6.6		Petrasek et al. (1983)	C	
	3.6		Hilal et al. (2008)	Q	
naphthacene	3.6×10^{2}		Mackay et al. (2006a)	V	
$C_{18}H_{12}$	2.5×10^{2}		Mackay et al. (1992b)	X	146
(2,3-benzanthracene)	4.2		Ferreira (2001)	Q	9
[92-24-0]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
triphenylene			Mackay et al. (2006a)	V	118
$C_{18}H_{12}$	1.0×10^{2}		Mackay et al. (1992b)	X	146
(benzo[*l*]phenanthrene)	2.9		Hilal et al. (2008)	Q	
[217-59-4]	3.1		Ferreira (2001)	Q	9
benzo[*jk*]fluorene	6.9×10^{-1}		Ma et al. (2010)	L	143
$C_{16}H_{10}$	7.5×10^{-1}		Ma et al. (2010)	L	144
(fluoranthene)	5.4×10^{-1}	4800	Fogg and Sangster (2003)	L	
[206-44-0]	4.5×10^{-3}		Mackay and Shiu (1981)	L	
	3.4×10^{-1}		Lee et al. (2012)	M	
	5.1×10^{-1}	4900	Bamford et al. (1999a)	M	
	9.1×10^{-1}		De Maagd et al. (1998)	M	9
	1.1	6900	ten Hulscher et al. (1992)	M	
	1.9	8700	Abou-Naccoul et al. (2014)	V	
	1.0		Mackay et al. (2006a)	V	
	1.0		Shiu and Ma (2000)	V	
	1.4		De Maagd et al. (1998)	V	9
	1.0		Shiu and Mackay (1997)	V	
	2.1		McLachlan et al. (1990)	V	148
	1.1		Eastcott et al. (1988)	V	
	4.0×10^{-1}	5400	Paasivirta et al. (1999)	T	
	1.0		Ryan et al. (1988)	C	
	9.9×10^{-1}		Petrasek et al. (1983)	C	
	4.4×10^{-1}		Hilal et al. (2008)	Q	
		5100	Kühne et al. (2005)	Q	
		5000	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
benz[*a*]anthracene	1.4		Ma et al. (2010)	L	143
$C_{18}H_{12}$	1.6		Ma et al. (2010)	L	144
[56-55-3]	9.0×10^{-1}	7900	Fogg and Sangster (2003)	L	
	1.7		Lee et al. (2012)	M	
	8.2×10^{-1}	8300	Bamford et al. (1999a)	M	
	9.9		Zhang and Pawliszyn (1993)	M	
	1.2		Southworth (1979)	M	
	1.7		Mackay et al. (2006a)	V	
			Shiu and Ma (2000)	V	142
	2.4		Eastcott et al. (1988)	V	
	4.0		Southworth (1979)	V	
	1.5×10^{-1}	6100	Paasivirta et al. (1999)	T	
	9.8		Ryan et al. (1988)	C	
	8.2×10^{1}		Petrasek et al. (1983)	C	
	4.4		Hilal et al. (2008)	Q	
		6100	Kühne et al. (2005)	Q	
	5.6		Ferreira (2001)	Q	9
		8300	Kühne et al. (2005)	?	
7,12-dimethyl-benz[*a*]anthracene $C_{20}H_{16}$ [57-97-6]	5.1×10^{3}		Mackay et al. (2006a)	V	
9,10-dimethyl-benz[*a*]anthracene $C_{20}H_{16}$ [58429-99-5]			Mackay et al. (2006a)	V	118
20-methylcholanthrene $C_{21}H_{16}$ [56-49-5]			Mackay et al. (2006a)	V	118

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
benzo[*b*]fluoranthene	1.5×10^{1}		Ma et al. (2010)	L	143
$C_{20}H_{12}$	1.5×10^{1}		Ma et al. (2010)	L	144
[205-99-2]	1.5×10^{1}	5400	ten Hulscher et al. (1992)	M	
	1.4×10^{1}	7500	Paasivirta et al. (1999)	T	
	5.6		Hilal et al. (2008)	Q	
		4700	Kühne et al. (2005)	Q	
		5400	Kühne et al. (2005)	?	
benzo[*k*]fluoranthene	1.7×10^{1}		Ma et al. (2010)	L	143
$C_{20}H_{12}$	1.8×10^{1}		Ma et al. (2010)	L	144
[207-08-9]	1.0×10^{1}		Lee et al. (2012)	M	
	1.7×10^{1}	5900	ten Hulscher et al. (1992)	M	
			Mackay et al. (2006a)	V	118
	8.3×10^{1}		De Maagd et al. (1998)	V	9
	6.2×10^{1}		Shiu and Mackay (1997)	V	
	1.5	6900	Paasivirta et al. (1999)	T	
	9.6×10^{-3}	1900	Goldstein (1982)	X	122
	8.0		Hilal et al. (2008)	Q	
		6300	Kühne et al. (2005)	Q	
		5800	Kühne et al. (2005)	?	
benzo[*a*]pyrene	2.0×10^{1}		Ma et al. (2010)	L	143
$C_{20}H_{12}$	1.3×10^{1}		Ma et al. (2010)	L	144
(benz[*a*]pyrene)	6.2		Lee et al. (2012)	M	
[50-32-8]	1.3×10^{1}		Altschuh et al. (1999)	M	
	2.2×10^{1}	4700	ten Hulscher et al. (1992)	M	
	2.2×10^{1}		Mackay et al. (2006a)	V	
			Shiu and Ma (2000)	V	142
	2.9×10^{1}		De Maagd et al. (1998)	V	9
	2.2×10^{1}		Shiu and Mackay (1997)	V	
	1.3×10^{2}		McLachlan et al. (1990)	V	148

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.8×10^{1}		Eastcott et al. (1988)	V	
	1.9×10^{1}		Southworth (1979)	V	
	8.2×10^{-1}	8200	Paasivirta et al. (1999)	T	
	1.6×10^{-3}	110	Goldstein (1982)	X	122
	8.2×10^{-4}		Ryan et al. (1988)	C	
	2.9		Hilal et al. (2008)	Q	
		4900	Kühne et al. (2005)	Q	
		4700	Kühne et al. (2005)	?	
benzo[*e*]pyrene	2.1×10^{1}		Mackay et al. (2006a)	V	
$C_{20}H_{12}$			Shiu and Ma (2000)	V	142
[192-97-2]	2.7	8300	Paasivirta et al. (1999)	T	
	1.5×10^{1}		Ferreira (2001)	Q	9
perylene			Mackay et al. (2006a)	V	118
$C_{20}H_{12}$	2.3		Riederer (1990)	V	
(dibenz[*de*,*kl*]anthracene)	2.5×10^{-1}	6300	Paasivirta et al. (1999)	T	
[198-55-0]	3.3×10^{2}		Mackay et al. (1992b)	X	146
	2.3		Hilal et al. (2008)	Q	
	1.1×10^{1}		Ferreira (2001)	Q	9
dibenz[*a*, *h*]anthracene	1.8×10^{2}	12000	Abou-Naccoul et al. (2014)	V	
$C_{22}H_{14}$	5.8×10^{3}		Mackay et al. (2006a)	V	
[53-70-3]	1.3×10^{2}		Eastcott et al. (1988)	V	
	1.2	7800	Paasivirta et al. (1999)	T	
	1.2×10^{1}		Hilal et al. (2008)	Q	
	8.3×10^{1}		Ferreira (2001)	Q	9

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
indeno[1,2,3-*cd*]pyrene	2.9×10^{1}		Ma et al. (2010)	L	143
$C_{22}H_{12}$	2.0×10^{1}		Ma et al. (2010)	L	144
[193-39-5]	2.8×10^{1}	3600	ten Hulscher et al. (1992)	M	
	2.5	7400	Paasivirta et al. (1999)	T	
	5.0		Hilal et al. (2008)	Q	
		5100	Kühne et al. (2005)	Q	
		3600	Kühne et al. (2005)	?	
benzo[*ghi*]perylene	3.0×10^{1}		Ma et al. (2010)	L	143
$C_{22}H_{12}$	2.4×10^{1}		Ma et al. (2010)	L	144
[191-24-2]	3.0×10^{1}	3200	ten Hulscher et al. (1992)	M	
	1.8×10^{1}		De Maagd et al. (1998)	V	9
	1.3×10^{1}		Shiu and Mackay (1997)	V	
	6.9×10^{1}		Eastcott et al. (1988)	V	
	4.0	9200	Paasivirta et al. (1999)	T	
	1.3×10^{1}		Mackay et al. (1992b)	X	146
	2.6		Hilal et al. (2008)	Q	
		3700	Kühne et al. (2005)	Q	
		3300	Kühne et al. (2005)	?	
coronene			Mackay et al. (2006a)	V	118
$C_{24}H_{12}$					
[191-07-1]					
benzo[*b*]triphenylene	1.9×10^{1}	8600	Abou-Naccoul et al. (2014)	V	
$C_{22}H_{14}$	4.4×10^{3}		Mackay et al. (2006a)	V	
(dibenz[*a*, *c*]anthracene)	1.9×10^{1}		Hilal et al. (2008)	Q	
[215-58-7]	1.4×10^{2}		Ferreira (2001)	Q	9
dibenz[*a*, *j*]anthracene	8.6×10^{1}		Hilal et al. (2008)	Q	
$C_{22}H_{14}$	8.3×10^{1}		Ferreira (2001)	Q	9
[224-41-9]					

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
picene	6.2		Hilal et al. (2008)	Q	
$C_{22}H_{14}$	7.7×10^{1}		Ferreira (2001)	Q	9
[213-46-7]					
1,2-benzfluoranthene	6.9		Hilal et al. (2008)	Q	
$C_{20}H_{12}$					
[203-33-8]					
1,2,3,4-tetrahydronaphthalene	5.1×10^{-3}	5400	Ashworth et al. (1988)	M	109
$C_{10}H_{12}$	2.1×10^{-3}		Mackay et al. (1993)	V	
(tetralin)	1.2×10^{-2}		Hilal et al. (2008)	Q	
[119-64-2]		4900	Kühne et al. (2005)	Q	
		5300	Kühne et al. (2005)	?	
indane	4.3×10^{-3}		Mackay et al. (2006a)	V	
C_9H_{10}	4.7×10^{-3}		Abraham et al. (1994)	V	
[496-11-7]	1.2×10^{-2}		Hilal et al. (2008)	Q	
	5.8×10^{-3}		Nirmalakhandan et al. (1997)	Q	
2,3-dihydro-1,1,3,3,5-pentamethyl-1H-indene	7.5×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_{20}$	1.9×10^{-3}		Zhang et al. (2010)	Q	113, 115
[81-03-8]	2.1×10^{-3}		Zhang et al. (2010)	Q	113, 116
	3.9×10^{-4}		Zhang et al. (2010)	Q	113, 117
1,2,3,4-tetrahydro-1,1,3,4,4,6-hexamethylnaphthalene	4.2×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_{24}$	1.3×10^{-3}		Zhang et al. (2010)	Q	113, 115
[2084-69-7]	3.2×10^{-3}		Zhang et al. (2010)	Q	113, 116
	2.7×10^{-4}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
[2.2]paracyclophane	2.9×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_{16}$	8.4×10^{-2}		Zhang et al. (2010)	Q	113, 115
[1633-22-3]	9.5×10^{-1}		Zhang et al. (2010)	Q	113, 116
	4.3×10^{-2}		Zhang et al. (2010)	Q	113, 117
1,2,3,4-tetrahydro-5-(1-phenylethyl)-naphthalene	1.6×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{20}$	1.0×10^{-1}		Zhang et al. (2010)	Q	113, 115
[60466-61-7]	2.0×10^{-1}		Zhang et al. (2010)	Q	113, 116
	2.9×10^{-2}		Zhang et al. (2010)	Q	113, 117

Organic species with oxygen (O)

Alcohols (ROH)

methanol	2.0	5600	Sander et al. (2011)	L	149
CH_3OH	2.1	5300	Warneck (2006)	L	
[67-56-1]	2.2	5200	Sander et al. (2006)	L	
	1.7	4500	Fogg and Sangster (2003)	L	
	2.1		Vitenberg and Dobryakov (2008)	M	
	7.8×10^{-1}		Helburn et al. (2008)	M	
	2.6	5900	Zhu et al. (2000)	M	
	2.0	5500	Gupta et al. (2000)	M	
	1.6		Altschuh et al. (1999)	M	
	2.2		Li and Carr (1993)	M	
	2.2	5200	Snider and Dawson (1985)	M	
	2.2		Rytting et al. (1978)	M	
	2.3		Burnett (1963)	M	
	2.2	5700	Glew and Moelwyn-Hughes (1953)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.3		Butler et al. (1935)	M	150
	7.6×10^{-2}		Abraham and Acree Jr. (2007)	V	
	1.9		Hwang et al. (1992)	V	
	2.8		Riederer (1990)	V	
		5400	Abraham (1984)	V	
	1.6	5600	Schaffer and Daubert (1969)	X	122
	2.2		Gaffney and Senum (1984)	X	151
	2.1		Timmermans (1960)	X	152
	2.0		Hilal et al. (2008)	Q	
		6200	Kühne et al. (2005)	Q	
	1.5		Yaws et al. (1997)	Q	
	1.8		Nirmalakhandan and Speece (1988a)	Q	
	2.4		Taft et al. (1985)	Q	
		5000	Kühne et al. (2005)	?	
	1.9		Yaws (1999)	?	
	1.4		Yaws and Yang (1992)	?	98
	2.2		Abraham et al. (1990)	?	
ethanol	1.9	6400	Sander et al. (2011)	L	
C_2H_5OH	1.9	6300	Warneck (2006)	L	
[64-17-5]	2.0	6600	Sander et al. (2006)	L	
	1.7	5700	Fogg and Sangster (2003)	L	
	1.8		Vitenberg and Dobryakov (2008)	M	
	1.9		Straver and de Loos (2005)	M	
			Cheng et al. (2004)	M	128
	1.1		Ueberfeld et al. (2001)	M	
	1.8	5800	Gupta et al. (2000)	M	
	1.3		Altschuh et al. (1999)	M	
	1.9		Li and Carr (1993)	M	
	1.9		Park et al. (1987)	M	
	1.9	6600	Snider and Dawson (1985)	M	
	1.9		Rytting et al. (1978)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.3		Rohrschneider (1973)	M	
	2.1		Burnett (1963)	M	
	1.9		Butler et al. (1935)	M	
	4.7×10^{-2}		Abraham and Acree Jr. (2007)	V	
	1.3		Hwang et al. (1992)	V	
		6300	Abraham (1984)	V	
	1.5	6400	Schaffer and Daubert (1969)	X	122
	2.0		Gaffney and Senum (1984)	X	151
	1.6		Timmermans (1960)	X	152
	1.1		Hilal et al. (2008)	Q	
		6500	Kühne et al. (2005)	Q	
	1.3		Yaws et al. (1997)	Q	
	1.6		Nirmalakhandan and Speece (1988a)	Q	
		6400	Kühne et al. (2005)	?	
	1.2		Yaws and Yang (1992)	?	98
	1.9		Abraham et al. (1990)	?	
1-propanol	1.4	6900	Sander et al. (2011)	L	153
C_3H_7OH	1.3	7500	Sander et al. (2006)	L	
[71-23-8]	1.4	6200	Fogg and Sangster (2003)	L	
	1.5		Vitenberg and Dobryakov (2008)	M	
	1.5		Straver and de Loos (2005)	M	
	1.2	6200	Gupta et al. (2000)	M	
	2.7		Altschuh et al. (1999)	M	
	1.4		Li and Carr (1993)	M	
	1.3	7500	Snider and Dawson (1985)	M	
	1.5		Rytting et al. (1978)	M	
	1.6		Burnett (1963)	M	
	1.4		Butler et al. (1935)	M	150
	3.1×10^{-2}		Abraham and Acree Jr. (2007)	V	
		6900	Abraham (1984)	V	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	7.0×10^{-1}		Hilal et al. (2008)	Q	
		6900	Kühne et al. (2005)	Q	
	1.2		Yaws et al. (1997)	Q	
	1.2		Nirmalakhandan and Speece (1988a)	Q	
		7500	Kühne et al. (2005)	?	
	1.1		Yaws and Yang (1992)	?	98
	1.5		Abraham et al. (1990)	?	
2-propanol	1.3	7500	Sander et al. (2011)	L	
C_3H_7OH	1.3	7500	Sander et al. (2006)	L	
(isopropanol)	1.2	6200	Fogg and Sangster (2003)	L	
[67-63-0]	1.1	8400	Hiatt (2013)	M	
	6.8×10^{-1}		Helburn et al. (2008)	M	
			Cheng et al. (2004)	M	128
			Cheng et al. (2003)	M	128
	1.8×10^{-1}		Ayuttaya et al. (2001)	M	134
	1.0×10^{-3}		Ayuttaya et al. (2001)	M	135
	5.7×10^{-1}		Ayuttaya et al. (2001)	M	136
	1.1		Kim et al. (2000)	M	
	9.2×10^{-1}		Altschuh et al. (1999)	M	
	7.9×10^{-1}	5700	Kolb et al. (1992)	M	108
	1.2	7400	Snider and Dawson (1985)	M	
	1.2		Rytting et al. (1978)	M	
	1.2		Butler et al. (1935)	M	
	1.7		Hine and Weimar (1965)	R	
	4.3×10^{-1}		Hilal et al. (2008)	Q	
		6900	Kühne et al. (2005)	Q	
	8.9×10^{-1}		Yaws et al. (1997)	Q	
	1.1		Nirmalakhandan and Speece (1988a)	Q	
	1.3		Taft et al. (1985)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		6000	Kühne et al. (2005)	?	
	8.8×10^{-1}		Yaws and Yang (1992)	?	98
	1.2		Abraham et al. (1990)	?	
1-butanol	1.2	7500	Sander et al. (2011)	L	
C_4H_9OH	1.3	7200	Sander et al. (2006)	L	
[71-36-3]	1.1	6300	Fogg and Sangster (2003)	L	
	1.0	6800	Shunthirasingham et al. (2013)	M	
	1.3		Vitenberg and Dobryakov (2008)	M	
	1.1	6000	Lei et al. (2007)	M	154
	1.1		Kim et al. (2000)	M	
	8.2×10^{-1}	6200	Gupta et al. (2000)	M	
	1.2		Altschuh et al. (1999)	M	
	1.4×10^{-1}		Chaintreau et al. (1995)	M	
	1.1		Li and Carr (1993)	M	
	6.1×10^{-1}	5600	Kolb et al. (1992)	M	108
	1.2	7200	Snider and Dawson (1985)	M	
	5.3×10^{-1}		Friant and Suffet (1979)	M	24
	1.2		Rytting et al. (1978)	M	
	1.1		Amoore and Buttery (1978)	M	
	1.1		Buttery et al. (1969)	M	
	1.4		Burnett (1963)	M	
	1.2		Butler et al. (1935)	M	150
	1.1		Mackay et al. (2006c)	V	
	7.3×10^{-1}		Mackay et al. (1995)	V	
	8.3×10^{-1}		Hwang et al. (1992)	V	
		7400	Abraham (1984)	V	
	1.2		Amoore and Buttery (1978)	V	
	1.2		Butler et al. (1935)	V	
	5.6×10^{-1}		Hilal et al. (2008)	Q	
		7200	Kühne et al. (2005)	Q	
	1.1		Yaws et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	9.9×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		6900	Kühne et al. (2005)	?	
	1.2		Abraham et al. (1990)	?	
	1.8		Mackay and Yeun (1983)	?	
2-butanol	1.1	7300	Sander et al. (2011)	L	
$C_4H_{10}O$	1.1	7300	Sander et al. (2006)	L	
(*sec*-butanol)	1.0	7400	Fogg and Sangster (2003)	L	
[78-92-2]	1.1	7300	Snider and Dawson (1985)	M	
	9.8×10^{-1}		Rytting et al. (1978)	M	
	9.6×10^{-1}		Butler et al. (1935)	M	
	1.1		Mackay et al. (2006c)	V	
	1.1		Mackay et al. (1995)	V	
	9.1×10^{-1}	7500	Cabani et al. (1975b)	T	
	3.9×10^{-1}		Hilal et al. (2008)	Q	
		7200	Kühne et al. (2005)	Q	
	1.2		Yaws et al. (1997)	Q	
	9.0×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		7100	Kühne et al. (2005)	?	
	9.9×10^{-1}		Abraham et al. (1990)	?	
2-methyl-1-propanol	1.0		Sander et al. (2011)	L	
$C_4H_{10}O$	1.0		Sander et al. (2006)	L	
(isobutanol)	2.2×10^{-1}		Kim and Kim (2014)	M	
[78-83-1]			Cheng et al. (2004)	M	128
	1.1		Altschuh et al. (1999)	M	
	3.7×10^{-1}		Shiu and Mackay (1997)	M	
	1.0		Snider and Dawson (1985)	M	
	8.0×10^{-1}		Rytting et al. (1978)	M	
	8.3×10^{-1}		Butler et al. (1935)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	7.3×10^{-1}		Mackay et al. (2006c)	V	
	7.3×10^{-1}		Shiu and Mackay (1997)	V	
	7.3×10^{-1}		Mackay et al. (1995)	V	
	5.1×10^{-1}		Hilal et al. (2008)	Q	
		7200	Kühne et al. (2005)	Q	
	8.3×10^{-1}		Yaws et al. (1997)	Q	
	8.4×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		8100	Kühne et al. (2005)	?	
	8.0×10^{-1}		Abraham et al. (1990)	?	
	9.6×10^{-1}		Mackay and Yeun (1983)	?	
2-methyl-2-propanol	6.9×10^{-1}	8300	Sander et al. (2011)	L	
$C_4H_{10}O$	6.9×10^{-1}	8300	Sander et al. (2006)	L	
(*tert*-butanol)	1.4	7900	Hiatt (2013)	M	
[75-65-0]	1.1		Altschuh et al. (1999)	M	
			Koga (1995)	M	155
	6.8×10^{-1}	8300	Snider and Dawson (1985)	M	
	7.6×10^{-1}		Rytting et al. (1978)	M	
	8.3×10^{-1}		Butler et al. (1935)	M	
	8.0×10^{-1}	6500	Pankow et al. (1996)	C	
	2.2×10^{-1}		Hilal et al. (2008)	Q	
		7200	Kühne et al. (2005)	Q	
	7.3×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	3.0×10^{-1}		Yaws et al. (1997)	Q	
	7.0×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		8300	Kühne et al. (2005)	?	
	7.7×10^{-1}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-pentanol	8.1×10^{-1}	7100	Shunthirasingham et al. (2013)	M	
$C_5H_{11}OH$	7.5×10^{-1}	6100	Lei et al. (2007)	M	154
(amylalcohol)	9.5×10^{-1}	6900	Gupta et al. (2000)	M	
[71-41-0]	8.4×10^{-1}		Li and Carr (1993)	M	
	9.0×10^{-1}		Rytting et al. (1978)	M	
	7.8×10^{-1}		Butler et al. (1935)	M	
	8.3×10^{-1}		Mackay et al. (2006c)	V	
	8.3×10^{-1}		Mackay et al. (1995)	V	
		7800	Abraham (1984)	V	
	7.8×10^{-1}		Amoore and Buttery (1978)	V	
	7.6×10^{-1}		Butler et al. (1935)	V	
	4.5×10^{-1}		Hilal et al. (2008)	Q	
		7600	Kühne et al. (2005)	Q	
	7.7×10^{-1}		Yaws et al. (1997)	Q	
	7.9×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		7700	Kühne et al. (2005)	?	
	8.1×10^{-1}		Yaws and Yang (1992)	?	98
	9.0×10^{-1}		Abraham et al. (1990)	?	
	9.6×10^{-1}		Mackay and Yeun (1983)	?	
2-pentanol	6.7×10^{-1}		Butler et al. (1935)	M	
$C_5H_{12}O$	6.6×10^{-1}		Mackay et al. (2006c)	V	
(*sec*-pentanol)	6.6×10^{-1}		Mackay et al. (1995)	V	
[6032-29-7]	3.1×10^{-1}		Hilal et al. (2008)	Q	
		7600	Kühne et al. (2005)	Q	
	6.5×10^{-1}		Yaws et al. (1997)	Q	
	7.2×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		7900	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	6.7×10^{-1}		Abraham et al. (1990)	?	
3-pentanol	6.3×10^{-1}	7900	Cabani et al. (1975b)	T	
$C_5H_{12}O$	3.2×10^{-1}		Hilal et al. (2008)	Q	
[584-02-1]		7600	Kühne et al. (2005)	Q	
	7.7×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	5.2×10^{-1}		Yaws et al. (1997)	Q	
		7500	Kühne et al. (2005)	?	
	6.2×10^{-1}		Abraham et al. (1990)	?	
2-methyl-1-butanol	7.0×10^{-1}		Butler et al. (1935)	M	
$C_5H_{12}O$	3.9×10^{-1}		Hilal et al. (2008)	Q	
(isopentanol)		7600	Kühne et al. (2005)	Q	
[137-32-6]	8.3×10^{-1}		Yaws et al. (1997)	Q	
	6.9×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		6800	Kühne et al. (2005)	?	
	7.0×10^{-1}		Abraham et al. (1990)	?	
(S)-2-methyl-1-butanol $C_5H_{12}O$ [1565-80-6]	3.9×10^{-1}		Hilal et al. (2008)	Q	
3-methyl-1-butanol	4.6×10^{-1}		Hilal et al. (2008)	Q	
$C_5H_{12}O$		7600	Kühne et al. (2005)	Q	
[123-51-3]	6.9×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	7.4×10^{-1}		Yaws et al. (1997)	Q	
		8200	Kühne et al. (2005)	?	
	7.0×10^{-1}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methyl-2-butanol	7.1×10^{-1}		Butler et al. (1935)	M	
$C_5H_{12}O$	2.7×10^{-1}		Hilal et al. (2008)	Q	
(*tert*-pentanol)		7600	Kühne et al. (2005)	Q	
[75-85-4]	6.1×10^{-1}		Yaws et al. (1997)	Q	
	6.0×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		7200	Kühne et al. (2005)	?	
	7.2×10^{-1}		Abraham et al. (1990)	?	
3-methyl-2-butanol	3.1×10^{-1}		Hilal et al. (2008)	Q	
$C_5H_{12}O$		7600	Kühne et al. (2005)	Q	
[598-75-4]	5.4×10^{-1}		Yaws et al. (1997)	Q	
		7500	Kühne et al. (2005)	?	
2,2-dimethyl-1-propanol	3.1×10^{-1}		Hilal et al. (2008)	Q	
$C_5H_{12}O$		7600	Kühne et al. (2005)	Q	
[75-84-3]	4.9×10^{-1}		Saxena and Hildemann (1996)	E	156
		7900	Kühne et al. (2005)	?	
1-hexanol	5.7×10^{-1}	7300	Shunthirasingham et al. (2013)	M	
$C_6H_{14}O$	5.1×10^{-1}	6100	Lei et al. (2007)	M	154
[111-27-3]	3.9×10^{-1}	5800	Gupta et al. (2000)	M	
	9.8×10^{-1}		Altschuh et al. (1999)	M	
	6.4×10^{-1}		Li and Carr (1993)	M	
	6.9×10^{-1}		Rytting et al. (1978)	M	
	5.8×10^{-1}		Buttery et al. (1969)	M	
	5.3×10^{-1}		Mackay et al. (2006c)	V	
	5.3×10^{-1}		Mackay et al. (1995)	V	
	7.6×10^{-1}		Hwang et al. (1992)	V	
		8200	Abraham (1984)	V	
	6.4×10^{-1}		Hine and Mookerjee (1975)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	6.4×10^{-1}		Butler et al. (1935)	V	
	3.7×10^{-1}		Hilal et al. (2008)	Q	
		7900	Kühne et al. (2005)	Q	
	4.7×10^{-1}		Yaws et al. (1997)	Q	
	6.2×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		8400	Kühne et al. (2005)	?	
	5.3×10^{-1}		Yaws and Yang (1992)	?	98
	6.9×10^{-1}		Abraham et al. (1990)	?	
2-hexanol	2.5×10^{-1}		Hilal et al. (2008)	Q	
$C_6H_{14}O$	4.2×10^{-1}		Yaws et al. (1997)	Q	
[626-93-7]					
3-hexanol	2.3×10^{-1}		Meylan and Howard (1991)	V	
$C_6H_{14}O$	2.0×10^{-1}		Hine and Mookerjee (1975)	V	
[623-37-0]	3.9×10^{-1}	8400	Cabani et al. (1975b)	T	
	2.8×10^{-1}		Hilal et al. (2008)	Q	
	4.1×10^{-1}		Yaws et al. (1997)	Q	
	5.6×10^{-1}		Meylan and Howard (1991)	Q	
	6.0×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
	3.9×10^{-1}		Abraham et al. (1990)	?	
2-methyl-1-pentanol	4.4×10^{-1}		Hilal et al. (2008)	Q	
$C_6H_{14}O$	3.1×10^{-1}		Yaws et al. (1997)	Q	
[105-30-6]					
3-methyl-1-pentanol	3.8×10^{-1}		Hilal et al. (2008)	Q	
$C_6H_{14}O$					
[589-35-5]					

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methyl-2-pentanol	3.1×10^{-1}		Hine and Mookerjee (1975)	V	
$C_6H_{14}O$	3.2×10^{-1}		Hilal et al. (2008)	Q	
[590-36-3]	5.0×10^{-1}		Yaws et al. (1997)	Q	
	4.7×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
	3.1×10^{-1}		Abraham et al. (1990)	?	
3-methyl-2-pentanol	2.8×10^{-1}		Yaws et al. (1997)	Q	
$C_6H_{14}O$					
[565-60-6]					
4-methyl-2-pentanol	2.1×10^{-1}		Meylan and Howard (1991)	V	
$C_6H_{14}O$	2.2×10^{-1}		Hine and Mookerjee (1975)	V	
[108-11-2]	2.6×10^{-1}		Hilal et al. (2008)	Q	
		7900	Kühne et al. (2005)	Q	
	1.9×10^{-1}		Yaws et al. (1997)	Q	
	5.6×10^{-1}		Meylan and Howard (1991)	Q	
	4.8×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		8700	Kühne et al. (2005)	?	
	2.2×10^{-1}		Abraham et al. (1990)	?	
2-methyl-3-pentanol	2.9×10^{-1}		Hine and Mookerjee (1975)	V	
$C_6H_{14}O$	3.3×10^{-1}		Hilal et al. (2008)	Q	
[565-67-3]	3.7×10^{-1}		Yaws et al. (1997)	Q	
	5.2×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
	2.9×10^{-1}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-methyl-3-pentanol	2.1×10^{-1}		Hilal et al. (2008)	Q	
$C_6H_{14}O$	7.0×10^{-1}		Yaws et al. (1997)	Q	
[77-74-7]					
2-ethyl-1-butanol	4.7×10^{-1}		Hilal et al. (2008)	Q	
$C_6H_{14}O$	4.8×10^{-1}		Yaws et al. (1997)	Q	
[97-95-0]					
2,2-dimethyl-1-butanol	2.8×10^{-1}		Yaws et al. (1997)	Q	
$C_6H_{14}O$					
[1185-33-7]					
2,3-dimethyl-1-butanol	8.2×10^{-1}		Yaws et al. (1997)	Q	
$C_6H_{14}O$	4.7×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
[19550-30-2]					
2,3-dimethyl-2-butanol	3.0×10^{-1}		Hine and Mookerjee (1975)	V	157
$C_6H_{14}O$	2.0×10^{-1}		Hilal et al. (2008)	Q	
[594-60-5]					
3,3-dimethyl-2-butanol	4.9×10^{-1}		Yaws et al. (1997)	Q	
$C_6H_{14}O$					
[464-07-3]					
1-heptanol	3.8×10^{-1}	7200	Shunthirasingham et al. (2013)	M	
$C_7H_{16}O$	3.6×10^{-1}	6300	Lei et al. (2007)	M	154
[111-70-6]	8.6×10^{-1}		Altschuh et al. (1999)	M	
	1.8×10^{-1}		Shiu and Mackay (1997)	M	
	6.2×10^{-1}		Mackay et al. (2006c)	V	
	6.2×10^{-1}		Shiu and Mackay (1997)	V	
	6.2×10^{-1}		Mackay et al. (1995)	V	
	4.9×10^{-1}	8700	Abraham (1984)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	5.3×10^{-1}		Hine and Mookerjee (1975)	V	
	5.2×10^{-1}		Butler et al. (1935)	V	
	3.0×10^{-1}		Hilal et al. (2008)	Q	
		8300	Kühne et al. (2005)	Q	
	5.2×10^{-1}		Yaws et al. (1997)	Q	
	5.0×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		9400	Kühne et al. (2005)	?	
	8.5×10^{-1}		Yaws and Yang (1992)	?	98
	5.0×10^{-1}		Abraham et al. (1990)	?	
2-heptanol $C_7H_{16}O$ [543-49-7]	2.0×10^{-1}		Hilal et al. (2008)	Q	
	1.2×10^{-1}		Yaws et al. (1997)	Q	
3-heptanol $C_7H_{16}O$ [589-82-2]	2.1×10^{-1}		Yaws et al. (1997)	Q	
4-heptanol $C_7H_{16}O$ [589-55-9]	3.5×10^{-1}	9100	Cabani et al. (1975b)	T	
	2.2×10^{-1}		Yaws et al. (1997)	Q	
2-methyl-1-hexanol $C_7H_{16}O$ [624-22-6]	6.9×10^{-1}	11000	Hiatt (2013)	M	
	1.7×10^{-1}		Yaws et al. (1997)	Q	
3-methyl-1-hexanol $C_7H_{16}O$ [13231-81-7]	1.3×10^{-1}		Yaws et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-methyl-1-hexanol $C_7H_{16}O$ [818-49-5]	1.3×10^{-1}		Yaws et al. (1997)	Q	
5-methyl-1-hexanol $C_7H_{16}O$ [627-98-5]	2.8×10^{-1}		Yaws et al. (1997)	Q	
2-methyl-2-hexanol $C_7H_{16}O$ [625-23-0]	6.4×10^{-1}		Yaws et al. (1997)	Q	
3-methyl-2-hexanol $C_7H_{16}O$ [2313-65-7]	4.9×10^{-1}		Yaws et al. (1997)	Q	
4-methyl-2-hexanol $C_7H_{16}O$ [2313-61-3]	5.0×10^{-1}		Yaws et al. (1997)	Q	
5-methyl-2-hexanol $C_7H_{16}O$ [627-59-8]	4.2×10^{-1}		Yaws et al. (1997)	Q	
2-methyl-3-hexanol $C_7H_{16}O$ [617-29-8]	5.8×10^{-1}		Yaws et al. (1997)	Q	
3-methyl-3-hexanol $C_7H_{16}O$ [597-96-6]	7.7×10^{-1}		Yaws et al. (1997)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-methyl-3-hexanol $C_7H_{16}O$ [615-29-2]	5.2×10^{-1}		Yaws et al. (1997)	Q	
5-methyl-3-hexanol $C_7H_{16}O$ [623-55-2]	5.4×10^{-1}		Yaws et al. (1997)	Q	
2-ethyl-1-pentanol $C_7H_{16}O$ [27522-11-8]	3.4×10^{-1}		Yaws et al. (1997)	Q	
3-ethyl-1-pentanol $C_7H_{16}O$ [66225-51-2]	3.4×10^{-1}		Yaws et al. (1997)	Q	
2,2-dimethyl-1-pentanol $C_7H_{16}O$ [2370-12-9]	3.3×10^{-1}		Yaws et al. (1997)	Q	
2,3-dimethyl-1-pentanol $C_7H_{16}O$ [10143-23-4]	3.6×10^{-1}		Yaws et al. (1997)	Q	
2,4-dimethyl-1-pentanol $C_7H_{16}O$ [6305-71-1]	3.3×10^{-1}		Yaws et al. (1997)	Q	
3,3-dimethyl-1-pentanol $C_7H_{16}O$ [19264-94-9]	3.5×10^{-1}		Yaws et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,4-dimethyl-1-pentanol $C_7H_{16}O$ [6570-87-2]	3.5×10^{-1}		Yaws et al. (1997)	Q	
4,4-dimethyl-1-pentanol $C_7H_{16}O$ [3121-79-7]	3.8×10^{-1}		Yaws et al. (1997)	Q	
3-ethyl-2-pentanol $C_7H_{16}O$ [609-27-8]	4.9×10^{-1}		Yaws et al. (1997)	Q	
2,3-dimethyl-2-pentanol $C_7H_{16}O$ [4911-70-0]	8.6×10^{-1}		Yaws et al. (1997)	Q	
2,4-dimethyl-2-pentanol $C_7H_{16}O$ [625-06-9]	5.7×10^{-1}		Yaws et al. (1997)	Q	
3,3-dimethyl-2-pentanol $C_7H_{16}O$ [19781-24-9]	5.5×10^{-1}		Yaws et al. (1997)	Q	
3,4-dimethyl-2-pentanol $C_7H_{16}O$ [64502-86-9]	4.7×10^{-1}		Yaws et al. (1997)	Q	
4,4-dimethyl-2-pentanol $C_7H_{16}O$ [6144-93-0]	6.8×10^{-1}		Yaws et al. (1997)	Q	
3-ethyl-3-pentanol $C_7H_{16}O$ [597-49-9]	1.1		Yaws et al. (1997)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2-dimethyl-3-pentanol $C_7H_{16}O$ [3970-62-5]	4.0×10^{-1}		Yaws et al. (1997)	Q	
2,3-dimethyl-3-pentanol $C_7H_{16}O$ [595-41-5]	9.2×10^{-1}		Yaws et al. (1997)	Q	
2,4-dimethyl-3-pentanol $C_7H_{16}O$ [600-36-2]	3.8×10^{-1}		Yaws et al. (1997)	Q	
2-ethyl-2-methyl-1-butanol $C_7H_{16}O$ [18371-13-6]	4.3×10^{-1}		Yaws et al. (1997)	Q	
2-ethyl-3-methyl-1-butanol $C_7H_{16}O$ [32444-34-1]	3.8×10^{-1}		Yaws et al. (1997)	Q	
2,2,3-trimethyl-1-butanol $C_7H_{16}O$ [55505-23-2]	4.3×10^{-1}		Yaws et al. (1997)	Q	
2,3,3-trimethyl-1-butanol $C_7H_{16}O$ [36794-64-6]	4.0×10^{-1}		Yaws et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,3-trimethyl-2-butanol $C_7H_{16}O$ [594-83-2]	2.7×10^{-1}		Yaws et al. (1997)	Q	
1-octanol	2.1×10^{-1}	6900	Shunthirasingham et al. (2013)	M	
$C_8H_{18}O$	1.9×10^{-1}	6000	Lei et al. (2007)	M	154
[111-87-5]	6.5×10^{-1}		Altschuh et al. (1999)	M	
	4.0×10^{-1}		Buttery et al. (1969)	M	
	3.8×10^{-1}		Mackay et al. (2006c)	V	
	2.4×10^{-1}		Mackay et al. (1995)	V	
		8900	Abraham (1984)	V	
	4.1×10^{-1}		Hine and Mookerjee (1975)	V	
	4.1×10^{-1}		Butler et al. (1935)	V	
	3.3×10^{-1}		Savary et al. (2014)	Q	
	2.5×10^{-1}		Hilal et al. (2008)	Q	
		8600	Kühne et al. (2005)	Q	
	3.9×10^{-1}		Yaws et al. (1997)	Q	
	3.9×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		7700	Kühne et al. (2005)	?	
	6.2×10^{-1}		Yaws and Yang (1992)	?	98
	4.0×10^{-1}		Abraham et al. (1990)	?	
2-octanol	2.7×10^{-1}		Meylan and Howard (1991)	V	
$C_8H_{18}O$	2.7×10^{-1}		Bocek (1976)	X	158
[123-96-6]	1.7×10^{-1}		Hilal et al. (2008)	Q	
	3.0×10^{-1}		Yaws et al. (1997)	Q	
	3.2×10^{-1}		Meylan and Howard (1991)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-octanol $C_8H_{18}O$ [589-98-0]	3.1×10^{-1}		Yaws et al. (1997)	Q	
4-octanol $C_8H_{18}O$ [589-62-8]	2.9×10^{-1}		Yaws et al. (1997)	Q	
2-methyl-1-heptanol $C_8H_{18}O$ [60435-70-3]	3.4×10^{-1}		Yaws et al. (1997)	Q	159
3-methyl-1-heptanol $C_8H_{18}O$ [1070-32-2]	2.1×10^{-1}		Yaws et al. (1997)	Q	
4-methyl-1-heptanol $C_8H_{18}O$ [817-91-4]	2.3×10^{-1}		Yaws et al. (1997)	Q	
5-methyl-1-heptanol $C_8H_{18}O$ [7212-53-5]	2.1×10^{-1}		Yaws et al. (1997)	Q	
6-methyl-1-heptanol $C_8H_{18}O$ [1653-40-3]	2.0×10^{-1}		Yaws et al. (1997)	Q	
2-methyl-2-heptanol $C_8H_{18}O$ [625-25-2]	5.1×10^{-1}		Yaws et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-methyl-2-heptanol $C_8H_{18}O$ [31367-46-1]	3.9×10^{-1}		Yaws et al. (1997)	Q	
4-methyl-2-heptanol $C_8H_{18}O$ [56298-90-9]	3.4×10^{-1}		Yaws et al. (1997)	Q	
5-methyl-2-heptanol $C_8H_{18}O$ [54630-50-1]	3.3×10^{-1}		Yaws et al. (1997)	Q	
6-methyl-2-heptanol $C_8H_{18}O$ [4730-22-7]	3.3×10^{-1}		Yaws et al. (1997)	Q	
2-methyl-3-heptanol $C_8H_{18}O$ [18720-62-2]	3.8×10^{-1}		Yaws et al. (1997)	Q	
3-methyl-3-heptanol $C_8H_{18}O$ [5582-82-1]	2.9×10^{-1}		Yaws et al. (1997)	Q	
4-methyl-3-heptanol $C_8H_{18}O$ [14979-39-6]	5.3×10^{-1}		Yaws et al. (1997)	Q	
5-methyl-3-heptanol $C_8H_{18}O$ [18720-65-5]	5.6×10^{-1}		Yaws et al. (1997)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methyl-4-heptanol $C_8H_{18}O$ [21570-35-4]	3.9×10^{-1}		Yaws et al. (1997)	Q	
3-methyl-4-heptanol $C_8H_{18}O$ [1838-73-9]	4.1×10^{-1}		Yaws et al. (1997)	Q	
4-methyl-4-heptanol $C_8H_{18}O$ [598-01-6]	4.5×10^{-1}		Yaws et al. (1997)	Q	
2-ethyl-1-hexanol $C_8H_{18}O$ [104-76-7]	3.1×10^{-1} 4.3×10^{-1}		Hilal et al. (2008) Yaws et al. (1997)	Q Q	
2,2-dimethyl-1-hexanol $C_8H_{18}O$ [2370-13-0]	4.9×10^{-1}		Yaws et al. (1997)	Q	
2,4-dimethyl-1-hexanol $C_8H_{18}O$ [3965-59-1]	4.6×10^{-1}		Yaws et al. (1997)	Q	
2,5-dimethyl-1-hexanol $C_8H_{18}O$ [6886-16-4]	4.1×10^{-1}		Yaws et al. (1997)	Q	
3,5-dimethyl-1-hexanol $C_8H_{18}O$ [13501-73-0]	3.6×10^{-1}		Yaws et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-ethyl-2-hexanol $C_8H_{18}O$ [24448-19-9]	5.6×10^{-1}		Yaws et al. (1997)	Q	
2,3-dimethyl-2-hexanol $C_8H_{18}O$ [19550-03-9]	7.0×10^{-1}		Yaws et al. (1997)	Q	
2,4-dimethyl-2-hexanol $C_8H_{18}O$ [42328-76-7]	8.9×10^{-1}		Yaws et al. (1997)	Q	
2,5-dimethyl-2-hexanol $C_8H_{18}O$ [3730-60-7]	8.5×10^{-1}		Yaws et al. (1997)	Q	
3,4-dimethyl-2-hexanol $C_8H_{18}O$ [19550-05-1]	5.2×10^{-1}		Yaws et al. (1997)	Q	
3,5-dimethyl-2-hexanol $C_8H_{18}O$ [66576-27-0]	7.0×10^{-1}		Yaws et al. (1997)	Q	
5,5-dimethyl-2-hexanol $C_8H_{18}O$ [31841-77-7]	6.0×10^{-1}		Yaws et al. (1997)	Q	
3-ethyl-3-hexanol $C_8H_{18}O$ [597-76-2]	7.2×10^{-1}		Yaws et al. (1997)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-ethyl-3-hexanol $C_8H_{18}O$ [19780-44-0]	6.3×10^{-1}		Yaws et al. (1997)	Q	
2,2-dimethyl-3-hexanol $C_8H_{18}O$ [4209-90-9]	7.8×10^{-1}		Yaws et al. (1997)	Q	
2,3-dimethyl-3-hexanol $C_8H_{18}O$ [4166-46-5]	7.4×10^{-1}		Yaws et al. (1997)	Q	
2,4-dimethyl-3-hexanol $C_8H_{18}O$ [13432-25-2]	7.0×10^{-1}		Yaws et al. (1997)	Q	
2,5-dimethyl-3-hexanol $C_8H_{18}O$ [19550-07-3]	7.2×10^{-1}		Yaws et al. (1997)	Q	
3,4-dimethyl-3-hexanol $C_8H_{18}O$ [19550-08-4]	8.6×10^{-1}		Yaws et al. (1997)	Q	
3,5-dimethyl-3-hexanol $C_8H_{18}O$ [4209-91-0]	8.6×10^{-1}		Yaws et al. (1997)	Q	
4,4-dimethyl-3-hexanol $C_8H_{18}O$ [19550-09-5]	7.2×10^{-1}		Yaws et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
5,5-dimethyl-3-hexanol $C_8H_{18}O$ [66576-31-6]	8.4×10^{-1}		Yaws et al. (1997)	Q	
2-propyl-1-pentanol $C_8H_{18}O$ [58175-57-8]	4.1×10^{-1}		Yaws et al. (1997)	Q	
2-ethyl-2-methyl-1-pentanol $C_8H_{18}O$ [5970-63-8]	4.3×10^{-1}		Yaws et al. (1997)	Q	
2-ethyl-4-methyl-1-pentanol $C_8H_{18}O$ [106-67-2]	4.4×10^{-1}		Yaws et al. (1997)	Q	
2,2,3-trimethyl-1-pentanol $C_8H_{18}O$ [57409-53-7]	4.7×10^{-1}		Yaws et al. (1997)	Q	
2,2,4-trimethyl-1-pentanol $C_8H_{18}O$ [123-44-4]	5.6×10^{-1}		Yaws et al. (1997)	Q	
2,3,4-trimethyl-1-pentanol $C_8H_{18}O$ [6570-88-3]	3.6×10^{-1}		Yaws et al. (1997)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4,4-trimethyl-1-pentanol $C_8H_{18}O$ [16325-63-6]	5.2×10^{-1}		Yaws et al. (1997)	Q	
3-ethyl-2-methyl-2-pentanol $C_8H_{18}O$ [19780-63-3]	7.4×10^{-1}		Yaws et al. (1997)	Q	
3-ethyl-4-methyl-2-pentanol $C_8H_{18}O$ [66576-23-6]	6.3×10^{-1}		Yaws et al. (1997)	Q	
2,3,3-trimethyl-2-pentanol $C_8H_{18}O$ [23171-85-9]	7.0×10^{-1}		Yaws et al. (1997)	Q	
2,3,4-trimethyl-2-pentanol $C_8H_{18}O$ [66576-26-9]	7.4×10^{-1}		Yaws et al. (1997)	Q	
2,4,4-trimethyl-2-pentanol $C_8H_{18}O$ [690-37-9]	9.9×10^{-1}		Yaws et al. (1997)	Q	
3,3,4-trimethyl-2-pentanol $C_8H_{18}O$ [19411-41-7]	6.1×10^{-1}		Yaws et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,4,4-trimethyl-2-pentanol $C_8H_{18}O$ [10575-56-1]	7.4×10^{-1}		Yaws et al. (1997)	Q	
3-ethyl-2-methyl-3-pentanol $C_8H_{18}O$ [597-05-7]	7.0×10^{-1}		Yaws et al. (1997)	Q	
2,2,3-trimethyl-3-pentanol $C_8H_{18}O$ [7294-05-5]	1.1		Yaws et al. (1997)	Q	
2,2,4-trimethyl-3-pentanol $C_8H_{18}O$ [5162-48-1]	8.9×10^{-1}		Yaws et al. (1997)	Q	
2,3,4-trimethyl-3-pentanol $C_8H_{18}O$ [3054-92-0]	7.6×10^{-1}		Yaws et al. (1997)	Q	
3-methyl-2-(1-methylethyl)-1-butanol $C_8H_{18}O$ [18593-92-5]	4.9×10^{-1}		Yaws et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-nonanol	1.1×10^{-1}	6300	Shunthirasingham et al. (2013)	M	
$C_9H_{20}O$	1.4×10^{-1}	6200	Lei et al. (2007)	M	154
[143-08-8]	2.8×10^{-1}		Abraham (1984)	V	
	2.2×10^{-1}		Hilal et al. (2008)	Q	
	3.1×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	3.2×10^{-1}		Yaws et al. (1997)	Q	
	5.9×10^{-1}		Yaws and Yang (1992)	?	98
	2.9×10^{-1}		Abraham et al. (1990)	?	
2-nonanol $C_9H_{20}O$ [628-99-9]	5.4×10^{-1}		Yaws et al. (1997)	Q	
3-nonanol $C_9H_{20}O$ [624-51-1]	3.0×10^{-1}		Yaws et al. (1997)	Q	
4-nonanol $C_9H_{20}O$ [5932-79-6]	3.1×10^{-1}		Yaws et al. (1997)	Q	
5-nonanol $C_9H_{20}O$ [623-93-8]	2.9×10^{-1}		Yaws et al. (1997)	Q	
6-methyl-1-octanol $C_9H_{20}O$ [38514-05-5]	2.1×10^{-1}		Yaws et al. (1997)	Q	
7-methyl-1-octanol $C_9H_{20}O$ [2430-22-0]	2.1×10^{-1}		Yaws et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methyl-2-octanol $C_9H_{20}O$ [628-44-4]	4.8×10^{-1}		Yaws et al. (1997)	Q	
2-methyl-3-octanol $C_9H_{20}O$ [26533-34-6]	4.1×10^{-1}		Yaws et al. (1997)	Q	
3-methyl-3-octanol $C_9H_{20}O$ [5340-36-3]	3.6×10^{-1}		Yaws et al. (1997)	Q	
2-methyl-4-octanol $C_9H_{20}O$ [40575-41-5]	4.1×10^{-1}		Yaws et al. (1997)	Q	
3-methyl-4-octanol $C_9H_{20}O$ [26533-35-7]	4.6×10^{-1}		Yaws et al. (1997)	Q	
4-methyl-4-octanol $C_9H_{20}O$ [23418-37-3]	4.5×10^{-1}		Yaws et al. (1997)	Q	
3-ethyl-1-heptanol $C_9H_{20}O$ [3525-25-5]	2.0×10^{-1}		Yaws et al. (1997)	Q	
2,2-dimethyl-1-heptanol $C_9H_{20}O$ [14250-79-4]	3.2×10^{-1}		Yaws et al. (1997)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,6-dimethyl-2-heptanol $C_9H_{20}O$ [13254-34-7]	5.8×10^{-1}		Yaws et al. (1997)	Q	
4,6-dimethyl-2-heptanol $C_9H_{20}O$ [51079-52-8]	3.1×10^{-1}		Yaws et al. (1997)	Q	
5,6-dimethyl-2-heptanol $C_9H_{20}O$ [58795-24-7]	3.2×10^{-1}		Yaws et al. (1997)	Q	
3-ethyl-3-heptanol $C_9H_{20}O$ [19780-41-7]	4.3×10^{-1}		Yaws et al. (1997)	Q	
2,3-dimethyl-3-heptanol $C_9H_{20}O$ [19549-71-4]	5.4×10^{-1}		Yaws et al. (1997)	Q	
2,6-dimethyl-3-heptanol $C_9H_{20}O$ [19549-73-6]	5.2×10^{-1}		Yaws et al. (1997)	Q	
4-ethyl-4-heptanol $C_9H_{20}O$ [597-90-0]	4.7×10^{-1}		Yaws et al. (1997)	Q	
2,2-dimethyl-4-heptanol $C_9H_{20}O$ [66793-99-5]	5.4×10^{-1}		Yaws et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4-dimethyl-4-heptanol $C_9H_{20}O$ [19549-77-0]	5.7×10^{-1}		Yaws et al. (1997)	Q	
2,5-dimethyl-4-heptanol $C_9H_{20}O$	1.6×10^{-1}		Yaws et al. (1997)	Q	
2,6-dimethyl-4-heptanol $C_9H_{20}O$ [108-82-7]	1.7×10^{-1} 1.7×10^{-1}		Hilal et al. (2008) Yaws et al. (1997)	Q Q	
3,3-dimethyl-4-heptanol $C_9H_{20}O$ [19549-78-1]	2.2×10^{-1}		Yaws et al. (1997)	Q	
2-ethyl-4-methyl-1-hexanol $C_9H_{20}O$ [66794-06-7]	1.2×10^{-1}		Yaws et al. (1997)	Q	
3-ethyl-2-methyl-1-hexanol $C_9H_{20}O$ [66794-01-2]	1.3×10^{-1}		Yaws et al. (1997)	Q	
3,4,4-trimethyl-1-hexanol $C_9H_{20}O$ [66793-73-5]	1.4×10^{-1}		Yaws et al. (1997)	Q	
3,5,5-trimethyl-1-hexanol $C_9H_{20}O$ [3452-97-9]	1.3×10^{-1}		Yaws et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4,5,5-trimethyl-1-hexanol $C_9H_{20}O$ [66793-75-7]	9.4×10^{-2}		Yaws et al. (1997)	Q	
3-ethyl-2-methyl-2-hexanol $C_9H_{20}O$ [66794-02-3]	2.1×10^{-1}		Yaws et al. (1997)	Q	
3-ethyl-2-methyl-3-hexanol $C_9H_{20}O$ [66794-03-4]	1.7×10^{-1}		Yaws et al. (1997)	Q	
3-ethyl-5-methyl-3-hexanol $C_9H_{20}O$ [597-77-3]	2.5×10^{-1}		Yaws et al. (1997)	Q	
2,2,3-trimethyl-3-hexanol $C_9H_{20}O$ [5340-41-0]	2.4×10^{-1}		Yaws et al. (1997)	Q	
2,2,4-trimethyl-3-hexanol $C_9H_{20}O$ [66793-89-3]	2.7×10^{-1}		Yaws et al. (1997)	Q	
2,2,5-trimethyl-3-hexanol $C_9H_{20}O$ [3970-60-3]	3.4×10^{-1}		Yaws et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4,4-trimethyl-3-hexanol $C_9H_{20}O$ [66793-92-8]	2.5×10^{-1}		Yaws et al. (1997)	Q	
3,4,4-trimethyl-3-hexanol $C_9H_{20}O$ [66793-74-6]	2.9×10^{-1}		Yaws et al. (1997)	Q	
4-methyl-2-propyl-1-pentanol $C_9H_{20}O$ [54004-41-0]	1.3×10^{-1}		Yaws et al. (1997)	Q	
4-methyl-2-(1-methylethyl)-1-pentanol $C_9H_{20}O$ [55505-24-3]	1.6×10^{-1}		Yaws et al. (1997)	Q	
2-ethyl-2,4-dimethyl-1-pentanol $C_9H_{20}O$ [66793-98-4]	1.5×10^{-1}		Yaws et al. (1997)	Q	
3,3,4,4-tetramethyl-2-pentanol $C_9H_{20}O$ [66793-88-2]	2.0×10^{-1}		Yaws et al. (1997)	Q	
3-ethyl-2,2-dimethyl-3-pentanol $C_9H_{20}O$ [66793-96-2]	2.3×10^{-1}		Yaws et al. (1997)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-ethyl-2,4-dimethyl-3-pentanol $C_9H_{20}O$ [3970-59-0]	2.1×10^{-1}		Yaws et al. (1997)	Q	
2,2,3,4-tetramethyl-3-pentanol $C_9H_{20}O$ [29772-39-2]	2.3×10^{-1}		Yaws et al. (1997)	Q	
2,2,4,4-tetramethylpentan-3-ol $C_9H_{20}O$ [14609-79-1]	2.8×10^{-1}		Yaws et al. (1997)	Q	
1-decanol	7.6×10^{-2}	6600	Shunthirasingham et al. (2013)	M	
$C_{10}H_{22}O$	6.5×10^{-2}	5300	Lei et al. (2007)	M	154
[112-30-1]	3.1×10^{-1}		Altschuh et al. (1999)	M	
	1.9×10^{-1}		Abraham (1984)	V	
	2.0×10^{-1}		Hilal et al. (2008)	Q	
	2.4×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	2.1×10^{-1}		Yaws et al. (1997)	Q	
	3.7×10^{-1}		Yaws and Yang (1992)	?	98
	1.9×10^{-1}		Abraham et al. (1990)	?	
2-decanol $C_{10}H_{22}O$ [1120-06-5]	5.4×10^{-1}		Yaws et al. (1997)	Q	
4-decanol $C_{10}H_{22}O$ [2051-31-2]	5.3×10^{-1}		Yaws et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
5-decanol $C_{10}H_{22}O$ [5205-34-5]	7.3×10^{-1}		Yaws et al. (1997)	Q	
2-methyl-1-nonanol $C_{10}H_{22}O$ [40589-14-8]	3.4×10^{-1}		Yaws et al. (1997)	Q	
2-methyl-3-nonanol $C_{10}H_{22}O$ [26533-33-5]	5.7×10^{-1}		Yaws et al. (1997)	Q	
2,2-dimethyl-1-octanol $C_{10}H_{22}O$ [2370-14-1]	5.7×10^{-1}		Yaws et al. (1997)	Q	
3,7-dimethyl-1-octanol $C_{10}H_{22}O$ [106-21-8]	5.0×10^{-1}		Yaws et al. (1997)	Q	
3-ethyl-3-octanol $C_{10}H_{22}O$ [2051-32-3]	7.7×10^{-1}		Yaws et al. (1997)	Q	
2,3-dimethyl-3-octanol $C_{10}H_{22}O$ [19781-10-3]	1.0		Yaws et al. (1997)	Q	
2,7-dimethyl-3-octanol $C_{10}H_{22}O$ [66719-55-9]	9.0×10^{-1}		Yaws et al. (1997)	Q	
3,6-dimethyl-3-octanol $C_{10}H_{22}O$ [151-19-9]	9.6×10^{-1}		Yaws et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,7-dimethyl-3-octanol $C_{10}H_{22}O$ [78-69-3]	8.5×10^{-1}		Yaws et al. (1997)	Q	
2,2-dimethyl-4-octanol $C_{10}H_{22}O$ [66719-52-6]	1.0		Yaws et al. (1997)	Q	
4,7-dimethyl-4-octanol $C_{10}H_{22}O$ [19781-13-6]	9.6×10^{-1}		Yaws et al. (1997)	Q	
2-propyl-1-heptanol $C_{10}H_{22}O$ [10042-59-8]	4.0×10^{-1}		Yaws et al. (1997)	Q	
3-(1-methylethyl)-1-heptanol $C_{10}H_{22}O$ [38514-15-7]	4.4×10^{-1}		Yaws et al. (1997)	Q	
2,5,6-trimethyl-2-heptanol $C_{10}H_{22}O$ [66256-48-2]	9.3×10^{-1}		Yaws et al. (1997)	Q	
3-ethyl-2-methyl-3-heptanol $C_{10}H_{22}O$ [66719-37-7]	9.3×10^{-1}		Yaws et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2,3-trimethyl-3-heptanol $C_{10}H_{22}O$ [29772-40-5]	1.1		Yaws et al. (1997)	Q	
3,5,5-trimethyl-3-heptanol $C_{10}H_{22}O$ [66256-50-6]	8.6×10^{-1}		Yaws et al. (1997)	Q	
4-propyl-4-heptanol $C_{10}H_{22}O$ [2198-72-3]	9.0×10^{-1}		Yaws et al. (1997)	Q	
4-(1-methylethyl)-4-heptanol $C_{10}H_{22}O$ [51200-82-9]	1.0		Yaws et al. (1997)	Q	
2,2,4-trimethyl-4-heptanol $C_{10}H_{22}O$ [57233-31-5]	1.3		Yaws et al. (1997)	Q	
2,4,6-trimethyl-4-heptanol $C_{10}H_{22}O$ [60836-07-9]	1.3		Yaws et al. (1997)	Q	
2-butyl-1-hexanol $C_{10}H_{22}O$ [2768-15-2]	4.4×10^{-1}		Yaws et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-methyl-2-propyl-1-hexanol $C_{10}H_{22}O$ [66256-62-0]	5.7×10^{-1}		Yaws et al. (1997)	Q	
4-methyl-2-(1-methylethyl)-1-hexanol $C_{10}H_{22}O$ [66719-41-3]	7.3×10^{-1}		Yaws et al. (1997)	Q	
5-methyl-2-(1-methylethyl)-1-hexanol $C_{10}H_{22}O$ [2051-33-4]	4.8×10^{-1}		Yaws et al. (1997)	Q	
2,3,4,4-tetramethyl-2-hexanol $C_{10}H_{22}O$ [66256-66-4]	1.0		Yaws et al. (1997)	Q	
2-methyl-3-(1-methylethyl)-3-hexanol $C_{10}H_{22}O$ [51200-81-8]	9.6×10^{-1}		Yaws et al. (1997)	Q	
4-ethyl-2,2-dimethyl-3-hexanol $C_{10}H_{22}O$ [66719-47-9]	1.1		Yaws et al. (1997)	Q	
2,2,3,4-tetramethyl-3-hexanol $C_{10}H_{22}O$ [66256-63-1]	9.6×10^{-1}		Yaws et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2,4,4-tetramethyl-3-hexanol $C_{10}H_{22}O$ [66256-65-3]	1.0		Yaws et al. (1997)	Q	
2,2,5,5-tetramethyl-3-hexanol $C_{10}H_{22}O$ [55073-86-4]	1.7		Yaws et al. (1997)	Q	
2,3,4,4-tetramethyl-3-hexanol $C_{10}H_{22}O$ [66256-67-5]	7.3×10^{-1}		Yaws et al. (1997)	Q	
3,4,4,5-tetramethyl-3-hexanol $C_{10}H_{22}O$ [66256-39-1]	7.0×10^{-1}		Yaws et al. (1997)	Q	
3,4,5,5-tetramethyl-3-hexanol $C_{10}H_{22}O$ [66256-40-4]	8.8×10^{-1}		Yaws et al. (1997)	Q	
4-methyl-2-(2-methylpropyl)-1-pentanol $C_{10}H_{22}O$ [22417-45-4]	6.6×10^{-1}		Yaws et al. (1997)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4-dimethyl-3-propyl-3-pentanol $C_{10}H_{22}O$ [500001-19-4]	1.2		Yaws et al. (1997)	Q	
2,4-dimethyl-3-(1-methylethyl)-3-pentanol $C_{10}H_{22}O$ [51200-83-0]	8.9×10^{-1}		Yaws et al. (1997)	Q	
3-ethyl-2,2,4-trimethyl-3-pentanol $C_{10}H_{22}O$ [66256-41-5]	9.9×10^{-1}		Yaws et al. (1997)	Q	
2,2,3,4,4-pentamethyl-3-pentanol $C_{10}H_{22}O$ [5857-69-2]	8.9×10^{-1}		Yaws et al. (1997)	Q	
1-undecanol	1.2×10^{-1}		Hilal et al. (2008)	Q	
$C_{11}H_{24}O$	2.2×10^{-1}		Yaws et al. (1997)	Q	
[112-42-5]					
1-dodecanol	4.4×10^{-1}		Altschuh et al. (1999)	M	
$C_{12}H_{26}O$	1.4×10^{-1}	9800	Abraham (1984)	V	
[112-53-8]	1.5×10^{-1}		Hilal et al. (2008)	Q	
	1.9×10^{-1}		Yaws et al. (1997)	Q	
	1.1×10^{-1}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,6,8-trimethyl-4-nonanol	1.0×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{26}O$	1.1×10^{-1}		Zhang et al. (2010)	Q	113, 115
[123-17-1]	6.0×10^{-2}		Zhang et al. (2010)	Q	113, 116
	2.6×10^{-2}		Zhang et al. (2010)	Q	113, 117
1-tridecanol $C_{13}H_{28}O$ [112-70-9]	1.2×10^{-1}		Yaws et al. (1997)	Q	
1-tetradecanol	2.2×10^{-1}		Abraham (1984)	R	
$C_{14}H_{30}O$	6.2×10^{-2}		Hilal et al. (2008)	Q	
[112-72-1]	9.5×10^{-2}		Yaws et al. (1997)	Q	
			Yaws and Yang (1992)	?	98, 7
1-pentadecanol	2.2×10^{-1}		Abraham (1984)	V	
$C_{15}H_{32}O$	2.5×10^{-1}		Yaws et al. (1997)	Q	
[629-76-5]			Yaws and Yang (1992)	?	98, 7
1-hexadecanol	3.5×10^{-1}		Abraham (1984)	R	
$C_{16}H_{34}O$	3.9×10^{-2}		Hilal et al. (2008)	Q	
(cetyl alcohol)	1.0×10^{-1}		Yaws et al. (1997)	Q	
[124-29-8]	5.9×10^{-1}		Yaws and Yang (1992)	?	98
1-heptadecanol	4.5×10^{-2}		Yaws et al. (1997)	Q	
$C_{17}H_{36}O$	1.2×10^{1}		Yaws and Yang (1992)	?	98
[1454-85-9]					
1-octadecanol	3.8×10^{-1}		Abraham (1984)	R	
$C_{18}H_{38}O$	2.5×10^{-2}		Hilal et al. (2008)	Q	
[112-92-5]	3.1×10^{-3}		Yaws et al. (1997)	Q	
	9.1×10^{-1}		Yaws and Yang (1992)	?	98, 160

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-nonadecanol $C_{19}H_{40}O$ [1454-84-8]	9.9×10^{-2}		Yaws et al. (1997)	Q	
1-eicosanol $C_{20}H_{42}O$ [629-96-9]	1.8×10^{-2}		Yaws et al. (1997)	Q	
cyclopentanol	4.3	8000	Cabani et al. (1975b)	T	
C_5H_9OH	2.0		Hilal et al. (2008)	Q	
[96-41-3]		7200	Kühne et al. (2005)	Q	
	4.4		Nirmalakhandan et al. (1997)	Q	
		7300	Kühne et al. (2005)	?	
	4.3		Abraham et al. (1990)	?	
cyclohexanol	2.2		Altschuh et al. (1999)	M	
$C_6H_{11}OH$	4.5		Mackay et al. (2006c)	V	
[108-93-0]	4.5		Mackay et al. (1995)	V	
	3.5		Meylan and Howard (1991)	V	
	1.7		Hine and Mookerjee (1975)	V	
	4.1	8500	Cabani et al. (1975b)	T	
	3.6		Howard (1993)	X	161
	3.3		Hilal et al. (2008)	Q	
		7500	Kühne et al. (2005)	Q	
	2.7		Nirmalakhandan et al. (1997)	Q	
	2.0		Meylan and Howard (1991)	Q	
	3.4		Nirmalakhandan and Speece (1988a)	Q	
		7500	Kühne et al. (2005)	?	
	4.1		Abraham et al. (1990)	?	
cycloheptanol	4.2	9000	Cabani et al. (1975b)	T	
$C_7H_{13}OH$	1.0		Hilal et al. (2008)	Q	
[502-41-0]	4.2		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methylcyclohexanol	1.3		Altschuh et al. (1999)	M	
$C_7H_{14}O$	1.3		Hilal et al. (2008)	Q	
[583-59-5]					
3-methylcyclohexanol $C_7H_{14}O$ [591-23-1]	2.7		Altschuh et al. (1999)	M	
cyclododecanol	3.4		Altschuh et al. (1999)	M	
$C_{12}H_{24}O$	3.7×10^{-1}		Zhang et al. (2010)	Q	113, 114
[1724-39-6]	3.4		Zhang et al. (2010)	Q	113, 115
	8.0		Zhang et al. (2010)	Q	113, 116
	5.3×10^{-2}		Zhang et al. (2010)	Q	113, 117
	1.6		Hilal et al. (2008)	Q	
perhydrobisphenol a	9.7		Zhang et al. (2010)	Q	113, 114
$C_{15}H_{28}O_2$	6.1×10^{4}		Zhang et al. (2010)	Q	113, 115
[80-04-6]	3.4×10^{4}		Zhang et al. (2010)	Q	113, 116
	1.8×10^{2}		Zhang et al. (2010)	Q	113, 117
3-(5,5,6-trimethyl-2-norbornyl)cyclohexanol	6.1×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_{28}O$	1.6×10^{1}		Zhang et al. (2010)	Q	113, 115
[3407-42-9]	1.1×10^{1}		Zhang et al. (2010)	Q	113, 116
	2.7×10^{-1}		Zhang et al. (2010)	Q	113, 117
4-(5,5,6-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol	6.1×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_{28}O$	1.8×10^{1}		Zhang et al. (2010)	Q	113, 115
[66068-84-6]	4.4×10^{1}		Zhang et al. (2010)	Q	113, 116
	2.7×10^{-1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-((1R,2R,4R)-born-2-yl)cyclohexanol	6.1×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_{28}O$	9.9		Zhang et al. (2010)	Q	113, 115
[66072-32-0]	4.3×10^{1}		Zhang et al. (2010)	Q	113, 116
	1.6×10^{-1}		Zhang et al. (2010)	Q	113, 117
2-propen-1-ol	2.0		Lide and Frederikse (1995)	V	
C_3H_5OH	4.3	7200	Goldstein (1982)	X	122
(allyl alcohol)	2.0		Pierotti et al. (1959)	X	162
[107-18-6]	2.8		Hilal et al. (2008)	Q	
	3.5		Nirmalakhandan et al. (1997)	Q	
	3.4		Nirmalakhandan and Speece (1988a)	Q	
	1.8		Yaws and Yang (1992)	?	98
	2.0		Abraham et al. (1990)	?	
2-propyn-1-ol	3.8	7400	Hiatt (2013)	M	
C_3H_4O	5.4		Hilal et al. (2008)	Q	
(propargyl alcohol)					
[107-19-7]					
2-buten-1-ol	2.7		Hilal et al. (2008)	Q	
$CH_3CHCHCH_2OH$	3.0		Saxena and Hildemann (1996)	E	156
[6117-91-5]					
2-methyl-3-buten-2-ol	6.4×10^{-1}		Iraci et al. (1999)	M	24
C_5H_9O	4.7×10^{-1}		Altschuh et al. (1999)	M	
[115-18-4]	6.0×10^{-1}		Hilal et al. (2008)	Q	
2-methyl-3-butyn-2-ol	2.5		Altschuh et al. (1999)	M	
C_5H_8O	1.0		Hilal et al. (2008)	Q	
[115-19-5]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-methyl-1-pentyn-3-ol	9.9×10^{-1}		Hilal et al. (2008)	Q	
$C_6H_{10}O$					
(meparfynol)					
[77-75-8]					
1-octen-3-ol	1.3×10^{-1}		Roberts and Pollien (1997)	M	
$C_8H_{16}O$					
[3391-86-4]					
bicyclo[2.2.1]heptan-2-ol	2.2	5000	van Roon et al. (2005)	V	
$C_7H_{12}O$					
(norborneol)					
[1632-68-4]					
3,7-dimethyl-1,6-octadien-3-ol	2.0×10^{-1}	4400	Leng et al. (2013)	M	
$C_{10}H_{18}O$	4.6×10^{-1}		Altschuh et al. (1999)	M	
(linalool)	4.8×10^{-1}		Copolovici and Niinemets (2005)	V	
[78-70-6]	4.8×10^{-1}		Niinemets and Reichstein (2002)	V	
	2.1×10^{-1}	14000	Li et al. (1998)	V	
	2.5×10^{-1}		Savary et al. (2014)	Q	
	6.9×10^{-1}		Hilal et al. (2008)	Q	
	1.5×10^{-2}		Hertel and Sommer (2006)	Q	163
tricyclo[3.3.1.1(3,7)]decan-1-ol	6.0	5300	van Roon et al. (2005)	V	
$C_{10}H_{16}O$					
(1-adamantanol)					
[768-95-6]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
plinol $C_{10}H_{18}O$ [11039-70-6]	1.2		Hilal et al. (2008)	Q	
dihydroabietyl alcohol	1.9×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{20}H_{34}O$	2.4×10^{1}		Zhang et al. (2010)	Q	113, 115
[26266-77-3]	2.6×10^{1}		Zhang et al. (2010)	Q	113, 116
	2.0×10^{-1}		Zhang et al. (2010)	Q	113, 117
hydroxybenzene	2.8×10^{1}	2700	Guo and Brimblecombe (2007)	M	
C_6H_5OH	6.4	7700	Feigenbrugel et al. (2004b)	M	
(phenol)	3.0×10^{1}	5900	Harrison et al. (2002)	M	
[108-95-2]	1.9×10^{1}		Sheikheldin et al. (2001)	M	9
			Altschuh et al. (1999)	M	164
	8.1×10^{1}	7400	Tabai et al. (1997)	M	165
	4.2		Heal et al. (1995)	M	148
	1.6×10^{1}	6000	Dohnal and Fenclová (1995)	M	
	1.5×10^{1}		Tremp et al. (1993)	M	9
	1.7×10^{1}	6100	Abd-El-Bary et al. (1986)	M	
	7.6		Warner et al. (1980)	M	
	2.0×10^{1}		Mackay et al. (2006c)	V	
	2.5×10^{1}		Lide and Frederikse (1995)	V	
	1.9×10^{1}		Mackay et al. (1995)	V	
	1.9×10^{1}		Shiu et al. (1994)	V	
	3.4		Hwang et al. (1992)	V	
	1.1×10^{1}		Riederer (1990)	V	
	9.0×10^{1}		Leuenberger et al. (1985)	V	166
	4.8		Hine and Weimar (1965)	R	
	2.8×10^{1}	6800	Parsons et al. (1971)	T	167
	1.9	3600	Janini and Quaddora (1986)	X	122
	1.9×10^{1}	7300	Goldstein (1982)	X	122

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.5×10^{1}		Howard (1989)	X	168
	3.0×10^{1}		Gaffney and Senum (1984)	X	151
	3.7×10^{1}		McCarty (1980)	X	145
	2.5×10^{1}		Schüürmann (2000)	C	11
	7.6		Shiu et al. (1994)	C	
	2.1×10^{1}		Ryan et al. (1988)	C	
	4.4		Hilal et al. (2008)	Q	
		6200	Kühne et al. (2005)	Q	
	9.9		Nirmalakhandan and Speece (1988a)	Q	
		5400	Kühne et al. (2005)	?	
	1.6×10^{1}		Abraham et al. (1990)	?	
(hydroxymethyl)-benzene			Altschuh et al. (1999)	M	169
$C_6H_5CH_2OH$	6.2×10^{-2}		Mackay et al. (2006c)	V	
(benzyl alcohol)	6.2×10^{-2}		Mackay et al. (1995)	V	
[100-51-6]	2.9×10^{1}		Abraham et al. (1994)	R	
	2.5×10^{1}		Howard (1993)	X	161
	2.2×10^{1}		Hilal et al. (2008)	Q	
	6.9×10^{1}		Nirmalakhandan et al. (1997)	Q	
	8.9×10^{1}		Saxena and Hildemann (1996)	E	156
	1.8×10^{1}		Abraham et al. (1990)	?	
1-hydroxy-2-methylbenzene	4.2	8500	Feigenbrugel et al. (2004b)	M	
$HOC_6H_4CH_3$	1.1×10^{1}	6700	Harrison et al. (2002)	M	
(2-cresol; *o*-cresol)	6.3		Altschuh et al. (1999)	M	
[95-48-7]	5.6	5800	Dohnal and Fenclová (1995)	M	
	7.1		Tremp et al. (1993)	M	9
	8.2	7300	Parsons et al. (1972)	M	167
			Mackay et al. (2006c)	V	170

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	6.2		Lide and Frederikse (1995)	V	
	6.4		Mackay et al. (1995)	V	
	3.5×10^{1}		Leuenberger et al. (1985)	V	166
	2.6	4600	Janini and Quaddora (1986)	X	122
	6.2		Howard (1989)	X	168
	8.2		Gaffney and Senum (1984)	X	151
	8.3		Schüürmann (2000)	C	11
	5.3		Hilal et al. (2008)	Q	
		6500	Kühne et al. (2005)	Q	
	7.2		Nirmalakhandan and Speece (1988a)	Q	
		8100	Kühne et al. (2005)	?	
	1.2×10^{1}		Yaws and Yang (1992)	?	98, 9
	8.0		Abraham et al. (1990)	?	
1-hydroxy-3-methylbenzene	7.9	9000	Feigenbrugel et al. (2004b)	M	
$HOC_6H_4CH_3$	1.2×10^{1}		Altschuh et al. (1999)	M	
(3-cresol; *m*-cresol)	1.2×10^{1}	6000	Dohnal and Fenclová (1995)	M	
[108-39-4]	1.3×10^{1}		Mackay et al. (2006c)	V	
	1.2×10^{1}		Schüürmann (2000)	V	
	1.1×10^{1}		Lide and Frederikse (1995)	V	
	1.1×10^{1}		Mackay et al. (1995)	V	
	1.1×10^{1}		Meylan and Howard (1991)	V	
	4.9×10^{1}		Leuenberger et al. (1985)	V	166
	6.1	7700	Janini and Quaddora (1986)	X	122
	1.1×10^{1}		Howard (1989)	X	168
	3.9		Hilal et al. (2008)	Q	
		6500	Kühne et al. (2005)	Q	
	1.6×10^{1}		Meylan and Howard (1991)	Q	
		6500	Kühne et al. (2005)	?	
	1.4×10^{1}		Yaws and Yang (1992)	?	98, 9

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	4.3		Abraham et al. (1990)	?	
1-hydroxy-4-methylbenzene	1.0×10^{1}	9300	Feigenbrugel et al. (2004b)	M	
$HOC_6H_4CH_3$			Altschuh et al. (1999)	M	171
(4-cresol; *p*-cresol)	1.3×10^{1}	6100	Dohnal and Fenclová (1995)	M	
[106-44-5]	1.3×10^{1}		Tremp et al. (1993)	M	9
	1.3×10^{1}	7200	Parsons et al. (1972)	M	167
	1.8×10^{1}		Mackay et al. (2006c)	V	
	1.0×10^{1}		Lide and Frederikse (1995)	V	
	1.5×10^{1}		Mackay et al. (1995)	V	
	4.5×10^{1}		Leuenberger et al. (1985)	V	166
	5.2	4600	Janini and Quaddora (1986)	X	122
	1.0×10^{1}		Howard (1989)	X	168
	9.9		Gaffney and Senum (1984)	X	151
	1.3×10^{1}		Schüürmann (2000)	C	11
	4.2		Hilal et al. (2008)	Q	
		6500	Kühne et al. (2005)	Q	
	7.0		Nirmalakhandan and Speece (1988a)	Q	
		6000	Kühne et al. (2005)	?	
	2.5×10^{1}		Yaws and Yang (1992)	?	98, 9
	1.3×10^{1}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-hydroxy-2,3-dimethylbenzene	9.3		Sheikheldin et al. (2001)	M	9
$C_8H_{10}O$	1.0×10^{1}	6800	Dohnal and Fenclová (1995)	M	
(2,3-xylenol; 2,3-dimethylphenol)	1.8×10^{1}		Mackay et al. (2006c)	V	
[526-75-0]	1.9×10^{1}		Mackay et al. (1995)	V	
	4.9×10^{1}		Leuenberger et al. (1985)	V	166
	1.3×10^{1}		Abraham et al. (1994)	R	
	5.8		Hilal et al. (2008)	Q	
	4.6×10^{1}		Nirmalakhandan et al. (1997)	Q	
1-hydroxy-2,4-dimethylbenzene	6.6		Sheikheldin et al. (2001)	M	9
$C_8H_{10}O$	4.9	6100	Dohnal and Fenclová (1995)	M	
(2,4-xylenol; 2,4-dimethylphenol)	1.9×10^{-3}	-3300	Ashworth et al. (1988)	M	109
[105-67-9]	5.5		Mackay et al. (2006c)	V	
	1.6×10^{1}		Lide and Frederikse (1995)	V	
	5.5		Mackay et al. (1995)	V	
	5.5×10^{-1}		Hwang et al. (1992)	V	
	4.9		Meylan and Howard (1991)	V	
	1.6×10^{1}		Leuenberger et al. (1985)	V	166
	1.0×10^{1}		Abraham et al. (1994)	R	
	4.1	6600	Goldstein (1982)	X	122
	1.6×10^{1}		Howard (1989)	X	168
	5.4×10^{-1}		Ryan et al. (1988)	C	
	1.7×10^{1}		Petrasek et al. (1983)	C	
	5.1		Hilal et al. (2008)	Q	
	4.6×10^{1}		Nirmalakhandan et al. (1997)	Q	
	1.4×10^{1}		Meylan and Howard (1991)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-hydroxy-2,5-dimethylbenzene	7.5	6800	Dohnal and Fenclová (1995)	M	
$C_8H_{10}O$	7.5		Mackay et al. (2006c)	V	
(2,5-xylenol; 2,5-dimethylphenol)	7.4		Mackay et al. (1995)	V	
[95-87-4]	3.8×10^{1}		Leuenberger et al. (1985)	V	166
	8.8		Abraham et al. (1994)	R	
	5.2		Hilal et al. (2008)	Q	
	4.6×10^{1}		Nirmalakhandan et al. (1997)	Q	
1-hydroxy-2,6-dimethylbenzene	2.3	6200	Dohnal and Fenclová (1995)	M	
$C_8H_{10}O$	1.3		Hawthorne et al. (1985)	M	
(2,6-xylenol; 2,6-dimethylphenol)	2.5		Mackay et al. (2006c)	V	
[576-26-1]	2.6		Mackay et al. (1995)	V	
	2.6		Shiu et al. (1994)	V	
	5.2		Leuenberger et al. (1985)	V	166
	2.9		Abraham et al. (1994)	R	
	9.2		Hilal et al. (2008)	Q	
	4.6×10^{1}		Nirmalakhandan et al. (1997)	Q	
1-hydroxy-3,4-dimethylbenzene	2.4×10^{1}	7100	Dohnal and Fenclová (1995)	M	
$C_8H_{10}O$	4.6×10^{1}		Mackay et al. (2006c)	V	
(3,4-xylenol; 3,4-dimethylphenol)	4.7×10^{1}		Mackay et al. (1995)	V	
[95-65-8]	4.7×10^{1}		Shiu et al. (1994)	V	
	1.1×10^{2}		Leuenberger et al. (1985)	V	166
	2.4×10^{1}		Abraham et al. (1994)	R	
	4.4		Hilal et al. (2008)	Q	
	4.6×10^{1}		Nirmalakhandan et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-hydroxy-3,5-dimethylbenzene	1.6×10^{1}	6900	Dohnal and Fenclová (1995)	M	
$C_8H_{10}O$	2.8×10^{1}		Mackay et al. (2006c)	V	
(3,5-xylenol; 3,5-dimethylphenol)	3.1×10^{1}		Mackay et al. (1995)	V	
[108-68-9]	2.5×10^{1}		Shiu et al. (1994)	V	
	6.2×10^{1}		Leuenberger et al. (1985)	V	166
	1.6×10^{1}		Abraham et al. (1994)	R	
	3.2		Hilal et al. (2008)	Q	
	4.6×10^{1}		Nirmalakhandan et al. (1997)	Q	
2,3,5-trimethylphenol	1.2×10^{1}		Mackay et al. (2006c)	V	
$C_9H_{12}O$	1.2×10^{1}		Mackay et al. (1995)	V	
[697-82-5]					
2,4,6-trimethylphenol	1.3		Mackay et al. (2006c)	V	
$C_9H_{12}O$	1.4		Mackay et al. (1995)	V	
[527-60-6]	9.2		Hilal et al. (2008)	Q	
3,4,5-trimethylphenol	3.4×10^{1}		Mackay et al. (2006c)	V	
$C_9H_{12}O$	3.8×10^{1}		Mackay et al. (1995)	V	
[527-54-8]					
1-hydroxy-2-ethylbenzene	5.6		Mackay et al. (2006c)	V	
$C_8H_{10}O$ (2-ethylphenol) [90-00-6]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-hydroxy-3-ethylbenzene	4.9		Karl et al. (2003)	M	
$C_8H_{10}O$	1.6×10^{1}		Abraham et al. (1994)	R	
(3-ethylphenol)	3.4		Hilal et al. (2008)	Q	
[620-17-7]	5.4×10^{1}		Nirmalakhandan et al. (1997)	Q	
1-hydroxy-4-ethylbenzene	2.1×10^{1}		Mackay et al. (2006c)	V	
$C_8H_{10}O$	1.3×10^{1}		Abraham et al. (1994)	R	
(4-ethylphenol)	3.8		Hilal et al. (2008)	Q	
[123-07-9]	5.4×10^{1}		Nirmalakhandan et al. (1997)	Q	
1-hydroxy-4-propylbenzene	1.7		Mackay et al. (2006c)	V	
$C_9H_{12}O$	8.6		Abraham et al. (1994)	R	
(4-propylphenol)	3.1		Hilal et al. (2008)	Q	
[645-56-7]	4.3×10^{1}		Nirmalakhandan et al. (1997)	Q	
2-(1-methylethyl)-phenol	2.6		Mackay et al. (2006c)	V	
$C_9H_{12}O$	2.8		Hilal et al. (2008)	Q	
[88-69-7]					
3-methyl-5-ethylphenol	2.9		Hilal et al. (2008)	Q	
$C_9H_{12}O$					
[698-71-5]					
2,3,6-trimethylphenol	1.1×10^{1}		Hilal et al. (2008)	Q	
$C_9H_{12}O$					
[2416-94-6]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-(1-methylpropyl)-phenol	3.6		Mackay et al. (2006c)	V	
$C_{10}H_{14}O$ (4-*sec*-butylphenol) [99-71-8]	4.3		Mackay et al. (1995)	V	
4-*tert*-butylphenol	8.9	7700	Parsons et al. (1972)	M	167
$C_{10}H_{14}O$	1.6×10^{1}		Mackay et al. (2006c)	V	
[98-54-4]	2.1×10^{1}		Mackay et al. (1995)	V	
	2.1		Hilal et al. (2008)	Q	
	2.4×10^{1}		Nirmalakhandan et al. (1997)	Q	
	2.7		Nirmalakhandan and Speece (1988a)	Q	
	1.5×10^{-1}		Betterton (1992)	?	172
	8.8		Abraham et al. (1990)	?	
2-methyl-5-(1-methylethyl)-phenol $C_{10}H_{14}O$ (carvacrol) [499-75-2]	2.4	9300	van Roon et al. (2005)	V	
5-methyl-2-(1-methylethyl)-phenol	3.0	9300	van Roon et al. (2005)	V	
$C_{10}H_{14}O$ (thymol) [89-83-8]	2.8		Hilal et al. (2008)	Q	
1-hydroxy-4-octylbenzene	1.3		Mackay et al. (2006c)	V	
$C_{14}H_{22}O$ (4-octylphenol) [1806-26-4]	2.0		Mackay et al. (1995)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-hydroxy-4-nonylbenzene	3.6×10^{-1}		Mackay et al. (2006c)	V	
$C_{15}H_{24}O$ (4-nonylphenol) [104-40-5]	6.4×10^{-1}		Mackay et al. (1995)	V	
4-(1,1,3,3-tetramethylbutyl)-phenol	2.3	9000	Xie et al. (2004)	M	
$C_{14}H_{22}O$	2.2		Zhang et al. (2010)	Q	113, 114
(*p*-*tert*-octylphenol)	2.3		Zhang et al. (2010)	Q	113, 115
[140-66-9]	1.0×10^{1}		Zhang et al. (2010)	Q	113, 116
	1.8		Zhang et al. (2010)	Q	113, 117
2,6-bis(1,1-dimethylethyl)-4-methylphenol $C_{15}H_{24}O$ (butylated hydroxy-toluene; BHT) [128-37-0]	2.9×10^{-3}		Yoshida et al. (1983)	V	
4-(3',5'-dimethyl-3'-heptyl)-phenol(+) $C_{15}H_{24}O$	2.9	8700	Xie et al. (2004)	M	
4-(3',5'-dimethyl-3'-heptyl)-phenol(-) $C_{15}H_{24}O$	3.3	8600	Xie et al. (2004)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-phenylethanol			Altschuh et al. (1999)	M	173
$C_8H_{10}O$	3.9×10^{1}		Abraham et al. (1994)	R	
[60-12-8]	1.9×10^{1}		Hilal et al. (2008)	Q	
	2.4×10^{-1}		Emel'yanenko et al. (2007)	Q	163
	2.4×10^{-1}		Hertel and Sommer (2005)	Q	163
	5.3×10^{1}		Nirmalakhandan et al. (1997)	Q	
3-phenyl-1-propanol			Altschuh et al. (1999)	M	174
$C_9H_{12}O$	4.8×10^{1}		Abraham et al. (1994)	R	
[122-97-4]	1.4×10^{1}		Hilal et al. (2008)	Q	
	4.2×10^{1}		Nirmalakhandan et al. (1997)	Q	
4-phenyl-1-butanol			Altschuh et al. (1999)	M	175
$C_{10}H_{14}O$	1.2×10^{1}		Hilal et al. (2008)	Q	
[3360-41-6]					
1-naphthalenol	2.9×10^{1}		Mackay et al. (2006c)	V	
$C_{10}H_8O$	1.7×10^{2}		Abraham et al. (1994)	R	
(1-naphthol)	6.9×10^{1}		Hilal et al. (2008)	Q	
[90-15-3]	1.5×10^{3}		Nirmalakhandan et al. (1997)	Q	
2-naphthalenol	1.1×10^{2}		Mackay et al. (2006c)	V	
$C_{10}H_8O$	3.6×10^{2}		Abraham et al. (1994)	R	
(2-naphthol)	7.0×10^{1}		Hilal et al. (2008)	Q	
[135-19-3]		7400	Kühne et al. (2005)	Q	
	1.7×10^{3}		Nirmalakhandan et al. (1997)	Q	
		7200	Kühne et al. (2005)	?	
o-hydroxybiphenyl	2.9×10^{-1}		Mackay et al. (2006c)	V	
$C_{12}H_{10}O$	3.1×10^{1}		Hilal et al. (2008)	Q	
[90-43-7]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
p-hydroxybiphenyl	1.6×10^{-1}		Mackay et al. (2006c)	V	
$C_{12}H_{10}O$					
[92-69-3]					
2,4,6-tris(1,1-dimethylethyl)phenol	1.0		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{30}O$	5.6×10^{-2}		Zhang et al. (2010)	Q	113, 115
[732-26-3]	3.3×10^{-2}		Zhang et al. (2010)	Q	113, 116
	5.3×10^{-2}		Zhang et al. (2010)	Q	113, 117
dehydroabietol	8.4		Zhang et al. (2010)	Q	113, 114
$C_{20}H_{30}O$	1.8×10^{2}		Zhang et al. (2010)	Q	113, 115
[3772-55-2]	2.4×10^{1}		Zhang et al. (2010)	Q	113, 116
	7.2×10^{-1}		Zhang et al. (2010)	Q	113, 117
2,4-dinonylphenol	1.6×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{24}H_{42}O$	3.8×10^{-1}		Zhang et al. (2010)	Q	113, 115
[137-99-5]	7.0×10^{-1}		Zhang et al. (2010)	Q	113, 116
	2.5×10^{-1}		Zhang et al. (2010)	Q	113, 117
Polyols ($R(OH)_n$)					
1,2-ethanediol	4.0×10^{3}		Bone et al. (1983)	M	9
$HO(CH_2)_2OH$	1.6×10^{2}		Butler and Ramchandani (1935)	M	176
(ethylene glycol)	5.0×10^{3}		Hwang et al. (1992)	V	
[107-21-1]	7.2×10^{2}		Hilal et al. (2008)	Q	
1,2-propanediol			Saxena and Hildemann (1996)	E	156, 177
$C_3H_8O_2$					
[57-55-6]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,3-propanediol	9.1×10^{3}		Bone et al. (1983)	M	9
$C_3H_8O_2$	4.0×10^{2}		Hilal et al. (2008)	Q	
[504-63-2]					
1,2,3-propanetriol	5.8×10^{2}		Butler and Ramchandani (1935)	M	176
$C_3H_8O_3$	5.0×10^{6}		Hwang et al. (1992)	V	
(glycerol)			Saxena and Hildemann (1996)	E	156, 178
[56-81-5]					
1,2-butanediol			Altschuh et al. (1999)	M	179
$C_4H_{10}O_2$					
[584-03-2]					
1,3-butanediol	4.9×10^{4}		Saxena and Hildemann (1996)	E	156
$C_4H_{10}O_2$					
[107-88-0]					
1,4-butanediol			Altschuh et al. (1999)	M	180
$C_4H_{10}O_2$	8.0×10^{3}		Hilal et al. (2008)	Q	
[110-63-4]			Saxena and Hildemann (1996)	E	156, 181
2,3-butanediol			Saxena and Hildemann (1996)	E	156, 182
$C_4H_{10}O_2$					
[513-85-9]					
1,2,3-butanetriol	3.0×10^{9}		Saxena and Hildemann (1996)	E	156
$C_4H_{10}O_3$					
[4435-50-1]					
1,2,4-butanetriol	3.0×10^{9}		Saxena and Hildemann (1996)	E	156
$C_4H_{10}O_3$					
[3068-00-6]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3,4-butanetetrol	2.0×10^{14}		Saxena and Hildemann (1996)	E	156
$C_4H_{10}O_4$					
(1,2,3,4-tetrahydroxy butane)					
[149-32-6]					
1,5-pentanediol	7.7×10^{3}		Hilal et al. (2008)	Q	
$C_5H_{12}O_2$	3.9×10^{4}		Saxena and Hildemann (1996)	E	156
[111-29-5]					
2,3-pentanediol	3.0×10^{4}		Saxena and Hildemann (1996)	E	156
$C_5H_{12}O_2$					
[42027-23-6]					
2,4-pentanediol	3.0×10^{4}		Saxena and Hildemann (1996)	E	156
$C_5H_{12}O_2$					
[625-69-4]					
1,2,3,4,5-pentanepentol	8.9×10^{18}		Saxena and Hildemann (1996)	E	156
$C_5H_{12}O_5$					
(1,2,3,4,5-pentahydroxy pentane)					
[488-81-3]					
1,6-hexanediol	3.0×10^{4}		Saxena and Hildemann (1996)	E	156
$C_6H_{14}O_2$					
[629-11-8]					
2,5-hexanediol	2.0×10^{4}		Saxena and Hildemann (1996)	E	156
$C_6H_{14}O_2$					
[2935-44-6]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methyl-1,3-pentanediol $C_6H_{14}O_2$ [149-31-5]	3.0×10^{4}		Saxena and Hildemann (1996)	E	156
2-methyl-2,4-pentanediol $C_6H_{14}O_2$ [107-41-5]	2.0×10^{4}		Saxena and Hildemann (1996)	E	156
1,2,6-hexanetriol $C_6H_{14}O_3$ [106-69-4]	2.0×10^{9}		Saxena and Hildemann (1996)	E	156
1,2,3,4,5,6-hexahydroxy hexane $C_6H_{14}O_6$ [69-65-8]	3.9×10^{23}		Saxena and Hildemann (1996)	E	156
1,2,4,5-cyclohexanetetrol $C_6H_{12}O_4$ (1,2,4,5-tetrahydroxycyclohexane) [35652-37-0]	3.9×10^{14}		Saxena and Hildemann (1996)	E	156
1,2,3,4,5,6-hexahydroxycyclohexane $C_6H_{12}O_6$ [87-89-8]	9.9×10^{23}		Saxena and Hildemann (1996)	E	156
1,7-heptanediol $C_7H_{16}O_2$ [629-30-1]	2.0×10^{4}		Saxena and Hildemann (1996)	E	156

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4-heptanediol $C_7H_{16}O_2$ [20748-86-1]	2.0×10^{4}		Saxena and Hildemann (1996)	E	156
2,2-diethyl-1,3-propanediol $C_7H_{16}O_2$ [115-76-4]	2.0×10^{4}		Saxena and Hildemann (1996)	E	156
2-ethyl-1,3-hexanediol $C_8H_{18}O_2$ [94-96-2]	1.1×10^{2} 2.0×10^{4}		Hilal et al. (2008) Saxena and Hildemann (1996)	Q E	 156
1,2,3,4,5-pentahydroxyheptane $C_7H_{16}O_5$	4.9×10^{18}		Saxena and Hildemann (1996)	E	156
1,2,3,4,6-pentahydroxyheptane $C_7H_{16}O_5$	3.9×10^{18}		Saxena and Hildemann (1996)	E	156
1,2,3,5,7-pentahydroxyheptane $C_7H_{16}O_5$	4.9×10^{18}		Saxena and Hildemann (1996)	E	156
1,2,3,4,5,6-hexahydroxyheptane $C_7H_{16}O_6$ (1-deoxy-heptitol) [688007-16-1]	3.0×10^{23}		Saxena and Hildemann (1996)	E	156

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,5-dimethyl-2,5-hexanediol	1.4×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_8H_{18}O_2$	1.9×10^{3}		Zhang et al. (2010)	Q	113, 115
[110-03-2]	7.9×10^{2}		Zhang et al. (2010)	Q	113, 116
	4.7×10^{1}		Zhang et al. (2010)	Q	113, 117
2-butene-1,4-diol $C_4H_8O_2$ [110-64-5]			Altschuh et al. (1999)	M	183
2-butyne-1,4-diol $C_4H_6O_2$ (1,4-dihydroxy-2-butyne) [110-65-6]			Altschuh et al. (1999)	M	184
1,2-dihydroxybenzene	1.8×10^{3}		Mackay et al. (2006c)	V	
$C_6H_4(OH)_2$	1.6×10^{2}		Schüürmann (2000)	V	
(pyrocatechol)	4.5×10^{1}		Mackay et al. (1995)	V	
[120-80-9]	1.2×10^{3}		Hilal et al. (2008)	Q	
		8300	Kühne et al. (2005)	Q	
		7400	Kühne et al. (2005)	?	
1,3-dihydroxybenzene	8.5×10^{4}		Mackay et al. (2006c)	V	
$C_6H_4(OH)_2$	5.0×10^{3}		Schüürmann (2000)	V	
(resorcinol)	6.4×10^{4}		Goldstein (1982)	X	158
[108-46-3]	8.1×10^{4}	6300	Goldstein (1982)	X	122
	5.3×10^{4}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,4-dihydroxybenzene	2.5×10^{5}		Mackay et al. (2006c)	V	
$C_6H_4(OH)_2$	3.2×10^{4}		Schüürmann (2000)	V	
(hydroquinone)	2.5×10^{5}		Mackay et al. (1995)	V	
[123-31-9]	2.6×10^{5}		Meylan and Howard (1991)	V	
	3.7×10^{4}		Hilal et al. (2008)	Q	
		8300	Kühne et al. (2005)	Q	
	1.7×10^{5}		Meylan and Howard (1991)	Q	
		7700	Kühne et al. (2005)	?	
2,2',3,3'-tetrahydro-3,3,3',3'-tetramethyl-1,1'-spirobi(1H-indene)-6,6'-diol	1.5×10^{6}		Zhang et al. (2010)	Q	113, 114
$C_{21}H_{24}O_2$	1.0×10^{6}		Zhang et al. (2010)	Q	113, 115
[1568-80-5]	2.2×10^{6}		Zhang et al. (2010)	Q	113, 116
	8.2×10^{5}		Zhang et al. (2010)	Q	113, 117
4,4'-(3,3,5-trimethylcyclohexane-1,1-diyl)diphenol	4.4×10^{5}		Zhang et al. (2010)	Q	113, 114
$C_{21}H_{26}O_2$	3.2×10^{5}		Zhang et al. (2010)	Q	113, 115
[129188-99-4]	2.7×10^{6}		Zhang et al. (2010)	Q	113, 116
	7.9×10^{5}		Zhang et al. (2010)	Q	113, 117
3,3,3',3'-tetramethyl-1,1'-spirobi(indan)-5,5',6,6'-tetrol	1.4×10^{14}		Zhang et al. (2010)	Q	113, 114
$C_{21}H_{24}O_4$	1.6×10^{10}		Zhang et al. (2010)	Q	113, 115
[77-08-7]	2.0×10^{11}		Zhang et al. (2010)	Q	113, 116
	2.7×10^{10}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
9,9-bis(4-hydroxyphenyl)fluorene	8.4×10^{8}		Zhang et al. (2010)	Q	113, 114
$C_{25}H_{18}O_2$	6.2×10^{7}		Zhang et al. (2010)	Q	113, 115
[3236-71-3]	2.1×10^{8}		Zhang et al. (2010)	Q	113, 116
	3.1×10^{9}		Zhang et al. (2010)	Q	113, 117
Peroxides (ROOH) and peroxy radicals (ROO)					
methyl hydroperoxide	2.9	5200	Warneck and Williams (2012)	L	
CH_3OOH	3.0	5300	Sander et al. (2011)	L	
(methylperoxide)	3.0	5300	Sander et al. (2006)	L	
[3031-73-0]	3.1	5300	Staudinger and Roberts (2001)	L	
	2.5	4400	Lia et al. (2004)	M	
	1.2×10^{1}		Sauer (1997)	M	185
	3.1	5200	O'Sullivan et al. (1996)	M	
	3.0	5300	Lind and Kok (1994)	M	17
	9.0×10^{-1}		Hilal et al. (2008)	Q	
		6200	Kühne et al. (2005)	Q	
		5200	Kühne et al. (2005)	?	
ethyl hydroperoxide	3.3	6000	Sander et al. (2011)	L	
C_2H_5OOH	1.1×10^{1}		Sauer (1997)	M	185
(ethylperoxide)	3.3	6000	O'Sullivan et al. (1996)	M	
[3031-74-1]	5.8×10^{-1}		Hilal et al. (2008)	Q	
		6600	Kühne et al. (2005)	Q	
		6000	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
hydroxymethyl hydroperoxide	1.7×10^{4}	9900	Sander et al. (2011)	L	
$HOCH_2OOH$	1.7×10^{4}	9900	Sander et al. (2006)	L	
(HMHP; HMP)	1.6×10^{4}	10000	Staudinger and Roberts (2001)	L	
[15932-89-5]	1.6×10^{4}	9700	O'Sullivan et al. (1996)	M	
	1.6×10^{4}	10000	Staffelbach and Kok (1993)	M	
	4.7×10^{3}	1500	Zhou and Lee (1992)	M	
		8600	Kühne et al. (2005)	Q	
		10000	Kühne et al. (2005)	?	
bis-(hydroxymethyl)-peroxide			Staffelbach and Kok (1993)	M	186
$HOCH_2OOCH_2OH$	4.4×10^{3}	8400	Zhou and Lee (1992)	M	
(BHMP)		9400	Kühne et al. (2005)	Q	
[17088-73-2]		8500	Kühne et al. (2005)	?	
di-*tert*-butylperoxide $C_8H_{18}O_2$ [110-05-4]	1.2×10^{-4}		Hilal et al. (2008)	Q	
1-methyl-1-phenylethylhydroperoxide $C_9H_{12}O_2$ [80-15-9]	2.3		Hilal et al. (2008)	Q	
methylperoxy radical	1.5×10^{-1}	3700	Leriche et al. (2000)	E	187
CH_3OO			Lelieveld and Crutzen (1991)	E	188
[2143-58-0]	5.9×10^{-2}	5600	Jacob (1986)	E	189
hydroxymethylperoxy radical $HOCH_2OO$ [27828-51-9]	7.9×10^{2}	8200	Leriche et al. (2000)	E	187

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
peroxyacetyl radical			Sander et al. (2011)	L	190
$CH_3C(O)O_2$			Sander et al. (2006)	L	190
[36709-10-1]			Villalta et al. (1996)	M	190
Aldehydes (RCHO)					
methanal	3.2×10^{1}	6800	Warneck and Williams (2012)	L	191
HCHO	3.2×10^{1}	7100	Sander et al. (2011)	L	191
(formaldehyde)	3.2×10^{1}	7100	Sander et al. (2006)	L	191
[50-00-0]	3.2×10^{1}	6800	Staudinger and Roberts (2001)	L	191
	3.2×10^{1}	6800	Staudinger and Roberts (1996)	L	191
	3.4×10^{1}	6400	Allou et al. (2011)	M	191
	5.3×10^{1}	1600	Seyfioglu and Odabasi (2007)	M	191
	9.9×10^{1}		Kim et al. (2000)	M	30, 191
	3.1×10^{1}	6500	Zhou and Mopper (1990)	M	192, 191
	3.1×10^{1}	7200	Betterton and Hoffmann (1988)	M	193, 191
			Dong and Dasgupta (1986)	M	194
			Ledbury and Blair (1925)	M	195
			Blair and Ledbury (1925)	M	195
	3.0×10^{1}		Lide and Frederikse (1995)	V	191
	2.3		Hwang et al. (1992)	V	191
	6.9×10^{1}	6400	Chameides (1984)	T	191
	2.9×10^{1}	7200	Bell (1966)	X	196, 191
	5.9×10^{1}		Gaffney and Senum (1984)	X	191, 151
	4.5×10^{1}		Lee and Zhou (1993)	C	30, 191
			Lelieveld and Crutzen (1991)	C	195
			Hough (1991)	C	195
			Pandis and Seinfeld (1989)	C	195
	1.4×10^{2}		Warneck (1988)	C	191
	2.8×10^{-2}		Hilal et al. (2008)	Q	
	1.8×10^{-1}		Nirmalakhandan et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.0×10^{2}		Meylan and Howard (1991)	Q	191
	4.2×10^{-2}		Abraham et al. (1990)	?	
	6.2×10^{1}		Seinfeld (1986)	?	11, 191
ethanal	1.3×10^{-1}	5900	Sander et al. (2011)	L	
CH_3CHO	1.3×10^{-1}	5900	Sander et al. (2006)	L	
(acetaldehyde)	1.3×10^{-1}	5700	Staudinger and Roberts (2001)	L	
[75-07-0]	1.4×10^{-1}	5600	Staudinger and Roberts (1996)	L	
	1.5×10^{-1}	6400	Ji and Evans (2007)	M	
	1.1×10^{-1}		Straver and de Loos (2005)	M	
	1.5×10^{-1}		Marin et al. (1999)	M	
	1.3×10^{-1}	5700	Benkelberg et al. (1995)	M	
	1.7×10^{-1}	5000	Zhou and Mopper (1990)	M	192
	7.1×10^{-2}		Guitart et al. (1989)	M	20
	1.2×10^{-1}	6300	Betterton and Hoffmann (1988)	M	193
	1.2×10^{-1}	5800	Snider and Dawson (1985)	M	
	2.5×10^{-1}		Vitenberg et al. (1974)	M	148
	1.5×10^{-1}		Buttery et al. (1969)	M	
	1.2×10^{-1}		Marin et al. (1999)	V	
	1.2×10^{-1}		Hwang et al. (1992)	V	
	1.7×10^{-2}	4500	Janini and Quaddora (1986)	X	122
	1.7×10^{-1}	4700	Goldstein (1982)	X	122
	1.5×10^{-1}		Gaffney and Senum (1984)	X	151
	1.5×10^{-1}		Pierotti et al. (1959)	X	197
	1.1×10^{-1}		Hilal et al. (2008)	Q	
		5200	Kühne et al. (2005)	Q	
	1.4×10^{-1}		Marin et al. (1999)	Q	
	1.5×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	1.5×10^{-1}		Mackay et al. (2006c)	?	11

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		5800	Kühne et al. (2005)	?	
	9.8×10^{-2}		Yaws and Yang (1992)	?	98
	1.5×10^{-1}		Abraham et al. (1990)	?	
propanal	9.9×10^{-2}	4300	Sander et al. (2011)	L	
C_2H_5CHO	9.9×10^{-2}	4300	Sander et al. (2006)	L	
(propionaldehyde)	9.1×10^{-2}		Kim and Kim (2014)	M	
[123-38-6]	1.3×10^{-1}	5800	Ji and Evans (2007)	M	
	1.3×10^{-1}	5700	Zhou and Mopper (1990)	M	192
	1.3×10^{-1}		Buttery et al. (1969)	M	
	1.3×10^{-1}		Mackay et al. (2006c)	V	
	1.3×10^{-2}		Mackay et al. (1995)	V	
	1.6×10^{-1}		Amoore and Buttery (1978)	V	
	5.2×10^{-2}	5600	Schaffer and Daubert (1969)	X	122
	2.7×10^{-2}	2400	Janini and Quaddora (1986)	X	122
	1.2×10^{-1}		Hilal et al. (2008)	Q	
		5500	Kühne et al. (2005)	Q	
	1.2×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	1.3×10^{-1}		Mackay et al. (2006c)	?	11
		5000	Kühne et al. (2005)	?	
	1.3×10^{-1}		Abraham et al. (1990)	?	
butanal	9.5×10^{-2}	6200	Sander et al. (2011)	L	
C_3H_7CHO	9.5×10^{-2}	6200	Sander et al. (2006)	L	
(butyraldehyde)	6.1×10^{-2}		Kim and Kim (2014)	M	
[123-72-8]	8.9×10^{-2}	6200	Ji and Evans (2007)	M	
	9.5×10^{-2}	6200	Zhou and Mopper (1990)	M	192
	8.6×10^{-2}		Buttery et al. (1969)	M	
	6.5×10^{-2}		Mackay et al. (2006c)	V	
	6.5×10^{-2}		Mackay et al. (1995)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.0×10^{-1}		Hwang et al. (1992)	V	
	6.7×10^{-2}		Amoore and Buttery (1978)	V	
	5.4×10^{-2}	4000	Janini and Quaddora (1986)	X	122
	9.0×10^{-2}		Hilal et al. (2008)	Q	
		5900	Kühne et al. (2005)	Q	
	9.5×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	8.6×10^{-2}		Mackay et al. (2006c)	?	11
		6400	Kühne et al. (2005)	?	
	8.6×10^{-2}		Abraham et al. (1990)	?	
2-methylpropanal	5.9×10^{-3}	4500	Strekowski and George (2005)	M	
C_4H_8O	3.3×10^{-2}		Karl et al. (2003)	M	
(isobutyraldehyde)	3.4×10^{-2}		Pollien et al. (2003)	M	
[78-84-2]	5.0×10^{-2}		Amoore and Buttery (1978)	M	
	6.7×10^{-2}		Amoore and Buttery (1978)	V	
	7.0×10^{-2}		Hilal et al. (2008)	Q	
		5000	Kühne et al. (2005)	Q	
	8.2×10^{-2}		Nirmalakhandan et al. (1997)	Q	
		5100	Kühne et al. (2005)	?	
	5.1×10^{-2}		Abraham et al. (1990)	?	
pentanal	3.9×10^{-2}		Kim and Kim (2014)	M	
C_4H_9CHO	7.1×10^{-2}	6100	Ji and Evans (2007)	M	
(valeraldehyde)	6.3×10^{-2}	6300	Zhou and Mopper (1990)	M	192
[110-62-3]	6.7×10^{-2}		Buttery et al. (1969)	M	
	6.4×10^{-2}		Amoore and Buttery (1978)	V	
	7.2×10^{-2}		Hilal et al. (2008)	Q	
		6200	Kühne et al. (2005)	Q	
	7.3×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	6.2×10^{-2}		Meylan and Howard (1991)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	6.7×10^{-2}		Mackay et al. (2006c)	?	11
		5500	Kühne et al. (2005)	?	
	4.4×10^{-2}		Yaws and Yang (1992)	?	98, 24
	6.7×10^{-2}		Abraham et al. (1990)	?	
2-methylbutanal	2.3×10^{-2}		Pollien et al. (2003)	M	
$C_5H_{10}O$	9.5×10^{-3}		Hertel et al. (2007)	Q	198
[96-17-3]					
3-methylbutanal	2.1×10^{-2}		Kim and Kim (2014)	M	
$C_5H_{10}O$	2.6×10^{-2}		Pollien et al. (2003)	M	
(isovaleraldehyde)	2.0×10^{-2}		Nelson and Hoff (1968)	M	121
[590-86-3]	7.3×10^{-2}		Hilal et al. (2008)	Q	
	9.8×10^{-3}		Hertel et al. (2007)	Q	198
hexanal	3.2×10^{-2}		Karl et al. (2003)	M	
$C_5H_{11}CHO$	4.9×10^{-2}	6500	Zhou and Mopper (1990)	M	192
[66-25-1]	4.6×10^{-2}		Buttery et al. (1969)	M	
	3.5×10^{-2}		Amoore and Buttery (1978)	V	
	5.8×10^{-2}		Hilal et al. (2008)	Q	
	1.1×10^{-2}		Hertel et al. (2007)	Q	198
		6600	Kühne et al. (2005)	Q	
	5.8×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	4.6×10^{-2}		Mackay et al. (2006c)	?	11
		6900	Kühne et al. (2005)	?	
	1.9×10^{-2}		Yaws and Yang (1992)	?	98, 24
	4.6×10^{-2}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methylpentanal		5700	Kühne et al. (2005)	Q	
$C_6H_{12}O$		5300	Kühne et al. (2005)	?	
(2-methylvaleraldehyde)					
[123-15-9]					
heptanal	3.3×10^{-2}	7500	Zhou and Mopper (1990)	M	192
$C_6H_{13}CHO$	3.7×10^{-2}		Buttery et al. (1969)	M	
[111-71-7]	5.4×10^{-2}		Amoore and Buttery (1978)	V	
	3.7×10^{-2}		Hilal et al. (2008)	Q	
		6900	Kühne et al. (2005)	Q	
	4.5×10^{-2}		Nirmalakhandan et al. (1997)	Q	
		7100	Kühne et al. (2005)	?	
	2.3×10^{-2}		Yaws and Yang (1992)	?	98, 24
	3.7×10^{-2}		Abraham et al. (1990)	?	
octanal	2.1×10^{-2}		Li and Carr (1993)	M	
$C_7H_{15}CHO$	2.1×10^{-2}	7400	Zhou and Mopper (1990)	M	192
[124-13-0]	1.9×10^{-2}		Buttery et al. (1969)	M	
	2.9×10^{-2}		Amoore and Buttery (1978)	V	
	3.9×10^{-2}		Hilal et al. (2008)	Q	
		7300	Kühne et al. (2005)	Q	
	3.6×10^{-2}		Nirmalakhandan et al. (1997)	Q	
		6200	Kühne et al. (2005)	?	
	2.0		Yaws and Yang (1992)	?	98, 24
	1.9×10^{-2}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
nonanal	1.0×10^{-2}	6700	Zhou and Mopper (1990)	M	192
$C_8H_{17}CHO$	1.3×10^{-2}		Buttery et al. (1969)	M	
[124-19-6]	1.3×10^{-2}		Amoore and Buttery (1978)	V	
	2.4×10^{-2}		Hilal et al. (2008)	Q	
	2.8×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	2.0×10^{-2}		Meylan and Howard (1991)	Q	
	6.9×10^{-3}		Yaws and Yang (1992)	?	98, 24
	1.3×10^{-2}		Abraham et al. (1990)	?	
2-ethylhexanal	2.7×10^{-2}		Hilal et al. (2008)	Q	
$C_8H_{16}O$					
[123-05-7]					
decanal	4.3×10^{-3}		Helburn et al. (2008)	M	
$C_9H_{19}CHO$	6.0×10^{-3}	8700	Zhou and Mopper (1990)	M	192
[112-31-2]	2.6×10^{-2}		Hilal et al. (2008)	Q	
		7900	Kühne et al. (2005)	Q	
		8500	Kühne et al. (2005)	?	
undecanal		8300	Kühne et al. (2005)	Q	
$C_{11}H_{22}O$		8300	Kühne et al. (2005)	?	
[112-44-7]					
propenal	7.2×10^{-2}	5100	Snider and Dawson (1985)	M	
CH_2CHCHO	1.0×10^{-1}		Mackay et al. (2006c)	V	
(acrolein)	2.3		Lide and Frederikse (1995)	V	
[107-02-8]	1.0×10^{-2}		Mackay et al. (1995)	V	
	7.0×10^{-2}		Hwang et al. (1992)	V	
	1.3×10^{-1}		Suntio et al. (1988)	V	9
	1.0×10^{-1}	3800	Goldstein (1982)	X	122
	2.2		Howard (1989)	X	161
	8.1×10^{-2}		Gaffney and Senum (1984)	X	151

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.8×10^{-1}		Suntio et al. (1988)	C	9
	1.4×10^{-1}		Ryan et al. (1988)	C	
	9.5×10^{-2}		Hilal et al. (2008)	Q	
		4600	Kühne et al. (2005)	Q	
	7.5×10^{-2}		Mackay et al. (2006c)	?	11
		3800	Kühne et al. (2005)	?	
2-methylpropenal	4.8×10^{-2}	4300	Ji and Evans (2007)	M	
C_4H_6O	6.4×10^{-2}		Iraci et al. (1999)	M	
(methacrolein)	4.2×10^{-2}	5300	Allen et al. (1998)	M	
[78-85-3]	9.5×10^{-2}		Hilal et al. (2008)	Q	
		4000	Kühne et al. (2005)	Q	
		4800	Kühne et al. (2005)	?	
2-butenal	9.7×10^{-2}		Hilal et al. (2008)	Q	
C_4H_6O	2.7×10^{-1}		Nirmalakhandan et al. (1997)	Q	
[4170-30-3]					
(*E*)-2-butenal	5.0×10^{-1}		Buttery et al. (1971)	M	
$CH_3CHCHCHO$	4.4×10^{-2}		Mackay et al. (2006c)	V	
(crotonaldehyde)	4.4×10^{-2}		Mackay et al. (1995)	V	
[123-73-9]	5.9×10^{-1}	3600	Goldstein (1982)	X	122
	5.0×10^{-1}		Gaffney and Senum (1984)	X	151
		5000	Kühne et al. (2005)	Q	
		4300	Kühne et al. (2005)	?	
	5.1×10^{-1}		Abraham et al. (1990)	?	
2-hexenal	6.2×10^{-2}		Hilal et al. (2008)	Q	
$C_6H_{10}O$	1.7×10^{-1}		Nirmalakhandan et al. (1997)	Q	
[505-57-7]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
(*E*)-2-hexenal $C_3H_7CHCHCHO$ (*trans*-2-hexenal) [6728-26-3]	1.4×10^{-1} 2.0×10^{-1}		Karl et al. (2003) Buttery et al. (1971)	M M	
(*E*,*E*)-2,4-hexadienal $CH_3CHCHCHCHCHO$ (*trans-trans*-2,4-hexadienal) [142-83-6]	1.0 3.9×10^{-1}		Buttery et al. (1971) Hilal et al. (2008)	M Q	
2-heptenal $C_7H_{12}O$ [2463-63-0]	5.0×10^{-2}		Hilal et al. (2008)	Q	
(*Z*)-4-heptenal $C_7H_{12}O$ (*cis*-4-heptenal) [6728-31-0]	8.8×10^{-2}		Straver and de Loos (2005)	M	
2-octenal $C_8H_{14}O$ [2363-89-5]	4.1×10^{-2} 1.0×10^{-1}		Hilal et al. (2008) Nirmalakhandan et al. (1997)	Q Q	
(*E*)-2-octenal $C_5H_{11}CHCHCHO$ (*trans*-2-octenal) [2548-87-0]	1.3×10^{-1}		Buttery et al. (1971) Betterton (1992)	M ?	 7
(*E*)-2-nonenal $C_9H_{16}O$ (*trans*-2-nonenal) [18829-56-6]	5.8×10^{-2}		Roberts and Pollien (1997)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,7-dimethyl-6-octenal $C_{10}H_{18}O$ (citronellal) [106-23-0]	2.5×10^{-2}	4500	van Roon et al. (2005)	V	
benzaldehyde C_6H_5CHO [100-52-7]	3.8×10^{-1} 3.9×10^{-1} 3.2×10^{-1} 3.5×10^{-1} 4.2×10^{-1} 3.7×10^{-1} 1.6×10^{-1} 1.6×10^{-1} 3.6×10^{-1} 3.5×10^{-1} 3.6×10^{-1} 3.7×10^{-1} 7.7×10^{-1} 2.6×10^{-2} 2.6×10^{-2} 7.2×10^{-1} 4.4×10^{-1} 3.6×10^{-1}	5500 4800 6300 7000 4600 5100 5400 5800 5400 	Staudinger and Roberts (2001) Staudinger and Roberts (1996) Allou et al. (2011) Allen et al. (1998) Zhou and Mopper (1990) Betterton and Hoffmann (1988) Mackay et al. (2006c) Mackay et al. (1995) Hine and Mookerjee (1975) Bagno et al. (1991) Gaffney and Senum (1984) Schüürmann (2000) Hilal et al. (2008) Emel'yanenko et al. (2007) Hertel and Sommer (2006) Kühne et al. (2005) Nirmalakhandan et al. (1997) Mackay et al. (2006c) Kühne et al. (2005) Abraham et al. (1990)	L L M M M M V V V T X C Q Q Q Q Q ? ? ?	 192 193 199 151 11 163 163 11
phenylacetaldehyde $C_6H_5CH_2CHO$ [122-78-1]	1.0×10^{-1} 1.0×10^{-1}		Emel'yanenko et al. (2007) Hertel and Sommer (2005)	Q Q	163 163

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-methylbenzaldehyde	5.4×10^{-1}		Abraham et al. (1994)	R	
C_8H_8O	7.9×10^{-1}		Hilal et al. (2008)	Q	
(*p*-tolualdehyde)	5.2×10^{-1}		Nirmalakhandan et al. (1997)	Q	
[104-87-0]					
2-hydroxybenzaldehyde	1.6×10^{1}		Hilal et al. (2008)	Q	
$C_6H_4(OH)CHO$					
(2-formylphenol)					
[90-02-8]					
3-hydroxybenzaldehyde	3.9×10^{3}		Gaffney and Senum (1984)	X	151
$C_6H_4(OH)CHO$	5.3×10^{3}		Hilal et al. (2008)	Q	
(3-formylphenol)	3.0×10^{4}		Nirmalakhandan et al. (1997)	Q	
[100-83-4]	3.8×10^{3}		Abraham et al. (1990)	?	
4-hydroxybenzaldehyde	1.9×10^{4}	8600	Parsons et al. (1971)	T	167
$C_6H_4(OH)CHO$	8.8×10^{2}		Hilal et al. (2008)	Q	
(4-formylphenol)	3.0×10^{4}		Nirmalakhandan et al. (1997)	Q	
[123-08-0]	1.9×10^{4}		Abraham et al. (1990)	?	
3-phenyl-2-propenal	1.4	6300	van Roon et al. (2005)	V	
C_9H_8O					
(cinnamaldehyde)					
[104-55-2]					
ethanedial	4.1×10^{3}	7500	Sander et al. (2011)	L	
OHCCHO	4.1×10^{3}	7500	Ip et al. (2009)	M	
(glyoxal)	2.6×10^{5}		Kroll et al. (2005)	M	
[107-22-2]	3.6×10^{3}		Zhou and Mopper (1990)	M	
			Betterton and Hoffmann (1988)	M	193, 200
	1.4×10^{4}		Lee and Zhou (1993)	C	30

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
pentanedial	3.0×10^{2}	9200	Olson (1998)	M	
$OHC(CH_2)_3CHO$		8800	Kühne et al. (2005)	Q	
(glutaraldehyde)		9100	Kühne et al. (2005)	?	
[111-30-8]					
Ketones (RCOR)					
propanone	2.7×10^{-1}	5500	Sander et al. (2011)	L	
CH_3COCH_3	3.3×10^{-1}	5300	Poulain et al. (2010)	L	
(acetone)	2.8×10^{-1}	5100	Sander et al. (2006)	L	
[67-64-1]	2.6×10^{-1}	5700	Fogg and Sangster (2003)	L	
	2.8×10^{-1}	4800	Staudinger and Roberts (2001)	L	
	3.0×10^{-1}	4600	Staudinger and Roberts (1996)	L	
	2.9×10^{-1}	5100	Poulain et al. (2010)	M	
	2.6×10^{-1}	5400	Ji and Evans (2007)	M	
	2.6×10^{-1}	6400	Strekowski and George (2005)	M	
	2.4×10^{-1}		Straver and de Loos (2005)	M	
	2.4×10^{-1}	4300	Chai et al. (2005)	M	201
	1.0×10^{-1}		Ayuttaya et al. (2001)	M	134
	9.4×10^{-4}		Ayuttaya et al. (2001)	M	135
	5.3×10^{-1}		Ayuttaya et al. (2001)	M	136
	2.7×10^{-1}	5300	Benkelberg et al. (1995)	M	
	2.7×10^{-1}		Hoff et al. (1993)	M	
	3.2×10^{-1}	5800	Betterton (1991)	M	
	3.5×10^{-1}	3800	Zhou and Mopper (1990)	M	192
	1.2×10^{-1}		Guitart et al. (1989)	M	20
	1.4×10^{-1}		Hellmann (1987)	M	30
	2.5×10^{-1}	4800	Snider and Dawson (1985)	M	
	3.2×10^{-1}	5400	Schoene and Steinhanses (1985)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.5×10^{-1}		Sato and Nakajima (1979a)	M	20
	2.5×10^{-1}		Vitenberg et al. (1975)	M	
	2.5×10^{-1}		Vitenberg et al. (1974)	M	
	3.2×10^{-1}		Vitenberg et al. (1974)	M	
	2.5×10^{-1}		Buttery et al. (1969)	M	
	3.1×10^{-1}		Nelson and Hoff (1968)	M	121
	2.8×10^{-1}		Burnett (1963)	M	
	1.8×10^{-2}		Abraham and Acree Jr. (2007)	V	
	2.6×10^{-1}		Hwang et al. (1992)	V	
	2.4×10^{-1}		Rathbun and Tai (1982)	V	
	3.1×10^{-2}		Hine and Weimar (1965)	R	
	3.0×10^{-1}		Butler and Ramchandani (1935)	R	
	2.5×10^{-1}	4900	Bagno et al. (1991)	T	199
	2.2×10^{-1}	5000	Schaffer and Daubert (1969)	X	122
	3.0×10^{-2}	3300	Janini and Quaddora (1986)	X	122
	3.0×10^{-1}		Gaffney and Senum (1984)	X	151
	2.7×10^{-1}		Cabani et al. (1981)	C	
	1.4×10^{-1}		Hilal et al. (2008)	Q	
		5500	Kühne et al. (2005)	Q	
	2.1×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	2.5×10^{-1}		Taft et al. (1985)	Q	
	2.5×10^{-1}		Mackay et al. (2006c)	?	11
		5100	Kühne et al. (2005)	?	
	2.3×10^{-1}		Yaws and Yang (1992)	?	98
	2.5×10^{-1}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
propanone-2-13C CH_3COCH_3 (acetone-2-13C) [3881-06-9]	3.1×10^{-1}	5300	Hiatt (2013)	M	
1-hydroxypropanone CH_3COCH_2OH (hydroxyacetone) [116-09-6]	7.7×10^{1}		Lee and Zhou (1993)	C	30
butanone	1.8×10^{-1}	5700	Sander et al. (2011)	L	
$C_2H_5COCH_3$	1.8×10^{-1}	5700	Sander et al. (2006)	L	
(methyl ethyl ketone; MEK)	1.9×10^{-1}	4600	Fogg and Sangster (2003)	L	
[78-93-3]	1.8×10^{-1}	5400	Staudinger and Roberts (2001)	L	
	2.0×10^{-1}	5000	Staudinger and Roberts (1996)	L	
	1.0×10^{-1}		Kim and Kim (2014)	M	
	9.5×10^{-2}		Helburn et al. (2008)	M	
	2.1×10^{-1}	5200	Ji and Evans (2007)	M	
	2.7×10^{-2}	12000	Strekowski and George (2005)	M	
	1.7×10^{-1}		Straver and de Loos (2005)	M	
	1.5×10^{-1}	4500	Chai et al. (2005)	M	201
			Cheng et al. (2004)	M	128
			Cheng et al. (2003)	M	128
	1.1×10^{-1}		Karl et al. (2003)	M	
	1.6×10^{-1}		Kim et al. (2000)	M	
	1.9×10^{-1}		Chaintreau et al. (1995)	M	
	1.4×10^{-1}	4700	Ettre et al. (1993)	M	131
	1.9×10^{-1}	5000	Zhou and Mopper (1990)	M	192
	6.8×10^{-2}	-5200	Ashworth et al. (1988)	M	109
	1.3×10^{-1}		Hellmann (1987)	M	30

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.8×10^{-1}		Park et al. (1987)	M	
	1.7×10^{-1}	5700	Snider and Dawson (1985)	M	
	1.4×10^{-1}		Hawthorne et al. (1985)	M	
	1.0×10^{-1}		Friant and Suffet (1979)	M	24
	9.8×10^{-2}		Sato and Nakajima (1979a)	M	20
	1.8×10^{-1}		Vitenberg et al. (1975)	M	
	1.1×10^{-1}		Vitenberg et al. (1974)	M	
	1.9×10^{-1}		Rohrschneider (1973)	M	
	2.1×10^{-1}		Buttery et al. (1969)	M	
	1.1×10^{-2}		Abraham and Acree Jr. (2007)	V	
	2.8×10^{-1}		Mackay et al. (2006c)	V	
	2.8×10^{-1}		Mackay et al. (1995)	V	
	2.6×10^{-1}		Hwang et al. (1992)	V	
	1.6×10^{-1}		Rathbun and Tai (1982)	V	
	7.1×10^{-2}		Hine and Weimar (1965)	R	
	2.1×10^{-1}	5500	Bagno et al. (1991)	T	199
		5500	Della Gatta et al. (1981)	T	106
	7.1×10^{-2}	5800	Janini and Quaddora (1986)	X	122
	2.3×10^{-1}		Mackay et al. (1995)	C	
	4.1×10^{-1}		Harrison et al. (1993)	C	
	1.9×10^{-1}		Cabani et al. (1981)	C	
	1.3×10^{-1}		Hilal et al. (2008)	Q	
		5900	Kühne et al. (2005)	Q	
	1.6×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	1.0×10^{-1}		Mackay et al. (2006c)	?	11
		5300	Kühne et al. (2005)	?	
	3.1×10^{-1}		Betterton (1991)	?	
	2.1×10^{-1}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
butanone-1,1,1,3,3-d5 $C_2H_5COCH_3$ (methyl ethyl ketone-d5; MEK-d5) [24313-50-6]	3.7×10^{-1}	8200	Hiatt (2013)	M	
2-pentanone	1.6×10^{-1}	5700	Ji and Evans (2007)	M	
$C_3H_7COCH_3$	8.6×10^{-2}		Straver and de Loos (2005)	M	
[107-87-9]	1.0×10^{-1}	4800	Chai et al. (2005)	M	201
	1.1×10^{-1}		Kim et al. (2000)	M	
	1.2×10^{-1}		Shiu and Mackay (1997)	M	
	9.0×10^{-2}		Hawthorne et al. (1985)	M	
	6.4×10^{-2}		Sato and Nakajima (1979a)	M	20
	1.7×10^{-1}		Vitenberg et al. (1974)	M	
	1.1×10^{-1}		Vitenberg et al. (1974)	M	202
	1.6×10^{-1}		Buttery et al. (1969)	M	
	9.2×10^{-2}		Nelson and Hoff (1968)	M	121
	1.5×10^{-1}		Mackay et al. (2006c)	V	
	1.5×10^{-1}		Shiu and Mackay (1997)	V	
	1.5×10^{-1}		Mackay et al. (1995)	V	
	2.6×10^{-1}		Rathbun and Tai (1982)	V	
	3.1×10^{-1}		Amoore and Buttery (1978)	V	
		5900	Della Gatta et al. (1981)	T	106
	9.1×10^{-2}	4600	Janini and Quaddora (1986)	X	122
	1.7×10^{-1}		Mackay et al. (1995)	C	
	1.0×10^{-1}		Hilal et al. (2008)	Q	
		6200	Kühne et al. (2005)	Q	
	1.2×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	1.6×10^{-1}		Mackay et al. (2006c)	?	11
		6500	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.5×10^{-1}		Abraham et al. (1990)	?	
	3.1×10^{-1}		Mackay and Yeun (1983)	?	
3-pentanone	1.6×10^{-1}	5600	Ji and Evans (2007)	M	
$C_2H_5COC_2H_5$	7.0×10^{-2}		Sato and Nakajima (1979a)	M	20
[96-22-0]	9.7×10^{-5}		Saylor et al. (1938)	M	24
	8.4×10^{-2}		Mackay et al. (2006c)	V	
	1.2×10^{-1}		Mackay et al. (1995)	V	
	8.4×10^{-2}		Mackay et al. (1995)	V	
	2.8×10^{-1}		Rathbun and Tai (1982)	V	
	1.3×10^{-1}	6000	Bagno et al. (1991)	T	199
		6000	Della Gatta et al. (1981)	T	106
	2.0×10^{-1}	9200	Janini and Quaddora (1986)	X	122
	1.1×10^{-1}		Howard (1993)	X	161
	1.3×10^{-1}		Cabani et al. (1981)	C	
	9.2×10^{-2}		Hilal et al. (2008)	Q	
		6200	Kühne et al. (2005)	Q	
	1.2×10^{-1}		Nirmalakhandan et al. (1997)	Q	
		6800	Kühne et al. (2005)	?	
	1.3×10^{-1}		Abraham et al. (1990)	?	
1-cyclopropyl-ethanone	9.6×10^{-1}	5900	Bagno et al. (1991)	T	199
C_5H_8O		5900	Della Gatta et al. (1981)	T	106
(cyclopropyl methyl ketone)	4.8×10^{-1}		Hilal et al. (2008)	Q	
[765-43-5]	6.4×10^{-1}		Nirmalakhandan et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-methyl-2-butanone	9.6×10^{-2}		Cabani et al. (1981)	V	
$C_5H_{10}O$	9.0×10^{-2}	5700	Bagno et al. (1991)	T	199
(isopropyl methyl ketone)		5700	Della Gatta et al. (1981)	T	106
[563-80-4]	8.4×10^{-2}		Hilal et al. (2008)	Q	
		5300	Kühne et al. (2005)	Q	
	1.0×10^{-1}		Nirmalakhandan et al. (1997)	Q	
		7200	Kühne et al. (2005)	?	
	9.7×10^{-2}		Abraham et al. (1990)	?	
cyclopentanone	8.2×10^{-1}		Hawthorne et al. (1985)	M	
C_5H_8O	1.1		Hilal et al. (2008)	Q	
[120-92-3]		5800	Kühne et al. (2005)	Q	
	7.2×10^{-1}		Nirmalakhandan et al. (1997)	Q	
		5600	Kühne et al. (2005)	?	
	1.1		Abraham et al. (1990)	?	
2-hexanone	1.5×10^{-1}	8600	Hiatt (2013)	M	
$C_6H_{12}O$	1.1×10^{-1}		Straver and de Loos (2005)	M	
[591-78-6]	8.6×10^{-2}	5100	Chai et al. (2005)	M	201
	4.3×10^{-2}		Sato and Nakajima (1979a)	M	20
	1.1×10^{-1}		Mackay et al. (2006c)	V	
	1.1×10^{-1}		Mackay et al. (1995)	V	
	1.0×10^{-1}		Meylan and Howard (1991)	V	
	1.0×10^{-1}		Cabani et al. (1981)	V	
		6200	Della Gatta et al. (1981)	T	106
	1.0×10^{-1}		Howard (1993)	X	161
	8.2×10^{-2}		Hilal et al. (2008)	Q	
		6600	Kühne et al. (2005)	Q	
	9.2×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	8.5×10^{-2}		Meylan and Howard (1991)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		6200	Kühne et al. (2005)	?	
	1.0×10^{-1}		Abraham et al. (1990)	?	
2-hexanone-1,1,1,3,3-d5 $C_6H_{12}O$ [4840-82-8]	1.7×10^{-1}	9000	Hiatt (2013)	M	
3-hexanone			Dewulf et al. (1999)	M	147
$C_6H_{12}O$	6.9×10^{-2}		Hilal et al. (2008)	Q	
[589-38-8]		6600	Kühne et al. (2005)	Q	
		5800	Kühne et al. (2005)	?	
3-methyl-2-pentanone $C_6H_{12}O$ [565-61-7]	7.3×10^{-2}		Hilal et al. (2008)	Q	
4-methyl-2-pentanone	3.9×10^{-2}		Kim and Kim (2014)	M	
$(CH_3)_2CHCH_2COCH_3$	1.0×10^{-1}	8700	Hiatt (2013)	M	
(methyl isobutyl ketone; MIBK)	3.9×10^{-2}		Kim et al. (2000)	M	
[108-10-1]	4.3×10^{-2}	4600	Kolb et al. (1992)	M	108
	2.2×10^{-2}	160	Ashworth et al. (1988)	M	109
	6.5×10^{-2}		Hellmann (1987)	M	30
	3.1×10^{-2}		Sato and Nakajima (1979a)	M	20
	6.5×10^{-2}		Mackay et al. (2006c)	V	
	6.5×10^{-2}		Mackay et al. (1995)	V	
	7.2×10^{-2}		Hwang et al. (1992)	V	
	1.4×10^{-1}		Rathbun and Tai (1982)	V	
	7.1×10^{-2}		Cabani et al. (1981)	V	
	1.1×10^{-1}		Howard (1990)	X	161
	8.8×10^{-2}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		6600	Kühne et al. (2005)	Q	
	7.9×10^{-2}		Nirmalakhandan et al. (1997)	Q	
		5700	Kühne et al. (2005)	?	
	3.0×10^{-1}		Betterton (1991)	?	
	7.0×10^{-2}		Abraham et al. (1990)	?	
2-methyl-3-pentanone $C_6H_{12}O$ [565-69-5]	6.5×10^{-2}		Hilal et al. (2008)	Q	
3,3-dimethyl-2-butanone	7.6×10^{-2}	6000	Bagno et al. (1991)	T	199
$C_6H_{12}O$		6000	Della Gatta et al. (1981)	T	106
(*tert*-butyl methyl ketone)	4.7×10^{-2}		Hilal et al. (2008)	Q	
[75-97-8]		5700	Kühne et al. (2005)	Q	
	7.9×10^{-2}		Nirmalakhandan et al. (1997)	Q	
		5400	Kühne et al. (2005)	?	
cyclohexanone	8.2×10^{-1}		Hawthorne et al. (1985)	M	
$C_6H_{10}O$	3.8×10^{-1}		Mackay et al. (2006c)	V	
[108-94-1]	3.8×10^{-1}		Mackay et al. (1995)	V	
	4.4×10^{-1}		Meylan and Howard (1991)	V	
	1.0		Hilal et al. (2008)	Q	
		6200	Kühne et al. (2005)	Q	
	5.6×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	1.9×10^{-1}		Meylan and Howard (1991)	Q	
		6300	Kühne et al. (2005)	?	
	1.6		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-heptanone	6.8×10^{-2}	5700	Chai et al. (2005)	M	201
$C_7H_{14}O$	6.2×10^{-2}		Kim et al. (2000)	M	
[110-43-0]	5.8×10^{-2}		Shiu and Mackay (1997)	M	
	3.7×10^{-2}		Sato and Nakajima (1979a)	M	20
	6.8×10^{-2}		Buttery et al. (1969)	M	
	7.5×10^{-2}		Mackay et al. (2006c)	V	
	7.5×10^{-2}		Shiu and Mackay (1997)	V	
	7.5×10^{-2}		Mackay et al. (1995)	V	
	1.7×10^{-1}		Rathbun and Tai (1982)	V	
	3.5×10^{-1}	4500	Janini and Quaddora (1986)	X	122
	6.2×10^{-2}		Hilal et al. (2008)	Q	
		6900	Kühne et al. (2005)	Q	
	7.2×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	6.8×10^{-2}		Mackay et al. (2006c)	?	11
		6900	Kühne et al. (2005)	?	
	6.9×10^{-2}		Abraham et al. (1990)	?	
	1.1×10^{-1}		Mackay and Yeun (1983)	?	
3-heptanone		6900	Kühne et al. (2005)	Q	
$C_7H_{14}O$		6000	Kühne et al. (2005)	?	
[106-35-4]					
4-heptanone	5.6×10^{-2}		Cabani et al. (1981)	V	
$C_7H_{14}O$	4.8×10^{-2}		Hilal et al. (2008)	Q	
[123-19-3]		6900	Kühne et al. (2005)	Q	
	7.7×10^{-2}		Nirmalakhandan et al. (1997)	Q	
		7800	Kühne et al. (2005)	?	
	5.6×10^{-2}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
5-methyl-2-hexanone	7.7×10^{-2}		Hilal et al. (2008)	Q	
$C_7H_{14}O$		6900	Kühne et al. (2005)	Q	
[110-12-3]		7600	Kühne et al. (2005)	?	
cycloheptanone	7.0×10^{-1}		Hilal et al. (2008)	Q	
$C_7H_{12}O$					
[502-42-1]					
2-methylcyclohexanone		5600	Kühne et al. (2005)	Q	
$C_7H_{12}O$		4600	Kühne et al. (2005)	?	
[583-60-8]					
4-methylcyclohexanone		6500	Kühne et al. (2005)	Q	
$C_7H_{12}O$		6100	Kühne et al. (2005)	?	
[589-92-4]					
2,4-dimethyl-3-pentanone	4.1×10^{-2}		Cabani et al. (1981)	V	
$C_7H_{14}O$	9.6×10^{-1}	6400	Bagno et al. (1991)	T	199
(diisopropyl ketone)		6400	Della Gatta et al. (1981)	T	106
[565-80-0]	3.5×10^{-2}		Hilal et al. (2008)	Q	
		6000	Kühne et al. (2005)	Q	
	6.0×10^{-2}		Nirmalakhandan et al. (1997)	Q	
		4900	Kühne et al. (2005)	?	
dicyclopropylmethanone	3.1	7300	Bagno et al. (1991)	T	199
$C_7H_{10}O$		7300	Della Gatta et al. (1981)	T	106
(dicyclopropyl ketone)					
[1121-37-5]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-octanone	5.2×10^{-2}		Buttery et al. (1969)	M	
$C_6H_{13}COCH_3$	4.9×10^{-2}		Mackay et al. (2006c)	V	
[111-13-7]	4.9×10^{-2}		Mackay et al. (1995)	V	
	5.5×10^{-2}		Rathbun and Tai (1982)	V	
	5.1×10^{-2}		Hilal et al. (2008)	Q	
		7300	Kühne et al. (2005)	Q	
	5.7×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	5.2×10^{-2}		Mackay et al. (2006c)	?	11
		7300	Kühne et al. (2005)	?	
	5.2×10^{-2}		Abraham et al. (1990)	?	
4-octanone	3.6×10^{-2}		Hilal et al. (2008)	Q	
$C_8H_{16}O$					
[589-63-9]					
cyclohexyl methyl ketone	2.9×10^{-1}	7200	Bagno et al. (1991)	T	199
$C_6H_{11}COCH_3$	4.1×10^{-1}		Hilal et al. (2008)	Q	
[823-76-7]	3.1×10^{-1}		Nirmalakhandan et al. (1997)	Q	
2-nonanone	4.1×10^{-2}		Li and Carr (1993)	M	
$C_7H_{15}COCH_3$	2.7×10^{-2}		Buttery et al. (1969)	M	
[821-55-6]		7600	Abraham (1984)	V	
	4.1×10^{-2}		Hilal et al. (2008)	Q	
		7600	Kühne et al. (2005)	Q	
	4.4×10^{-2}		Nirmalakhandan et al. (1997)	Q	
		8100	Kühne et al. (2005)	?	
	2.7×10^{-2}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
5-nonanone	3.4×10^{-2}		Meylan and Howard (1991)	V	
$C_9H_{18}O$	3.7×10^{-2}		Cabani et al. (1981)	V	
(dibutyl ketone)	2.7×10^{-2}		Hilal et al. (2008)	Q	
[502-56-7]		7600	Kühne et al. (2005)	Q	
	4.7×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	3.6×10^{-2}		Meylan and Howard (1991)	Q	
		7900	Kühne et al. (2005)	?	
	3.5×10^{-2}		Abraham et al. (1990)	?	
2,6-dimethyl-4-heptanone	3.1×10^{-2}		Hilal et al. (2008)	Q	
$C_9H_{18}O$		7600	Kühne et al. (2005)	Q	
[108-83-8]		5500	Kühne et al. (2005)	?	
2,2,4,4-tetramethyl-3-pentanone	2.3×10^{-2}		Bagno et al. (1991)	T	199
$C_9H_{18}O$					
(di-(*tert*-butyl) ketone)					
[815-24-7]					
2-decanone	2.1×10^{-2}		Abraham (1984)	V	
$C_8H_{17}COCH_3$	3.4×10^{-2}		Hilal et al. (2008)	Q	
[693-54-9]	1.4×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	2.1×10^{-2}		Abraham et al. (1990)	?	
2-undecanone	1.6×10^{-2}		Buttery et al. (1969)	M	
$C_9H_{19}COCH_3$	2.7×10^{-2}		Hilal et al. (2008)	Q	
[112-12-9]	2.8×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	1.5×10^{-2}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
6-undecanone $C_{11}H_{22}O$ [927-49-1]	1.5×10^{-2}		Hilal et al. (2008)	Q	
menthone	5.7×10^{-2}		Marin et al. (1999)	M	
$C_{10}H_{18}O$	5.0×10^{-2}		Marin et al. (1999)	V	
[89-80-5]	5.8×10^{-2}		Marin et al. (1999)	Q	
tricyclo[3.3.1.1(3,7)]decanone-4	1.4	5800	van Roon et al. (2005)	V	
$C_{10}H_{14}O$	7.5×10^{-1}		Cabani et al. (1981)	V	
(2-adamantanone) [700-58-3]					
3-buten-2-one	2.6×10^{-1}	4800	Ji and Evans (2007)	M	
C_4H_6O	4.0×10^{-1}		Iraci et al. (1999)	M	
(methyl vinyl ketone; MVK)	2.1×10^{-1}	7800	Allen et al. (1998)	M	
[78-94-4]	1.8×10^{-1}		Hilal et al. (2008)	Q	
		6000	Kühne et al. (2005)	Q	
		7800	Kühne et al. (2005)	?	
	4.3×10^{-1}		Betterton (1991)	?	
4-methyl-3-penten-2-one $C_6H_{10}O$ [141-79-7]	1.8×10^{-1}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-phenylethanone	1.1	7700	Staudinger and Roberts (2001)	L	
$C_6H_5COCH_3$	9.7×10^{-1}	6800	Hiatt (2013)	M	
(acetophenone)	9.7×10^{-1}	12000	Allen et al. (1998)	M	
[98-86-2]	9.3×10^{-1}		Shiu and Mackay (1997)	M	
	1.1	6000	Betterton (1991)	M	
	1.0		Mackay et al. (2006c)	V	
	1.0		Shiu and Mackay (1997)	V	
	1.0		Mackay et al. (1995)	V	
	9.2×10^{-1}		Hine and Mookerjee (1975)	V	
	9.6×10^{-1}	6400	Bagno et al. (1991)	T	199
	9.3×10^{-1}		Schüürmann (2000)	C	11
	1.1		Hilal et al. (2008)	Q	
		6100	Kühne et al. (2005)	Q	
	5.3×10^{-1}		Nirmalakhandan et al. (1997)	Q	
		6700	Kühne et al. (2005)	?	
	9.2×10^{-1}		Abraham et al. (1990)	?	
1-phenylethanone-d5 $C_6D_5COCH_3$ (acetophenone-d5) [28077-64-7]	2.3	10000	Hiatt (2013)	M	
phenyl ethyl ketone	7.5×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_9H_{10}O$	7.2×10^{-1}		Zhang et al. (2010)	Q	113, 115
(propiophenone)	1.6		Zhang et al. (2010)	Q	113, 116
[93-55-0]	9.7×10^{-1}		Zhang et al. (2010)	Q	113, 117
	8.6×10^{-1}		Hilal et al. (2008)	Q	
		6400	Kühne et al. (2005)	Q	
		7700	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-methoxy-4-methyl-2-pentanone $C_7H_{14}O_2$ [107-70-0]	1.8		Hilal et al. (2008)	Q	
(4-methylphenyl)-ethanone	1.1		Abraham et al. (1994)	R	
$C_9H_{10}O$	1.2		Hilal et al. (2008)	Q	
(4-methylacetophenone)	3.8×10^{-1}		Nirmalakhandan et al. (1997)	Q	
[122-00-9]					
4-methoxyphenyl methyl ketone	6.8×10^{-1}		Bagno et al. (1991)	T	199
$C_9H_{10}O_2$	6.9		Hilal et al. (2008)	Q	
[100-06-1]	1.3		Nirmalakhandan et al. (1997)	Q	
2-methyl-5-(1-methylethenyl)-2-cyclohexen-1-one	4.9×10^{-1}		Amoore and Buttery (1978)	M	
$C_{10}H_{14}O$	5.5×10^{-1}		Amoore and Buttery (1978)	V	
(carvone)	8.0×10^{-1}		Hilal et al. (2008)	Q	
[6485-40-1]					
benzophenone	1.7×10^{1}		Mackay et al. (2006c)	V	
$C_{13}H_{10}O$	6.1	9400	Bagno et al. (1991)	T	199
(diphenyl ketone)	5.1		Zhang et al. (2010)	Q	113, 114
[119-61-9]	2.9		Zhang et al. (2010)	Q	113, 115
	3.6×10^{1}		Zhang et al. (2010)	Q	113, 116
	3.4×10^{1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,5,5-trimethyl-2-cyclohexen-1-one	1.7		Mackay et al. (2006d)	V	
$C_9H_{14}O$	1.7		Hwang et al. (1992)	V	
(isophorone)	1.7		Suntio et al. (1988)	V	9
[78-59-1]	1.7	3900	Goldstein (1982)	X	122
	1.8		Suntio et al. (1988)	C	9
	6.9×10^{-1}		Hilal et al. (2008)	Q	
		7300	Kühne et al. (2005)	Q	
		7400	Kühne et al. (2005)	?	
bicyclo[2.2.1]heptan-2-one $C_7H_{10}O$ (norcamphor; 2-norbornanone) [497-38-1]	4.3×10^{-1}	5100	van Roon et al. (2005)	V	
4-methyl-1-(1-methylethyl)-bicyclo[3.1.0]hexan-3-one $C_{10}H_{16}O$ (thujone) [1125-12-8]	1.0×10^{-1}	4700	van Roon et al. (2005)	V	
isopropyl phenyl ketone	5.7×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_{12}O$	3.9×10^{-1}		Zhang et al. (2010)	Q	113, 115
[611-70-1]	1.7		Zhang et al. (2010)	Q	113, 116
	8.2×10^{-1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one	7.0×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_{22}O$	6.7×10^{-3}		Zhang et al. (2010)	Q	113, 115
[33704-61-9]	2.0×10^{1}		Zhang et al. (2010)	Q	113, 116
	4.8×10^{-2}		Zhang et al. (2010)	Q	113, 117
2,4,6-trimethylbenzophenone	3.8		Zhang et al. (2010)	Q	113, 114
$C_{16}H_{16}O$	3.8		Zhang et al. (2010)	Q	113, 115
[954-16-5]	1.5×10^{1}		Zhang et al. (2010)	Q	113, 116
	6.0		Zhang et al. (2010)	Q	113, 117
1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	2.5×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_{26}O$	3.0×10^{-1}		Zhang et al. (2010)	Q	113, 115
[68155-66-8]	1.1×10^{1}		Zhang et al. (2010)	Q	113, 116
	4.0×10^{-2}		Zhang et al. (2010)	Q	113, 117
1-(2,3-dihydro-1,1,2,3,3,6-hexamethyl-1H-inden-5-yl)ethanone	3.1×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{17}H_{24}O$	2.0		Zhang et al. (2010)	Q	113, 115
[15323-35-0]	5.2		Zhang et al. (2010)	Q	113, 116
	9.9×10^{-2}		Zhang et al. (2010)	Q	113, 117
celestolide	3.1×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{17}H_{24}O$	2.4		Zhang et al. (2010)	Q	113, 115
[13171-00-1]	3.1		Zhang et al. (2010)	Q	113, 116
	8.8×10^{-2}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-[2,3-dihydro-1,1,2,6-tetramethyl-3-(1-methylethyl)-1H-inden-5-yl]ethanone	2.3×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{26}O$	3.2		Zhang et al. (2010)	Q	113, 115
[68140-48-7]	4.4		Zhang et al. (2010)	Q	113, 116
	1.3×10^{-1}		Zhang et al. (2010)	Q	113, 117
tonalid	2.3×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{26}O$	2.4		Zhang et al. (2010)	Q	113, 115
[21145-77-7]	7.9		Zhang et al. (2010)	Q	113, 116
	7.9×10^{-2}		Zhang et al. (2010)	Q	113, 117
2,3-butanedione	7.3×10^{-1}	5700	Sander et al. (2011)	L	
$CH_3COCOCH_3$	5.6×10^{-1}	6700	Strekowski and George (2005)	M	
(biacetyl; dimethylglycol)	5.6×10^{-1}		Straver and de Loos (2005)	M	
[431-03-8]	1.0		Marin et al. (1999)	M	
	3.7×10^{-1}		Roberts and Pollien (1997)	M	
	7.3×10^{-1}	5700	Betterton (1991)	M	
	5.7×10^{-1}		Snider and Dawson (1985)	M	
	6.1×10^{-1}		Marin et al. (1999)	V	
	1.9		Gaffney and Senum (1984)	X	158
	1.9		Gaffney and Senum (1984)	X	151
	3.8		Hilal et al. (2008)	Q	
		6500	Kühne et al. (2005)	Q	
	7.1×10^{-1}		Marin et al. (1999)	Q	
		6000	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4-pentanedione	1.7		Hellmann (1987)	M	30
$C_5H_8O_2$	1.7×10^{1}		Hilal et al. (2008)	Q	
(acetylacetone)		7300	Kühne et al. (2005)	Q	
[123-54-6]		4400	Kühne et al. (2005)	?	
dibenzoylmethane	7.5×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_{15}H_{12}O_2$	8.0×10^{2}		Zhang et al. (2010)	Q	113, 115
[120-46-7]	6.9×10^{4}		Zhang et al. (2010)	Q	113, 116
	1.3×10^{4}		Zhang et al. (2010)	Q	113, 117
2-ethyl-9,10-anthracenedione	2.1×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_{12}O_2$	4.2×10^{2}		Zhang et al. (2010)	Q	113, 115
[84-51-5]	1.6×10^{2}		Zhang et al. (2010)	Q	113, 116
	1.1×10^{4}		Zhang et al. (2010)	Q	113, 117
9,10-anthracenedione	3.1×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_8O_2$	5.6×10^{2}		Zhang et al. (2010)	Q	113, 115
[84-65-1]	1.7×10^{2}		Zhang et al. (2010)	Q	113, 116
	2.5×10^{4}		Zhang et al. (2010)	Q	113, 117
Carboxylic acids (RCOOH) and peroxy carboxylic acids (RCOOOH)					
methanoic acid	8.8×10^{1}	6100	Sander et al. (2011)	L	
HCOOH	8.8×10^{1}	6100	Sander et al. (2006)	L	
(formic acid)	6.7×10^{1}	5900	Staudinger and Roberts (2001)	L	
[64-18-6]	8.8×10^{1}	6100	Johnson et al. (1996)	M	
	5.4×10^{1}		Khan et al. (1995)	M	
	5.4×10^{1}	5600	Khan and Brimblecombe (1992)	M	
	1.3×10^{2}		Servant et al. (1991)	M	203

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.5×10^{1}		Hwang et al. (1992)	V	
		5700	Abraham (1984)	V	
		5600	Abraham (1984)	R	204
		5700	Winiwarter et al. (1988)	T	205
	3.7×10^{1}	5700	Jacob (1986)	T	206
	5.5×10^{1}		Keene and Galloway (1986)	T	
	7.5×10^{1}		Johnson (1990)	X	21
	5.9×10^{1}		Gaffney and Senum (1984)	X	151, 207
	5.1×10^{1}		Johnson et al. (1996)	C	
	5.1×10^{1}		Keene et al. (1995)	C	
	5.3×10^{1}		Keene et al. (1995)	C	
	3.7×10^{1}	5700	Lelieveld and Crutzen (1991)	C	
	3.5×10^{1}	5700	Pandis and Seinfeld (1989)	C	
	2.3×10^{2}		Hilal et al. (2008)	Q	
		5800	Kühne et al. (2005)	Q	
		6500	Kühne et al. (2005)	?	
	1.3×10^{1}		Yaws (1999)	?	
	8.9		Yaws and Yang (1992)	?	98
ethanoic acid	4.0×10^{1}	6200	Sander et al. (2011)	L	
CH_3COOH	4.0×10^{1}	6200	Sander et al. (2006)	L	
(acetic acid)	4.6×10^{1}	6300	Staudinger and Roberts (2001)	L	
[64-19-7]	1.4×10^{1}		von Hartungen et al. (2004)	M	
	4.0×10^{1}	6300	Johnson et al. (1996)	M	
	5.4×10^{1}		Khan et al. (1995)	M	
	5.4×10^{1}	8300	Khan and Brimblecombe (1992)	M	
	9.2×10^{1}		Servant et al. (1991)	M	203
			Fredenhagen and Liebster (1932)	M	128
	9.1		Hwang et al. (1992)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		6300	Abraham (1984)	V	
		6200	Abraham (1984)	R	204
	8.7×10^{1}	6400	Jacob et al. (1989)	T	
		6400	Winiwarter et al. (1988)	T	205
	8.7×10^{1}		Keene and Galloway (1986)	T	
	9.7	4900	Goldstein (1982)	X	122
	9.9×10^{1}		Gaffney and Senum (1984)	X	151, 207
	5.1×10^{1}		Johnson et al. (1996)	C	
	5.2×10^{1}		Keene et al. (1995)	C	
	8.5×10^{1}		Keene et al. (1995)	C	
	1.3×10^{2}		Hilal et al. (2008)	Q	
		6100	Kühne et al. (2005)	Q	
	3.9×10^{1}		Nirmalakhandan and Speece (1988a)	Q	
		6200	Kühne et al. (2005)	?	
	8.2		Yaws and Yang (1992)	?	98
	3.3×10^{1}		Abraham et al. (1990)	?	
	3.3×10^{1}		Hine and Mookerjee (1975)	?	
propanoic acid	1.5×10^{1}		von Hartungen et al. (2004)	M	
C_2H_5COOH	5.6×10^{1}		Khan et al. (1995)	M	
(propionic acid)	5.5×10^{1}		Khan and Brimblecombe (1992)	M	
[79-09-4]	6.1×10^{1}		Servant et al. (1991)	M	203
	2.2×10^{1}		Butler and Ramchandani (1935)	M	
		6800	Abraham (1984)	V	
		6800	Abraham (1984)	R	204
	7.0×10^{1}		Hilal et al. (2008)	Q	
	3.4×10^{1}		Nirmalakhandan and Speece (1988a)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.2×10^{1}		Abraham et al. (1990)	?	
	2.2×10^{1}		Hine and Mookerjee (1975)	?	
butanoic acid	9.7		von Hartungen et al. (2004)	M	
C_3H_7COOH	4.7×10^{1}		Khan et al. (1995)	M	
(butyric acid)	4.5×10^{1}		Khan and Brimblecombe (1992)	M	
[107-92-6]	1.8×10^{1}		Butler and Ramchandani (1935)	M	
	9.4		Hwang et al. (1992)	V	
		7100	Abraham (1984)	V	
		7300	Abraham (1984)	R	204
	4.4×10^{1}		Hilal et al. (2008)	Q	
	2.7×10^{1}		Nirmalakhandan and Speece (1988a)	Q	
	1.8×10^{1}		Abraham et al. (1990)	?	
	1.8×10^{1}		Hine and Mookerjee (1975)	?	
2-methylpropanoic acid	9.6		von Hartungen et al. (2004)	M	
$(CH_3)_2CHCOOH$	1.1×10^{1}		Khan et al. (1995)	M	
(isobutyric acid)	1.1×10^{1}		Khan and Brimblecombe (1992)	M	
[79-31-2]	5.6×10^{1}		Servant et al. (1991)	M	203
	1.4		Mackay et al. (2006c)	V	
	2.5×10^{1}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
pentanoic acid	2.3×10^{1}	6900	Staudinger and Roberts (2001)	L	
C_4H_9COOH	1.2×10^{1}		von Hartungen et al. (2004)	M	
(valeric acid)	2.3×10^{1}	6600	Khan et al. (1995)	M	
[109-52-4]	2.1×10^{1}	6900	Khan and Brimblecombe (1992)	M	
	1.2×10^{1}		Mackay et al. (2006c)	V	
	1.2×10^{1}		Mackay et al. (1995)	V	
	1.6×10^{1}		Brimblecombe et al. (1992)	V	
		7500	Abraham (1984)	V	
	1.3×10^{1}		Amoore and Buttery (1978)	V	
		7700	Abraham (1984)	R	204
	3.3×10^{1}		Hilal et al. (2008)	Q	
		7200	Kühne et al. (2005)	Q	
	2.2×10^{1}		Nirmalakhandan et al. (1997)	Q	
		6900	Kühne et al. (2005)	?	
	1.3×10^{1}		Abraham et al. (1990)	?	
2-methylbutanoic acid $C_5H_{10}O_2$ [116-53-0]	1.6×10^{1}		Hilal et al. (2008)	Q	
3-methylbutanoic acid	1.1×10^{1}		von Hartungen et al. (2004)	M	
$(CH_3)_2CHCH_2COOH$	1.2×10^{1}		Khan et al. (1995)	M	
(isovaleric acid)	1.2×10^{1}		Khan and Brimblecombe (1992)	M	
[503-74-2]	1.2×10^{1}		Amoore and Buttery (1978)	M	
	1.6		Mackay et al. (2006c)	V	
	1.6		Mackay et al. (1995)	V	
	7.3		Amoore and Buttery (1978)	V	
	2.8×10^{1}		Hilal et al. (2008)	Q	
	1.2×10^{1}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2-dimethylpropanoic acid	3.5		Khan et al. (1995)	M	
$(CH_3)_3CCOOH$	3.5		Khan and Brimblecombe (1992)	M	
(pivalic acid) [75-98-9]	1.2×10^{1}		Hilal et al. (2008)	Q	
hexanoic acid	1.3×10^{1}	6100	Staudinger and Roberts (2001)	L	
$C_5H_{11}COOH$	7.5		von Hartungen et al. (2004)	M	
(caproic acid)	1.3×10^{1}	6300	Khan et al. (1995)	M	
[142-62-1]	1.3×10^{1}	5900	Khan and Brimblecombe (1992)	M	
	1.7×10^{1}		Mackay et al. (2006c)	V	
	1.7		Mackay et al. (1995)	V	
	1.1×10^{1}		Brimblecombe et al. (1992)	V	
	2.0×10^{1}		Hwang et al. (1992)	V	
		8700	Abraham (1984)	V	
		8100	Abraham (1984)	R	204
	2.4×10^{1}		Hilal et al. (2008)	Q	
		7500	Kühne et al. (2005)	Q	
	1.7×10^{1}		Nirmalakhandan et al. (1997)	Q	
		7200	Kühne et al. (2005)	?	
	1.5×10^{1}		Abraham et al. (1990)	?	
2-methylpentanoic acid $C_6H_{12}O_2$ [97-61-0]	1.1×10^{1}		Hilal et al. (2008)	Q	
2-ethylbutanoic acid $C_6H_{12}O_2$ [88-09-5]	9.0		Hilal et al. (2008)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
heptanoic acid	9.6		Brimblecombe et al. (1992)	V	
$C_7H_{14}O_2$		8500	Abraham (1984)	V	
[111-14-8]		8500	Abraham (1984)	R	204
	1.7×10^{1}		Hilal et al. (2008)	Q	
		7800	Kühne et al. (2005)	Q	
		7900	Kühne et al. (2005)	?	
	1.3×10^{1}		Abraham et al. (1990)	?	
4,4-dimethylpentanoic acid	4.3		Zhang et al. (2010)	Q	113, 114
$C_7H_{14}O_2$	1.4×10^{1}		Zhang et al. (2010)	Q	113, 115
[95823-36-2]	1.6×10^{3}		Zhang et al. (2010)	Q	113, 116
	1.6		Zhang et al. (2010)	Q	113, 117
2-ethyl-2-methylbutanoic acid	4.3		Zhang et al. (2010)	Q	113, 114
$C_7H_{14}O_2$	5.4		Zhang et al. (2010)	Q	113, 115
[19889-37-3]	2.3×10^{2}		Zhang et al. (2010)	Q	113, 116
	1.6		Zhang et al. (2010)	Q	113, 117
octanoic acid	1.5×10^{-1}		Mackay et al. (2006c)	V	
$C_8H_{16}O_2$	1.5×10^{-1}		Mackay et al. (1995)	V	
(caprylic acid)	7.6		Brimblecombe et al. (1992)	V	
[124-07-2]		9600	Abraham (1984)	V	
		8900	Abraham (1984)	R	204
	1.3×10^{1}		Hilal et al. (2008)	Q	
		8200	Kühne et al. (2005)	Q	
		8400	Kühne et al. (2005)	?	
	1.1×10^{1}		Abraham et al. (1990)	?	
2-ethylhexanoic acid $C_8H_{16}O_2$ [149-57-5]	3.4		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
nonanoic acid	3.8		Brimblecombe et al. (1992)	V	
$C_9H_{18}O_2$	6.9		Hilal et al. (2008)	C	
(pelargic acid)	9.9		Hilal et al. (2008)	Q	
[112-05-0]					
decanoic acid	6.5		Hilal et al. (2008)	C	
$C_{10}H_{20}O_2$	7.7		Hilal et al. (2008)	Q	
[334-48-5]					
3,3,5,5-tetramethylhexanoic acid	1.9		Zhang et al. (2010)	Q	113, 114
$C_{10}H_{20}O_2$	3.5		Zhang et al. (2010)	Q	113, 115
	1.0×10^{3}		Zhang et al. (2010)	Q	113, 116
	6.1×10^{-1}		Zhang et al. (2010)	Q	113, 117
undecanoic acid $C_{11}H_{22}O_2$ [112-37-8]	5.8		Hilal et al. (2008)	Q	
dodecanoic acid $C_{12}H_{24}O_2$ [143-07-7]	4.5		Hilal et al. (2008)	Q	
octadecanoic acid	2.5×10^{5}		Mackay et al. (1995)	V	
$C_{18}H_{36}O_2$ (stearic acid) [57-11-4]	8.4×10^{-1}		Hilal et al. (2008)	Q	
propenoic acid	3.1×10^{1}		Lide and Frederikse (1995)	V	
$C_3H_4O_2$	2.2×10^{1}		Hilal et al. (2008)	Q	
(acrylic acid) [79-10-7]	2.4×10^{1}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
(*E*)-2-butenoic acid	2.3×10^{1}		Hilal et al. (2008)	Q	
$C_4H_6O_2$					
(crotonic acid)					
[3724-65-0]					
(*Z*)-2-butenoic acid	2.3×10^{1}		Hilal et al. (2008)	Q	
$C_4H_6O_2$					
(isocrotonic acid)					
[503-64-0]					
2-methyl-2-propenoic acid	2.5×10^{1}		Khan et al. (1992)	M	
$C_4H_6O_2$	1.0		Mackay et al. (2006c)	V	
(methacrylic acid)	1.9×10^{1}		Hilal et al. (2008)	Q	
[79-41-4]					
benzenecarboxylic acid	2.9×10^{2}		Li et al. (2007)	M	
C_6H_5COOH	2.5×10^{2}		Mackay et al. (2006c)	V	
(benzoic acid)	1.4×10^{2}		Lide and Frederikse (1995)	V	
[65-85-0]	2.1		Mackay et al. (1995)	V	
	1.7×10^{2}		Meylan and Howard (1991)	V	
	1.4×10^{2}	6500	Goldstein (1982)	X	122
	1.4×10^{2}		Howard (1989)	X	161
	2.4×10^{2}		Hilal et al. (2008)	Q	
		6700	Kühne et al. (2005)	Q	
	9.1×10^{1}		Meylan and Howard (1991)	Q	
		6200	Kühne et al. (2005)	?	
	2.4×10^{2}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-methylbenzoic acid	6.6		Mackay et al. (2006c)	V	
C_7H_7COOH	1.4×10^{-1}		Mackay et al. (1995)	V	
(*m*-toluic acid)	8.2×10^{1}		Zhang et al. (2010)	Q	113, 114
[99-04-7]	1.2×10^{2}		Zhang et al. (2010)	Q	113, 115
	5.1×10^{2}		Zhang et al. (2010)	Q	113, 116
	1.1×10^{2}		Zhang et al. (2010)	Q	113, 117
2-methylbenzoic acid	8.2×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_8H_8O_2$	3.2×10^{1}		Zhang et al. (2010)	Q	113, 115
(*o*-toluic acid)	9.9×10^{1}		Zhang et al. (2010)	Q	113, 116
[118-90-1]	1.1×10^{2}		Zhang et al. (2010)	Q	113, 117
4-methylbenzoic acid	8.2×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_8H_8O_2$	1.4×10^{2}		Zhang et al. (2010)	Q	113, 115
(*p*-toluic acid)	8.8×10^{2}		Zhang et al. (2010)	Q	113, 116
[99-94-5]	1.1×10^{2}		Zhang et al. (2010)	Q	113, 117
		7000	Kühne et al. (2005)	Q	
		7500	Kühne et al. (2005)	?	
2-hydroxy-benzoic acid	8.0×10^{2}		Mackay et al. (2006c)	V	
$C_7H_6O_3$	6.9×10^{2}		Mackay et al. (1995)	V	
(salicylic acid)	1.8		Mackay et al. (1995)	V	
[69-72-7]					
benzeneethanoic acid	1.5×10^{2}		Mackay et al. (2006c)	V	
$C_8H_8O_2$	1.8×10^{2}		Mackay et al. (1995)	V	
(phenylacetic acid)	1.4×10^{1}		Mackay et al. (1995)	V	
[103-82-2]	9.9×10^{2}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
phthalic anhydride $C_8H_4O_3$ [85-44-9]	1.6×10^{3}		Lide and Frederikse (1995)	V	
4-methylphthalic anhydride	1.4		Zhang et al. (2010)	Q	113, 114
$C_9H_6O_3$	6.4×10^{4}		Zhang et al. (2010)	Q	113, 115
[19438-61-0]	3.5×10^{1}		Zhang et al. (2010)	Q	113, 116
	3.6×10^{1}		Zhang et al. (2010)	Q	113, 117
p-tert-butylbenzoic acid	3.5×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{11}H_{14}O_2$	4.5×10^{1}		Zhang et al. (2010)	Q	113, 115
[98-73-7]	3.6×10^{2}		Zhang et al. (2010)	Q	113, 116
	4.2×10^{1}		Zhang et al. (2010)	Q	113, 117
benzoic acid, anhydride	7.0		Zhang et al. (2010)	Q	113, 114
$C_{14}H_{10}O_3$	3.7×10^{2}		Zhang et al. (2010)	Q	113, 115
[93-97-0]	6.5×10^{3}		Zhang et al. (2010)	Q	113, 116
	6.4×10^{2}		Zhang et al. (2010)	Q	113, 117
pyromellitic dianhydride	1.3×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_2O_6$	1.4×10^{11}		Zhang et al. (2010)	Q	113, 115
[89-32-7]	4.8×10^{4}		Zhang et al. (2010)	Q	113, 116
	9.7×10^{5}		Zhang et al. (2010)	Q	113, 117
ethanedioic acid	6.1×10^{6}		Compernolle and Müller (2014)	V	
HOOCCOOH	7.1×10^{6}	9800	Clegg et al. (1996)	V	
(oxalic acid)	3.1×10^{4}	7300	Brimblecombe et al. (1992)	V	
[144-62-7]	6.9×10^{4}		Gaffney and Senum (1984)	X	151, 207
	2.4×10^{3}		Hilal et al. (2008)	Q	
	4.1×10^{5}		Meylan and Howard (1991)	Q	
	4.9×10^{6}		Saxena and Hildemann (1996)	E	156

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
propanedioic acid	3.8×10^{8}	11000	Compernolle and Müller (2014)	V	
$HOOCCH_2COOH$	9.3×10^{7}	14000	Compernolle and Müller (2014)	V	
(malonic acid)	3.9×10^{6}		Saxena and Hildemann (1996)	E	156
[141-82-2]					
butanedioic acid	4.1×10^{7}	11000	Compernolle and Müller (2014)	V	
$HOOC(CH_2)_2COOH$	2.0×10^{7}	12000	Compernolle and Müller (2014)	V	
(succinic acid)	3.0×10^{6}		Saxena and Hildemann (1996)	E	156
[110-15-6]					
pentanedioic acid	1.9×10^{7}		Mentel et al. (2004)	M	
$HOOC(CH_2)_3COOH$	5.1×10^{7}	12000	Compernolle and Müller (2014)	V	
(glutaric acid)	2.4×10^{7}	13000	Compernolle and Müller (2014)	V	
[110-94-1]	2.2×10^{7}		Hilal et al. (2008)	Q	
	2.0×10^{6}		Saxena and Hildemann (1996)	E	156
hexanedioic acid	6.6×10^{7}	13000	Compernolle and Müller (2014)	V	
$HOOC(CH_2)_4COOH$	1.1×10^{1}		Lide and Frederikse (1995)	V	
(adipic acid)	1.8×10^{5}	11000	Goldstein (1982)	X	122
[124-04-9]	2.5×10^{7}		Hilal et al. (2008)	Q	
	2.0×10^{6}		Saxena and Hildemann (1996)	E	156
heptanedioic acid $C_7H_{12}O_4$ (pimelic acid) [111-16-0]	8.1×10^{7}	15000	Compernolle and Müller (2014)	V	
octanedioic acid $C_8H_{14}O_4$ (suberic acid) [505-48-6]	7.7×10^{7}	14000	Compernolle and Müller (2014)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
nonanedioic acid $C_9H_{16}O_4$ (azelaic acid) [123-99-9]	8.9×10^{7}	17000	Compernolle and Müller (2014)	V	
decanedioic acid $C_{10}H_{18}O_4$ (sebacic acid) [111-20-6]	7.6×10^{7}		Compernolle and Müller (2014)	V	
cis-butenedioic acid	1.4×10^{8}		Lide and Frederikse (1995)	V	
$HOOC(CH)_2COOH$	9.9×10^{6}		Saxena and Hildemann (1996)	E	156
(maleic acid) [110-16-7]					
methanoic peroxyacid HCOOOH (peroxyformic acid) [107-32-4]	2.9×10^{1}		Sauer (1997)	M	185
ethanoic peroxyacid	8.3	5300	Sander et al. (2011)	L	
CH_3COOOH	7.3	5600	Staudinger and Roberts (2001)	L	
(peroxyacetic acid)	2.4×10^{1}		Sauer (1997)	M	185
[79-21-0]	8.3	5300	O'Sullivan et al. (1996)	M	
	6.5	5900	Lind and Kok (1994)	M	17
	1.8×10^{1}		Hilal et al. (2008)	Q	
		6100	Kühne et al. (2005)	Q	
		5300	Kühne et al. (2005)	?	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
methyl methanoate	4.1×10^{-2}	4000	Sander et al. (2011)	L	
$HCOOCH_3$	4.1×10^{-2}	4000	Kutsuna et al. (2005)	M	
(methyl formate)	4.1×10^{-2}		Hoff et al. (1993)	M	
[107-31-3]	3.9×10^{-2}	4100	Hartkopf and Karger (1973)	M	
	4.9×10^{-2}		Mackay et al. (2006c)	V	
	4.9×10^{-2}		Mackay et al. (1995)	V	
	5.8×10^{-2}		Hilal et al. (2008)	Q	
		4100	Kühne et al. (2005)	Q	
	6.4×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
		4200	Kühne et al. (2005)	?	
	4.4×10^{-2}		Betterton (1992)	?	208
	4.4×10^{-2}		Abraham et al. (1990)	?	
	4.4×10^{-2}		Hine and Mookerjee (1975)	?	208
ethyl methanoate	3.4×10^{-2}	4600	Sander et al. (2011)	L	
$HCOOC_2H_5$	3.4×10^{-2}	4600	Kutsuna et al. (2005)	M	
(ethyl formate)	1.9×10^{-3}	4600	Hartkopf and Karger (1973)	M	
[109-94-4]	4.9×10^{-2}		Mackay et al. (2006c)	V	
	4.9×10^{-2}		Mackay et al. (1995)	V	
	3.1×10^{-2}		Abraham (1984)	V	
	3.5×10^{-2}		Hine and Mookerjee (1975)	V	
	3.1×10^{-2}		Hilal et al. (2008)	Q	
	5.7×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	1.4×10^{-3}		Hoff et al. (1993)	?	11
	3.1×10^{-2}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
propyl methanoate	2.6×10^{-2}	5100	Sander et al. (2011)	L	
$HCOOC_3H_7$	2.6×10^{-2}	5100	Kutsuna et al. (2005)	M	
(propyl formate)	2.1×10^{-2}		Mackay et al. (2006c)	V	
[110-74-7]	2.7×10^{-2}		Hine and Mookerjee (1975)	V	
	2.3×10^{-2}		Hilal et al. (2008)	Q	
	4.4×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	2.7×10^{-2}		Abraham et al. (1990)	?	
isopropyl methanoate	1.2×10^{-2}		Hine and Mookerjee (1975)	V	
$HCOOC_3H_7$	2.1×10^{-2}		Hilal et al. (2008)	Q	
(isopropyl formate)	3.9×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
[625-55-8]	1.2×10^{-2}		Abraham et al. (1990)	?	
(2-methylpropyl)-methanoate	1.8×10^{-2}		Mackay et al. (2006c)	V	
$HCOOC_4H_9$	1.8×10^{-2}		Mackay et al. (1995)	V	
(isobutyl formate)	1.7×10^{-2}		Hine and Mookerjee (1975)	V	
[542-55-2]	2.0×10^{-2}		Hilal et al. (2008)	Q	
	3.1×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	1.7×10^{-2}		Abraham et al. (1990)	?	
(1,1-dimethylethyl)-methanoate $HCOOC_4H_9$ (*tert*-butyl formate; TBF) [762-75-4]	1.4×10^{-2}	3600	Arp and Schmidt (2004)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
methanoic acid, pentyl ester	1.3×10^{-2}		Hilal et al. (2008)	Q	
$C_6H_{12}O_2$ [638-49-3]	2.8×10^{-2}		Nirmalakhandan et al. (1997)	Q	
isopentyl methanoate	1.5×10^{-2}		Hine and Mookerjee (1975)	V	
$HCOOC_5H_{11}$	1.7×10^{-2}		Hilal et al. (2008)	Q	
(isoamyl formate)	2.4×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
[110-45-2]	1.5×10^{-2}		Abraham et al. (1990)	?	
methanoic acid, hexyl ester	1.1×10^{-2}		Hilal et al. (2008)	Q	
$C_7H_{14}O_2$ [629-33-4]	1.6×10^{-2}		Nirmalakhandan et al. (1997)	Q	
methyl ethanoate	1.2×10^{-1}	7500	Hiatt (2013)	M	
CH_3COOCH_3	6.6×10^{-2}	4500	Arp and Schmidt (2004)	M	
(methyl acetate)	7.7×10^{-2}	5000	Kieckbusch and King (1979)	M	
[79-20-9]	8.6×10^{-2}		Buttery et al. (1969)	M	
	1.1×10^{-1}		Butler and Ramchandani (1935)	M	
	1.1×10^{-1}		Mackay et al. (2006c)	V	
	1.1×10^{-1}		Mackay et al. (1995)	V	
	1.1×10^{-1}	4800	Bagno et al. (1991)	T	199
	6.4×10^{-2}		Hilal et al. (2008)	Q	
		4500	Kühne et al. (2005)	Q	
	3.9×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
		4900	Kühne et al. (2005)	?	
	8.0×10^{-2}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
ethyl ethanoate	5.9×10^{-2}	5900	Sander et al. (2011)	L	
$CH_3COOC_2H_5$	5.1×10^{-2}		Aprea et al. (2007)	M	
(ethyl acetate)	5.9×10^{-2}	5900	Kutsuna et al. (2005)	M	
[141-78-6]			Dewulf et al. (1999)	M	147
	4.4×10^{-2}	3900	Kolb et al. (1992)	M	108
	4.3×10^{-2}		Guitart et al. (1989)	M	20
	5.8×10^{-2}	5300	Kieckbusch and King (1979)	M	
	5.7×10^{-2}		Nelson and Hoff (1968)	M	121
	7.4×10^{-2}		Butler and Ramchandani (1935)	M	
	7.3×10^{-2}		Mackay et al. (2006c)	V	
	7.3×10^{-2}		Mackay et al. (1995)	V	
	3.6×10^{-1}		Hwang et al. (1992)	V	
	4.7×10^{-2}	5700	Janini and Quaddora (1986)	X	122
	3.6×10^{-2}		Hilal et al. (2008)	Q	
		4800	Kühne et al. (2005)	Q	
	4.1×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
		5200	Kühne et al. (2005)	?	
	8.8×10^{-2}		Hoff et al. (1993)	?	11
	5.8×10^{-2}		Abraham et al. (1990)	?	
ethyl ethanoate-1-13C $CH_3COOC_2H_5$ (ethyl acetate-1-13C) [3424-59-7]	7.1×10^{-2}	6500	Hiatt (2013)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
propyl ethanoate	4.5×10^{-2}	5500	Kieckbusch and King (1979)	M	
$CH_3COOC_3H_7$	4.6×10^{-2}		Mackay et al. (2006c)	V	
(propyl acetate)	4.6×10^{-2}		Mackay et al. (1995)	V	
[109-60-4]	5.0×10^{-2}		Hine and Mookerjee (1975)	V	
	5.0×10^{-2}		Butler and Ramchandani (1935)	V	
	4.4×10^{-2}	6000	Janini and Quaddora (1986)	X	122
	2.9×10^{-2}		Hilal et al. (2008)	Q	
	3.3×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	4.5×10^{-2}		Abraham et al. (1990)	?	
ethanoic acid, 2-propenyl ester $C_5H_8O_2$ [591-87-7]	7.0×10^{-2}		Hilal et al. (2008)	Q	
isopropyl ethanoate	3.5×10^{-2}		Hine and Mookerjee (1975)	V	
$CH_3COOC_3H_7$	2.9×10^{-2}	5500	Janini and Quaddora (1986)	X	122
(isopropyl acetate)	2.5×10^{-2}		Hilal et al. (2008)	Q	
[108-21-4]	2.9×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	3.5×10^{-2}		Abraham et al. (1990)	?	
butyl ethanoate	2.4×10^{-2}		Kim and Kim (2014)	M	
$CH_3COOC_4H_9$	2.1×10^{-2}		Helburn et al. (2008)	M	
(butyl acetate)	2.3×10^{-2}	4300	Kolb et al. (1992)	M	108
[123-86-4]	3.5×10^{-2}	6000	Kieckbusch and King (1979)	M	
	3.2×10^{-2}		Mackay et al. (2006c)	V	
	3.2×10^{-2}		Mackay et al. (1995)	V	
	2.7×10^{-2}		Hwang et al. (1992)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	3.0×10^{-2}		Hine and Mookerjee (1975)	V	
	3.5×10^{-2}	7500	Janini and Quaddora (1986)	X	122
	2.1×10^{-2}	3200	Goldstein (1982)	X	122
	2.3×10^{-2}		Hilal et al. (2008)	Q	
		5500	Kühne et al. (2005)	Q	
	2.6×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
		5300	Kühne et al. (2005)	?	
	3.5×10^{-2}		Abraham et al. (1990)	?	
pentyl ethanoate	3.4×10^{-2}		Hellmann (1987)	M	30
$CH_3COOC_5H_{11}$	2.8×10^{-2}	6500	Kieckbusch and King (1979)	M	
(amyl acetate)	2.4×10^{-2}		Mackay et al. (2006c)	V	
[628-63-7]	2.4×10^{-2}		Mackay et al. (1995)	V	
	2.5×10^{-2}		Hine and Mookerjee (1975)	V	
	2.0×10^{-2}		Hilal et al. (2008)	Q	
	2.1×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	2.1×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	2.3×10^{-2}		Taft et al. (1985)	Q	
	2.8×10^{-2}		Abraham et al. (1990)	?	
(2-methylpropyl)-ethanoate	1.9×10^{-2}		Mackay et al. (2006c)	V	
$CH_3COOC_4H_9$	1.9×10^{-2}		Mackay et al. (1995)	V	
(isobutyl acetate)	2.2×10^{-2}		Hine and Mookerjee (1975)	V	
[110-19-0]	2.7×10^{-2}		Hilal et al. (2008)	Q	
		5500	Kühne et al. (2005)	Q	
	2.2×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
		4600	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.2×10^{-2}		Abraham et al. (1990)	?	
isopentyl ethanoate	2.6×10^{-2}		Mackay et al. (2006c)	V	
$CH_3COOC_5H_{11}$	2.6×10^{-2}		Mackay et al. (1995)	V	
(isoamyl acetate)	2.1×10^{-2}		Meylan and Howard (1991)	V	
[123-92-2]	1.7×10^{-2}		Hine and Mookerjee (1975)	V	
	2.4×10^{-2}	5000	Goldstein (1982)	X	122
	2.6×10^{-2}		Hilal et al. (2008)	Q	
	1.8×10^{-2}		Meylan and Howard (1991)	Q	
	1.8×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	1.7×10^{-2}		Abraham et al. (1990)	?	
hexyl ethanoate	1.5×10^{-2}		Karl et al. (2003)	M	
$CH_3COOC_6H_{13}$	5.2×10^{-3}		Mackay et al. (2006c)	V	
(hexyl acetate)	5.2×10^{-3}		Mackay et al. (1995)	V	
[142-92-7]	1.8×10^{-2}		Hine and Mookerjee (1975)	V	
	1.4×10^{-2}		Hilal et al. (2008)	Q	
	2.2×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	1.8×10^{-2}		Abraham et al. (1990)	?	
4-methyl-2-pentyl ethanoate $C_8H_{16}O_2$ [108-84-9]	1.1×10^{-2}		Hilal et al. (2008)	Q	
2-ethylhexyl ethanoate	1.1×10^{-2}		Mackay et al. (2006c)	V	
$C_{10}H_{20}O_2$ (2-ethylhexyl acetate) [103-09-3]	1.1×10^{-2}		Mackay et al. (1995)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-methoxy-2-propyl ethanoate $C_6H_{12}O_3$ [108-65-6]	9.9×10^{-1}		Hilal et al. (2008)	Q	
2-ethoxyethyl ethanoate $C_6H_{12}O_3$ [111-15-9]	1.9		Hilal et al. (2008)	Q	
2-butoxyethyl ethanoate $C_8H_{16}O_3$ (butyl cellosolve acetate) [112-07-2]	1.8	25000	Kim et al. (2000)	M	
	1.3		Hilal et al. (2008)	Q	
2-(2-butoxyethoxy)-ethanol, ethanoate $C_{10}H_{20}O_4$ [124-17-4]	4.1×10^{1}		Hilal et al. (2008)	Q	
1,2-ethanediol, di-ethanoate $C_6H_{10}O_4$ [111-55-7]	1.3×10^{1}		Hilal et al. (2008)	Q	
methyl propanoate $C_2H_5COOCH_3$ (methyl propionate) [554-12-1]	5.7×10^{-2}		Buttery et al. (1969)	M	
	6.1×10^{-2}		Mackay et al. (2006c)	V	
	6.1×10^{-2}		Mackay et al. (1995)	V	
	6.1×10^{-2}		Hine and Mookerjee (1975)	V	
	5.4×10^{-2}	5400	Bagno et al. (1991)	T	199
	3.9×10^{-2}		Hilal et al. (2008)	Q	
	4.0×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	5.8×10^{-2}	5000	Betterton (1992)	?	209

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	5.7×10^{-2}		Abraham et al. (1990)	?	
ethyl propanoate $C_2H_5COOC_2H_5$ (ethyl propionate) [105-37-3]	3.8×10^{-2}		Mackay et al. (2006c)	V	
	3.8×10^{-2}		Mackay et al. (1995)	V	
	3.7×10^{-2}		Abraham (1984)	V	
	4.5×10^{-2}		Hine and Mookerjee (1975)	V	
	2.6×10^{-2}		Hilal et al. (2008)	Q	
	3.5×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	3.8×10^{-2}		Abraham et al. (1990)	?	
propyl propanoate $C_2H_5COOC_3H_7$ (propyl propionate) [106-36-5]	2.5×10^{-2}		Abraham (1984)	V	
	2.5×10^{-2}		Hine and Mookerjee (1975)	V	
	2.0×10^{-2}		Hilal et al. (2008)	Q	
	2.8×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	2.5×10^{-2}		Abraham et al. (1990)	?	
isopropyl propanoate $C_2H_5COOC_3H_7$ (isopropyl propionate) [637-78-5]	1.7×10^{-2}		Meylan and Howard (1991)	V	
	1.7×10^{-2}		Hine and Mookerjee (1975)	V	
	1.7×10^{-2}		Hilal et al. (2008)	Q	
	2.4×10^{-2}		Meylan and Howard (1991)	Q	
	2.5×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	1.7×10^{-2}		Abraham et al. (1990)	?	
(2-methylpropyl)-propanoate $C_7H_{14}O_2$ [540-42-1]	1.8×10^{-2}		Hilal et al. (2008)	Q	
		5900	Kühne et al. (2005)	Q	
	1.9×10^{-2}		Nirmalakhandan et al. (1997)	Q	
		7300	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
pentyl propanoate	1.4×10^{-2}		Abraham (1984)	V	
$C_2H_5COOC_5H_{11}$	1.2×10^{-2}		Hine and Mookerjee (1975)	V	
(amyl propionate)	1.2×10^{-2}		Hilal et al. (2008)	Q	
[624-54-4]	2.2×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	1.8×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	1.4×10^{-2}		Abraham et al. (1990)	?	
methyl butanoate	3.7×10^{-2}		Aprea et al. (2007)	M	
$C_3H_7COOCH_3$	4.8×10^{-2}		Buttery et al. (1969)	M	
(methyl butyrate)	3.7×10^{-2}		Amoore and Buttery (1978)	V	
[623-42-7]		5800	Della Gatta et al. (1981)	T	106
	2.8×10^{-2}		Hilal et al. (2008)	Q	
	3.2×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	4.8×10^{-2}		Abraham et al. (1990)	?	
ethyl butanoate	2.4×10^{-2}		Aprea et al. (2007)	M	
$C_3H_7COOC_2H_5$	2.4×10^{-2}		Mackay et al. (2006c)	V	
(ethyl butyrate)	2.4×10^{-2}		Mackay et al. (1995)	V	
[105-54-4]	2.8×10^{-2}		Abraham (1984)	V	
	2.7×10^{-2}		Hine and Mookerjee (1975)	V	
	2.4×10^{-2}		Savary et al. (2014)	Q	
	2.0×10^{-2}		Hilal et al. (2008)	Q	
	2.8×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	2.7×10^{-2}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
propyl butanoate	1.6×10^{-2}		Meylan and Howard (1991)	V	
$C_3H_7COOC_3H_7$	1.9×10^{-2}		Hine and Mookerjee (1975)	V	
(propyl butyrate)	1.4×10^{-2}		Hilal et al. (2008)	Q	
[105-66-8]	1.8×10^{-2}		Meylan and Howard (1991)	Q	
	2.2×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	1.9×10^{-2}		Abraham et al. (1990)	?	
butanoic acid, 2-methylpropyl ester $C_8H_{16}O_2$ [539-90-2]	1.3×10^{-2}		Hilal et al. (2008)	Q	
(2-methylpropyl)-2-methylpropanoate	1.0×10^{-2}		Amoore and Buttery (1978)	M	
$C_8H_{16}O_2$	7.2×10^{-3}		Amoore and Buttery (1978)	V	
(isobutyl isobutyrate)	1.2×10^{-2}		Hilal et al. (2008)	Q	
[97-85-8]	1.3×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	7.0×10^{-3}		Abraham et al. (1990)	?	
2-methylpropanoic acid, methyl ester	3.3×10^{-2}	5700	Bagno et al. (1991)	T	199
$C_5H_{10}O_2$ (methyl isobutyrate) [547-63-7]		5700	Della Gatta et al. (1981)	T	106
2-methylpropanoic acid, ethyl ester $C_6H_{12}O_2$ [97-62-1]	2.0×10^{-2}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
cyclohexyl butanoate		6500	Kühne et al. (2005)	Q	
$C_{10}H_{18}O_2$		5600	Kühne et al. (2005)	?	
(cyclohexyl butyrate)					
[1551-44-6]					
3-oxobutanoic acid, methyl ester	1.7×10^{1}		Hilal et al. (2008)	Q	
$C_5H_8O_3$					
[105-45-3]					
3-oxobutanoic acid, ethyl ester	1.1×10^{1}		Hilal et al. (2008)	Q	
$C_6H_{10}O_3$					
[141-97-9]					
methyl pentanoate	3.1×10^{-2}		Buttery et al. (1969)	M	
$C_4H_9COOCH_3$		6200	Della Gatta et al. (1981)	T	106
[624-24-8]	2.2×10^{-2}		Hilal et al. (2008)	Q	
	2.5×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	3.1×10^{-2}		Abraham et al. (1990)	?	
ethyl pentanoate	2.8×10^{-2}		Meylan and Howard (1991)	V	
$C_4H_9COOC_2H_5$	2.8×10^{-2}		Abraham (1984)	V	
[539-82-2]	2.9×10^{-2}		Hine and Mookerjee (1975)	V	
	1.5×10^{-2}		Hilal et al. (2008)	Q	
	1.8×10^{-2}		Meylan and Howard (1991)	Q	
	2.2×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	2.7×10^{-2}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methylbutanoic acid, ethyl ester	8.9×10^{-3}		Pollien et al. (2003)	M	
$C_7H_{14}O_2$	2.7×10^{-2}		Roberts and Pollien (1997)	M	
[7452-79-1]					
3-methylbutanoic acid, ethyl ester	1.6×10^{-2}		Hilal et al. (2008)	Q	
$C_7H_{14}O_2$					
[108-64-5]					
2,2-dimethylpropanoic acid, methyl ester	2.3×10^{-2}	6000	Bagno et al. (1991)	T	199
$C_6H_{12}O_2$		6000	Della Gatta et al. (1981)	T	106
(methyl pivalate)	1.7×10^{-2}		Hilal et al. (2008)	Q	
[598-98-1]	1.8×10^{-2}		Nirmalakhandan et al. (1997)	Q	
methyl hexanoate	1.9×10^{-2}		Aprea et al. (2007)	M	
$C_5H_{11}COOCH_3$	2.7×10^{-2}		Buttery et al. (1969)	M	
[106-70-7]	1.8×10^{-2}		Hilal et al. (2008)	Q	
	2.0×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	2.7×10^{-2}		Abraham et al. (1990)	?	
ethyl hexanoate	1.4×10^{-2}		Aprea et al. (2007)	M	
$C_5H_{11}COOC_2H_5$	1.8×10^{-2}		Abraham (1984)	V	
[123-66-0]	1.4×10^{-2}		Savary et al. (2014)	Q	
	1.1×10^{-2}		Hilal et al. (2008)	Q	
	1.7×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	1.8×10^{-2}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
ethyl heptanoate	2.0×10^{-2}		Meylan and Howard (1991)	V	
$C_6H_{13}COOC_2H_5$	2.0×10^{-2}		Abraham (1984)	V	
[106-30-9]	2.0×10^{-2}		Hine and Mookerjee (1975)	V	
	9.2×10^{-3}		Hilal et al. (2008)	Q	
	1.0×10^{-2}		Meylan and Howard (1991)	Q	
	2.1×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	2.0×10^{-2}		Abraham et al. (1990)	?	
methyl octanoate	9.9×10^{-3}		Aprea et al. (2007)	M	
$C_6H_{13}COOCH_3$	1.3×10^{-2}		Buttery et al. (1969)	M	
[111-11-5]	1.2×10^{-2}		Hilal et al. (2008)	Q	
	4.7×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	1.1×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
ethyl octanoate	1.1×10^{-2}		Aprea et al. (2007)	M	
$C_7H_{15}COOC_2H_5$	1.2×10^{-2}		Abraham (1984)	V	
[106-32-1]	7.8×10^{-3}		Savary et al. (2014)	Q	
methyl nonanoate $C_{10}H_{20}O_2$ [1731-84-6]	7.0×10^{-3}		Abraham (1984)	V	
ethyl nonanoate $C_8H_{17}COOC_2H_5$ [123-29-5]	1.3×10^{-2}		Abraham (1984)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
methyl decanoate	1.1×10^{-2}		Aprea et al. (2007)	M	
$C_{11}H_{22}O_2$	1.4×10^{-2}		Krop et al. (1997)	V	
(methyl caprate)	3.2×10^{-3}		Abraham (1984)	V	
[110-42-9]	7.7×10^{-3}		Hilal et al. (2008)	Q	
ethyl decanoate	1.4×10^{-2}		Aprea et al. (2007)	M	
$C_9H_{19}COOC_2H_5$	1.7×10^{-2}		Abraham (1984)	V	
[110-38-3]					
methyl dodecanoate	8.3×10^{-3}		Krop et al. (1997)	V	
$C_{13}H_{26}O_2$	4.8×10^{-3}		Hilal et al. (2008)	Q	
(methyl laurate) [111-82-0]					
ethyl dodecanoate	7.7×10^{-3}		Krop et al. (1997)	V	
$C_{14}H_{28}O_2$	3.1×10^{-3}		Hilal et al. (2008)	Q	
(ethyl laurate) [106-33-2]					
propyl dodecanoate	7.7×10^{-3}		Krop et al. (1997)	V	
$C_{15}H_{30}O_2$	2.1×10^{-3}		Hilal et al. (2008)	Q	
(propyl laurate) [3681-78-5]					
butyl dodecanoate	7.1×10^{-3}		Krop et al. (1997)	V	
$C_{16}H_{32}O_2$	1.5×10^{-3}		Hilal et al. (2008)	Q	
(butyl laurate) [106-18-3]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-ethylhexyl dodecanoate	3.0×10^{-3}		Krop et al. (1997)	V	
$C_{20}H_{40}O_2$ (2-ethylhexyl laurate) [20292-08-4]	8.6×10^{-4}		Hilal et al. (2008)	Q	
methyl tetradecanoate	5.0×10^{-3}		Krop et al. (1997)	V	
$C_{15}H_{30}O_2$ (methyl myristate) [124-10-7]	3.1×10^{-3}		Hilal et al. (2008)	Q	
methyl hexadecanoate	2.9×10^{-3}		Krop et al. (1997)	V	
$C_{17}H_{34}O_2$ (methyl palmitate) [112-39-0]	1.8×10^{-3}		Hilal et al. (2008)	Q	
methyl octadecanoate	1.7×10^{-3}		Krop et al. (1997)	V	
$C_{19}H_{38}O_2$ (methyl stearate) [112-61-8]	1.1×10^{-3}		Hilal et al. (2008)	Q	
methyl eicosanoate $C_{21}H_{42}O_2$ (methyl arachidate) [1120-28-1]	1.0×10^{-3}		Krop et al. (1997)	V	
methyl docosanoate $C_{23}H_{46}O_2$ (methyl behenate) [929-77-1]	5.9×10^{-4}		Krop et al. (1997)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
cyclopropanecarboxylic acid, methyl ester	4.1×10^{-1}	6100	Bagno et al. (1991)	T	199
$C_5H_8O_2$ [2868-37-3]	1.1×10^{-1}		Hilal et al. (2008)	Q	
cyclohexanecarboxylic acid, methyl ester $C_6H_{11}COOCH_3$ [4630-82-4]	1.1×10^{-1}	7200	Bagno et al. (1991)	T	199
(*Z*,*Z*,*Z*)-9,12,15-octadecatrienoic acid, methyl ester	2.8×10^{-1}		Krop et al. (1997)	V	
$C_{19}H_{32}O_2$ (methyl linolenate) [301-00-8]	7.2×10^{-3}		Hilal et al. (2008)	Q	
(*Z*,*Z*)-9,12-octadecadienoic acid, methyl ester	6.2×10^{-2}		Krop et al. (1997)	V	
$C_{19}H_{34}O_2$ (methyl linolate) [112-63-0]	4.8×10^{-3}		Hilal et al. (2008)	Q	
(*Z*)-9-octadecenoic acid, methyl ester	1.3×10^{-2}		Krop et al. (1997)	V	
$C_{19}H_{36}O_2$ (methyl oleate) [112-62-9]	2.5×10^{-3}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
(*Z*)-13-docosenoic acid, methyl ester	5.3×10^{-3}		Krop et al. (1997)	V	
$C_{23}H_{44}O_2$ (methyl erucate) [1120-34-9]	8.2×10^{-4}		Hilal et al. (2008)	Q	
oxacyclohexadecan-2-one	4.0×10^{-3}		Amoore and Buttery (1978)	M	
$C_{15}H_{28}O_2$ (pentadecalactone) [106-02-5]	7.6×10^{-2}		Amoore and Buttery (1978)	V	
2-tert-butylcyclohexyl acetate	9.9×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{22}O_2$ [88-41-5]	3.8×10^{-2}		Zhang et al. (2010)	Q	113, 115
	5.3×10^{-1}		Zhang et al. (2010)	Q	113, 116
	7.0×10^{-3}		Zhang et al. (2010)	Q	113, 117
2-ethyl-3-oxo-butanoic acid, ethyl ester $C_8H_{14}O_3$ [607-97-6]	3.4		Hilal et al. (2008)	Q	
carbonic acid, diethyl ester $C_5H_{10}O_3$ [105-58-8]	6.9×10^{-2}		Hilal et al. (2008)	Q	
2-hydroxypropanoic acid, butyl ester $C_7H_{14}O_3$ [138-22-7]	6.4×10^{1}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
methyl propenoate	5.2×10^{-2}		Mackay et al. (2006c)	V	
$C_4H_6O_2$	5.2×10^{-2}		Mackay et al. (1995)	V	
(methyl acrylate) [96-33-3]	5.4×10^{-2}		Hilal et al. (2008)	Q	
ethyl propenoate	2.9×10^{-2}		Mackay et al. (2006c)	V	
$C_5H_8O_2$	2.9×10^{-2}		Mackay et al. (1995)	V	
(ethyl acrylate) [140-88-5]	3.5×10^{-2}		Hilal et al. (2008)	Q	
2-propenoic acid, butyl ester $C_7H_{12}O_2$ [141-32-2]	2.0×10^{-2}		Hilal et al. (2008)	Q	
2-propenoic acid, 2-methylpropyl ester $C_7H_{12}O_2$ [106-63-8]	2.4×10^{-2}		Hilal et al. (2008)	Q	
2-propenoic acid, 2-ethylhexyl ester $C_{11}H_{20}O_2$ [103-11-7]	1.2×10^{-2}		Hilal et al. (2008)	Q	
2-methyl-2-propenoic acid, ethyl ester	1.6×10^{-2}		Hilal et al. (2008)	C	
$C_6H_{10}O_2$ [97-63-2]	2.9×10^{-2}		Hilal et al. (2008)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methyl-2-propenoic acid, butyl ester $C_8H_{14}O_2$ (butyl methacrylate) [97-88-1]	1.8×10^{-2}		Hilal et al. (2008)	Q	
2-methyl-2-propenoic acid, 2-methylpropyl ester $C_8H_{14}O_2$ [97-86-9]	2.1×10^{-2}		Hilal et al. (2008)	Q	
methyl methacrylate	4.3×10^{-2}	7700	Hiatt (2013)	M	
$C_5H_8O_2$	3.1×10^{-2}		Mackay et al. (2006c)	V	
[80-62-6]	3.0×10^{-2}		Lide and Frederikse (1995)	V	
	3.1×10^{-2}		Mackay et al. (1995)	V	
	4.4×10^{-2}		Hilal et al. (2008)	Q	
(*E*)-3-hexenyl ethanoate $C_8H_{14}O_2$ [3681-82-1]	3.3×10^{-2}		Karl et al. (2003)	M	
(*Z*)-3-hexenyl ethanoate $C_8H_{14}O_2$ [3681-71-8]	3.1×10^{-2}		Karl et al. (2003)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
ethenyl ethanoate	1.6×10^{-2}		Mackay et al. (2006c)	V	
$CH_3COOCHCH_2$	2.0×10^{-2}		Lide and Frederikse (1995)	V	
(vinyl acetate)	1.6×10^{-2}		Mackay et al. (1995)	V	
[108-05-4]	1.7×10^{-2}		Goldstein (1982)	X	158
	1.7×10^{-2}	2600	Goldstein (1982)	X	122
	6.9×10^{-2}		Hilal et al. (2008)	Q	
methyl benzoate	3.0×10^{-1}		Mackay et al. (2006c)	V	
$C_6H_5COOCH_3$	3.0×10^{-1}		Mackay et al. (1995)	V	
[93-58-3]	2.8×10^{-1}		Meylan and Howard (1991)	V	
	5.6×10^{-1}		Hine and Mookerjee (1975)	V	
	3.1×10^{-1}		Abraham et al. (1994)	R	
	5.8×10^{-1}	6300	Bagno et al. (1991)	T	199
	2.9×10^{-1}		Zhang et al. (2010)	Q	113, 114
	3.6×10^{-1}		Zhang et al. (2010)	Q	113, 115
	9.5×10^{-1}		Zhang et al. (2010)	Q	113, 116
	6.1×10^{-1}		Zhang et al. (2010)	Q	113, 117
	2.9×10^{-1}		Hilal et al. (2008)	Q	
		5100	Kühne et al. (2005)	Q	
	2.8×10^{-1}		Meylan and Howard (1991)	Q	
	2.7×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		3500	Kühne et al. (2005)	?	
	5.6×10^{-1}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
ethyl benzoate	9.7×10^{-2}		Mackay et al. (2006c)	V	
$C_6H_5COOC_2H_5$	9.7×10^{-2}		Mackay et al. (1995)	V	
[93-89-0]	1.9×10^{-1}		Abraham et al. (1994)	R	
	2.1×10^{-1}		Zhang et al. (2010)	Q	113, 114
	2.1×10^{-1}		Zhang et al. (2010)	Q	113, 115
	5.1×10^{-1}		Zhang et al. (2010)	Q	113, 116
	4.8×10^{-1}		Zhang et al. (2010)	Q	113, 117
	1.9×10^{-1}		Hilal et al. (2008)	Q	
	2.2×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	1.9×10^{-1}		Abraham et al. (1990)	?	
2-hydroxybenzoic acid methyl ester	1.8×10^{1}		Hilal et al. (2008)	Q	
$C_8H_8O_3$					
[119-36-8]					
benzoic acid, 4-methyl-, methyl ester	2.6×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_9H_{10}O_2$	3.9×10^{-1}		Zhang et al. (2010)	Q	113, 115
[99-75-2]	1.7		Zhang et al. (2010)	Q	113, 116
	3.5×10^{-1}		Zhang et al. (2010)	Q	113, 117
1,4-benzenedicarboxylic acid, dimethyl ester	4.4×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_{10}O_4$	1.3×10^{2}		Zhang et al. (2010)	Q	113, 115
[120-61-6]	5.3×10^{1}		Zhang et al. (2010)	Q	113, 116
	9.2×10^{1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
butyl benzoate	1.2×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{11}H_{14}O_2$	1.0×10^{-1}		Zhang et al. (2010)	Q	113, 115
[136-60-7]	5.2×10^{-1}		Zhang et al. (2010)	Q	113, 116
	3.2×10^{-1}		Zhang et al. (2010)	Q	113, 117
diphenyl carbonate	1.2×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{13}H_{10}O_3$	1.6×10^{1}		Zhang et al. (2010)	Q	113, 115
[102-09-0]	9.5×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.2×10^{2}		Zhang et al. (2010)	Q	113, 117
benzyl benzoate	1.8		Mackay et al. (2006c)	V	
$C_{14}H_{12}O_2$	1.8		Mackay et al. (1995)	V	
[120-51-4]					
dimethyl phthalate	9.3×10^{1}		Mackay et al. (2006c)	V	
$C_{10}H_{10}O_4$	2.0×10^{1}		Saçan et al. (2005)	V	
[131-11-3]	1.0×10^{2}		Cousins and Mackay (2000)	V	
	8.1×10^{1}		Staples et al. (1997)	V	
	9.1×10^{1}		Lide and Frederikse (1995)	V	
	9.1×10^{1}		Mackay et al. (1995)	V	
	5.0×10^{1}		Hwang et al. (1992)	V	
	9.0		Wolfe et al. (1980)	V	
	2.9×10^{1}		Goldstein (1982)	X	158
	3.0×10^{1}	5700	Goldstein (1982)	X	122
	2.3×10^{1}		McCarty (1980)	X	145
	5.0×10^{1}		Ryan et al. (1988)	C	
	1.7×10^{2}		Hilal et al. (2008)	Q	
	9.6		Saçan et al. (2005)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
diethyl phthalate	2.2×10^{1}		Mackay et al. (2006c)	V	
$C_{12}H_{14}O_4$	4.1×10^{1}		Cousins and Mackay (2000)	V	
[84-66-2]	3.7×10^{1}		Staples et al. (1997)	V	
	2.1×10^{1}		Lide and Frederikse (1995)	V	
	1.0×10^{2}		Mackay et al. (1995)	V	
	4.9×10^{2}		Wolfe et al. (1980)	V	
	1.2×10^{1}		Goldstein (1982)	X	158
	1.2×10^{1}	5600	Goldstein (1982)	X	122
	2.1×10^{-1}		Ryan et al. (1988)	C	
	5.8×10^{-1}		Petrasek et al. (1983)	C	
	2.5×10^{1}		Zhang et al. (2010)	Q	113, 114
	1.5×10^{2}		Zhang et al. (2010)	Q	113, 115
	2.7×10^{2}		Zhang et al. (2010)	Q	113, 116
	5.6×10^{1}		Zhang et al. (2010)	Q	113, 117
	7.7×10^{1}		Hilal et al. (2008)	Q	
		12000	Kühne et al. (2005)	Q	
	5.8		Saçan et al. (2005)	Q	
		12000	Kühne et al. (2005)	?	
dipropyl phthalate	1.8×10^{1}		Cousins and Mackay (2000)	V	210
$C_{14}H_{18}O_4$	3.3		Cousins and Mackay (2000)	V	210
[131-16-8]	3.2×10^{1}		Staples et al. (1997)	V	
	2.4×10^{1}		Saçan et al. (2005)	Q	
diallyl phthalate	3.5×10^{1}		Saçan et al. (2005)	V	
$C_{14}H_{14}O_4$	2.3×10^{1}		Cousins and Mackay (2000)	V	
[131-17-9]	3.5×10^{1}		Staples et al. (1997)	V	
	1.7×10^{1}		Saçan et al. (2005)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
bis(2-methoxyethyl) phthalate $C_{14}H_{18}O_5$ [117-82-8]	2.3×10^{1}		Fishbein and Albro (1972)	V	9
dibutyl phthalate	9.3		Lee et al. (2012)	M	
$C_{16}H_{22}O_4$	5.5		Atlas et al. (1983)	M	129
[84-74-2]	2.2×10^{1}		Mackay et al. (2006c)	V	
	2.7×10^{1}		Saçan et al. (2005)	V	
	7.5		Cousins and Mackay (2000)	V	
	1.1×10^{1}		Staples et al. (1997)	V	
	2.2×10^{1}		Lide and Frederikse (1995)	V	
	2.0×10^{1}		Mackay et al. (1995)	V	
	2.6×10^{2}		Hwang et al. (1992)	V	
	7.6		Wolfe et al. (1980)	V	
	1.6×10^{-1}		McCarty (1980)	X	145
	3.4×10^{1}		Ryan et al. (1988)	C	
	2.9×10^{1}		Hilal et al. (2008)	Q	
		14000	Kühne et al. (2005)	Q	
	3.7×10^{1}		Saçan et al. (2005)	Q	
		13000	Kühne et al. (2005)	?	
diisobutyl phthalate	7.5		Cousins and Mackay (2000)	V	
$C_{16}H_{22}O_4$	5.4×10^{1}		Staples et al. (1997)	V	
[84-69-5]	3.1×10^{1}		Saçan et al. (2005)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
butyl benzyl phthalate	1.0×10^{2}		Lee et al. (2012)	M	
$C_{19}H_{20}O_4$	7.5		Mackay et al. (2006c)	V	
[85-68-7]	1.9×10^{1}		Saçan et al. (2005)	V	
	4.9		Cousins and Mackay (2000)	V	
	1.3×10^{1}		Staples et al. (1997)	V	
	7.8		Mackay et al. (1995)	V	
	9.6		Ryan et al. (1988)	C	
	3.2×10^{1}		Saçan et al. (2005)	Q	
			Petrasek et al. (1983)	E	211
dihexyl phthalate	1.4		Cousins and Mackay (2000)	V	
$C_{20}H_{30}O_4$	2.2×10^{-1}		Staples et al. (1997)	V	
[84-75-3]	1.6×10^{1}		Saçan et al. (2005)	Q	
butyl 2-ethylhexyl phthalate	2.1		Cousins and Mackay (2000)	V	
$C_{20}H_{30}O_4$	2.5×10^{1}		Staples et al. (1997)	V	
[85-69-8]	6.9×10^{1}		Saçan et al. (2005)	Q	
diphenyl terephthalate	3.2×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_{20}H_{14}O_4$	4.3×10^{4}		Zhang et al. (2010)	Q	113, 115
[1539-04-4]	2.7×10^{4}		Zhang et al. (2010)	Q	113, 116
	7.7×10^{4}		Zhang et al. (2010)	Q	113, 117
diheptyl phthalate	5.9×10^{-1}		Cousins and Mackay (2000)	V	
$C_{22}H_{34}O_4$ [3648-21-3]	8.9×10^{-1}		Saçan et al. (2005)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
dioctyl phthalate	9.6×10^{-2}		Mackay et al. (2006c)	V	
$C_{24}H_{38}O_4$	2.5×10^{-1}		Cousins and Mackay (2000)	V	
[117-84-0]	9.6×10^{-2}		Staples et al. (1997)	V	
	1.8		Mackay et al. (1995)	V	
	1.8		Wolfe et al. (1980)	V	
	3.4×10^{1}		Ryan et al. (1988)	C	
	6.4		Saçan et al. (2005)	Q	
			Petrasek et al. (1983)	E	212
diisooctyl phthalate	2.5×10^{-1}		Cousins and Mackay (2000)	V	
$C_{24}H_{38}O_4$ [27554-26-3]	1.5×10^{2}		Saçan et al. (2005)	Q	
decyl hexyl phthalate $C_{24}H_{38}O_4$ [25724-58-7]	1.6×10^{2}		Saçan et al. (2005)	Q	
di-(2-ethylhexyl)-phthalate	5.8×10^{-1}		Mackay et al. (2006c)	V	
$C_{24}H_{38}O_4$	1.4×10^{1}		Saçan et al. (2005)	V	
(DEHP)	2.5×10^{-1}		Cousins and Mackay (2000)	V	
[117-81-7]	5.8×10^{-1}		Staples et al. (1997)	V	
	3.7×10^{1}		Mackay et al. (1995)	V	
	6.7×10^{-1}		Meylan and Howard (1991)	V	
	5.4×10^{-2}		Riederer (1990)	V	
	2.2×10^{1}		Wolfe et al. (1980)	V	
	3.4×10^{1}		Ryan et al. (1988)	C	
	8.2×10^{1}		Petrasek et al. (1983)	C	
	2.5×10^{1}		Saçan et al. (2005)	Q	
	8.4×10^{-1}		Meylan and Howard (1991)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
dinonyl phthalate $C_{26}H_{42}O_4$ [84-76-4]	1.1×10^{-1} 3.0×10^{1}		Cousins and Mackay (2000) Saçan et al. (2005)	V Q	
diisononyl phthalate $C_{26}H_{42}O_4$ [28553-12-0]	1.1×10^{-1} 3.3×10^{1}		Cousins and Mackay (2000) Saçan et al. (2005)	V Q	
didecyl phthalate $C_{28}H_{46}O_4$ [84-77-5]	4.6×10^{-2}		Cousins and Mackay (2000)	V	
diisodecyl phthalate $C_{28}H_{46}O_4$ [26761-40-0]	3.8×10^{1} 4.6×10^{-2} 2.4×10^{1}		Saçan et al. (2005) Cousins and Mackay (2000) Saçan et al. (2005)	V V Q	
diundecyl phthalate $C_{30}H_{50}O_4$ [3648-20-2]	3.3×10^{1} 2.0×10^{-2} 1.4×10^{1}		Saçan et al. (2005) Cousins and Mackay (2000) Saçan et al. (2005)	V V Q	
ditridecyl phthalate $C_{34}H_{58}O_4$ [119-06-2]	3.6×10^{-3} 7.9×10^{1}		Cousins and Mackay (2000) Saçan et al. (2005)	V Q	
ethanedioic acid, dimethyl ester $C_4H_6O_4$ (dimethyl oxalate) [553-90-2]	6.9		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
propanedioic acid, dimethyl ester $C_5H_8O_4$ (dimethyl malonate) [108-59-8]	3.8×10^{1}	11000	Katrib et al. (2003)	M	
propanedioic acid, diethyl ester $C_7H_{12}O_4$ (diethyl malonate) [105-53-3]	3.9	 5900 6400	Hilal et al. (2008) Kühne et al. (2005) Kühne et al. (2005)	Q Q ?	
butanedioic acid, dimethyl ester $C_6H_{10}O_4$ (dimethyl succinate) [106-65-0]	3.0×10^{1}	8500 7100 7000	Katrib et al. (2003) Kühne et al. (2005) Kühne et al. (2005)	M Q ?	
diethyl succinate $C_8H_{14}O_4$ [123-25-1]	4.0		Hilal et al. (2008)	Q	
(*Z*)-2-butenedioic acid dimethyl ester $C_6H_8O_4$ [624-48-6]	2.3×10^{1}		Hilal et al. (2008)	Q	
diethyl pimelate $C_{11}H_{20}O_4$ [2050-20-6]	1.5		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,3-benzenedicarboxylic acid, diethyl ester	2.5×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{14}O_4$	1.9×10^{1}		Zhang et al. (2010)	Q	113, 115
[636-53-3]	2.9×10^{7}		Zhang et al. (2010)	Q	113, 116
	5.6×10^{1}		Zhang et al. (2010)	Q	113, 117
2,6-naphthalenedicarboxylic acid, dimethyl ester	4.5×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_{12}O_4$	2.5×10^{3}		Zhang et al. (2010)	Q	113, 115
[840-65-3]	2.6×10^{7}		Zhang et al. (2010)	Q	113, 116
	1.3×10^{3}		Zhang et al. (2010)	Q	113, 117
di-(2-ethylhexyl)-adipate $C_{22}H_{42}O_4$ [103-23-1]	4.3×10^{-1}		Hilal et al. (2008)	Q	
peroxybenzoic acid, tert-butyl ester	4.7×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{11}H_{14}O_3$	1.8×10^{-1}		Zhang et al. (2010)	Q	113, 115
[614-45-9]	8.2		Zhang et al. (2010)	Q	113, 116
	5.4		Zhang et al. (2010)	Q	113, 117
neodecaneperoxoic acid, 1,1-dimethylethyl ester	9.9×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_{28}O_3$	4.7×10^{-3}		Zhang et al. (2010)	Q	113, 115
[26748-41-4]	1.2×10^{-1}		Zhang et al. (2010)	Q	113, 116
	2.3×10^{-2}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
neoheptaneperoxoic acid, 1-methyl-1-phenylethyl ester	3.8×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_{24}O_3$	9.0×10^{-2}		Zhang et al. (2010)	Q	113, 115
[130097-36-8]	2.5		Zhang et al. (2010)	Q	113, 116
	1.3		Zhang et al. (2010)	Q	113, 117
Ethers (ROR)					
dimethyl ether	7.6×10^{-2}		Mackay et al. (2006c)	V	
CH_3OCH_3	1.3×10^{-1}		Mackay et al. (1993)	V	
[115-10-6]	9.9×10^{-3}		Hine and Mookerjee (1975)	V	
	9.8×10^{-3}		Hine and Weimar (1965)	R	
	1.0×10^{-2}	4900	Bagno et al. (1991)	T	199
	1.8×10^{-2}		Hilal et al. (2008)	Q	
	2.2×10^{-3}		Nirmalakhandan et al. (1997)	Q	
	9.9×10^{-3}		Abraham et al. (1990)	?	
ethyl methyl ether	1.4×10^{-2}		Bagno et al. (1991)	T	199
$C_2H_5OCH_3$	1.5×10^{-2}		Hilal et al. (2008)	Q	
[540-67-0]	1.9×10^{-3}		Nirmalakhandan et al. (1997)	Q	
	8.9×10^{-3}		Saxena and Hildemann (1996)	E	156
diethyl ether	5.0×10^{-3}		Steward et al. (1973)	L	20
$C_2H_5OC_2H_5$	1.1×10^{-2}	6600	Hiatt (2013)	M	
[60-29-7]	9.5×10^{-2}		Helburn et al. (2008)	M	
	1.1×10^{-2}		Nielsen et al. (1994)	M	
	7.0×10^{-3}	3900	Lamarche and Droste (1989)	M	138
	6.3×10^{-3}		Guitart et al. (1989)	M	20
	7.8×10^{-3}		Signer et al. (1969)	M	
	1.1×10^{-2}		Mackay et al. (2006c)	V	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.1×10^{-2}		Mackay et al. (1993)	V	
	8.7×10^{-3}		Hwang et al. (1992)	V	
	1.1×10^{-2}		Hine and Weimar (1965)	V	
	1.1×10^{-2}		Butler and Ramchandani (1935)	V	
	6.0×10^{-3}	5700	Bagno et al. (1991)	T	199
	7.0×10^{-3}		Hilal et al. (2008)	Q	
		5300	Kühne et al. (2005)	Q	
	1.7×10^{-3}		Nirmalakhandan et al. (1997)	Q	
		5700	Kühne et al. (2005)	?	
	7.7×10^{-3}		Hoff et al. (1993)	?	11
	6.0×10^{-3}		Abraham et al. (1990)	?	
diethyl ether-d10 $C_2D_5OC_2D_5$ [2679-89-2]	1.3×10^{-2}	6500	Hiatt (2013)	M	
methyl propyl ether	6.7×10^{-3}		Meylan and Howard (1991)	V	
$CH_3OC_3H_7$	6.7×10^{-3}		Hine and Mookerjee (1975)	V	
[557-17-5]	1.1×10^{-2}		Hilal et al. (2008)	Q	
	1.5×10^{-3}		Nirmalakhandan et al. (1997)	Q	
	6.5×10^{-3}		Meylan and Howard (1991)	Q	
methyl 2-propyl ether	1.2×10^{-2}		Hine and Mookerjee (1975)	V	
$CH_3OC_3H_7$ (methyl isopropyl ether) [598-53-8]	8.2×10^{-3}		Hilal et al. (2008)	Q	
divinyl ether	5.4×10^{-4}		Steward et al. (1973)	L	20
C_4H_6O	3.8×10^{-4}		Hilal et al. (2008)	Q	
[109-93-3]	2.0×10^{-3}		Nirmalakhandan et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
methyl butyl ether $C_5H_{12}O$ [628-28-4]	4.4×10^{-3}		Amoore and Buttery (1978)	V	
2-methoxybutane $C_5H_{12}O$ [6795-87-5]	6.2×10^{-3}		Hilal et al. (2008)	Q	
methyl *tert*-butyl ether	1.7×10^{-2}	9100	Hiatt (2013)	M	
$CH_3OC(CH_3)_3$	3.2×10^{-2}		Zhang et al. (2013)	M	
(MTBE)	1.1×10^{-2}	4800	Sieg et al. (2009)	M	
[1634-04-4]	1.2×10^{-2}	5000	Arp and Schmidt (2004)	M	213
	1.4×10^{-2}	4500	Fischer et al. (2004)	M	
	7.2×10^{-3}	3200	Bierwagen and Keller (2001)	M	
	1.7×10^{-2}		Miller and Stuart (2000)	M	129
	2.3×10^{-2}		Park et al. (1997)	M	
	1.6×10^{-2}	7700	Robbins et al. (1993)	M	
	1.4×10^{-2}		Mackay et al. (2006c)	V	
	1.6×10^{-2}		Park et al. (1997)	V	
	1.4×10^{-2}		Mackay et al. (1993)	V	
	2.0×10^{-2}		Hwang et al. (1992)	V	
	1.7×10^{-2}		Guthrie (1973)	V	
	1.7×10^{-2}		Bagno et al. (1991)	T	199
	3.9×10^{-3}		Hilal et al. (2008)	Q	
		6300	Kühne et al. (2005)	Q	
	8.6×10^{-4}		Nirmalakhandan et al. (1997)	Q	
		6000	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
ethyl propyl ether	8.6×10^{-3}		Hine and Mookerjee (1975)	V	
$C_2H_5OC_3H_7$	8.6×10^{-3}		Butler and Ramchandani (1935)	V	
[628-32-0]	7.7×10^{-3}		Howard and Meylan (1997)	X	158
	7.9×10^{-3}		Hilal et al. (2008)	Q	
1-ethoxy-butane	6.4×10^{-3}		Miller and Stuart (2000)	M	129
$C_6H_{14}O$	7.8×10^{-3}		Mackay et al. (2006c)	V	
(ethyl butyl ether)	7.8×10^{-3}		Mackay et al. (1993)	V	
[628-81-9]		5900	Kühne et al. (2005)	Q	
		5000	Kühne et al. (2005)	?	
ethyl *tert*-butyl ether	6.3×10^{-3}	6600	Sieg et al. (2009)	M	
$C_2H_5OC(CH_3)_3$	6.1×10^{-3}	6500	Arp and Schmidt (2004)	M	
(ETBE)	4.2×10^{-3}		Miller and Stuart (2000)	M	129
[637-92-3]	3.7×10^{-3}	7600	Pankow et al. (1996)	?	
2-methoxy-2-methylbutane	8.6×10^{-3}	6500	Arp and Schmidt (2004)	M	
$C_6H_{14}O$	5.2×10^{-3}		Miller and Stuart (2000)	M	129
(*tert*-amyl methyl ether)	1.0×10^{-2}		Dohnal and Hovorka (1999)	M	
[994-05-8]	7.0×10^{-3}		Park et al. (1997)	M	
	8.1×10^{-3}		Park et al. (1997)	V	
		6600	Kühne et al. (2005)	Q	
		6900	Kühne et al. (2005)	?	
	5.0×10^{-3}	7600	Pankow et al. (1996)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
dipropyl ether	3.0×10^{-3}		Li and Carr (1993)	M	
$C_3H_7OC_3H_7$	2.9×10^{-3}		Li et al. (1993)	M	
[111-43-3]	2.2×10^{-3}	9100	Hartkopf and Karger (1973)	M	
	3.9×10^{-3}		Mackay et al. (2006c)	V	
	3.9×10^{-3}		Mackay et al. (1993)	V	
	5.7×10^{-3}		Hwang et al. (1992)	V	
	2.9×10^{-3}		Hine and Mookerjee (1975)	V	
	2.8×10^{-3}		Butler and Ramchandani (1935)	V	
	6.0×10^{-3}		Hilal et al. (2008)	Q	
		5900	Kühne et al. (2005)	Q	
	1.0×10^{-3}		Nirmalakhandan et al. (1997)	Q	
		7300	Kühne et al. (2005)	?	
	1.9×10^{-3}		Hoff et al. (1993)	?	11
	4.5×10^{-3}		Yaws and Yang (1992)	?	98
	2.9×10^{-3}		Abraham et al. (1990)	?	
diisopropyl ether	3.9×10^{-3}	6400	Arp and Schmidt (2004)	M	
$C_3H_7OC_3H_7$	4.3×10^{-3}		Miller and Stuart (2000)	M	129
[108-20-3]	4.7×10^{-3}		Dohnal and Hovorka (1999)	M	
	4.8×10^{-3}		Nielsen et al. (1994)	M	
	4.2×10^{-3}		Li and Carr (1993)	M	
	4.4×10^{-3}		Li et al. (1993)	M	
	2.8×10^{-3}		Guitart et al. (1989)	M	20
	3.9×10^{-3}		Mackay et al. (2006c)	V	
	3.1×10^{-3}	6400	Pankow et al. (1996)	V	
	3.9×10^{-3}		Mackay et al. (1993)	V	
	9.9×10^{-4}		Hine and Mookerjee (1975)	V	
	9.8×10^{-4}		Hine and Weimar (1965)	V	
	3.7×10^{-3}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		6600	Kühne et al. (2005)	Q	
	8.0×10^{-4}		Nirmalakhandan et al. (1997)	Q	
		7200	Kühne et al. (2005)	?	
	5.7×10^{-3}		Yaws and Yang (1992)	?	98
	9.9×10^{-4}		Abraham et al. (1990)	?	
2-ethyl-2-ethoxypropane $C_7H_{16}O$ [919-94-8]	2.4×10^{-3}		Hilal et al. (2008)	Q	
dibutyl ether	2.2×10^{-3}		Li and Carr (1993)	M	
$C_4H_9OC_4H_9$	1.3×10^{-3}		Li et al. (1993)	M	
[142-96-1]	2.1×10^{-3}		Mackay et al. (2006c)	V	
	2.1×10^{-3}		Mackay et al. (1993)	V	
	1.6×10^{-3}		Pierotti et al. (1959)	X	162
	3.1×10^{-3}		Hilal et al. (2008)	Q	
		6600	Kühne et al. (2005)	Q	
	6.4×10^{-4}		Nirmalakhandan et al. (1997)	Q	
		7000	Kühne et al. (2005)	?	
	1.6×10^{-3}		Abraham et al. (1990)	?	
diisobutyl ether $C_8H_{18}O$ [628-55-7]	3.7×10^{-3}		Hilal et al. (2008)	Q	
1,1'-oxybispentane $C_{10}H_{22}O$ [693-65-2]	2.7×10^{-3}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,1'-oxybis[3-methylbutane $C_{10}H_{22}O$ [544-01-4]	3.3×10^{-3}		Hilal et al. (2008)	Q	
1,1'-oxybishexane $C_{12}H_{26}O$ [112-58-3]	1.8×10^{-3}		Hilal et al. (2008)	Q	
1-ethoxy-3,7-dimethyloctane	6.7×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{26}O$	5.3×10^{-3}		Zhang et al. (2010)	Q	113, 115
[22810-10-2]	1.3×10^{-3}		Zhang et al. (2010)	Q	113, 116
	2.5×10^{-4}		Zhang et al. (2010)	Q	113, 117
methoxycyclohexane $C_7H_{14}O$ [931-56-6]	3.1×10^{-2}		Hilal et al. (2008)	Q	
methyl cedryl ether	2.5×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_{28}O$	2.4×10^{-3}		Zhang et al. (2010)	Q	113, 115
[19870-74-7]	7.7×10^{-3}		Zhang et al. (2010)	Q	113, 116
	1.2×10^{-3}		Zhang et al. (2010)	Q	113, 117
dimethoxymethane	5.7×10^{-2}		Pierotti et al. (1959)	X	162
$CH_3OCH_2OCH_3$	2.3×10^{-1}		Hilal et al. (2008)	Q	
[109-87-5]					
trimethoxymethane $HC(OCH_3)_3$ [149-73-5]	6.9×10^{-1}		Guthrie (1973)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,1-diethoxyethane	1.0×10^{-1}		Hine and Mookerjee (1975)	V	
$(C_2H_5O)_2CHCH_3$	5.7×10^{-2}		Hilal et al. (2008)	Q	
[105-57-7]					
1,2-diethoxyethane	1.6×10^{-1}		Hine and Mookerjee (1975)	V	
$C_2H_5OC_2H_4OC_2H_5$	1.2×10^{-1}		Howard and Meylan (1997)	X	158
[629-14-1]	3.9×10^{-1}		Hilal et al. (2008)	Q	
1,1,1-trimethoxyethane	6.4×10^{-1}		Guthrie (1973)	V	
$CH_3C(OCH_3)_3$					
[1445-45-0]					
1,2-dimethoxyethane	1.4	7100	Cabani et al. (1978)	T	
$C_4H_{10}O_2$	5.3×10^{-1}		Hilal et al. (2008)	Q	
[110-71-4]					
3-oxa-1-hexanol	2.0×10^{1}	8400	Cabani et al. (1978)	T	
$C_5H_{12}O_2$	1.0×10^{1}		Hilal et al. (2008)	Q	
(2-propoxyethanol)	5.8		Nirmalakhandan et al. (1997)	Q	
[2807-30-9]					
3-oxa-1-heptanol	3.5	7700	Hiatt (2013)	M	
$C_6H_{14}O_2$	1.3×10^{1}	8300	Kim et al. (2000)	M	
(2-butoxyethanol; butyl cellosolve)	1.6×10^{1}	8900	Cabani et al. (1978)	T	
[111-76-2]	7.7		Hilal et al. (2008)	Q	
	4.5		Nirmalakhandan et al. (1997)	Q	
1-methoxy-2-propanol	1.1×10^{1}		Hilal et al. (2008)	C	
$C_4H_{10}O_2$	1.2×10^{1}		Hilal et al. (2008)	Q	
[107-98-2]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-methyl-3-oxa-1-pentanol	7.9		Hilal et al. (2008)	Q	
$C_5H_{12}O_2$					
[109-59-1]					
1,2-dibutoxyethane	1.4×10^{-1}		Hilal et al. (2008)	Q	
$C_{10}H_{22}O_2$					
[112-48-1]					
3,6-dioxa-1-decanol	1.4×10^{3}		Kim et al. (2000)	M	
$C_8H_{18}O_3$					
(butyl carbitol)					
[112-34-5]					
1,1'-[oxybis(2,1-ethanediyloxy)]bisbutane	3.5		Hilal et al. (2008)	Q	
$C_{12}H_{26}O_3$					
[112-73-2]					
vinylisobutyl ether	1.9×10^{-4}		Hilal et al. (2008)	Q	
$C_6H_{12}O$					
[109-53-5]					
methoxybenzene	2.9×10^{-2}	4200	Brockbank et al. (2013)	M	
$C_6H_5OCH_3$	2.6×10^{-2}	4800	Dewulf et al. (1999)	M	
(anisole)	3.2×10^{-2}		Li and Carr (1993)	M	
[100-66-3]	3.1×10^{-2}		Mackay et al. (2006c)	V	
	4.0×10^{-2}		Mackay et al. (1993)	V	
	2.3×10^{-3}		Hine and Mookerjee (1975)	V	
	2.3×10^{-3}		Hine and Weimar (1965)	R	
	6.9×10^{-2}		Schüürmann (2000)	C	11
	9.0×10^{-3}		Hilal et al. (2008)	Q	
		4500	Kühne et al. (2005)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.2×10^{-2}		Nirmalakhandan et al. (1997)	Q	
		4300	Kühne et al. (2005)	?	
	2.5×10^{-2}		Abraham et al. (1990)	?	
ethoxybenzene	1.7×10^{-2}		Li and Carr (1993)	M	
$C_8H_{10}O$	2.3×10^{-2}		Mackay et al. (2006c)	V	
(phenetole)	6.5×10^{-3}		Hilal et al. (2008)	Q	
[103-73-1]	1.0×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	1.7×10^{-2}		Abraham et al. (1990)	?	
1,2-dimethoxybenzene		5100	Kühne et al. (2005)	Q	
$C_8H_{10}O_2$		2400	Kühne et al. (2005)	?	
[91-16-7]					
2-phenoxyethanol	3.4×10^{1}		Hilal et al. (2008)	Q	
$C_8H_{10}O_2$					
[122-99-6]					
2-(phenylmethoxy)-ethanol	1.5×10^{2}		Hilal et al. (2008)	Q	
$C_9H_{12}O_2$					
[622-08-2]					
1,2,3-trimethoxybenzene	3.6		Schüürmann (2000)	V	
$C_9H_{12}O_3$					
[634-36-6]					
1-methoxy-4-(1-propenyl)-benzene	9.9×10^{-2}	6200	van Roon et al. (2005)	V	
$C_{10}H_{12}O$	2.0×10^{-2}		Hilal et al. (2008)	Q	
(anethole)					
[104-46-1]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methoxy-4-(2-propenyl)-phenol	7.2	9700	van Roon et al. (2005)	V	
$C_{10}H_{12}O_2$					
(eugenol)					
[97-53-0]					
1,2-dimethoxy-4-(2-propenyl)-benzene	3.6		Hilal et al. (2008)	Q	
$C_{11}H_{14}O_2$					
[93-15-2]					
diphenyl ether	3.7×10^{-2}		Mackay et al. (2006c)	V	
$C_{12}H_{10}O$	1.1×10^{-1}		Kurz and Ballschmiter (1999)	V	
[101-84-8]	3.7×10^{-2}		Mackay et al. (1993)	V	
	1.7×10^{-2}		Hilal et al. (2008)	Q	
(phenoxymethyl)-oxirane	6.1×10^{-1}		Hilal et al. (2008)	Q	
$C_9H_{10}O_2$					
[122-60-1]					
1-dodecyl-4-phenoxybenzene	3.4×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_{24}H_{34}O$	1.4×10^{-3}		Zhang et al. (2010)	Q	113, 115
[119345-02-7]	1.7×10^{-2}		Zhang et al. (2010)	Q	113, 116
	7.7×10^{-2}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2,4-trimethyl-4-(4-(4-(2,4,4-trimethylpentan-2-yl)phenoxy)phenyl)pentane	1.3×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_{28}H_{42}O$	1.2×10^{-3}		Zhang et al. (2010)	Q	113, 115
[61702-88-3]	5.4×10^{-2}		Zhang et al. (2010)	Q	113, 116
	6.9×10^{-3}		Zhang et al. (2010)	Q	113, 117
di-tert-butyl sec-butylidene diperoxide	1.2×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{26}O_4$	6.1×10^{-5}		Zhang et al. (2010)	Q	113, 115
[2167-23-9]	1.6×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.1		Zhang et al. (2010)	Q	113, 117
peroxide, 1,1-dimethylethyl 1-methyl-1-phenylethyl	1.4×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{13}H_{20}O_2$	4.8×10^{-3}		Zhang et al. (2010)	Q	113, 115
[3457-61-2]	1.6×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.9×10^{-1}		Zhang et al. (2010)	Q	113, 117
di-tert-butyl 1,1,4,4-tetramethyltetramethylene diperoxide	3.9×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_{34}O_4$	7.9×10^{-4}		Zhang et al. (2010)	Q	113, 115
[78-63-7]	1.3×10^{-1}		Zhang et al. (2010)	Q	113, 116
	3.4×10^{-1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,4-bis(1-tert-butylperoxy-1-methyl-ethyl)benzene	1.0×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{20}H_{34}O_4$	1.8×10^{-2}		Zhang et al. (2010)	Q	113, 115
[2781-00-2]	2.9×10^{-1}		Zhang et al. (2010)	Q	113, 116
	8.6		Zhang et al. (2010)	Q	113, 117
Heterocycles with oxygen					
2-furanmethanol $C_5H_6O_2$ [98-00-0]	3.4×10^{1}		Hilal et al. (2008)	Q	
tetrahydropyran-2-methanol $C_6H_{12}O_2$ [100-72-1]	9.0×10^{1}		Hilal et al. (2008)	Q	
oxirane	5.8×10^{-2}	3200	Conway et al. (1983)	M	
C_2H_4O	8.3×10^{-2}		Lide and Frederikse (1995)	V	
(ethylene oxide)	8.6×10^{-2}		Mackay et al. (1993)	V	
[75-21-8]	5.0×10^{-2}		Hwang et al. (1992)	V	
	3.9×10^{-2}		Hilal et al. (2008)	Q	
1,2-epoxypropane	1.2×10^{-1}		Mackay et al. (2006c)	V	
C_3H_6O	1.2×10^{-1}		Lide and Frederikse (1995)	V	
(propyleneoxide)	1.2×10^{-1}		Mackay et al. (1993)	V	
[75-56-9]	5.2×10^{-2}		Goldstein (1982)	X	158
	5.1×10^{-2}	3500	Goldstein (1982)	X	122
	1.7×10^{-2}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
phenyloxirane	5.8×10^{-1}		Mackay et al. (2006c)	V	
C_8H_8O	5.8×10^{-1}		Mackay et al. (1993)	V	
(styrene oxide)	6.2×10^{-1}		Meylan and Howard (1991)	V	
[96-09-3]	2.5×10^{-1}		Hilal et al. (2008)	Q	
	1.0		Meylan and Howard (1991)	Q	
oxacyclopentadiene	1.8×10^{-3}		Mackay et al. (2006c)	V	
C_4H_4O	1.8×10^{-3}		Mackay et al. (1993)	V	
(furan; furfuran)	2.3×10^{-3}		Hilal et al. (2008)	Q	
[110-00-9]	1.8×10^{-3}		Yaws and Yang (1992)	?	98
dibenzofuran	7.1×10^{-2}		Mackay et al. (2006b)	V	
$C_{12}H_8O$	7.2×10^{-2}		Govers and Krop (1998)	V	
(2,2'-biphenylene oxide)	9.1×10^{-2}		Mackay et al. (1992b)	X	146
[132-64-9]	8.2×10^{-2}		Saçan et al. (2005)	Q	
	4.7×10^{-2}		Govers and Krop (1998)	Q	
2-furancarboxaldehyde	2.7		Mackay et al. (2006c)	V	
$C_5H_4O_2$	2.7		Mackay et al. (1995)	V	
(furfural; 2-furanaldehyde)	6.0		Hilal et al. (2008)	Q	
[98-01-1]	7.2×10^{-2}		Emel'yanenko et al. (2007)	Q	163
	7.2×10^{-2}		Hertel and Sommer (2006)	Q	163
		6100	Kühne et al. (2005)	Q	
		5900	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
tetrahydrofuran	2.2×10^{-1}		Signer et al. (1969)	M	
C_4H_8O	1.4×10^{-1}	5700	Cabani et al. (1971b)	T	
(THF)	1.1×10^{-1}		Hilal et al. (2008)	Q	
[109-99-9]		4000	Kühne et al. (2005)	Q	
		3200	Kühne et al. (2005)	?	
	1.4×10^{-1}		Abraham et al. (1990)	?	
tetrahydrofuran-d8 C_4D_8O (THF-d8) [1693-74-9]	2.3×10^{-1}	8000	Hiatt (2013)	M	
2-methyltetrahydrofuran	1.5×10^{-3}		Mackay et al. (1993)	V	
$CH_3C_4H_7O$	1.1×10^{-1}	6200	Cabani et al. (1971b)	T	
[96-47-9]	6.1×10^{-2}		Hilal et al. (2008)	Q	
		4400	Kühne et al. (2005)	Q	
		5400	Kühne et al. (2005)	?	
2,5-dimethyltetrahydrofuran	5.5×10^{-2}	6800	Cabani et al. (1971b)	T	
$(CH_3)_2C_4H_6O$ [1003-38-9]	3.1×10^{-2}		Hilal et al. (2008)	Q	
tetrahydropyran	1.0×10^{-1}		Mackay et al. (2006c)	V	
$C_5H_{10}O$	1.0×10^{-1}		Mackay et al. (1993)	V	
(THP)	7.8×10^{-2}	5900	Cabani et al. (1971b)	T	
[142-68-7]	1.1×10^{-1}		Hilal et al. (2008)	Q	
	7.9×10^{-2}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-methyltetrahydropyran		4700	Kühne et al. (2005)	Q	
$C_6H_{12}O$		5300	Kühne et al. (2005)	?	
[26093-63-0]					
3,4-dihydro-2H-pyran		3500	Kühne et al. (2005)	Q	
C_5H_8O		3600	Kühne et al. (2005)	?	
[110-87-2]					
1,3-dioxolane	4.0×10^{-1}	4800	Cabani et al. (1971b)	T	
$C_3H_6O_2$	1.5		Hilal et al. (2008)	Q	
[646-06-0]					
1,3-dioxane	2.1		Hilal et al. (2008)	Q	
$C_4H_8O_2$					
[505-22-6]					
1,4-dioxane	2.3	6600	Hiatt (2013)	M	
$C_4H_8O_2$	1.4	5100	Kolb et al. (1992)	M	108
(dioxane)	2.1		Park et al. (1987)	M	
[123-91-1]	1.4		Friant and Suffet (1979)	M	24
	2.2		Rohrschneider (1973)	M	
	1.9		Hwang et al. (1992)	V	
	1.1		Amoore and Buttery (1978)	V	
	2.0	5800	Cabani et al. (1971b)	T	
	3.3		Hilal et al. (2008)	Q	
		5200	Kühne et al. (2005)	Q	
		6100	Kühne et al. (2005)	?	
	2.0		Betterton (1992)	?	214
	2.2		Betterton (1992)	?	215
	1.4		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,4-dioxane-d8	2.8	6800	Hiatt (2013)	M	
$C_4D_8O_2$					
(dioxane-d8)					
[17647-74-4]					
4-methyl-1,3-dioxolan-2-one	1.4×10^{2}		Abraham et al. (1990)	?	
$C_4H_6O_3$					
(propylene carbonate)					
[108-32-7]					
1,3,3-trimethyl-2-oxabicyclo[2.2.2]octane	5.9×10^{-2}		Kish et al. (2013)	M	
$C_{10}H_{18}O$	5.6×10^{-2}		Fichan et al. (1999)	M	
(eucalyptol; limonene oxide; 1,8-cineole)	1.2×10^{-1}		Amoore and Buttery (1978)	M	
[470-82-6]	7.5×10^{-2}		Copolovici and Niinemets (2005)	V	
	2.7×10^{-2}	4600	van Roon et al. (2005)	V	
	7.4×10^{-2}		Niinemets and Reichstein (2002)	V	
	7.8×10^{-2}		Amoore and Buttery (1978)	V	
	2.2×10^{-2}		Hilal et al. (2008)	Q	
dibenzo[*b*,*e*][1,4]dioxin	8.5×10^{-2}		Mackay et al. (2006b)	V	
$C_{12}H_8O_2$	9.5×10^{-3}		Saçan et al. (2005)	V	
(dibenzo-*p*-dioxin)	8.5×10^{-2}		Govers and Krop (1998)	V	
[262-12-4]	8.1×10^{-2}		Shiu et al. (1988)	V	
	2.7×10^{-2}		Saçan et al. (2005)	Q	
	6.3×10^{-2}		Wang and Wong (2002)	Q	216
	9.1×10^{-2}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
piperonal $C_8H_6O_3$ [120-57-0]	4.1×10^{2}		Hilal et al. (2008)	Q	
paraldehyde $C_6H_{12}O_3$ [123-63-7]	3.6×10^{-1}		Hilal et al. (2008)	Q	
benzofuran C_8H_6O [271-89-6]	1.9×10^{-2}		Hilal et al. (2008)	Q	
γ-nonalactone $C_9H_{16}O_2$ [104-61-0]	1.8×10^{-1}		Hertel and Sommer (2006)	Q	163
3a,6,6,9a-tetramethyl-2,4,5,5a,7,8,9,9b-octahydro-1H-benzo[e][1]benzofuran	2.0×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_{28}O$	2.9×10^{-1}		Zhang et al. (2010)	Q	113, 115
[3738-00-9]	6.5×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.1×10^{-3}		Zhang et al. (2010)	Q	113, 117
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylcyclopenta[g]-2-benzopyran	7.5×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{26}O$	8.2		Zhang et al. (2010)	Q	113, 115
[1222-05-5]	8.4×10^{-2}		Zhang et al. (2010)	Q	113, 116
	9.9×10^{-3}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
Oxidized terpenoids					
(1S-endo)-1,7,7-trimethyl-bicyclo[2.2.1]heptan-2-ol $C_{10}H_{18}O$ (1S-endo-(-)-borneol) [464-45-9]	4.5×10^{-1}		Fichan et al. (1999)	M	
(1R)-1,3,3-trimethylbicyclo[2.2.1]heptan-2-ol $C_{10}H_{18}O$ (endo-(+)-fenchyl alcohol) [2217-02-9]	3.6×10^{-1}		Fichan et al. (1999)	M	
2-(4-methyl-3-cyclohexen-1-yl)-2-propanol	4.4	2200	Copolovici and Niinemets (2005)	M	
$C_{10}H_{18}O$	4.1		Copolovici and Niinemets (2005)	V	
(α-terpineol)	6.0×10^{-1}	4800	van Roon et al. (2005)	V	
[98-55-5]	4.2		Niinemets and Reichstein (2002)	V	
	7.4×10^{-1}	5400	Li et al. (1998)	V	
	3.6		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2-dimethyl-3-(1-methylethenyl)-cyclopentanol $C_{10}H_{18}O$ (plinol) [72402-00-7]	4.0×10^{-1}	17000	Li et al. (1998)	V	
1-methyl-4-(1-methylethyl)-7-oxabicyclo[2.2.1]heptane	3.9×10^{-2}		Helburn et al. (2008)	M	
$C_{10}H_{18}O$	7.4×10^{-2}		Copolovici and Niinemets (2005)	V	
(1,4-cineole) [470-67-7]	1.4×10^{-1}	4000	van Roon et al. (2005)	V	
1,7,7-trimethyl-bicyclo[2.2.1]heptan-2-one	1.1		Copolovici and Niinemets (2005)	V	
$C_{10}H_{16}O$	5.4×10^{-1}	4800	van Roon et al. (2005)	V	
(camphor) [76-22-2]	8.2×10^{-1}		Niinemets and Reichstein (2002)	V	
2,7,7-trimethyl-3-oxatricyclo[4.1.1.0(2,4)]octane	2.3×10^{-2}		Fichan et al. (1999)	M	
$C_{10}H_{16}O$	2.4×10^{-2}		Copolovici and Niinemets (2005)	V	
((-)-α-pinene oxide) [1686-14-2]	5.4×10^{-2}	4400	van Roon et al. (2005)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
5-methyl-2-(1-methylethylidene)-cyclohexanone $C_{10}H_{16}O$ (pulegone) [89-82-7]	2.8×10^{-1}	5300	van Roon et al. (2005)	V	
exo-2-[(1,7,7-trimethylbicyclo[2.2.1]hept-2-yl)-oxy]ethanol $C_{12}H_{22}O_2$ (arbanol) [7070-15-7]	1.0	4100	Li et al. (1998)	V	
4-(2,6,6-trimethyl-1-cyclohexenyl)-3-buten-2-one $C_{13}H_{20}O$ (beta-ionone) [14901-07-6]	1.2		Fichan et al. (1999)	M	
Miscellaneous					
carbon monoxide	9.7×10^{-6}	1300	Warneck and Williams (2012)	L	
CO	9.7×10^{-6}	1300	Sander et al. (2011)	L	
[630-08-0]	9.7×10^{-6}	1300	Sander et al. (2006)	L	
	9.7×10^{-6}	1300	Fernández-Prini et al. (2003)	L	1
	9.4×10^{-6}	1300	Wilhelm et al. (1977)	L	
	7.9×10^{-5}		Meadows and Spedding (1974)	M	
	7.9×10^{-6}	1400	Douglas (1967)	M	217
	9.7×10^{-6}	1500	Winkler (1901)	M	
	9.7×10^{-6}	1300	Cargill (1990)	X	3, 218

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	9.8×10^{-6}	1300	Cargill (1990)	X	5
	8.7×10^{-6}		Yaws (1999)	?	
	9.4×10^{-6}	1600	Dean (1992)	?	6
	8.6×10^{-6}		Yaws and Yang (1992)	?	98
carbon dioxide	3.3×10^{-4}	2400	Sander et al. (2011)	L	
CO_2	3.3×10^{-4}	2400	Sander et al. (2006)	L	
[124-38-9]	3.3×10^{-4}	2300	Fernández-Prini et al. (2003)	L	1
	3.4×10^{-4}	2300	Carroll et al. (1991)	L	
	3.4×10^{-4}	2400	Crovetto (1991)	L	
	3.4×10^{-4}	2400	Edwards et al. (1978)	L	
	3.3×10^{-4}	2400	Wilhelm et al. (1977)	L	
	3.4×10^{-4}	2400	Weiss (1974)	L	
	3.6×10^{-4}	2200	Zheng et al. (1997)	M	
	3.5×10^{-4}	2400	Bohr (1899)	M	
	3.4×10^{-4}	2400	Chen et al. (1979)	R	
	3.1×10^{-4}	2400	Chameides (1984)	T	
	3.5×10^{-4}	2300	Scharlin (1996)	X	3
	3.4×10^{-4}		Perry and Chilton (1973)	X	10
	3.4×10^{-4}	2400	Lelieveld and Crutzen (1991)	C	
	3.4×10^{-4}	2400	Pandis and Seinfeld (1989)	C	
		2900	Kühne et al. (2005)	Q	
		2400	Kühne et al. (2005)	?	
	4.5×10^{-4}		Yaws (1999)	?	
	3.3×10^{-4}	2600	Dean (1992)	?	6
	4.5×10^{-4}		Yaws and Yang (1992)	?	98
	3.4×10^{-4}	2400	Seinfeld (1986)	?	11
	3.3×10^{-4}	2400	Hoffmann and Jacob (1984)	?	11

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
carbon suboxide C_3O_2 [504-64-3]	1.3×10^{-2}		Keßel (2011)	M	219
2-methoxyethanol	4.4	7500	Hiatt (2013)	M	
$C_3H_8O_2$	2.2×10^{-4}	-870	Ashworth et al. (1988)	M	109
(methyl cellosolve)	3.7×10^{1}	7300	Cabani et al. (1978)	T	
[109-86-4]	2.1×10^{1}		Hilal et al. (2008)	Q	
	1.5×10^{1}		Nirmalakhandan et al. (1997)	Q	
2-ethoxyethanol	3.3×10^{1}		Abraham et al. (1994)	R	
$C_4H_{10}O_2$	2.8×10^{1}	8000	Cabani et al. (1978)	T	
[110-80-5]	1.6×10^{1}		Hilal et al. (2008)	Q	
	7.5		Nirmalakhandan et al. (1997)	Q	
3-hydroxy-2-butanone $C_4H_8O_2$ (acetoin) [513-86-0]	5.7×10^{-1}		Straver and de Loos (2005)	M	
3-oxapentane-1,5-diol	2.4×10^{4}		Hilal et al. (2008)	Q	
$HO(CH_2)_2O(CH_2)_2OH$	2.0×10^{7}		Saxena and Hildemann (1996)	E	156
(diethylene glycol) [111-46-6]					
3,6-dioxaoctane-1,8-diol $HO(CH_2CH_2O)_3H$ (triethylene glycol) [112-27-6]	8.9×10^{9}		Saxena and Hildemann (1996)	E	156

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
propanonal	3.2×10^{2}		Zhou and Mopper (1990)	M	
CH_3COCHO	3.4×10^{1}	7500	Betterton and Hoffmann (1988)	M	193
(methylglyoxal; pyruvaldehyde)	3.7×10^{2}		Lee and Zhou (1993)	C	30
[78-98-8]		6200	Kühne et al. (2005)	Q	
		7600	Kühne et al. (2005)	?	
2-hydroxyethanal	4.1×10^{2}	4600	Betterton and Hoffmann (1988)	M	193
$HOCH_2CHO$	9.9×10^{2}		Lee and Zhou (1993)	C	30
(hydroxyacetaldehyde)	6.5×10^{2}		Hilal et al. (2008)	Q	
[141-46-8]		7600	Kühne et al. (2005)	Q	
		4600	Kühne et al. (2005)	?	
hydroxyethanoic acid	2.8×10^{2}	4000	Sander et al. (2011)	L	
$HOCH_2COOH$	2.8×10^{2}	4000	Ip et al. (2009)	M	
(glycolic acid) [79-14-1]					
oxoethanoic acid	1.1×10^{2}	4800	Sander et al. (2011)	L	
OHCCOOH	1.1×10^{2}	4800	Ip et al. (2009)	M	
(glyoxylic acid)	8.9×10^{1}		Saxena and Hildemann (1996)	E	156
[298-12-4]			Warneck (2005)	?	220
2-oxopropanoic acid	3.1×10^{3}	5100	Sander et al. (2011)	L	
$CH_3COCOOH$	3.1×10^{3}	5100	Sander et al. (2006)	L	
(pyruvic acid)	3.0×10^{3}	5300	Staudinger and Roberts (2001)	L	
[127-17-3]	3.1×10^{3}	5100	Khan et al. (1995)	M	
	3.1×10^{3}		Khan et al. (1992)	M	
	3.1×10^{3}	5200	Khan and Brimblecombe (1992)	M	
	2.6×10^{3}		Hilal et al. (2008)	Q	
		5600	Kühne et al. (2005)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		5300	Kühne et al. (2005)	?	
3-oxopropanoic acid $OHCCH_2COOH$ [926-61-4]	6.9×10^{1}		Saxena and Hildemann (1996)	E	156
4-oxobutanoic acid $OHC(CH_2)_2COOH$ [692-29-5]	4.9×10^{1}		Saxena and Hildemann (1996)	E	156
5-oxopentanoic acid $OHC(CH_2)_3COOH$ [5746-02-1]	3.9×10^{1}		Saxena and Hildemann (1996)	E	156
hydroxybutanedioic acid	2.7×10^{8}		Compernolle and Müller (2014)	V	
$HOOCCH_2CHOHCOOH$	2.0×10^{11}		Saxena and Hildemann (1996)	E	156
(malic acid) [6915-15-7]					
2-hydroxy-1,2,3-propanetricarboxylic acid			Compernolle and Müller (2014)	V	221
$C_6H_8O_7$ (citric acid) [77-92-9]	3.0×10^{16}		Saxena and Hildemann (1996)	E	156
2-oxopentanedioic acid $HOOC(CH_2)_2COCOOH$ (α-keto glutaric acid) [328-50-7]	9.9×10^{6}		Saxena and Hildemann (1996)	E	156

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-hydroxypropanoic acid $CH_3CHOHCOOH$ (lactic acid) [50-21-5]	6.9×10^{5}		Saxena and Hildemann (1996)	E	156
2,3-dihydroxybutanedioic acid			Compernolle and Müller (2014)	V	222
HOOCCHOHCHOHCOOH (tartaric acid) [87-69-4]	9.9×10^{15}		Saxena and Hildemann (1996)	E	156
2,3-dihydroxypropanal $C_3H_6O_3$ (glyceraldehyde) [367-47-5]	2.0×10^{8}		Saxena and Hildemann (1996)	E	156
butanoic acid, 3,3-bis((1,1-dimethylethyl)dioxy)-, ethyl ester	5.0		Zhang et al. (2010)	Q	113, 114
$C_{14}H_{28}O_6$	7.0×10^{-3}		Zhang et al. (2010)	Q	113, 115
[55794-20-2]	1.3×10^{2}		Zhang et al. (2010)	Q	113, 116
	2.4×10^{2}		Zhang et al. (2010)	Q	113, 117
ethyl 3,3-bis(tert-amylperoxy)butyrate	2.9		Zhang et al. (2010)	Q	113, 114
$C_{16}H_{32}O_6$	3.7×10^{-3}		Zhang et al. (2010)	Q	113, 115
[67567-23-1]	3.0×10^{1}		Zhang et al. (2010)	Q	113, 116
	1.5×10^{2}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,3-dimethoxy-2-hydroxybenzene	3.7×10^{1}		Sagebiel et al. (1992)	M	
$C_8H_{10}O_3$	5.0×10^{1}	6700	Sagebiel et al. (1992)	M	
(2,6-dimethoxyphenol)	1.2×10^{2}		Sagebiel et al. (1992)	V	
[91-10-1]	3.5×10^{2}		Hilal et al. (2008)	Q	
		7300	Kühne et al. (2005)	Q	
		7600	Kühne et al. (2005)	?	
1-hydroxy-2-methoxybenzene	7.7		Sagebiel et al. (1992)	M	
$C_7H_8O_2$	9.1	7600	Sagebiel et al. (1992)	M	
(guaicol; 2-methoxyphenol)	9.6		Mackay et al. (2006c)	V	
[90-05-1]	7.7		Sagebiel et al. (1992)	V	
	4.1×10^{1}		Leuenberger et al. (1985)	V	166
	5.0		Abraham et al. (1994)	R	
	5.2		Hilal et al. (2008)	Q	
		6700	Kühne et al. (2005)	Q	
	5.1×10^{2}		Nirmalakhandan et al. (1997)	Q	
		7800	Kühne et al. (2005)	?	
1-hydroxy-3-methoxybenzene	1.7×10^{2}		Abraham et al. (1994)	R	
$C_7H_8O_2$	1.3×10^{2}		Hilal et al. (2008)	Q	
(3-methoxyphenol)	5.0×10^{2}		Nirmalakhandan et al. (1997)	Q	
[150-19-6]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-methyl-2-methoxyphenol	7.7		Sagebiel et al. (1992)	M	
$C_8H_{10}O_2$	7.1	7400	Sagebiel et al. (1992)	M	
[93-51-6]	1.0×10^{1}		Sagebiel et al. (1992)	V	
	5.2		Hilal et al. (2008)	Q	
		7100	Kühne et al. (2005)	Q	
		7900	Kühne et al. (2005)	?	
3-hydroxy-2-naphthalenecarboxylic acid	7.2×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_{11}H_8O_3$	1.2×10^{4}		Zhang et al. (2010)	Q	113, 115
[92-70-6]	3.8×10^{5}		Zhang et al. (2010)	Q	113, 116
	8.2×10^{3}		Zhang et al. (2010)	Q	113, 117
benzoyl peroxide	2.8		Zhang et al. (2010)	Q	113, 114
$C_{14}H_{10}O_4$	1.1×10^{2}		Zhang et al. (2010)	Q	113, 115
[94-36-0]	4.1×10^{2}		Zhang et al. (2010)	Q	113, 116
	4.3×10^{3}		Zhang et al. (2010)	Q	113, 117
warfarin $C_{19}H_{16}O_4$ [81-81-2]	3.6×10^{2}		Mackay et al. (2006d)	V	
5α-androst-16-en-4-one $C_{19}H_{28}O$ (androstenone) [18339-16-7]	3.4×10^{-2}		Amoore and Buttery (1978)	M	

Organic species with nitrogen (N)

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
Amines (RNH_2)					
methanamine	3.5×10^{-1}	2600	Wilhelm et al. (1977)	L	
CH_3NH_2	8.9×10^{-1}		Christie and Crisp (1967)	M	
(methylamine)	1.2		Hilal et al. (2008)	Q	
[74-89-5]		5000	Kühne et al. (2005)	Q	
	5.6×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	8.9×10^{-1}		Mackay et al. (2006d)	?	
		3200	Kühne et al. (2005)	?	
	8.8×10^{-1}		Abraham et al. (1990)	?	
		5400	Abraham (1984)	?	11
	1.4		Bone et al. (1983)	?	22
ethanamine	3.5×10^{-1}	3600	Wilhelm et al. (1977)	L	
$C_2H_5NH_2$	8.0×10^{-1}		Christie and Crisp (1967)	M	
(ethylamine)	9.9×10^{-1}		Butler and Ramchandani (1935)	M	
[75-04-7]	3.0×10^{-1}		Hwang et al. (1992)	V	
	7.9×10^{-1}		Hilal et al. (2008)	Q	
	4.6×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	9.9×10^{-1}		Mackay et al. (2006d)	?	
	8.0×10^{-1}		Abraham et al. (1990)	?	
		6500	Abraham (1984)	?	11

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-propanamine	5.0×10^{-1}		Altschuh et al. (1999)	M	
$C_3H_7NH_2$	6.6×10^{-1}		Christie and Crisp (1967)	M	
(1-propylamine)	7.8×10^{-1}		Butler and Ramchandani (1935)	M	
[107-10-8]	4.8×10^{-1}		Hilal et al. (2008)	Q	
	3.6×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	7.8×10^{-1}		Mackay et al. (2006d)	?	
	6.7×10^{-1}		Abraham et al. (1990)	?	
		6700	Abraham (1984)	?	11
2-propanamine	2.2×10^{-1}		Hilal et al. (2008)	C	
C_3H_9N	2.1×10^{-1}		Hilal et al. (2008)	Q	
[75-31-0]					
1-butanamine	5.6×10^{-1}		Altschuh et al. (1999)	M	
$C_4H_9NH_2$	5.2×10^{-1}		Rytting et al. (1978)	M	
(1-butylamine)	5.6×10^{-1}		Christie and Crisp (1967)	M	
[109-73-9]	6.5×10^{-1}		Butler and Ramchandani (1935)	M	
	2.2×10^{-1}		Hwang et al. (1992)	V	
	4.5×10^{-1}		Amoore and Buttery (1978)	V	
	2.9×10^{-1}		Hilal et al. (2008)	Q	
	2.8×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	6.6×10^{-1}		Mackay et al. (2006d)	?	
	5.2×10^{-1}		Abraham et al. (1990)	?	
		7100	Abraham (1984)	?	11
2-butanamine	4.0×10^{-1}	7700	Kish et al. (2013)	M	223
$C_4H_{11}N$	6.5×10^{-2}		Hilal et al. (2008)	C	
[13952-84-6]	1.6×10^{-1}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methyl-1-propanamine	7.2×10^{-1}		Hilal et al. (2008)	C	
$C_4H_{11}N$	2.4×10^{-1}		Hilal et al. (2008)	Q	
[78-81-9]					
2-methyl-2-propanamine	2.8×10^{-1}		Hilal et al. (2008)	C	
$C_4H_{11}N$	5.0×10^{-2}		Hilal et al. (2008)	Q	
[75-64-9]					
1-pentanamine	4.0×10^{-1}		Rytting et al. (1978)	M	
$C_5H_{11}NH_2$	3.1×10^{-1}		Amoore and Buttery (1978)	M	
(1-pentylamine)	4.0×10^{-1}		Christie and Crisp (1967)	M	
[110-58-7]	1.6×10^{-1}		Hilal et al. (2008)	Q	
	2.2×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	4.0×10^{-1}		Abraham et al. (1990)	?	
		7500	Abraham (1984)	?	11
3-methyl-1-butanamine	2.2×10^{-1}		Hilal et al. (2008)	Q	
$C_5H_{13}N$					
[107-85-7]					
1-hexanamine	3.2×10^{-1}		Rytting et al. (1978)	M	
$C_6H_{13}NH_2$	3.7×10^{-1}		Christie and Crisp (1967)	M	
(1-hexylamine)	3.7×10^{-1}		Hilal et al. (2008)	Q	
[111-26-2]	1.8×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	3.2×10^{-1}		Abraham et al. (1990)	?	
		7900	Abraham (1984)	?	11

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-heptanamine	2.4×10^{-1}		Rytting et al. (1978)	M	
$C_7H_{17}N$	4.5×10^{-1}		Hilal et al. (2008)	Q	
(1-heptylamine)	1.4×10^{-1}		Nirmalakhandan et al. (1997)	Q	
[111-68-2]	2.4×10^{-1}		Abraham et al. (1990)	?	
1-octanamine	1.9×10^{-1}		Rytting et al. (1978)	M	
C_8H19N	4.3×10^{-1}		Hilal et al. (2008)	Q	
(1-octylamine)		7400	Kühne et al. (2005)	Q	
[111-86-4]	1.1×10^{-1}		Nirmalakhandan et al. (1997)	Q	
		6600	Kühne et al. (2005)	?	
	1.9×10^{-1}		Abraham et al. (1990)	?	
2-ethyl-1-hexanamine	3.7×10^{-1}		Hilal et al. (2008)	Q	
$C_8H_{19}N$		7400	Kühne et al. (2005)	Q	
(2-ethylhexylamine)		7400	Kühne et al. (2005)	?	
[104-75-6]					
1-tridecanamine	9.0×10^{-2}		Altschuh et al. (1999)	M	
$C_{13}H_{29}N$					
[2869-34-3]					
dimethylamine	3.0×10^{-1}	4000	Wilhelm et al. (1977)	L	
$(CH_3)_2NH$	5.6×10^{-1}		Christie and Crisp (1967)	M	
[124-40-3]	5.8×10^{-1}	6400	Bagno et al. (1991)	T	199
	6.0×10^{-1}		Hilal et al. (2008)	Q	
	5.4×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	5.6×10^{-1}		Mackay et al. (2006d)	?	
	5.7×10^{-1}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
diethylamine	3.9×10^{-1}		Christie and Crisp (1967)	M	
$(C_2H_5)_2NH$	4.1×10^{-1}	7700	Bagno et al. (1991)	T	199
[109-89-7]	1.3	10000	Goldstein (1982)	X	122
	1.8×10^{-1}		Hilal et al. (2008)	Q	
	3.8×10^{-1}		Mackay et al. (2006d)	?	
	1.5×10^{-1}		Yaws and Yang (1992)	?	98
	3.9×10^{-1}		Abraham et al. (1990)	?	
dipropylamine	1.9×10^{-1}		Christie and Crisp (1967)	M	
$(C_3H_7)_2NH$	1.1×10^{-1}		Hilal et al. (2008)	Q	
[142-84-7]		6900	Kühne et al. (2005)	Q	
	2.3×10^{-1}		Nirmalakhandan et al. (1997)	Q	
		8100	Kühne et al. (2005)	?	
			Betterton (1992)	?	7
	1.9×10^{-1}		Abraham et al. (1990)	?	
N-methylpropanamine	1.9×10^{-1}		Hilal et al. (2008)	Q	
$C_4H_{11}N$					
[627-35-0]					
N-methyl-2-propanamine	1.4×10^{-1}		Hilal et al. (2008)	Q	
$C_4H_{11}N$					
[4747-21-1]					
N-(1-methylethyl)-2-propanamine	6.2×10^{-2}		Hilal et al. (2008)	Q	
$C_6H_{15}N$		6900	Kühne et al. (2005)	Q	
(diisopropylamine)	1.8×10^{-1}		Nirmalakhandan et al. (1997)	Q	
[108-18-9]		8600	Kühne et al. (2005)	?	
	9.2×10^{-2}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
N,N-dipropyl-1-propanamine	2.6×10^{-2}		Hilal et al. (2008)	C	
$C_9H_{21}N$ [102-69-2]	6.7×10^{-2}		Hilal et al. (2008)	Q	
N-methyl-1-butanamine	1.1×10^{-1}		Hilal et al. (2008)	Q	
$C_5H_{13}N$		6600	Kühne et al. (2005)	Q	
(N-methylbutylamine) [110-68-9]		5000	Kühne et al. (2005)	?	
dibutylamine	1.0		Altschuh et al. (1999)	M	
$(C_4H_9)_2NH$	1.1×10^{-1}		Christie and Crisp (1967)	M	
[111-92-2]	1.2×10^{-1}		Mackay et al. (2006d)	V	
	1.2×10^{-1}		Mackay et al. (1995)	V	
	2.4×10^{-1}		Hilal et al. (2008)	Q	
		7600	Kühne et al. (2005)	Q	
	1.4×10^{-1}		Nirmalakhandan et al. (1997)	Q	
		7400	Kühne et al. (2005)	?	
	9.7×10^{-2}		Abraham et al. (1990)	?	
diisobutylamine		7600	Kühne et al. (2005)	Q	
$C_8H_{19}N$ [110-96-3]		7300	Kühne et al. (2005)	?	
bis-(1-methylpropyl)-amine		7600	Kühne et al. (2005)	Q	
$C_8H_{19}N$ (di-*sec*-butylamine) [626-23-3]		7000	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
trimethylamine	7.6×10^{-2}		Amoore and Buttery (1978)	M	
$(CH_3)_3N$	9.5×10^{-2}		Christie and Crisp (1967)	M	
[75-50-3]	9.8×10^{-2}		Amoore and Buttery (1978)	V	
	3.7×10^{-2}		Hilal et al. (2008)	Q	
	4.7×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	1.5×10^{-1}		Mackay et al. (2006d)	?	
	9.0×10^{-2}		Abraham et al. (1990)	?	
triethylamine	6.6×10^{-2}		Christie and Crisp (1967)	M	
$(C_2H_5)_3N$	7.1×10^{-2}		Mackay et al. (2006d)	V	
[121-44-8]	7.1×10^{-2}		Mackay et al. (1995)	V	
	8.6×10^{-2}		Hilal et al. (2008)	Q	
		6700	Kühne et al. (2005)	Q	
	3.3×10^{-1}		Nirmalakhandan et al. (1997)	Q	
		9000	Kühne et al. (2005)	?	
	9.2×10^{-2}		Abraham et al. (1990)	?	
tributylamine	4.0×10^{-1}		Altschuh et al. (1999)	M	
$C_{12}H_{27}N$	4.0×10^{-5}		Mackay et al. (2006d)	V	
[102-82-9]	4.0×10^{-5}		Mackay et al. (1995)	V	
		8700	Kühne et al. (2005)	Q	
		7500	Kühne et al. (2005)	?	
N,N-dimethyl-1-dodecanamine $C_{14}H_{31}N$ [112-18-5]			Altschuh et al. (1999)	M	224

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
ethylenediamine	5.8×10^{3}		Westheimer and Ingraham (1956)	M	
$H_2NCH_2CH_2NH_2$	1.5×10^{2}	9200	Cabani et al. (1978)	T	
[107-15-3]	5.6×10^{3}		Hilal et al. (2008)	Q	
2-propen-1-amine	5.4×10^{-1}		Hilal et al. (2008)	C	
C_3H_7N	2.4		Hilal et al. (2008)	Q	
[107-11-9]					
di-2-propenylamine		7200	Kühne et al. (2005)	Q	
$C_6H_{11}N$		8000	Kühne et al. (2005)	?	
(diallylamine)					
[124-02-7]					
hexamethyleneimine	1.6	8200	Cabani et al. (1971a)	T	
$(CH_2)_6NH$	6.4		Hilal et al. (2008)	Q	
[111-49-9]	4.3×10^{-1}		Meylan and Howard (1991)	Q	
cyclohexanamine	2.4		Altschuh et al. (1999)	M	
$C_6H_{13}N$	2.2	7800	Bernauer et al. (2006)	V	
(cyclohexylamine)	9.4×10^{-1}		Amoore and Buttery (1978)	V	
[108-91-8]	6.7×10^{-1}		Hilal et al. (2008)	Q	
	1.2		Nirmalakhandan et al. (1997)	Q	
	9.5×10^{-1}		Abraham et al. (1990)	?	
3-methylcyclohexylamine	1.1		Hilal et al. (2008)	Q	
$C_7H_{15}N$					
[6850-35-7]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
N-ethylcyclohexanamine		7200	Kühne et al. (2005)	Q	
$C_8H_{17}N$		6500	Kühne et al. (2005)	?	
(N-ethylcyclohexylamine)					
[5459-93-8]					
N,N-dimethylcyclohexylamine	4.2×10^{-1}		Altschuh et al. (1999)	M	
$C_8H_{17}N$	5.1×10^{-1}		Hilal et al. (2008)	Q	
[98-94-2]		7000	Kühne et al. (2005)	Q	
		8500	Kühne et al. (2005)	?	
hexamethylenetetramine	6.1×10^{-5}		Zhang et al. (2010)	Q	113, 114
$C_6H_{12}N_4$	5.8×10^{5}		Zhang et al. (2010)	Q	113, 115
[100-97-0]	9.2×10^{2}		Zhang et al. (2010)	Q	113, 116
	5.4×10^{7}		Zhang et al. (2010)	Q	113, 117
	1.3×10^{4}		Hilal et al. (2008)	Q	
aminobenzene	5.2		Altschuh et al. (1999)	M	
C_6H_7N	1.2		Heal et al. (1995)	M	148
(aniline)	5.0		Jayasinghe et al. (1992)	M	
[62-53-3]	1.1		Dallos et al. (1983)	M	225
	4.6	6500	Bernauer et al. (2006)	V	
	6.0		Mackay et al. (2006d)	V	
	6.0		Schüürmann (2000)	V	
	7.1×10^{-5}		Lide and Frederikse (1995)	V	
	6.0		Mackay et al. (1995)	V	
	5.5		Hwang et al. (1992)	V	
	3.4		Yoshida et al. (1983)	V	
	7.1×10^{-5}		Howard (1989)	X	146
	8.2×10^{-2}		Howard (1989)	X	161
	5.1		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		6200	Kühne et al. (2005)	Q	
	8.2×10^{-2}		Mackay et al. (2006d)	?	
		7100	Kühne et al. (2005)	?	
	4.3		Abraham et al. (1990)	?	
2-methylbenzenamine	5.0		Altschuh et al. (1999)	M	
C_7H_9N	1.1×10^{1}		Mackay et al. (2006d)	V	
(2-methylaniline; *o*-toluidine)	4.1		Schüürmann (2000)	V	
[95-53-4]	1.1×10^{1}		Mackay et al. (1995)	V	
	1.1×10^{1}		Mackay et al. (1995)	V	
	3.4		Yoshida et al. (1983)	V	
	4.6		Abraham et al. (1994)	R	
	3.1		Hilal et al. (2008)	Q	
	2.0		Nirmalakhandan et al. (1997)	Q	
3-methylbenzenamine	5.9		Altschuh et al. (1999)	M	
C_7H_9N	3.9		Mackay et al. (2006d)	V	
(3-methylaniline; *m*-toluidine)	3.9		Mackay et al. (1995)	V	
[108-44-1]	4.8		Hilal et al. (2008)	Q	
4-methylbenzenamine	1.3×10^{1}		Altschuh et al. (1999)	M	
C_7H_9N	4.4		Jayasinghe et al. (1992)	M	
(4-methylaniline; *p*-toluidine)	1.5		Mackay et al. (2006d)	V	
[106-49-0]	1.5		Mackay et al. (1995)	V	
	1.6		Yoshida et al. (1983)	V	
	5.0		Abraham et al. (1994)	R	
	5.3		Hilal et al. (2008)	Q	
	2.0		Nirmalakhandan et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-ethylaniline		7200	Kühne et al. (2005)	Q	
$C_8H_{11}N$		7500	Kühne et al. (2005)	?	
(*o*-ethylaniline)					
[578-54-1]					
4-ethylaniline	3.1		Mackay et al. (2006d)	V	
$C_8H_{11}N$	3.1		Mackay et al. (1995)	V	
(*p*-ethylaniline)		6900	Kühne et al. (2005)	Q	
[589-16-2]		8100	Kühne et al. (2005)	?	
2,4-dimethylbenzenamine	2.4		Mackay et al. (2006d)	V	
$C_8H_{11}N$	1.4×10^{-1}		Schüürmann (2000)	V	
(2,4-dimethylaniline; 2,4-xylidine)	2.4		Mackay et al. (1995)	V	
[95-68-1]		7200	Kühne et al. (2005)	Q	
		7400	Kühne et al. (2005)	?	
3,4-dimethylbenzenamine	5.3		Jayasinghe et al. (1992)	M	
$C_8H_{11}N$	6.7		Hilal et al. (2008)	Q	
(3,4-dimethylaniline; 3,4-xylidine)					
[95-64-7]					
2,5-dimethylbenzenamine		7200	Kühne et al. (2005)	Q	
$C_8H_{11}N$		7700	Kühne et al. (2005)	?	
(2,5-dimethylaniline; 2,5-xylidine)					
[95-78-3]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,6-dimethylbenzenamine	5.8×10^{-2}		Mackay et al. (2006d)	V	
$C_8H_{11}N$	5.8×10^{-2}		Mackay et al. (1995)	V	
(2,6-dimethylaniline; 2,6-xylidine)	2.7		Abraham et al. (1994)	R	
[87-62-7]	3.3		Hilal et al. (2008)	Q	
		7500	Kühne et al. (2005)	Q	
	1.4		Nirmalakhandan et al. (1997)	Q	
		7600	Kühne et al. (2005)	?	
2,4,5-trimethylbenzenamine	3.9		Jayasinghe et al. (1992)	M	
$C_9H_{13}N$	6.0		Hilal et al. (2008)	Q	
(2,4,5-trimethylaniline) [137-17-7]					
2-(1-methylethyl)-benzenamine		7500	Kühne et al. (2005)	Q	
$C_9H_{13}N$		6400	Kühne et al. (2005)	?	
(2-isopropylaniline) [643-28-7]					
2,6-diethylbenzenamine $C_{10}H_{15}N$ [579-66-8]	9.0×10^{-1}		Hilal et al. (2008)	Q	
1,2-benzenediamine	7.6×10^{1}		Schüürmann (2000)	V	
$C_6H_8N_2$	1.2×10^{3}		Hilal et al. (2008)	Q	
(*o*-phenylenediamine) [95-54-5]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,3-benzenediamine	1.3×10^{4}		Schüürmann (2000)	V	
$C_6H_8N_2$	1.1×10^{5}		Hilal et al. (2008)	Q	
(*m*-phenylenediamine) [108-45-2]					
phenylhydrazine $C_6H_8N_2$ [100-63-0]	6.9×10^{2}		Hilal et al. (2008)	Q	
(methylamino)-benzene	8.7×10^{-1}		Schüürmann (2000)	V	
C_7H_9N	1.1		Abraham et al. (1994)	R	
(N-methylaniline)	1.5		Hilal et al. (2008)	Q	
[100-61-8]	2.7		Nirmalakhandan et al. (1997)	Q	
(ethylamino)-benzene	1.0		Altschuh et al. (1999)	M	
$C_8H_{11}N$	7.0×10^{-1}		Hilal et al. (2008)	Q	
(N-ethylaniline)		7100	Kühne et al. (2005)	Q	
[103-69-5]		7600	Kühne et al. (2005)	?	
(dimethylamino)-benzene	8.5×10^{-2}		Mackay et al. (2006d)	V	
$C_8H_{11}N$	8.5×10^{-2}		Mackay et al. (1995)	V	
(N,N-dimethylaniline)	1.3×10^{-1}		Meylan and Howard (1991)	V	
[121-69-7]	1.6×10^{-1}		Yoshida et al. (1983)	V	
	9.9×10^{-2}		Hilal et al. (2008)	Q	
		6900	Kühne et al. (2005)	Q	
	2.4		Nirmalakhandan et al. (1997)	Q	
	1.1		Meylan and Howard (1991)	Q	
		6300	Kühne et al. (2005)	?	
	1.4×10^{-1}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-ethyl-6-methylbenzenamine	3.2		Zhang et al. (2010)	Q	113, 114
$C_9H_{13}N$	2.1		Zhang et al. (2010)	Q	113, 115
[24549-06-2]	1.0		Zhang et al. (2010)	Q	113, 116
	8.4×10^{-1}		Zhang et al. (2010)	Q	113, 117
N,N-dimethylbenzylamine		7700	Kühne et al. (2005)	Q	
$C_9H_{13}N$		7700	Kühne et al. (2005)	?	
[103-83-3]					
N,N,4-trimethylbenzenamine	1.4×10^{-1}		Hilal et al. (2008)	Q	
$C_9H_{13}N$					
[99-97-8]					
N,N'-di-t-butylethylenediamine	3.6×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_{24}N_2$	2.3		Zhang et al. (2010)	Q	113, 115
[4062-60-6]	9.9×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.2×10^{1}		Zhang et al. (2010)	Q	113, 117
(diethylamino)-benzene	4.6×10^{-1}		Mackay et al. (2006d)	V	
$C_{10}H_{15}N$	4.6×10^{-1}		Mackay et al. (1995)	V	
(N,N-diethylaniline)	9.9×10^{-2}		Hilal et al. (2008)	Q	
[91-66-7]		7600	Kühne et al. (2005)	Q	
		5800	Kühne et al. (2005)	?	
3,5-diethyltoluene-2,6-diamine	6.2×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_{11}H_{18}N_2$	6.9×10^{3}		Zhang et al. (2010)	Q	113, 115
[2095-01-4]	6.1×10^{1}		Zhang et al. (2010)	Q	113, 116
	2.1×10^{2}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4-diethyl-6-methylbenzene-1,3-diamine	6.2×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_{11}H_{18}N_2$	7.0×10^{3}		Zhang et al. (2010)	Q	113, 115
[2095-02-5]	6.2×10^{1}		Zhang et al. (2010)	Q	113, 116
	2.1×10^{2}		Zhang et al. (2010)	Q	113, 117
diphenylamine	2.9×10^{1}		Mackay et al. (2006d)	V	
$C_{12}H_{11}N$	2.9×10^{1}		Mackay et al. (1995)	V	
[122-39-4]	3.5		Meylan and Howard (1991)	V	
	3.5		Howard et al. (1991)	X	161
	3.0		Hilal et al. (2008)	Q	
	9.4		Meylan and Howard (1991)	Q	
benzidine	2.2×10^{6}		Mackay et al. (2006d)	V	
$C_{12}H_{12}N_2$	2.6×10^{5}		Lide and Frederikse (1995)	V	
[92-87-5]	2.2×10^{6}		Mackay et al. (1995)	V	
	2.5×10^{1}		Mackay et al. (1995)	C	
1,2-diphenylhydrazine			Mackay et al. (2006d)	V	226
$C_{12}H_{12}N_2$ (N,N'-bianiline)	2.9×10^{3}		Mackay et al. (1995)	V	
[122-66-7]					
4-(phenylazo)-benzenamine	1.9×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{11}N_3$	3.2×10^{3}		Zhang et al. (2010)	Q	113, 115
[60-09-3]	7.3×10^{5}		Zhang et al. (2010)	Q	113, 116
	3.4×10^{2}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
N,N-dimethyl-4-(phenylazo)-benzenamine	4.2×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_{15}N_3$	4.1×10^{1}		Zhang et al. (2010)	Q	113, 115
[60-11-7]	8.2×10^{1}		Zhang et al. (2010)	Q	113, 116
	1.0×10^{1}		Zhang et al. (2010)	Q	113, 117
N-ethyl-N-phenylbenzenemethanamine	1.1		Zhang et al. (2010)	Q	113, 114
$C_{15}H_{17}N$	1.1		Zhang et al. (2010)	Q	113, 115
[92-59-1]	4.6×10^{-1}		Zhang et al. (2010)	Q	113, 116
	6.7		Zhang et al. (2010)	Q	113, 117
N-phenyl-1-naphthalenamine	9.7×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_{13}N$	4.6×10^{1}		Zhang et al. (2010)	Q	113, 115
[90-30-2]	1.2×10^{1}		Zhang et al. (2010)	Q	113, 116
	2.8×10^{2}		Zhang et al. (2010)	Q	113, 117
N-(1,3-dimethylbutyl)-n'-phenyl-1,4-phenylenediamine	2.9×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{24}N_2$	3.9×10^{2}		Zhang et al. (2010)	Q	113, 115
[793-24-8]	3.9×10^{1}		Zhang et al. (2010)	Q	113, 116
	2.3×10^{3}		Zhang et al. (2010)	Q	113, 117
N,N'-bis(1-ethyl-3-methylpentyl)-1,4-benzenediamine	5.8×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{22}H_{40}N_2$	5.8		Zhang et al. (2010)	Q	113, 115
[139-60-6]	1.8		Zhang et al. (2010)	Q	113, 116
	1.9×10^{1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
N-phenyl-N-(2,4,4-trimethyl-2-pentanyl)-1-naphthalenamine	6.4×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{24}H_{29}N$	9.7×10^{-1}		Zhang et al. (2010)	Q	113, 115
[51772-35-1]	9.0×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.1×10^{1}		Zhang et al. (2010)	Q	113, 117
tris(2-ethylhexyl)amine	7.0×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_{24}H_{51}N$	1.2×10^{-2}		Zhang et al. (2010)	Q	113, 115
[1860-26-0]	6.1×10^{-6}		Zhang et al. (2010)	Q	113, 116
	3.7×10^{-4}		Zhang et al. (2010)	Q	113, 117
4,4',4"-methylidynetris[N,N-dimethylbenzenamine	6.4×10^{4}		Zhang et al. (2010)	Q	113, 114
$C_{25}H_{31}N_3$	3.1×10^{4}		Zhang et al. (2010)	Q	113, 115
[603-48-5]	3.5×10^{2}		Zhang et al. (2010)	Q	113, 116
	1.1×10^{6}		Zhang et al. (2010)	Q	113, 117
N-phenylbenzenamide	8.2×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{30}H_{47}N$	4.7×10^{-1}		Zhang et al. (2010)	Q	113, 115
[68608-79-7]	1.5×10^{-1}		Zhang et al. (2010)	Q	113, 116
	2.9×10^{-1}		Zhang et al. (2010)	Q	113, 117
4,4',4"-methanetriyltris(N,N-diethylaniline)	9.0×10^{4}		Zhang et al. (2010)	Q	113, 114
$C_{31}H_{43}N_3$	7.0×10^{5}		Zhang et al. (2010)	Q	113, 115
[68814-02-8]	1.7×10^{3}		Zhang et al. (2010)	Q	113, 116
	1.5×10^{6}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-naphthylamine	1.6×10^{2}		Altschuh et al. (1999)	M	
$C_{10}H_9N$	8.8×10^{1}		Abraham et al. (1994)	R	
[134-32-7]	3.0×10^{1}		Hilal et al. (2008)	Q	
	4.6×10^{2}		Nirmalakhandan et al. (1997)	Q	
2-naphthylamine	1.2×10^{2}		Abraham et al. (1994)	R	
$C_{10}H_9N$	8.0×10^{1}		Hilal et al. (2008)	Q	
[91-59-8]	4.5×10^{2}		Nirmalakhandan et al. (1997)	Q	
ethanolamine $HOC_2H_4NH_2$ [141-43-5]	6.0×10^{4}		Bone et al. (1983)	M	9
(diisopropylamino)-ethanol $C_8H_{19}NO$ [96-80-0]	1.9×10^{2}		Hilal et al. (2008)	Q	
2-methoxyethanamine C_3H_9NO (2-methoxyethylamine) [109-85-3]	2.5×10^{1}	7600	Cabani et al. (1978)	T	
3-methoxy-1-propanamine $C_4H_{11}NO$ (3-methoxypropylamine) [5332-73-0]	4.8×10^{1}	8700	Cabani et al. (1978)	T	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methoxy-benzenamine	1.2×10^{1}		Abraham et al. (1994)	R	
C_7H_9NO	2.8×10^{1}		Hilal et al. (2008)	Q	
(2-methoxyaniline) [90-04-0]	1.5×10^{1}		Nirmalakhandan et al. (1997)	Q	
3-methoxy-benzenamine	9.0×10^{1}		Abraham et al. (1994)	R	
C_7H_9NO	1.8×10^{2}		Hilal et al. (2008)	Q	
(3-methoxyaniline) [536-90-3]	1.5×10^{1}		Nirmalakhandan et al. (1997)	Q	
4-methoxy-benzenamine	1.5×10^{2}		Altschuh et al. (1999)	M	
C_7H_9NO	1.2×10^{2}		Abraham et al. (1994)	R	
(4-methoxyaniline)	1.4×10^{2}		Hilal et al. (2008)	Q	
[104-94-9]	1.5×10^{1}		Nirmalakhandan et al. (1997)	Q	
N-nitrosodimethylamine	5.1		Mirvish et al. (1976)	X	158
$C_2H_6N_2O$	3.0×10^{-1}		Mackay et al. (1995)	C	
[62-75-9]	9.5		Hilal et al. (2008)	Q	
	3.0×10^{-1}		Mackay et al. (2006d)	?	
N-nitrosodipropylamine	2.8		Mackay et al. (2006d)	V	
$C_6H_{14}N_2O$	2.8		Mackay et al. (1995)	V	
(N,N-dipropylnitrosamine)	1.8		Mirvish et al. (1976)	X	158
[621-64-7]	1.6		Mackay et al. (1995)	C	
	5.8		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
N-nitrosodiphenylamine	8.7×10^{-3}		Mackay et al. (2006d)	V	
$C_{12}H_{10}N_2O$	8.7×10^{-3}		Mackay et al. (1995)	V	
(N,N-Diphenylnitrosamine)	1.5×10^{-2}		Mackay et al. (1995)	C	
[86-30-6]					
N-nitrosodi-N-butylamine	7.5×10^{-1}		Mirvish et al. (1976)	X	158
$C_8H_{18}N_2O$	7.5×10^{-1}		Hilal et al. (2008)	Q	
[924-16-3]					
N-(1-methylethyl)-N-nitroso-2-propanamine	1.3		Mirvish et al. (1976)	X	158
$C_6H_{14}N_2O$	3.4×10^{-1}		Hilal et al. (2008)	Q	
(diisopropylamine)					
[601-77-4]					
N-methyl-N-nitrosobenzenemethanamine	7.9×10^{-1}		Mirvish et al. (1976)	X	158
$C_8H_{10}N_2O$	1.2×10^{2}		Hilal et al. (2008)	Q	
[937-40-6]					
N-ethyl-N-nitroso-ethanamine	2.7		Mirvish et al. (1976)	X	158
$C_4H_{10}N_2O$	3.9		Hilal et al. (2008)	Q	
[55-18-5]					
urea	1.0×10^{7}		Mackay et al. (2006d)	V	
CH_4N_2O	1.0×10^{7}		Mackay et al. (1995)	V	
[57-13-6]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
xylylcarb	9.1×10^{1}		Watanabe (1993)	M	
$C_{10}H_{13}NO_2$					
[2425-10-7]					
fenobucarb	1.5×10^{2}		Watanabe (1993)	M	
$C_{12}H_{17}NO_2$					
[3766-81-2]					
carbaryl			Mabury and Crosby (1996)	M	227
$C_{12}H_{11}NO_2$	3.6×10^{3}		Watanabe (1993)	M	
[63-25-2]	2.2×10^{4}		Mackay et al. (2006d)	V	
	2.3×10^{3}		Meylan and Howard (1991)	V	
	7.7×10^{2}		Suntio et al. (1988)	V	9
	2.3×10^{3}		Howard and Meylan (1997)	X	158
	1.4×10^{3}		Hilal et al. (2008)	Q	
	3.1×10^{3}		Meylan and Howard (1991)	Q	
2,6-di-tert-butyl-4-(dimethylaminomethyl)phenol	4.8×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_{17}H_{29}NO$	2.4×10^{2}		Zhang et al. (2010)	Q	113, 115
[88-27-7]	1.3		Zhang et al. (2010)	Q	113, 116
	4.8×10^{1}		Zhang et al. (2010)	Q	113, 117
2,2-bis[4-(4-aminophenoxy)phenyl]propane	2.0×10^{8}		Zhang et al. (2010)	Q	113, 114
$C_{27}H_{26}N_2O_2$	2.8×10^{8}		Zhang et al. (2010)	Q	113, 115
[13080-86-9]	1.0×10^{8}		Zhang et al. (2010)	Q	113, 116
	3.1×10^{10}		Zhang et al. (2010)	Q	113, 117

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2'-anilino-6'-[ethyl(3-methylbutyl)amino]-3'-methylspiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one	8.4×10^{7}		Zhang et al. (2010)	Q	113, 114
$C_{34}H_{34}N_2O_3$	2.0×10^{8}		Zhang et al. (2010)	Q	113, 115
[70516-41-5]	3.5×10^{8}		Zhang et al. (2010)	Q	113, 116
	8.0×10^{8}		Zhang et al. (2010)	Q	113, 117
ethanamide	5.3×10^{3}		Wolfenden (1976)	M	
C_2H_5NO	2.8×10^{3}		Mackay et al. (2006d)	V	
(acetamide)	2.8×10^{3}		Mackay et al. (1995)	V	
[60-35-5]	4.2×10^{3}		Hilal et al. (2008)	Q	
N-methylmethanamide	1.5×10^{3}	7600	Bernauer and Dohnal (2008)	M	
C_2H_5NO	5.6×10^{2}		Hilal et al. (2008)	Q	
(N-methylformamide)					
[123-39-7]					
N,N-dimethylmethanamide	1.6×10^{2}	7500	Bernauer and Dohnal (2008)	M	
C_3H_7NO	2.2×10^{2}		Abraham et al. (1994)	R	
(N,N-dimethylformamide)	4.5×10^{1}		Hilal et al. (2008)	Q	
[68-12-2]	2.2×10^{2}		Nirmalakhandan et al. (1997)	Q	
	1.6×10^{2}		Taft et al. (1985)	Q	
N-methylacetamide	3.2×10^{3}	8900	Bernauer and Dohnal (2008)	M	
C_3H_7NO					
[79-16-3]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
N,N-dimethylacetamide	4.4×10^{2}	8600	Bernauer and Dohnal (2008)	M	
C_4H_9NO	1.7×10^{2}		Hilal et al. (2008)	Q	
[127-19-5]	3.6×10^{2}		Taft et al. (1985)	Q	
2-azacycloheptanone	2.0×10^{3}		Hwang et al. (1992)	V	
$C_6H_{11}NO$					
(caprolactam)					
[105-60-2]					
urethane	1.1×10^{1}		Hilal et al. (2008)	Q	
$C_3H_7NO_2$					
[51-79-6]					
2-propenamide	6.9×10^{3}		Mackay et al. (2006d)	V	
C_3H_5NO	3.1×10^{4}		Lide and Frederikse (1995)	V	
(acrylamide)	6.9×10^{3}		Mackay et al. (1995)	V	
[79-06-1]	4.1×10^{3}		Hilal et al. (2008)	Q	
		8400	Kühne et al. (2005)	Q	
		7900	Kühne et al. (2005)	?	
5,5-dimethyl-2,4-imidazolidinedione	3.6×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_5H_8N_2O_2$	1.6×10^{5}		Zhang et al. (2010)	Q	113, 115
[77-71-4]	5.1×10^{6}		Zhang et al. (2010)	Q	113, 116
	1.6×10^{5}		Zhang et al. (2010)	Q	113, 117
benzamide			Mackay et al. (2006d)	V	226
C_7H_7NO	2.2×10^{4}		Mackay et al. (1995)	V	
[55-21-0]	4.7×10^{4}		Abraham et al. (1994)	R	
	3.8×10^{3}		Hilal et al. (2008)	Q	
	8.2×10^{3}		Nirmalakhandan et al. (1997)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
N-butylacetamide $C_6H_{13}NO$ [1119-49-9]	2.7×10^{3} 5.2×10^{2}		Gibbs et al. (1991) Hilal et al. (2008)	M Q	
propamocarb $C_9H_{20}N_2O_2$ [24579-73-5]	1.6×10^{3}		Hilal et al. (2008)	Q	
fenuron $C_9H_{12}N_2O$ [101-42-8]	8.7×10^{2} 3.7×10^{3}		Mackay et al. (2006d) Suntio et al. (1988)	V V	 9
propoxur $C_{11}H_{15}NO_3$ [114-26-1]	5.1×10^{5} 7.1×10^{3} 7.7		Mackay et al. (2006d) Siebers et al. (1994) Suntio et al. (1988)	V V V	 9
carbofurane $C_{12}H_{15}NO_3$ [1563-66-2]	 2.0×10^{4} 2.0×10^{3}		Mabury and Crosby (1996) Mackay et al. (2006d) Suntio et al. (1988)	M V V	227 9
(*RS*)-α-2-naphthoxypropionanilide $C_{19}H_{17}NO_2$ (naproanilide) [52570-16-8]	1.6×10^{5}		Hilal et al. (2008)	Q	
Amino acids ($RCHNH_2COOH$)					
glutamic acid $C_5H_9NO_4$ [617-65-2]	9.9×10^{10}		Saxena and Hildemann (1996)	E	156

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
asparagine $C_4H_8N_2O_3$ [70-47-3]	9.9×10^{10}		Saxena and Hildemann (1996)	E	156
serine $C_3H_7NO_3$ [302-84-1]	3.9×10^{10}		Saxena and Hildemann (1996)	E	156
glutamine $C_5H_{10}N_2O_3$ [56-85-9]	9.9×10^{10}		Saxena and Hildemann (1996)	E	156
glycine $C_2H_5NO_2$ [56-40-6]	1.2×10^{11} 8.9×10^{5}	16000	Brimblecombe et al. (1992) Saxena and Hildemann (1996)	V E	 156
arginine $C_6H_{14}N_4O_2$ [74-79-3]	9.9×10^{14}		Saxena and Hildemann (1996)	E	156
alanine $C_3H_7NO_2$ [302-72-7]	3.5×10^{10} 5.9×10^{5}	16000	Brimblecombe et al. (1992) Saxena and Hildemann (1996)	V E	 156
leucine $C_6H_{13}NO_2$ [328-39-2]	2.0×10^{5}		Saxena and Hildemann (1996)	E	156
Heterocycles with nitrogen					
pyrrolidine C_4H_8NH [123-75-1]	4.2 4.2 6.0	 7600	Amoore and Buttery (1978) Cabani et al. (1971a) Hilal et al. (2008)	V T Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-pyrroline C_4H_7N [5724-81-2]	1.6		Amoore and Buttery (1978)	M	
3-pyrroline C_4H_7N [109-96-6]	4.9		Amoore and Buttery (1978)	V	
N-methylpyrrolidine $C_4H_8NCH_3$ [120-94-5]	3.3×10^{-1} 2.2×10^{-1}	7600	Cabani et al. (1971a) Hilal et al. (2008)	T Q	
piperidine $C_5H_{10}NH$ [110-89-4]	2.8 2.0 2.2 7.3	7900 7900 	Bernauer and Dohnal (2009) Amoore and Buttery (1978) Cabani et al. (1971a) Hilal et al. (2008)	M V T Q	
N-methylpiperidine $C_5H_{10}NCH_3$ [626-67-5]	2.4×10^{-1} 2.9×10^{-1} 4.8×10^{-1} 2.2×10^{-1} 	 7900 6300 6600	Abraham et al. (1994) Cabani et al. (1971a) Hilal et al. (2008) Kühne et al. (2005) Nirmalakhandan et al. (1997) Kühne et al. (2005)	R T Q Q Q ?	
N-ethylpiperidine $C_7H_{15}N$ (1-ethylpiperidine) [766-09-6]	3.9×10^{-1} 	 6600 6600	Hilal et al. (2008) Kühne et al. (2005) Kühne et al. (2005)	Q Q ?	
1,4-diazacyclohexane $C_4H_{10}N_2$ (piperazine) [110-85-0]	1.0×10^{2}	11000	Cabani et al. (1975a)	T	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
N-methylpiperazine $C_5H_{12}N_2$ (1-methylpiperazine) [109-01-3]	2.0×10^{2}	11000	Cabani et al. (1975a)	T	
N,N'-dimethylpiperazine $C_6H_{14}N_2$ (1,4-dimethylpiperazine) [106-58-1]	1.4×10^{2}	11000	Cabani et al. (1975a)	T	
1,3,5-tricyclohexylhexahydro-1,3,5-triazine $C_{21}H_{39}N_3$ [6281-14-7]	1.7×10^{-2} 4.0×10^{5} 1.2×10^{5} 1.5×10^{4}		Zhang et al. (2010) Zhang et al. (2010) Zhang et al. (2010) Zhang et al. (2010)	Q Q Q Q	113, 114 113, 115 113, 116 113, 117
pyrrole C_4H_5N (1H-pyrrole) [109-97-7]	5.5×10^{-1} 6.1×10^{-1} 6.1×10^{-1} 7.2×10^{-1}		Hawthorne et al. (1985) Mackay et al. (2006d) Mackay et al. (1995) Hilal et al. (2008)	M V V Q	
1-methyl-1H-pyrrole C_5H_7N [96-54-8]	9.0×10^{-3}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
pyridine			Staudinger and Roberts (2001)	L	228
C_5H_5N	1.1	6000	Bernauer and Dohnal (2009)	M	
[110-86-1]	4.6×10^{-2}	-2300	Dewulf et al. (1999)	M	
	5.5×10^{-1}		Chaintreau et al. (1995)	M	
	8.2×10^{-1}		Hawthorne et al. (1985)	M	
	1.1		Arnett and Chawla (1979)	M	229
	7.1×10^{-1}		Amoore and Buttery (1978)	M	
	1.1	5900	Andon et al. (1954)	M	133
	7.5×10^{-1}		Hilal et al. (2008)	Q	
		6000	Kühne et al. (2005)	Q	
	1.8		Nirmalakhandan et al. (1997)	Q	
	1.1		Mackay et al. (2006d)	?	
		5400	Kühne et al. (2005)	?	
	8.9×10^{-1}		Yaws and Yang (1992)	?	98
	1.1		Abraham et al. (1990)	?	
pyridine-d5	4.2	10000	Hiatt (2013)	M	
C_5D_5N					
[7291-22-7]					
2-methylpyridine			Staudinger and Roberts (2001)	L	228
$C_5H_4NCH_3$	9.9×10^{-1}	6400	Andon et al. (1954)	M	133
(2-picoline; α-picoline)	4.1×10^{-1}		Hilal et al. (2008)	Q	
[109-06-8]		6400	Kühne et al. (2005)	Q	
	1.3		Nirmalakhandan et al. (1997)	Q	
	9.9×10^{-1}		Mackay et al. (2006d)	?	
		6300	Kühne et al. (2005)	?	
	3.4×10^{-1}		Yaws and Yang (1992)	?	98
	9.9×10^{-1}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-methylpyridine			Staudinger and Roberts (2001)	L	228
$C_5H_4NCH_3$	4.2×10^{-1}		Chaintreau et al. (1995)	M	
(3-picoline; β-picoline)	1.3	6300	Andon et al. (1954)	M	133
[108-99-6]	8.8×10^{-1}		Hilal et al. (2008)	Q	
		6400	Kühne et al. (2005)	Q	
	1.3		Nirmalakhandan et al. (1997)	Q	
	1.3		Mackay et al. (2006d)	?	
		6300	Kühne et al. (2005)	?	
	5.4×10^{-1}		Yaws and Yang (1992)	?	98
	1.3		Abraham et al. (1990)	?	
4-methylpyridine			Staudinger and Roberts (2001)	L	228
$C_5H_4NCH_3$	1.7	6500	Andon et al. (1954)	M	133
[108-89-4]	9.0×10^{-1}		Hilal et al. (2008)	Q	
		6400	Kühne et al. (2005)	Q	
	1.3		Nirmalakhandan et al. (1997)	Q	
	1.7		Mackay et al. (2006d)	?	
		6500	Kühne et al. (2005)	?	
	1.6		Abraham et al. (1990)	?	
	1.4		Arnett and Chawla (1979)	?	229
2-ethylpyridine			Staudinger and Roberts (2001)	L	228
$C_5H_4NC_2H_5$	6.0×10^{-1}	6700	Andon et al. (1954)	M	133
[100-71-0]	2.9×10^{-1}		Hilal et al. (2008)	Q	
		6700	Kühne et al. (2005)	Q	
	1.1		Nirmalakhandan et al. (1997)	Q	
		7900	Kühne et al. (2005)	?	
	6.0×10^{-1}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-ethylpyridine			Staudinger and Roberts (2001)	L	228
$C_5H_4NC_2H_5$	9.5×10^{-1}	6400	Andon et al. (1954)	M	133
[536-78-7]	6.7×10^{-1}		Hilal et al. (2008)	Q	
		6700	Kühne et al. (2005)	Q	
	1.1		Nirmalakhandan et al. (1997)	Q	
		6200	Kühne et al. (2005)	?	
	9.5×10^{-1}		Abraham et al. (1990)	?	
4-ethylpyridine			Staudinger and Roberts (2001)	L	228
$C_5H_4NC_2H_5$	1.2	6300	Andon et al. (1954)	M	133
[536-75-4]	7.0×10^{-1}		Hilal et al. (2008)	Q	
		6700	Kühne et al. (2005)	Q	
	1.1		Nirmalakhandan et al. (1997)	Q	
		6300	Kühne et al. (2005)	?	
	1.2		Abraham et al. (1990)	?	
2,3-dimethylpyridine			Staudinger and Roberts (2001)	L	228
$C_5H_3N(CH_3)_2$	1.4	6900	Andon et al. (1954)	M	133
[583-61-9]	6.2×10^{-1}		Hilal et al. (2008)	Q	
		6200	Kühne et al. (2005)	Q	
	9.5×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	1.4		Mackay et al. (2006d)	?	
		5800	Kühne et al. (2005)	?	
	1.4		Abraham et al. (1990)	?	
2,4-dimethylpyridine			Staudinger and Roberts (2001)	L	228
$C_5H_3N(CH_3)_2$	9.9×10^{-1}		Hawthorne et al. (1985)	M	
[108-47-4]	1.5	7100	Andon et al. (1954)	M	133
	5.1×10^{-1}		Hilal et al. (2008)	Q	
		6700	Kühne et al. (2005)	Q	
	9.2×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	1.5		Mackay et al. (2006d)	?	
		6400	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.5		Abraham et al. (1990)	?	
2,5-dimethylpyridine			Staudinger and Roberts (2001)	L	228
$C_5H_3N(CH_3)_2$	1.1	7000	Andon et al. (1954)	M	133
[589-93-5]	5.7×10^{-1}		Hilal et al. (2008)	Q	
		6700	Kühne et al. (2005)	Q	
	9.2×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	1.2		Meylan and Howard (1991)	Q	
		6900	Kühne et al. (2005)	?	
	1.1		Abraham et al. (1990)	?	
2,6-dimethylpyridine			Staudinger and Roberts (2001)	L	228
$C_5H_3N(CH_3)_2$	6.6×10^{-1}		Hawthorne et al. (1985)	M	
[108-48-5]	9.5×10^{-1}	7300	Andon et al. (1954)	M	133
	4.5×10^{-1}		Hilal et al. (2008)	Q	
		6700	Kühne et al. (2005)	Q	
	9.5×10^{-1}		Nirmalakhandan et al. (1997)	Q	
	9.4×10^{-1}		Mackay et al. (2006d)	?	
		6600	Kühne et al. (2005)	?	
	9.5×10^{-1}		Abraham et al. (1990)	?	
3,4-dimethylpyridine			Staudinger and Roberts (2001)	L	228
$C_5H_3N(CH_3)_2$	2.7	6800	Andon et al. (1954)	M	133
[583-58-4]	1.3		Hilal et al. (2008)	Q	
		6200	Kühne et al. (2005)	Q	
	9.2×10^{-1}		Nirmalakhandan et al. (1997)	Q	
		6400	Kühne et al. (2005)	?	
	2.7		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,5-dimethylpyridine			Staudinger and Roberts (2001)	L	228
$C_5H_3N(CH_3)_2$	1.4	6800	Andon et al. (1954)	M	133
[591-22-0]	9.7×10^{-1}		Hilal et al. (2008)	Q	
		6700	Kühne et al. (2005)	Q	
	9.2×10^{-1}		Nirmalakhandan et al. (1997)	Q	
		6500	Kühne et al. (2005)	?	
	1.4		Abraham et al. (1990)	?	
5-ethyl-2-methylpyridine	8.6×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_8H_{11}N$	3.8×10^{-1}		Zhang et al. (2010)	Q	113, 115
[104-90-5]	7.0×10^{-1}		Zhang et al. (2010)	Q	113, 116
	6.2×10^{-2}		Zhang et al. (2010)	Q	113, 117
	4.4×10^{-1}		Hilal et al. (2008)	Q	
2,4,6-trimethylpyridine	5.7×10^{-2}		Mackay et al. (2006d)	V	
$C_5H_2N(CH_3)_3$	5.7×10^{-2}		Mackay et al. (1995)	V	
(collidine)	1.1		Hilal et al. (2008)	C	
[108-75-8]	5.4×10^{-1}		Hilal et al. (2008)	Q	
		7100	Kühne et al. (2005)	Q	
		8600	Kühne et al. (2005)	?	
4-(1,1-dimethylethyl)-pyridine	3.9×10^{-1}		Hilal et al. (2008)	Q	
$C_9H_{13}N$	7.5×10^{-1}		Abraham et al. (1990)	?	
(4-*tert*-butylpyridine)	7.5×10^{-1}	7000	Arnett and Chawla (1979)	?	229
[3978-81-2]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,6-bis-(1,1-dimethylethyl)-pyridine	8.0×10^{-4}	6900	Arnett and Chawla (1979)	M	229
$C_{13}H_{21}N$	2.8×10^{-1}		Arnett and Chawla (1979)	V	230
(2,6-di-*tert*-butylpyridine)					
[585-48-8]					
1-methyl-1H-imidazole	1.1×10^{2}		Hilal et al. (2008)	Q	
$C_4H_6N_2$					
[616-47-7]					
amitrole	6.1×10^{9}		Mackay et al. (2006d)	V	
$C_2H_4N_4$					
[61-82-5]					
1,3-diazine	1.0×10^{1}		Hilal et al. (2008)	Q	
$C_4H_4N_2$					
[289-95-2]					
1,3,5-triazine-2,4,6-triamine	5.2×10^{7}		Zhang et al. (2010)	Q	113, 114
$C_3H_6N_6$	6.7×10^{8}		Zhang et al. (2010)	Q	113, 115
[108-78-1]	5.8×10^{9}		Zhang et al. (2010)	Q	113, 116
	8.4×10^{8}		Zhang et al. (2010)	Q	113, 117
3-cyanopyridine	3.6×10^{1}		Abraham et al. (1994)	R	
$C_6H_4N_2$	1.6×10^{1}		Hilal et al. (2008)	Q	
[100-54-9]	1.2×10^{2}		Nirmalakhandan et al. (1997)	Q	
4-cyanopyridine	1.1×10^{1}		Abraham et al. (1994)	R	
$C_6H_4N_2$	1.7×10^{1}		Hilal et al. (2008)	Q	
[100-48-1]	1.2×10^{2}		Nirmalakhandan et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
indole	7.1		Mackay et al. (2006d)	V	
C_8H_7N	7.1		Mackay et al. (1995)	V	
[120-72-9]	1.5×10^{1}		Howard and Meylan (1997)	X	158
	9.0		Hilal et al. (2008)	Q	
2-methylpyrazine	4.5		Buttery et al. (1971)	M	
$C_4N_2H_3CH_3$	4.8		Hilal et al. (2008)	Q	
[109-08-0]	3.1		Nirmalakhandan et al. (1997)	Q	
2-ethylpyrazine	4.0		Buttery et al. (1971)	M	
$C_4N_2H_3(C_2H_5)$	2.7		Hilal et al. (2008)	Q	
[13925-00-3]	2.7		Nirmalakhandan et al. (1997)	Q	
2,5-dimethylpyrazine	7.1		Marin et al. (1999)	M	
$C_6H_8N_2$	5.5		Marin et al. (1999)	V	
[123-32-0]	6.4		Marin et al. (1999)	Q	
2,6-dimethylpyrazine $C_6H_8N_2$ (3,5-dimethylpyrazine) [108-50-9]	9.8×10^{-1}		Chaintreau et al. (1995)	M	
2-isobutylpyrazine	2.0		Buttery et al. (1971)	M	
$C_4N_2H_3C_4H_9$	1.4		Nirmalakhandan et al. (1997)	Q	
[29460-92-2]					
2-(1-methylpropyl)-pyrazine $C_8H_{12}N_2$ [29460-93-3]	1.6		Hilal et al. (2008)	Q	
2,3-diethyl-5-methylpyrazine $C_9H_{14}N_2$ [18138-04-0]	8.1×10^{-1}		Roberts and Pollien (1997)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
benzo[*b*]pyridine	3.8×10^{1}		Mackay et al. (2006d)	V	
C_9H_7N	3.8×10^{1}		Mackay et al. (1995)	V	
(quinoline)	6.0		Meylan and Howard (1991)	V	
[91-22-5]	6.4		Abraham et al. (1994)	R	
	3.7×10^{1}	5400	Goldstein (1982)	X	122
	4.0×10^{1}		Smith and Bomberger (1980)	X	161
	6.4		Hilal et al. (2008)	Q	
		7300	Kühne et al. (2005)	Q	
	3.4×10^{1}		Nirmalakhandan et al. (1997)	Q	
	1.4×10^{1}		Meylan and Howard (1991)	Q	
		7300	Kühne et al. (2005)	?	
benzo[*c*]pyridine	5.2×10^{-2}		Mackay et al. (2006d)	V	
C_9H_7N	5.2×10^{-2}		Mackay et al. (1995)	V	
(isoquinoline)	9.2		Hilal et al. (2008)	Q	
[119-65-3]					
benzo[*f*]quinoline			Mackay et al. (2006d)	V	226
$C_{13}H_9N$	1.0×10^{2}		Mackay et al. (1995)	V	
[85-02-9]					
carbazole	9.3×10^{1}	4300	Odabasi et al. (2006)	M	
$C_{12}H_9N$	6.6×10^{-2}		Mackay et al. (2006d)	V	
[86-74-8]	6.6×10^{-2}		Mackay et al. (1995)	V	
	6.2×10^{-2}		Smith and Bomberger (1980)	X	161
o-phenanthroline	1.1×10^{5}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_8N_2$	9.9×10^{3}		Zhang et al. (2010)	Q	113, 115
[66-71-7]	1.2×10^{5}		Zhang et al. (2010)	Q	113, 116
	4.4×10^{2}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
acridine	3.3×10^{1}		Mackay et al. (2006d)	V	
$C_{13}H_9N$	3.3×10^{1}		Mackay et al. (1995)	V	
[260-94-6]					
6-pentyl-1,2,3,4,7,8,9,10-octahydrophenanthridine	4.5×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{27}N$	2.0×10^{1}		Zhang et al. (2010)	Q	113, 115
[10594-03-3]	6.2		Zhang et al. (2010)	Q	113, 116
	2.2×10^{-2}		Zhang et al. (2010)	Q	113, 117
5-methyl-3-(2H)-isoxazolone	5.0×10^{3}		Hilal et al. (2008)	Q	
$C_4H_5NO_2$ (hymexazol) [10004-44-1]					
isoxazole	2.4×10^{-1}		Hilal et al. (2008)	Q	
C_3H_3NO [288-14-2]					
4-nitrosomorpholine	5.0×10^{2}		Mirvish et al. (1976)	X	158
$C_4H_8N_2O_2$	9.0×10^{2}		Hilal et al. (2008)	Q	
[59-89-2]					
1-nitrosopyrrolidine	2.0×10^{2}		Mirvish et al. (1976)	X	158
$C_4H_8N_2O$	3.4×10^{1}		Hilal et al. (2008)	Q	
[930-55-2]					
1-nitrosopiperidine	1.2×10^{1}		Mirvish et al. (1976)	X	158
$C_5H_{10}N_2O$	2.9×10^{1}		Hilal et al. (2008)	Q	
[100-75-4]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
N-methyl-2-pyrrolidone	2.1×10^{3}	9100	Bernauer and Dohnal (2009)	M	
C_5H_9NO	3.1×10^{3}		Kim et al. (2000)	M	
[872-50-4]					
N-acetylpyrrolidine	6.2×10^{3}		Gibbs et al. (1991)	M	
$C_6H_{11}NO$ [4030-18-6]					
1-oxa-4-azacyclohexane	7.3×10^{1}	8400	Cabani et al. (1975a)	T	
C_4H_9NO	1.6×10^{2}		Hilal et al. (2008)	Q	
(morpholine)	1.0×10^{1}		Nirmalakhandan et al. (1997)	Q	
[110-91-8]					
4-methyl-1-oxa-4-azacyclohexane	1.8×10^{1}	8300	Cabani et al. (1975a)	T	
$C_5H_{11}NO$	5.7		Hilal et al. (2008)	Q	
(N-methylmorpholine; 4-methylmorpholine)	1.7×10^{1}		Nirmalakhandan et al. (1997)	Q	
[109-02-4]					
N-isobutylmorpholine		8100	Kühne et al. (2005)	Q	
$C_8H_{17}NO$		6000	Kühne et al. (2005)	?	
[10315-98-7]					
hexazinone			Mabury and Crosby (1996)	M	227
$C_{12}H_{20}N_4O_2$ [51235-04-2]					
cyanuric acid	1.1×10^{9}		Zhang et al. (2010)	Q	113, 114
$C_3H_3N_3O_3$	3.4×10^{5}		Zhang et al. (2010)	Q	113, 115
[108-80-5]	4.2×10^{10}		Zhang et al. (2010)	Q	113, 116
	4.0×10^{7}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-methoxypyridine $C_5H_4NOCH_3$ [620-08-6]		7100	Arnett and Chawla (1979)	?	229
3-formylpyridine	6.5×10^{1}		Abraham et al. (1994)	R	
C_6H_5NO	1.0×10^{2}		Hilal et al. (2008)	Q	
[500-22-1]	3.8×10^{1}		Nirmalakhandan et al. (1997)	Q	
4-formylpyridine	5.6×10^{1}		Abraham et al. (1994)	R	
C_6H_5NO	1.0×10^{2}		Hilal et al. (2008)	Q	
[872-85-5]	3.8×10^{1}		Nirmalakhandan et al. (1997)	Q	
3-acetylpyridine	4.6×10^{2}		Abraham et al. (1994)	R	
C_7H_7NO	1.9×10^{2}		Hilal et al. (2008)	Q	
[350-03-8]	2.7×10^{1}		Nirmalakhandan et al. (1997)	Q	
4-acetylpyridine	1.6×10^{2}		Abraham et al. (1994)	R	
C_7H_7NO	1.9×10^{2}		Hilal et al. (2008)	Q	
[1122-54-9]	2.7×10^{1}		Nirmalakhandan et al. (1997)	Q	
2-ethyl-3-methoxypyrazine	6.7×10^{-1}		Buttery et al. (1971)	M	
$C_4N_2H_3(C_2H_5)OCH_3$ [25680-58-4]	2.5×10^{1}		Hilal et al. (2008)	Q	
2-isobutyl-3-methoxypyrazine	1.7×10^{-1}		Karl et al. (2003)	M	
$C_4N_2H_3(C_4H_9)OCH_3$ [24683-00-9]	2.0×10^{-1}		Buttery et al. (1971)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
simeton	1.5×10^{4}		Hilal et al. (2008)	Q	
$C_8H_{15}N_5O$	2.5×10^{4}		Abraham et al. (2007)	Q	
[673-04-1]					
2-methoxy-3-(1-methylethyl)-pyrazine $C_8H_{12}N_2O$ [25773-40-4]	1.5×10^{1}		Hilal et al. (2008)	Q	
atraton	6.4×10^{3}		Hilal et al. (2008)	Q	
$C_9H_{17}N_5O$	1.1×10^{4}		Abraham et al. (2007)	Q	
[1610-17-9]					
carbendazim $C_9H_9N_3O_2$ [10605-21-7]	6.5×10^{5}		Mackay et al. (2006d)	V	
secbumeton	2.8×10^{3}		Mackay et al. (2006d)	V	
$C_{10}H_{19}N_5O$	2.9×10^{3}		Suntio et al. (1988)	V	9
[26259-45-0]	5.0×10^{3}		Hilal et al. (2008)	Q	
	7.2×10^{3}		Abraham et al. (2007)	Q	
terbumeton	2.1×10^{3}		Mackay et al. (2006d)	V	
$C_{10}H_{19}N_5O$	2.4×10^{3}		Hilal et al. (2008)	Q	
[33693-04-8]	1.6×10^{3}		Abraham et al. (2007)	Q	
prometone	1.1×10^{4}		Mackay et al. (2006d)	V	
$C_{10}H_{19}N_5O$	1.1×10^{4}		Suntio et al. (1988)	V	9
[1610-18-0]	2.7×10^{3}		Hilal et al. (2008)	Q	
	5.1×10^{3}		Abraham et al. (2007)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
metamitron	2.2×10^{6}		Delgado and Alderete (2003)	C	
$C_{10}H_{10}N_4O$	2.8×10^{7}		Delgado and Alderete (2003)	Q	
[41394-05-2]	1.6×10^{7}		Delgado and Alderete (2003)	Q	
ethirimol	3.6×10^{3}		Mackay et al. (2006d)	V	
$C_{11}H_{19}N_3O$					
[23947-60-6]					
pirimor	3.1×10^{3}		Mackay et al. (2006d)	V	
$C_{11}H_{18}N_4O_2$	5.0×10^{3}		Siebers and Mattusch (1996)	V	9
(pirimicarb)	5.9×10^{3}		Siebers et al. (1994)	V	
[23103-98-2]	3.1×10^{3}		Suntio et al. (1988)	V	9
aminocarb	1.9×10^{3}		Mackay et al. (2006d)	V	
$C_{11}H_{16}N_2O_2$					
[2032-59-9]					
bendiocarb	2.7×10^{2}		Mackay et al. (2006d)	V	
$C_{11}H_{13}NO_4$					
[22781-23-3]					
N,N-dimethyl-N'-[4-(1-methylethyl)phenyl]-urea	8.1×10^{4}		Mackay et al. (2006d)	V	
$C_{12}H_{18}N_2O$	9.5×10^{4}		Otto et al. (1997)	V	
(isoproturon)	1.1×10^{5}		Siebers et al. (1994)	V	
[34123-59-6]					
monodesmethylisoproturon	2.8×10^{5}		Otto et al. (1997)	V	
$C_{11}H_{16}N_2O$					
[34123-57-4]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
fenfuram	2.5×10^{4}		Mackay et al. (2006d)	V	
$C_{12}H_{11}NO_2$					
[24691-80-3]					
triallyl cyanurate	2.3×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{15}N_3O_3$	1.8×10^{3}		Zhang et al. (2010)	Q	113, 115
[101-37-1]	1.9×10^{2}		Zhang et al. (2010)	Q	113, 116
	4.1×10^{4}		Zhang et al. (2010)	Q	113, 117
butralin	2.0		Mackay et al. (2006d)	V	
$C_{14}H_{21}N_3O_4$					
[33629-47-9]					
benomyl	5.2×10^{5}		Mackay et al. (2006d)	V	
$C_{14}H_{18}N_4O_3$					
[17804-35-2]					
isopropalin	1.9×10^{-1}		Mackay et al. (2006d)	V	
$C_{15}H_{23}N_3O_4$					
[33820-53-0]					
metalaxyl	4.0×10^{4}		Mackay et al. (2006d)	V	
$C_{15}H_{21}NO_4$	8.5×10^{4}		Burkhard and Guth (1981)	V	
[57837-19-1]					
ancymidol	4.7×10^{6}		Hilal et al. (2008)	Q	
$C_{15}H_{16}N_2O_2$					
[12771-68-5]					
fenam	2.7×10^{5}		Mackay et al. (2006d)	V	
$C_{16}H_{17}NO$					
[957-51-7]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
fenoxycarb $C_{17}H_{19}NO_4$ [79127-80-3]	1.2×10^{4}		Mackay et al. (2006d)	V	
fenpropimorph $C_{20}H_{33}NO$ [67564-91-4]	6.2		Mackay et al. (2006d)	V	
benalaxyl $C_{20}H_{23}NO_3$ [71626-11-4]	8.3×10^{1}		Mackay et al. (2006d)	V	
bitertanol $C_{20}H_{23}N_3O_2$ [55179-31-2]	1.2×10^{4}		Mackay et al. (2006d)	V	
bitertanol diastereoisomer a $C_{20}H_{23}N_3O_2$ [70585-36-3]	3.1×10^{6}		Mackay et al. (2006d)	V	
bitertanol diastereoisomer b $C_{20}H_{23}N_3O_2$ [70585-38-5]	1.5×10^{6}		Mackay et al. (2006d)	V	
2-[4-[4-(2-benzoxazolyl)styryl]phenyl]-5-methylbenzoxazole	7.5×10^{8}		Zhang et al. (2010)	Q	113, 114
$C_{29}H_{20}N_2O_2$	6.2×10^{6}		Zhang et al. (2010)	Q	113, 115
[5242-49-9]	1.2×10^{5}		Zhang et al. (2010)	Q	113, 116
	9.5×10^{7}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)phenol	7.2×10^{9}		Zhang et al. (2010)	Q	113, 114
$C_{30}H_{29}N_3O$	5.8×10^{5}		Zhang et al. (2010)	Q	113, 115
[70321-86-7]	1.4×10^{7}		Zhang et al. (2010)	Q	113, 116
	8.8×10^{6}		Zhang et al. (2010)	Q	113, 117
1,3,5-tris(3,5-di-tert-butyl-4-hydroxybenzyl)-1,3,5-triazinane-2,4,6-trione	6.1×10^{20}		Zhang et al. (2010)	Q	113, 114
$C_{48}H_{69}N_3O_6$	1.3×10^{12}		Zhang et al. (2010)	Q	113, 115
[27676-62-6]	3.4×10^{10}		Zhang et al. (2010)	Q	113, 116
	8.2×10^{14}		Zhang et al. (2010)	Q	113, 117
Nitrates ($RONO_2$)					
methyl nitrate	2.0×10^{-2}	4700	Sander et al. (2011)	L	
CH_3ONO_2	2.0×10^{-2}	4700	Sander et al. (2006)	L	
[598-58-3]	2.0×10^{-2}	4700	Kames and Schurath (1992)	M	
	2.6×10^{-2}		Schwartz (1986)	C	30
	6.2×10^{-2}		Hilal et al. (2008)	Q	
		4900	Kühne et al. (2005)	Q	
		4800	Kühne et al. (2005)	?	
ethyl nitrate	1.6×10^{-2}	5400	Sander et al. (2011)	L	
$C_2H_5ONO_2$	1.6×10^{-2}	5400	Sander et al. (2006)	L	
[625-58-1]	1.6×10^{-2}	5400	Kames and Schurath (1992)	M	
	3.9×10^{-2}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-propyl nitrate	1.1×10^{-2}	5500	Sander et al. (2011)	L	
$C_3H_7ONO_2$	1.1×10^{-2}	5500	Sander et al. (2006)	L	
[627-13-4]	9.0×10^{-3}	5600	Staudinger and Roberts (2001)	L	
	7.4×10^{-3}	4600	Hauff et al. (1998)	M	
	1.1×10^{-2}	5500	Kames and Schurath (1992)	M	
	1.1×10^{-2}		Hauff et al. (1998)	V	
	2.5×10^{-2}		Hilal et al. (2008)	Q	
		5600	Kühne et al. (2005)	Q	
		4600	Kühne et al. (2005)	?	
2-propyl nitrate	7.8×10^{-3}	5400	Sander et al. (2011)	L	
$C_3H_7ONO_2$	7.8×10^{-3}	5400	Sander et al. (2006)	L	
(isopropyl nitrate)	6.6×10^{-3}	5400	Staudinger and Roberts (2001)	L	
[1712-64-7]	5.5×10^{-3}	4300	Hauff et al. (1998)	M	
	7.8×10^{-3}	5400	Kames and Schurath (1992)	M	
	8.1×10^{-3}		Hauff et al. (1998)	V	
	1.7×10^{-2}		Hilal et al. (2008)	Q	
		4600	Kühne et al. (2005)	Q	
		4300	Kühne et al. (2005)	?	
1-butyl nitrate	1.0×10^{-2}	5800	Sander et al. (2011)	L	
$C_4H_9ONO_2$	1.0×10^{-2}	5800	Sander et al. (2006)	L	
[928-45-0]	8.8×10^{-3}	6000	Staudinger and Roberts (2001)	L	
	6.3×10^{-3}	5200	Hauff et al. (1998)	M	
	1.0×10^{-2}	5800	Kames and Schurath (1992)	M	
	1.0×10^{-2}	6000	Luke et al. (1989)	M	
	8.5×10^{-3}		Hauff et al. (1998)	V	
	1.7×10^{-2}		Hilal et al. (2008)	Q	
		5900	Kühne et al. (2005)	Q	
		5800	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-butyl nitrate	6.4×10^{-3}	5400	Sander et al. (2011)	L	
$C_4H_9ONO_2$	6.4×10^{-3}	5400	Sander et al. (2006)	L	
[924-52-7]	6.4×10^{-3}	6100	Staudinger and Roberts (2001)	L	
	4.4×10^{-3}		Hauff et al. (1998)	M	
	6.4×10^{-3}	5400	Kames and Schurath (1992)	M	
	6.3×10^{-3}	5600	Luke et al. (1989)	M	
	6.4×10^{-3}		Hauff et al. (1998)	V	
		4900	Kühne et al. (2005)	Q	
		5400	Kühne et al. (2005)	?	
2-methyl-1-nitropropane	7.0×10^{-3}	5200	Kames and Schurath (1992)	M	
$C_4H_9ONO_2$	1.6×10^{-2}		Hilal et al. (2008)	Q	
(isobutyl nitrate)					
[543-29-3]					
1-pentyl nitrate	6.6×10^{-3}	6300	Hauff et al. (1998)	M	
$C_5H_{11}ONO_2$	1.2×10^{-2}		Kames and Schurath (1992)	M	9
(amyl nitrate)	4.0×10^{-3}		Hauff et al. (1998)	V	
[1002-16-0]	1.3×10^{-2}		Hilal et al. (2008)	Q	
		6300	Kühne et al. (2005)	Q	
		6300	Kühne et al. (2005)	?	
2-pentyl nitrate	3.7×10^{-3}	6400	Staudinger and Roberts (2001)	L	
$C_5H_{11}ONO_2$	3.7×10^{-3}	5100	Hauff et al. (1998)	M	
[21981-48-6]	3.6×10^{-3}	6300	Kames and Schurath (1992)	M	
	4.8×10^{-3}		Hauff et al. (1998)	V	
	9.5×10^{-3}		Hilal et al. (2008)	Q	
		5300	Kühne et al. (2005)	Q	
		5100	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-pentyl nitrate	3.8×10^{-3}	5300	Hauff et al. (1998)	M	
$C_5H_{13}ONO_2$	4.9×10^{-3}		Hauff et al. (1998)	V	
[82944-59-0]	9.2×10^{-3}		Hilal et al. (2008)	Q	
		5300	Kühne et al. (2005)	Q	
		5300	Kühne et al. (2005)	?	
3-methyl-1-butanol nitrate	5.0×10^{-3}	5900	Hauff et al. (1998)	M	
$C_5H_{11}ONO_2$	1.2×10^{-2}		Hilal et al. (2008)	Q	
(isoamyl nitrate)		6300	Kühne et al. (2005)	Q	
[543-87-3]		5900	Kühne et al. (2005)	?	
pentaerythritol tetranitrate	8.2×10^{5}		Zhang et al. (2010)	Q	113, 114
$C_5H_8N_4O_{12}$	1.1×10^{4}		Zhang et al. (2010)	Q	113, 115
[78-11-5]	7.9×10^{4}		Zhang et al. (2010)	Q	113, 116
	3.6×10^{3}		Zhang et al. (2010)	Q	113, 117
1-hexyl nitrate	7.6×10^{-3}	6700	Hauff et al. (1998)	M	
$C_6H_{13}ONO_2$	3.6×10^{-3}		Hauff et al. (1998)	V	
[20633-11-8]	9.5×10^{-3}		Hilal et al. (2008)	Q	
		6600	Kühne et al. (2005)	Q	
		6700	Kühne et al. (2005)	?	
2-nitrooxyethanol	3.9×10^{2}		Sander et al. (2011)	L	
$HOC_2H_4ONO_2$	3.9×10^{2}		Sander et al. (2006)	L	
[16051-48-2]	3.8×10^{2}	8600	Shepson et al. (1996)	M	
	3.9×10^{2}		Kames and Schurath (1992)	M	9
	1.7×10^{2}		Hilal et al. (2008)	Q	
		9200	Kühne et al. (2005)	Q	
		8700	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-nitrooxy-2-propanol	6.6×10^{1}		Sander et al. (2011)	L	
$C_3H_7O_4N$	6.6×10^{1}		Sander et al. (2006)	L	
[20266-65-3]	1.1×10^{2}	10000	Shepson et al. (1996)	M	
	6.6×10^{1}		Kames and Schurath (1992)	M	231, 9
	7.2×10^{1}		Kames and Schurath (1992)	M	231, 9
	9.5×10^{1}		Hilal et al. (2008)	Q	
2-nitrooxy-1-propanol	7.2×10^{1}		Sander et al. (2011)	L	
$C_3H_7O_4N$	7.2×10^{1}		Sander et al. (2006)	L	
[20266-74-4]	4.4×10^{1}	8800	Shepson et al. (1996)	M	
	6.6×10^{1}		Kames and Schurath (1992)	M	231, 9
	7.2×10^{1}		Kames and Schurath (1992)	M	231, 9
	8.6×10^{1}		Hilal et al. (2008)	Q	
1-nitrooxy-2-butanol	8.9×10^{1}		Treves et al. (2000)	M	125
$C_4H_9O_4N$	5.7×10^{1}	9200	Shepson et al. (1996)	M	
[147794-11-4]	6.1×10^{1}		Hilal et al. (2008)	Q	
2-nitrooxy-1-butanol	8.8×10^{1}		Treves et al. (2000)	M	125
$C_4H_9O_4N$	5.9×10^{1}	9600	Shepson et al. (1996)	M	
[147794-12-5]	6.0×10^{1}		Hilal et al. (2008)	Q	
2-nitrooxy-3-butanol	1.0×10^{2}	9500	Shepson et al. (1996)	M	
$C_4H_9O_4N$	5.4×10^{1}		Hilal et al. (2008)	Q	
[147794-10-3]					
3-nitrooxy-1-butanol	1.4×10^{2}		Treves et al. (2000)	M	125
$C_4H_9O_4N$					
4-nitrooxy-1-butanol	2.9×10^{2}		Treves et al. (2000)	M	125
$C_4H_9O_4N$					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-nitrooxy-2-butanol $C_4H_9O_4N$	1.3×10^{2}		Treves et al. (2000)	M	125
4-nitrooxy-1-pentanol $C_5H_{11}O_4N$	2.0×10^{2}		Treves et al. (2000)	M	125
5-nitrooxy-2-pentanol $C_5H_{11}O_4N$	3.6×10^{2}		Treves et al. (2000)	M	125
1-nitrooxy-2-propanone	1.0×10^{1}		Sander et al. (2011)	L	
$CH_3COCH_2ONO_2$	1.0×10^{1}		Sander et al. (2006)	L	
(nitrooxyacetone)	1.0×10^{1}		Kames and Schurath (1992)	M	9
[6745-71-7]	1.2×10^{2}		Hilal et al. (2008)	Q	
1,2-ethanediol dinitrate	6.3		Sander et al. (2011)	L	
$O_3NCH_2CH_2ONO_2$	6.3		Sander et al. (2006)	L	
(1,2-ethane dinitrate)	7.8×10^{-1}		Fischer and Ballschmiter (1998b)	M	232
[628-96-6]	6.3		Kames and Schurath (1992)	M	9
	8.2		Hilal et al. (2008)	Q	
1,2-propanediol dinitrate	1.7		Sander et al. (2011)	L	
$C_3H_6(ONO_2)_2$	1.7		Sander et al. (2006)	L	
(1,2-propane dinitrate)	3.2×10^{-1}		Fischer and Ballschmiter (1998b)	M	232
[6423-43-4]	1.7		Kames and Schurath (1992)	M	9
	2.7		Hilal et al. (2008)	Q	
1,3-propanediol dinitrate	1.3		Fischer and Ballschmiter (1998b)	M	232
$C_3H_6N_2O_6$ [3457-90-7]	4.4		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3-propanetriol trinitrate $C_3H_5N_3O_9$ (nitroglycerin) [55-63-0]	3.9×10^{1}		Hilal et al. (2008)	Q	
1,2-butanediol dinitrate $C_4H_8N_2O_6$ [20820-41-1]	2.1×10^{-1}		Fischer and Ballschmiter (1998b)	M	232
1,3-butanediol dinitrate $C_4H_8N_2O_6$ [6423-44-5]	5.7×10^{-1}		Fischer and Ballschmiter (1998b)	M	232
1,4-butanediol dinitrate	1.6		Fischer and Ballschmiter (1998b)	M	232
$C_4H_8N_2O_6$ [3457-91-8]	2.7		Hilal et al. (2008)	Q	
2,3-butanediol dinitrate $C_4H_8N_2O_6$ [6423-45-6]	1.2×10^{-1}		Fischer and Ballschmiter (1998b)	M	232
1,2-pentanediol dinitrate $C_5H_{10}N_2O_6$ [89365-05-9]	1.3×10^{-1}		Fischer and Ballschmiter (1998b)	M	232

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,4-pentanediol dinitrate $C_5H_{10}N_2O_6$ [25385-63-1]	3.9×10^{-1}		Fischer and Ballschmiter (1998b)	M	232
1,5-pentanediol dinitrate $C_5H_{10}N_2O_6$ [3457-92-9]	1.2		Fischer and Ballschmiter (1998b)	M	232
(2R,4S)-2,4-pentanediol dinitrate $C_5H_{10}N_2O_6$ (*cis*-2,4-pentanediol dinitrate) [208252-05-5]	2.2×10^{-1}		Fischer and Ballschmiter (1998b)	M	232
(2R,4R)-2,4-pentanediol dinitrate $C_5H_{10}N_2O_6$ (*trans*-2,4-pentanediol dinitrate) [208252-04-4]	1.4×10^{-1}		Fischer and Ballschmiter (1998b)	M	232
1,2-hexanediol dinitrate $C_6H_{12}N_2O_6$ [110539-07-6]	9.6×10^{-2}		Fischer and Ballschmiter (1998b)	M	232
1,5-hexanediol dinitrate $C_6H_{12}N_2O_6$ [206443-83-6]	2.7×10^{-1}		Fischer and Ballschmiter (1998b)	M	232

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,6-hexanediol dinitrate $C_6H_{12}N_2O_6$ [3457-93-0]	1.5		Fischer and Ballschmiter (1998b)	M	232
2,5-hexanediol dinitrate $C_6H_{12}N_2O_6$ [99115-63-6]	3.1×10^{-1}		Fischer and Ballschmiter (1998b)	M	232
(1R,2S)-1,2-cyclohexanediol dinitrate $C_6H_{10}N_2O_6$ (*cis*-1,2-cyclohexanediol dinitrate) [32342-28-2]	1.3		Fischer and Ballschmiter (1998b)	M	232
(1R,2R)-1,2-cyclohexanediol dinitrate $C_6H_{10}N_2O_6$ (*trans*-1,2-cyclohexanediol dinitrate) [32342-29-3]	5.2×10^{-1}		Fischer and Ballschmiter (1998b)	M	232

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
(1R,3S)-1,3-cyclohexanediol dinitrate $C_6H_{10}N_2O_6$ (*cis*-1,3-cyclohexanediol dinitrate) [170994-36-2]	3.4		Fischer and Ballschmiter (1998b)	M	232
(1R,3R)-1,3-cyclohexanediol dinitrate $C_6H_{10}N_2O_6$ (*trans*-1,3-cyclohexanediol dinitrate) [170994-41-9]	6.8×10^{-1}		Fischer and Ballschmiter (1998b)	M	232
1,7-heptanediol dinitrate $C_7H_{14}N_2O_6$ [3457-94-1]	1.1		Fischer and Ballschmiter (1998b)	M	232
(1R,2R)-1,2-cycloheptanediol dinitrate $C_7H_{12}N_2O_6$ (*trans*-1,2-cycloheptanediol dinitrate) [208252-06-6]	8.8×10^{-1}		Fischer and Ballschmiter (1998b)	M	232

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2-octanediol dinitrate $C_8H_{16}N_2O_6$ [121222-48-8]	5.2×10^{-2}		Fischer and Ballschmiter (1998b)	M	232
1,8-octanediol dinitrate $C_8H_{16}N_2O_6$ [3457-95-2]	7.8×10^{-1}		Fischer and Ballschmiter (1998b)	M	232
1,2-decanediol dinitrate $C_{10}H_{20}N_2O_6$ [60123-40-2]	2.0×10^{-2}		Fischer and Ballschmiter (1998b)	M	232
1,10-decanediol dinitrate $C_{10}H_{20}N_2O_6$ [3457-97-4]	4.3×10^{-1}		Fischer and Ballschmiter (1998b)	M	232
diethylene glycol dinitrate $C_4H_8N_2O_7$ [693-21-0]	1.1×10^{2}		Hilal et al. (2008)	Q	
peroxyacetyl nitrate	2.9×10^{-2}	5700	Warneck and Williams (2012)	L	
$CH_3COOONO_2$	2.8×10^{-2}	5700	Sander et al. (2011)	L	
(PAN)	2.8×10^{-2}	5700	Sander et al. (2006)	L	
[2278-22-0]	2.9×10^{-2}	5800	Leu and Zhang (1999)	L	
	4.0×10^{-2}		Kames and Schurath (1995)	M	9
	2.8×10^{-2}	6500	Kames et al. (1991)	M	
	4.9×10^{-2}		Holdren et al. (1984)	M	148
	3.6×10^{-2}		Gaffney and Senum (1984)	X	151

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.9×10^{-2}	5900	Pandis and Seinfeld (1989)	C	
	3.6×10^{-2}		Schwartz (1986)	C	30
	2.2		Hilal et al. (2008)	Q	
		4800	Kühne et al. (2005)	Q	
		6300	Kühne et al. (2005)	?	
			Warneck et al. (1996)	?	7
			Schurath et al. (1996)	?	7
peroxypropionyl nitrate $C_2H_5COOONO_2$ (PPN) [5796-89-4]	2.9×10^{-2}		Kames and Schurath (1995)	M	9
			Warneck et al. (1996)	?	7
			Schurath et al. (1996)	?	7
nitro butaneperoxoate $C_3H_7COOONO_2$ (PnBN) [27746-48-1]	2.3×10^{-2}		Kames and Schurath (1995)	M	9
			Warneck et al. (1996)	?	7
			Schurath et al. (1996)	?	7
peroxy-2-propenoyl nitrate $CH_2C(CH_3)COOONO_2$ (peroxymethacryloyl nitrate; MPAN) [88181-75-3]	1.7×10^{-2}		Kames and Schurath (1995)	M	9
			Warneck et al. (1996)	?	7
			Schurath et al. (1996)	?	7
peroxy-isobutyryl nitrate $C_3H_7COOONO_2$ (PiBN) [65424-60-4]	9.9×10^{-3}		Kames and Schurath (1995)	M	9
			Warneck et al. (1996)	?	7
			Schurath et al. (1996)	?	7
Nitriles (RCN)					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
cyano radical CN [2074-87-5]	7.8×10^{-4}	1400	Berdnikov and Bazhin (1970)	T	12
hydrogen cyanide HCN (hydrocyanic acid) [74-90-8]	1.1×10^{-1}	5000	Edwards et al. (1978)	L	
	7.5×10^{-2}		Riveros et al. (1998)	M	9
	1.2×10^{-1}		Fredenhagen and Wellmann (1932b)	M	
	9.2×10^{-2}		Hine and Weimar (1965)	R	
	7.4×10^{-2}		Gaffney and Senum (1984)	X	151, 207
	3.9×10^{-2}		Hilal et al. (2008)	Q	
	1.1×10^{-1}		Yaws (1999)	?	
ethane nitrile CH_3CN (acetonitrile) [75-05-8]	5.2×10^{-1}	4000	Sander et al. (2011)	L	
	5.2×10^{-1}	4000	Sander et al. (2006)	L	
	5.0×10^{-1}	4100	Fogg and Sangster (2003)	L	
	5.1×10^{-1}	4000	Staudinger and Roberts (2001)	L	
	4.7×10^{-1}	3500	Arijs and Brasseur (1986)	L	
	6.0×10^{-1}	6300	Hiatt (2013)	M	
	5.2×10^{-1}	4000	Ji and Evans (2007)	M	
	4.9×10^{-1}		Bebahani et al. (2002)	M	
	5.3×10^{-1}	4100	Benkelberg et al. (1995)	M	
	4.6×10^{-1}		Li and Carr (1993)	M	
	4.8×10^{-1}	3900	Snider and Dawson (1985)	M	
	5.3×10^{-1}	4100	Hamm et al. (1984)	M	
	3.7×10^{-2}		Abraham and Acree Jr. (2007)	V	
	5.0×10^{-1}		Hwang et al. (1992)	V	
	2.9×10^{-1}		Hine and Weimar (1965)	R	
	2.9×10^{-1}		Gaffney and Senum (1984)	X	151
	7.7×10^{-1}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		4200	Kühne et al. (2005)	Q	
	2.9×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	3.6×10^{-1}		Mackay et al. (2006d)	?	
		4300	Kühne et al. (2005)	?	
	4.9×10^{-1}		Yaws and Yang (1992)	?	98
	2.9×10^{-1}		Abraham et al. (1990)	?	
propane nitrile	4.3×10^{-1}	6200	Hiatt (2013)	M	
C_2H_5CN	3.3×10^{-1}	4600	Ji and Evans (2007)	M	
(propionitrile)	2.5×10^{-1}		Li and Carr (1993)	M	
[107-12-0]	1.9×10^{-1}		Hawthorne et al. (1985)	M	
	2.6×10^{-1}		Butler and Ramchandani (1935)	M	
	3.1×10^{-1}		Mackay et al. (2006d)	V	
	3.1×10^{-1}		Mackay et al. (1995)	V	
	1.7×10^{-1}		Howard (1990)	X	161
	5.0×10^{-1}		Hilal et al. (2008)	Q	
	2.6×10^{-1}		Mackay et al. (2006d)	?	
	2.7×10^{-1}		Abraham et al. (1990)	?	
butane nitrile	2.7×10^{-1}	5100	Ji and Evans (2007)	M	
C_3H_7CN	1.3×10^{-1}		Ramachandran et al. (1996)	M	
(butyronitrile)	1.9×10^{-1}		Li and Carr (1993)	M	
[109-74-0]	1.4×10^{-1}		Hawthorne et al. (1985)	M	
	1.9×10^{-1}		Butler and Ramchandani (1935)	M	
	3.5×10^{-1}		Hilal et al. (2008)	Q	
		4900	Kühne et al. (2005)	Q	
	1.9×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	1.9×10^{-1}		Mackay et al. (2006d)	?	
		4700	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.9×10^{-1}		Abraham et al. (1990)	?	
2-methylpropane nitrile	9.4×10^{-2}		Li and Carr (1993)	M	
C_4H_7N	1.9×10^{-1}		Hilal et al. (2008)	Q	
(isobutyronitrile)		4900	Kühne et al. (2005)	Q	
[78-82-0]		5100	Kühne et al. (2005)	?	
pentane nitrile	1.4×10^{-1}		Li and Carr (1993)	M	
C_4H_9CN	1.6×10^{-1}		Amoore and Buttery (1978)	V	
(butyl cyanide; valeronitrile)	2.7×10^{-1}		Hilal et al. (2008)	Q	
[110-59-8]	1.5×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	1.5×10^{-1}		Abraham et al. (1990)	?	
hexanenitrile $C_6H_{11}N$ [628-73-9]	2.3×10^{-1}		Hilal et al. (2008)	Q	
heptanenitrile $C_7H_{13}N$ [629-08-3]	1.6×10^{-1}		Hilal et al. (2008)	Q	
octanenitrile $C_8H_{15}N$ [124-12-9]	1.3×10^{-1}		Hilal et al. (2008)	Q	
nonanenitrile $C_9H_{17}N$ [2243-27-8]	1.0×10^{-1}		Hilal et al. (2008)	Q	
decanenitrile $C_{10}H_{19}N$ [1975-78-6]	8.0×10^{-2}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
undecanenitrile $C_{11}H_{21}N$ [2244-07-7]	6.1×10^{-2}		Hilal et al. (2008)	Q	
cyclohexanecarbonitrile $C_7H_{11}N$ [766-05-2]	7.3×10^{-1}		Hilal et al. (2008)	Q	
ethanedinitrile	2.6×10^{-3}		Hilal et al. (2008)	Q	
C_2N_2	1.8×10^{-3}		Yaws and Yang (1992)	?	98, 9
(cyanogen) [460-19-5]					
hexanedinitrile	2.4×10^{2}		Mackay et al. (2006d)	V	
$C_6H_8N_2$	2.4×10^{2}		Mackay et al. (1995)	V	
(adiponitrile)	2.2×10^{3}		Hilal et al. (2008)	Q	
[111-69-3]					
2-propenenitrile	1.2×10^{-1}	6800	Hiatt (2013)	M	
C_3H_3N	1.3×10^{-1}		Mackay et al. (2006d)	V	
(acrylonitrile)	8.2×10^{-2}	3400	Fogg and Sangster (2003)	V	
[107-13-1]	9.1×10^{-2}		Lide and Frederikse (1995)	V	
	1.3×10^{-1}		Mackay et al. (1995)	V	
	9.8×10^{-2}		Hwang et al. (1992)	V	
	7.2×10^{-2}		Bocek (1976)	X	158
	1.1×10^{-1}	2800	Goldstein (1982)	X	122
	1.1×10^{-1}		Mackay et al. (1995)	C	
	1.1×10^{-1}		Ryan et al. (1988)	C	
	2.2×10^{-2}		Hilal et al. (2008)	Q	
		3600	Kühne et al. (2005)	Q	
	9.0×10^{-2}		Mackay et al. (2006d)	?	
		3600	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methyl-2-propene nitrile	5.4×10^{-2}	6700	Hiatt (2013)	M	
C_4H_5N	1.7×10^{-2}		Hilal et al. (2008)	Q	
(methacrylonitrile)		4000	Kühne et al. (2005)	Q	
[126-98-7]		4600	Kühne et al. (2005)	?	
benzenenitrile	2.9×10^{-1}	5100	Lee et al. (2013)	M	
C_6H_5CN	1.9×10^{-1}		Mackay et al. (2006d)	V	
(benzonitrile)	3.9×10^{-1}		Schüürmann (2000)	V	
[100-47-0]	1.9×10^{-1}		Mackay et al. (1995)	V	
	1.9×10^{-1}		Mackay et al. (1995)	V	
	5.0×10^{-1}		Abraham et al. (1994)	R	
	2.4×10^{-1}		Hilal et al. (2008)	Q	
		5900	Kühne et al. (2005)	Q	
	1.5×10^{-1}		Nirmalakhandan et al. (1997)	Q	
		6400	Kühne et al. (2005)	?	
	1.8×10^{-2}		Yaws and Yang (1992)	?	98, 163
	4.1×10^{-1}		Abraham et al. (1990)	?	
2-methylbenzonitrile C_8H_7N (*o*-tolunitrile) [529-19-1]	7.6×10^{-1}		Schüürmann (2000)	V	
3-methylbenzonitrile	1.7×10^{-1}		Zhang et al. (2010)	Q	113, 114
C_8H_7N	3.4×10^{-1}		Zhang et al. (2010)	Q	113, 115
(*m*-tolunitrile)	8.8×10^{-1}		Zhang et al. (2010)	Q	113, 116
[620-22-4]	1.8×10^{-1}		Zhang et al. (2010)	Q	113, 117

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
benzeneacetonitrile	1.0×10^{1}		Hilal et al. (2008)	Q	
C_8H_7N		6200	Kühne et al. (2005)	Q	
(phenylacetonitrile)		5100	Kühne et al. (2005)	?	
[140-29-4]					
3,7-dimethyl-2,6-octadienenitrile	2.9×10^{-2}		Helburn et al. (2008)	M	
$C_{10}H_{15}N$					
(geranyl nitrile)					
[5146-66-7]					
2,2'-azobis(2-methylbutyronitrile)	4.5×10^{4}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_{16}N_4$	9.2×10^{1}		Zhang et al. (2010)	Q	113, 115
[13472-08-7]	1.5×10^{1}		Zhang et al. (2010)	Q	113, 116
	4.4×10^{-1}		Zhang et al. (2010)	Q	113, 117
isocyanic acid	2.1×10^{-1}		Roberts et al. (2011)	M	
HNCO					
[75-13-8]					
cyanoethanoic acid, ethyl ester	7.7×10^{1}		Hilal et al. (2008)	Q	
$C_5H_7NO_2$					
[105-56-6]					
2-hydroxybenzoic acid nitrile	2.8×10^{1}		Hilal et al. (2008)	Q	
C_7H_5NO					
(2-cyanophenol)					
[611-20-1]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-hydroxybenzoic acid nitrile	4.0×10^{4}		Hilal et al. (2008)	Q	
C_7H_5NO	3.3×10^{5}		Nirmalakhandan et al. (1997)	Q	
(3-cyanophenol)	3.8×10^{3}		Abraham et al. (1990)	?	
[873-62-1]					
4-hydroxybenzoic acid nitrile	1.4×10^{4}		Hilal et al. (2008)	Q	
C_7H_5NO	3.3×10^{5}		Nirmalakhandan et al. (1997)	Q	
(4-cyanophenol)	1.2×10^{4}		Abraham et al. (1990)	?	
[767-00-0]					
fenpropathrin	1.7×10^{1}		Siebers and Mattusch (1996)	V	9
$C_{22}H_{23}NO_3$					
[39515-41-8]					
Nitro compounds (RNO_2)					
nitromethane	3.4×10^{-1}	4000	Sander et al. (2011)	L	
CH_3NO_2	3.4×10^{-1}	4000	Sander et al. (2006)	L	
[75-52-5]	3.5×10^{-1}	4000	Beneš and Dohnal (1999)	M	
	3.6×10^{-1}		Park et al. (1987)	M	
	4.5×10^{-1}		Rohrschneider (1973)	M	
	3.5×10^{-1}		Gaffney and Senum (1984)	X	151
	3.4×10^{-1}		Hilal et al. (2008)	Q	
		3700	Kühne et al. (2005)	Q	
	7.3×10^{-2}		Nirmalakhandan et al. (1997)	Q	
		3500	Kühne et al. (2005)	?	
	3.4×10^{-2}		Yaws (1999)	?	
	3.6×10^{-2}		Yaws and Yang (1992)	?	98
	3.6×10^{-1}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
nitromethane-13C CH_3NO_2 [32480-00-5]	4.8×10^{-1}	5000	Hiatt (2013)	M	
nitroethane	2.1×10^{-1}	4400	Sander et al. (2011)	L	
$C_2H_5NO_2$	2.1×10^{-1}	4400	Sander et al. (2006)	L	
[79-24-3]	2.2×10^{-1}	4400	Beneš and Dohnal (1999)	M	
	1.4		Friant and Suffet (1979)	M	24
	1.9×10^{-1}		Hwang et al. (1992)	V	
	2.1×10^{-1}		Hine and Mookerjee (1975)	V	
	2.1×10^{-1}		Gaffney and Senum (1984)	X	151
	2.2×10^{-1}		Hilal et al. (2008)	Q	
		4100	Kühne et al. (2005)	Q	
	6.1×10^{-2}		Nirmalakhandan et al. (1997)	Q	
		4200	Kühne et al. (2005)	?	
	2.1×10^{-1}		Abraham et al. (1990)	?	
1-nitropropane	1.3×10^{-1}	4700	Sander et al. (2011)	L	
$C_3H_7NO_2$	1.3×10^{-1}	4700	Sander et al. (2006)	L	
[108-03-2]	1.3×10^{-1}	4700	Beneš and Dohnal (1999)	M	
	1.1×10^{-1}		Hine and Mookerjee (1975)	V	
	1.5×10^{-1}		Hilal et al. (2008)	Q	
		4400	Kühne et al. (2005)	Q	
	4.7×10^{-2}		Nirmalakhandan et al. (1997)	Q	
		4400	Kühne et al. (2005)	?	
	1.6×10^{-1}		Yaws and Yang (1992)	?	98, 9
	1.1×10^{-1}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-nitropropane	8.3×10^{-2}	4500	Sander et al. (2011)	L	
$CH_3CH(NO_2)CH_3$	8.3×10^{-2}	4500	Sander et al. (2006)	L	
[79-46-9]	8.4×10^{-2}	4500	Beneš and Dohnal (1999)	M	
	8.0×10^{-2}		Hine and Mookerjee (1975)	V	
	7.2×10^{-2}		Hilal et al. (2008)	Q	
		4400	Kühne et al. (2005)	Q	
	4.1×10^{-2}		Nirmalakhandan et al. (1997)	Q	
		4400	Kühne et al. (2005)	?	
	1.1×10^{-1}		Yaws and Yang (1992)	?	98, 9
	8.0×10^{-2}		Abraham et al. (1990)	?	
1-nitrobutane	9.7×10^{-2}		Hilal et al. (2008)	Q	
$C_4H_9NO_2$	3.7×10^{-2}		Nirmalakhandan et al. (1997)	Q	
[627-05-4]	7.5×10^{-2}		Abraham et al. (1990)	?	
tert-butylnitrite $C_4H_9NO_2$ [540-80-7]	7.9×10^{-3}		Hilal et al. (2008)	Q	
1-nitropentane	4.7×10^{-2}		Amoore and Buttery (1978)	V	
$C_5H_{11}NO_2$	6.0×10^{-2}		Hilal et al. (2008)	Q	
[628-05-7]	2.9×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	4.7×10^{-2}		Abraham et al. (1990)	?	
tris(hydroxymethyl)ethane trinitrate	2.2×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_5H_9N_3O_9$	1.4×10^{2}		Zhang et al. (2010)	Q	113, 115
[3032-55-1]	2.4×10^{3}		Zhang et al. (2010)	Q	113, 116
	3.4×10^{1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-nitrohexane $C_6H_{13}NO_2$ [646-14-0]	4.5×10^{-2}		Hilal et al. (2008)	Q	
nitrocyclohexane $C_6H_{11}NO_2$ [1122-60-7]	2.4×10^{-1}		Hilal et al. (2008)	Q	
2-nitroethanol $C_2H_5NO_3$ [625-48-9]	1.6×10^{2}		Hilal et al. (2008)	Q	
1-nitro-2-propanol $C_3H_7NO_3$ [3156-73-8]	7.9×10^{1}		Hilal et al. (2008)	Q	
2-nitro-1-propanol $C_3H_7NO_3$ [2902-96-7]	9.9×10^{1}		Hilal et al. (2008)	Q	
1-nitro-2-butanol $C_4H_9NO_3$ [3156-74-9]	7.3×10^{1}		Hilal et al. (2008)	Q	
2-nitro-1-butanol $C_4H_9NO_3$ [609-31-4]	7.5×10^{1}		Hilal et al. (2008)	Q	
3-nitro-2-butanol $C_4H_9NO_3$ [6270-16-2]	5.7×10^{1}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
nitrobenzene	6.4×10^{-1}	7500	Hiatt (2013)	M	
$C_6H_5NO_2$	1.4×10^{-1}		Zhang et al. (2013)	M	
[98-95-3]	2.3×10^{-2}	11000	Dewulf et al. (1999)	M	233
	1.2		Altschuh et al. (1999)	M	
	1.4×10^{-1}		Hellmann (1987)	M	30
	4.1×10^{-1}		Warner et al. (1980)	M	
	4.8×10^{-1}	6400	Bernauer et al. (2006)	V	
	7.7×10^{-1}		Mackay et al. (2006d)	V	
	4.2×10^{-1}		Lide and Frederikse (1995)	V	
	7.7×10^{-1}		Mackay et al. (1995)	V	
	4.6×10^{-1}		Hwang et al. (1992)	V	
	7.8×10^{-1}		Yoshida et al. (1983)	V	
	4.3×10^{-1}		Warner et al. (1980)	V	
	4.2×10^{-1}		Hine and Mookerjee (1975)	V	
	4.7×10^{-1}	4500	Goldstein (1982)	X	122
	4.2×10^{-1}		Hilal et al. (2008)	C	
	4.1×10^{-1}		Schüürmann (2000)	C	11
	7.5×10^{-1}		Mackay et al. (1995)	C	
	7.5×10^{-1}		Ryan et al. (1988)	C	
	2.2×10^{-1}		Hilal et al. (2008)	Q	
		4600	Kühne et al. (2005)	Q	
	3.3		Nirmalakhandan et al. (1997)	Q	
		5600	Kühne et al. (2005)	?	
	4.2×10^{-1}		Abraham et al. (1990)	?	
nitrobenzene-d5 $C_6D_5NO_2$ [4165-60-0]	8.5×10^{-1}	7500	Hiatt (2013)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-nitrotoluene	7.9×10^{-1}		Altschuh et al. (1999)	M	
$C_6H_4(NO_2)CH_3$	2.7×10^{-1}		Mackay et al. (2006d)	V	
[88-72-2]	1.9×10^{-1}		Schüürmann (2000)	V	
	1.8×10^{-1}		Lide and Frederikse (1995)	V	
	2.7×10^{-1}		Mackay et al. (1995)	V	
	1.7×10^{-1}		Hine and Mookerjee (1975)	V	
	7.7×10^{-2}	2900	Goldstein (1982)	X	122
	4.2×10^{-1}		Zhang et al. (2010)	Q	113, 114
	2.4×10^{-1}		Zhang et al. (2010)	Q	113, 115
	2.5×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.8×10^{-1}		Zhang et al. (2010)	Q	113, 117
	4.2×10^{-1}		Zhang et al. (2010)	Q	113, 114
	2.4×10^{-1}		Zhang et al. (2010)	Q	113, 115
	2.2×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.8×10^{-1}		Zhang et al. (2010)	Q	113, 117
	1.4×10^{-1}		Hilal et al. (2008)	Q	
		4900	Kühne et al. (2005)	Q	
	2.3		Nirmalakhandan et al. (1997)	Q	
		5900	Kühne et al. (2005)	?	
	1.7×10^{-1}		Abraham et al. (1990)	?	
3-nitrotoluene	1.1		Altschuh et al. (1999)	M	
$C_6H_4(NO_2)CH_3$	2.8×10^{-1}		Li and Carr (1993)	M	
[99-08-1]	1.3×10^{-1}		Mackay et al. (2006d)	V	
	1.3×10^{-1}		Mackay et al. (1995)	V	
	1.4×10^{-1}		Hine and Mookerjee (1975)	V	
	1.4×10^{-1}	3200	Goldstein (1982)	X	122
	4.2×10^{-1}		Zhang et al. (2010)	Q	113, 114
	2.5×10^{-1}		Zhang et al. (2010)	Q	113, 115
	4.1×10^{-1}		Zhang et al. (2010)	Q	113, 116

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.8×10^{-1}		Zhang et al. (2010)	Q	113, 117
	1.8×10^{-1}		Hilal et al. (2008)	Q	
		4900	Kühne et al. (2005)	Q	
	2.3		Nirmalakhandan et al. (1997)	Q	
		4900	Kühne et al. (2005)	?	
	1.4×10^{-1}		Abraham et al. (1990)	?	
4-nitrotoluene	1.8		Altschuh et al. (1999)	M	
$C_6H_4(NO_2)CH_3$	2.8		Mackay et al. (2006d)	V	
[99-99-0]	2.0×10^{-1}		Lide and Frederikse (1995)	V	
	2.8		Mackay et al. (1995)	V	
	1.6×10^{-1}	3100	Goldstein (1982)	X	122
	4.2×10^{-1}		Zhang et al. (2010)	Q	113, 114
	2.8×10^{-1}		Zhang et al. (2010)	Q	113, 115
	9.0×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.8×10^{-1}		Zhang et al. (2010)	Q	113, 117
	2.0×10^{-1}		Hilal et al. (2008)	Q	
		4900	Kühne et al. (2005)	Q	
		3800	Kühne et al. (2005)	?	
1,2-dinitrobenzene	1.2×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_6H_4N_2O_4$	3.2×10^{1}		Zhang et al. (2010)	Q	113, 115
[528-29-0]	2.6×10^{1}		Zhang et al. (2010)	Q	113, 116
	2.7×10^{1}		Zhang et al. (2010)	Q	113, 117
1,3-dinitrobenzene	2.0×10^{2}		Altschuh et al. (1999)	M	
$C_6H_4N_2O_4$			Mackay et al. (2006d)	V	226
[99-65-0]	5.0×10^{2}		Mackay et al. (1995)	V	
	3.9×10^{1}		Smith et al. (1981a)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,4-dinitrobenzene	2.0×10^{-1}		Mackay et al. (2006d)	V	
$C_6H_4N_2O_4$	2.0×10^{-1}		Mackay et al. (1995)	V	
[100-25-4]					
2-nitrobenzenamine	1.7×10^{2}		Altschuh et al. (1999)	M	
$C_6H_6N_2O_2$	1.0×10^{2}		Abraham et al. (1994)	R	
(2-nitroaniline)	3.1×10^{1}		Hilal et al. (2008)	Q	
[88-74-4]	4.5×10^{2}		Nirmalakhandan et al. (1997)	Q	
3-nitrobenzenamine	6.9×10^{2}		Meylan and Howard (1991)	V	
$C_6H_6N_2O_2$	1.2×10^{3}		Abraham et al. (1994)	R	
(3-nitroaniline)	2.7×10^{3}		Hilal et al. (2008)	Q	
[99-09-2]	4.4×10^{2}		Nirmalakhandan et al. (1997)	Q	
	1.3×10^{3}		Meylan and Howard (1991)	Q	
4-nitrobenzenamine	8.6×10^{3}		Altschuh et al. (1999)	M	
$C_6H_6N_2O_2$	1.4×10^{4}		Abraham et al. (1994)	R	
(4-nitroaniline)	2.2×10^{3}		Hilal et al. (2008)	Q	
[100-01-6]	4.4×10^{2}		Nirmalakhandan et al. (1997)	Q	
1-methyl-2,3-dinitrobenzene	1.1×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_7H_6N_2O_4$	2.2×10^{1}		Zhang et al. (2010)	Q	113, 115
(2,3-dinitrotoluene; 2,3-DNT)	9.5		Zhang et al. (2010)	Q	113, 116
[602-01-7]	1.5×10^{1}		Zhang et al. (2010)	Q	113, 117
	1.1×10^{2}		Zhang et al. (2010)	Q	113, 114
	2.3×10^{1}		Zhang et al. (2010)	Q	113, 115
	1.1×10^{1}		Zhang et al. (2010)	Q	113, 116
	1.5×10^{1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-methyl-2,4-dinitrobenzene	1.8×10^{2}		Altschuh et al. (1999)	M	
$C_7H_6N_2O_4$	1.1×10^{1}		Mackay et al. (2006d)	V	
(2,4-dinitrotoluene; 2,4-DNT)	1.0×10^{2}		Schüürmann (2000)	V	
[121-14-2]	1.1×10^{1}		Mackay et al. (1995)	V	
	6.3×10^{1}		Smith et al. (1981a)	V	
	2.1×10^{-1}	2900	Goldstein (1982)	X	122
	2.2		Mackay et al. (1995)	C	
	3.1×10^{-2}		Ryan et al. (1988)	C	
	1.1×10^{2}		Zhang et al. (2010)	Q	113, 114
	1.6×10^{1}		Zhang et al. (2010)	Q	113, 115
	5.0		Zhang et al. (2010)	Q	113, 116
	1.5×10^{1}		Zhang et al. (2010)	Q	113, 117
2-methyl-1,4-dinitrobenzene	1.1×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_7H_6N_2O_4$	1.8×10^{1}		Zhang et al. (2010)	Q	113, 115
(2,5-dinitrotoluene; 2,5-DNT)	1.4		Zhang et al. (2010)	Q	113, 116
[619-15-8]	1.5×10^{1}		Zhang et al. (2010)	Q	113, 117
2-methyl-1,3-dinitrobenzene	1.4×10^{1}		Mackay et al. (2006d)	V	
$C_7H_6N_2O_4$	1.4×10^{1}		Mackay et al. (1995)	V	
(2,6-dinitrotoluene; 2,6-DNT)	1.2		Mackay et al. (1995)	C	
[606-20-2]	3.1×10^{-2}		Ryan et al. (1988)	C	
	1.1×10^{2}		Zhang et al. (2010)	Q	113, 114
	2.1×10^{1}		Zhang et al. (2010)	Q	113, 115
	4.3		Zhang et al. (2010)	Q	113, 116

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.5×10^{1}		Zhang et al. (2010)	Q	113, 117
4-methyl-1,2-dinitrobenzene	1.1×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_7H_6N_2O_4$	3.9×10^{1}		Zhang et al. (2010)	Q	113, 115
(3,4-dinitrotoluene; 3,4-DNT)	3.1×10^{1}		Zhang et al. (2010)	Q	113, 116
[610-39-9]	1.5×10^{1}		Zhang et al. (2010)	Q	113, 117
1-methyl-2,4,6-trinitrobenzene	5.4×10^{2}		Schüürmann (2000)	V	
$C_7H_5N_3O_6$		6200	Kühne et al. (2005)	Q	
(2,4,6-trinitrotoluene; TNT)		6400	Kühne et al. (2005)	?	
[118-96-7]					
2,4,6-trinitro-1,3-dimethyl-5-*tert*-butylbenzene	3.2×10^{-1}		Lee et al. (2012)	M	
$C_{12}H_{15}N_3O_6$	1.7×10^{-2}		Amoore and Buttery (1978)	V	
(musk xylene)	9.5×10^{3}		Zhang et al. (2010)	Q	113, 114
[81-15-2]	5.6		Zhang et al. (2010)	Q	113, 115
	4.8×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.5×10^{2}		Zhang et al. (2010)	Q	113, 117
2-nitrophenol	1.4	5700	Guo and Brimblecombe (2007)	M	
$HOC_6H_4(NO_2)$	8.3×10^{-1}	6300	Harrison et al. (2002)	M	
[88-75-5]	8.9×10^{-1}	6300	Müller and Heal (2001)	M	
	7.7×10^{-1}		Tremp et al. (1993)	M	9
	6.1×10^{-1}		Mackay et al. (2006c)	V	
	2.9		Lide and Frederikse (1995)	V	
	7.9×10^{-1}		Riederer (1990)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	7.3×10^{-1}		Schwarzenbach et al. (1988)	V	9
	2.8		Leuenberger et al. (1985)	V	166
	9.2×10^{-1}		Abraham et al. (1994)	R	
	6.9×10^{-1}	4600	Goldstein (1982)	X	122
	1.3		Ryan et al. (1988)	C	
	5.3		Hilal et al. (2008)	Q	
		4400	Kühne et al. (2005)	Q	
	1.5×10^{4}		Nirmalakhandan et al. (1997)	Q	
		6300	Kühne et al. (2005)	?	
	7.0×10^{-1}		Abraham et al. (1990)	?	
3-nitrophenol	1.6×10^{2}		Guo and Brimblecombe (2007)	M	234
$HOC_6H_4(NO_2)$	1.0		Lide and Frederikse (1995)	V	
[554-84-7]	4.9×10^{3}		Gaffney and Senum (1984)	X	151
	9.5×10^{3}		Hilal et al. (2008)	Q	
	1.5×10^{4}		Nirmalakhandan et al. (1997)	Q	
	4.6×10^{3}		Abraham et al. (1990)	?	
4-nitrophenol	2.1×10^{2}		Guo and Brimblecombe (2007)	M	234
$HOC_6H_4(NO_2)$	7.7×10^{2}		Tremp et al. (1993)	M	9
[100-02-7]	3.0×10^{2}		Lide and Frederikse (1995)	V	
	2.0×10^{4}		Riederer (1990)	V	
	3.0×10^{2}		Schwarzenbach et al. (1988)	V	9
	9.4×10^{4}		Yoshida et al. (1983)	V	
	2.6×10^{4}	9100	Parsons et al. (1971)	T	167
	9.8	6000	Goldstein (1982)	X	122
	1.6		Ryan et al. (1988)	C	
	6.1×10^{3}		Hilal et al. (2008)	Q	
	1.5×10^{4}		Nirmalakhandan et al. (1997)	Q	
	2.6×10^{4}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-methyl-2-nitrophenol	3.2		Tremp et al. (1993)	M	9
$C_7H_7NO_3$	2.4		Schwarzenbach et al. (1988)	V	9
[4920-77-8]		4700	Kühne et al. (2005)	Q	
		4200	Kühne et al. (2005)	?	
4-methyl-2-nitrophenol	6.7×10^{-1}		Tremp et al. (1993)	M	9
$C_7H_7NO_3$	6.1×10^{-1}		Schwarzenbach et al. (1988)	V	9
[119-33-5]		4700	Kühne et al. (2005)	Q	
		6800	Kühne et al. (2005)	?	
5-methyl-2-nitrophenol	7.7×10^{-1}		Tremp et al. (1993)	M	9
$C_7H_7NO_3$	6.7×10^{-1}		Schwarzenbach et al. (1988)	V	9
[700-38-9]		4700	Kühne et al. (2005)	Q	
		5600	Kühne et al. (2005)	?	
6-methyl-2-nitrophenol	2.9×10^{-1}		Tremp et al. (1993)	M	9
$C_7H_7NO_3$		4700	Kühne et al. (2005)	Q	
[13073-29-5]		5200	Kühne et al. (2005)	?	
3-methyl-4-nitrophenol	6.2×10^{2}		Tremp et al. (1993)	M	9
$C_7H_7NO_3$					
[2581-34-2]					
4-methoxy-2-nitrophenol	5.3		Tremp et al. (1993)	M	9
$C_7H_7NO_4$	2.3×10^{-1}		Schwarzenbach et al. (1988)	V	9
[1568-70-3]		4900	Kühne et al. (2005)	Q	
		6600	Kühne et al. (2005)	?	
4-hydroxy-3-nitro-benzaldehyde	9.4		Schwarzenbach et al. (1988)	V	9
$C_7H_5NO_4$					
[3011-34-5]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4-dinitrophenol	1.1×10^{2}		Tremp et al. (1993)	M	9
$C_6H_4N_2O_5$	3.5×10^{1}		Schwarzenbach et al. (1988)	V	9
[51-28-5]	1.5×10^{4}		Ryan et al. (1988)	C	
	3.6×10^{2}		Zhang et al. (2010)	Q	113, 114
	6.2×10^{2}		Zhang et al. (2010)	Q	113, 115
	4.7		Zhang et al. (2010)	Q	113, 116
	1.3×10^{3}		Zhang et al. (2010)	Q	113, 117
		5000	Kühne et al. (2005)	Q	
		3300	Kühne et al. (2005)	?	
2,5-dinitrophenol	1.5×10^{1}		Schwarzenbach et al. (1988)	V	9
$C_6H_4N_2O_5$					
[329-71-5]					
4-methyl-2,6-dinitrophenol	1.9×10^{2}		Tremp et al. (1993)	M	9
$C_7H_6N_2O_5$	3.2×10^{2}		Zhang et al. (2010)	Q	113, 114
(2,6-dinitro-*p*-cresol)	3.4×10^{3}		Zhang et al. (2010)	Q	113, 115
[609-93-8]	8.8×10^{1}		Zhang et al. (2010)	Q	113, 116
	8.0		Zhang et al. (2010)	Q	113, 117
		3000	Kühne et al. (2005)	Q	
		3400	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-methyl-4,6-dinitrophenol	4.3×10^{1}		Tremp et al. (1993)	M	9
$C_7H_6N_2O_5$	7.0		Warner et al. (1980)	M	
(6-methyl-2,4-dinitrophenol; 4,6-dinitro-*o*-cresol; DNOC)	9.2×10^{1}		Mackay et al. (2006d)	V	
[534-52-1]	2.3×10^{1}		Schwarzenbach et al. (1988)	V	9
	9.1×10^{1}		Suntio et al. (1988)	V	9
	3.2×10^{2}		Zhang et al. (2010)	Q	113, 114
	2.3×10^{3}		Zhang et al. (2010)	Q	113, 115
	1.9×10^{1}		Zhang et al. (2010)	Q	113, 116
	7.2×10^{2}		Zhang et al. (2010)	Q	113, 117
		5400	Kühne et al. (2005)	Q	
		4200	Kühne et al. (2005)	?	
1,2-dimethyl-3-nitrobenzene	3.9×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_8H_9NO_2$	2.9×10^{-1}		Zhang et al. (2010)	Q	113, 115
[83-41-0]	2.6×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.0×10^{-1}		Zhang et al. (2010)	Q	113, 117
1,2-dimethyl-4-nitrobenzene	3.9×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_8H_9NO_2$	3.1×10^{-1}		Zhang et al. (2010)	Q	113, 115
[99-51-4]	8.0×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.0×10^{-1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,4-dimethyl-2-nitrobenzene	3.9×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_8H_9NO_2$	2.5×10^{-1}		Zhang et al. (2010)	Q	113, 115
[89-58-7]	2.2×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.0×10^{-1}		Zhang et al. (2010)	Q	113, 117
2,4-dimethyl-1-nitrobenzene	3.9×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_8H_9NO_2$	3.1×10^{-1}		Zhang et al. (2010)	Q	113, 115
[89-87-2]	4.3×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.0×10^{-1}		Zhang et al. (2010)	Q	113, 117
4-methyl-2-nitroanisole	7.2		Zhang et al. (2010)	Q	113, 114
$C_8H_9NO_3$	1.6		Zhang et al. (2010)	Q	113, 115
[119-10-8]	6.0×10^{1}		Zhang et al. (2010)	Q	113, 116
	2.7		Zhang et al. (2010)	Q	113, 117
1-(1-methylethyl)-4-nitrobenzene	2.4×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_9H_{11}NO_2$	1.3×10^{-1}		Zhang et al. (2010)	Q	113, 115
[1817-47-6]	3.9×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.4×10^{-1}		Zhang et al. (2010)	Q	113, 117
2-(1-methylpropyl)-4,6-dinitrophenol	2.2		Tremp et al. (1993)	M	9
$C_{10}H_{12}N_2O_5$	2.0×10^{-2}		Suntio et al. (1988)	V	9
(dinoseb)	1.4×10^{2}		Zhang et al. (2010)	Q	113, 114
[88-85-7]	5.2×10^{2}		Zhang et al. (2010)	Q	113, 115
	1.3×10^{2}		Zhang et al. (2010)	Q	113, 116
	4.3×10^{2}		Zhang et al. (2010)	Q	113, 117
		6400	Kühne et al. (2005)	Q	
			Mackay et al. (2006d)	?	235

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		7200	Kühne et al. (2005)	?	
1-nitronaphthalene	5.6		Altschuh et al. (1999)	M	
$C_{10}H_7NO_2$			Mackay et al. (2006d)	V	226
[86-57-7]	2.9×10^{-1}		Mackay et al. (1995)	V	
	4.7		Zhang et al. (2010)	Q	113, 114
	4.2		Zhang et al. (2010)	Q	113, 115
	1.6		Zhang et al. (2010)	Q	113, 116
	4.7		Zhang et al. (2010)	Q	113, 117
4-(1-methylpropyl)-2-nitrophenol	1.0×10^{-1}		Tremp et al. (1993)	M	9
$C_{10}H_{13}NO_3$	2.4×10^{-1}		Schwarzenbach et al. (1988)	V	9
(4-*sec*-butyl-2-nitrophenol)		5800	Kühne et al. (2005)	Q	
[3555-18-8]		4300	Kühne et al. (2005)	?	
musk ambrette (artificial)	7.0×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{16}N_2O_5$	2.4		Zhang et al. (2010)	Q	113, 115
[83-66-9]	2.2×10^{-1}		Zhang et al. (2010)	Q	113, 116
	4.6×10^{1}		Zhang et al. (2010)	Q	113, 117
bis(p-nitrophenyl) ether	5.4×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_8N_2O_5$	2.3×10^{2}		Zhang et al. (2010)	Q	113, 115
[101-63-3]	3.0×10^{3}		Zhang et al. (2010)	Q	113, 116
	1.1×10^{4}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-nitro-N-phenylbenzenamine	2.4×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{10}N_2O_2$	1.7×10^{2}		Zhang et al. (2010)	Q	113, 115
[836-30-6]	2.9×10^{4}		Zhang et al. (2010)	Q	113, 116
	2.5×10^{3}		Zhang et al. (2010)	Q	113, 117
5-tert-butyl-4,6-dinitro-1,2,3-trimethylbenzene	3.4×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{13}H_{18}N_2O_4$	2.1		Zhang et al. (2010)	Q	113, 115
[145-39-1]	4.6×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.1		Zhang et al. (2010)	Q	113, 117
penoxaline	1.2×10^{1}		Fendinger and Glotfelty (1990)	M	
$C_{13}H_{19}N_3O_4$	2.7×10^{-1}		Glotfelty et al. (1987)	V	
(pendimethalin)	4.8		Hilal et al. (2008)	Q	
[40487-42-1]					
phenyl 1-hydroxy-4-nitro-2-naphthoate	1.5×10^{4}		Zhang et al. (2010)	Q	113, 114
$C_{17}H_{11}NO_5$	6.7×10^{5}		Zhang et al. (2010)	Q	113, 115
[65208-34-6]	1.1×10^{2}		Zhang et al. (2010)	Q	113, 116
	2.7×10^{5}		Zhang et al. (2010)	Q	113, 117
musk ketone	3.0		Lee et al. (2012)	M	
$C_{14}H_{18}N_2O_5$	2.1×10^{4}		Zhang et al. (2010)	Q	113, 114
[81-14-1]	2.6×10^{2}		Zhang et al. (2010)	Q	113, 115
	8.4		Zhang et al. (2010)	Q	113, 116
	5.0×10^{2}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
moskene	4.8×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_{18}N_2O_4$	1.4×10^{1}		Zhang et al. (2010)	Q	113, 115
[116-66-5]	7.5×10^{-1}		Zhang et al. (2010)	Q	113, 116
	2.5		Zhang et al. (2010)	Q	113, 117
9-ethyl-3-nitrocarbazole	3.3×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_{12}N_2O_2$	6.9×10^{2}		Zhang et al. (2010)	Q	113, 115
[86-20-4]	1.1×10^{3}		Zhang et al. (2010)	Q	113, 116
	2.5×10^{2}		Zhang et al. (2010)	Q	113, 117

Organic species with fluorine (F)

Fluorine (F)

fluoromethane	6.1×10^{-4}	2000	Sander et al. (2011)	L	
CH_3F	6.1×10^{-4}	2000	Sander et al. (2006)	L	
[593-53-3]	5.8×10^{-4}	2200	Wilhelm et al. (1977)	L	
	5.8×10^{-4}	2100	Swain and Thornton (1962)	M	
	5.4×10^{-4}	2200	Glew and Moelwyn-Hughes (1953)	M	
	5.1×10^{-4}		Mackay and Shiu (1981)	V	
	5.8×10^{-4}		Hine and Mookerjee (1975)	V	
	9.2×10^{-5}		Hilal et al. (2008)	Q	
		2200	Kühne et al. (2005)	Q	
	1.9×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	5.9×10^{-4}		Irmann (1965)	Q	
		2200	Kühne et al. (2005)	?	
	7.1×10^{-4}		Yaws (1999)	?	
	7.0×10^{-4}		Yaws and Yang (1992)	?	98, 91

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
difluoromethane	6.9×10^{-4}	2400	Maaßen (1995)	M	
CH_2F_2	6.9×10^{-4}	2300	Reichl (1995)	M	
(R32)	8.4×10^{-4}		Hilal et al. (2008)	Q	
[75-10-5]		2200	Kühne et al. (2005)	Q	
		2400	Kühne et al. (2005)	?	
	8.6×10^{-4}		Yaws (1999)	?	
	8.6×10^{-4}		Yaws and Yang (1992)	?	98
trifluoromethane	1.3×10^{-4}	3300	Sander et al. (2011)	L	
CHF_3	1.3×10^{-4}	3200	Wilhelm et al. (1977)	L	
(R23)	1.4×10^{-4}	2200	Zheng et al. (1997)	M	
[75-46-7]	1.2×10^{-4}	2400	Maaßen (1995)	M	
	1.0×10^{-4}		Hine and Mookerjee (1975)	V	
	1.0×10^{-4}		Irmann (1965)	C	
	2.0×10^{-4}		Hilal et al. (2008)	Q	
		2200	Kühne et al. (2005)	Q	
	1.2×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	1.1×10^{-4}		Irmann (1965)	Q	
		3000	Kühne et al. (2005)	?	
	1.3×10^{-4}		Yaws (1999)	?	
	1.3×10^{-4}		Yaws and Yang (1992)	?	98
tetrafluoromethane	2.1×10^{-6}	2300	Warneck and Williams (2012)	L	
CF_4	2.1×10^{-6}	1800	Sander et al. (2011)	L	
(carbontetrafluoride)	2.1×10^{-6}	1800	Wilhelm et al. (1977)	L	
[75-73-0]	2.0×10^{-6}	2000	Reichl (1995)	M	
	2.2×10^{-6}	1400	Scharlin and Battino (1994)	M	
	2.1×10^{-6}		Park et al. (1982)	M	
	2.0×10^{-6}	2300	Wen and Muccitelli (1979)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.2×10^{-6}	1900	Ashton et al. (1968)	M	
	2.0×10^{-6}	1500	Morrison and Johnstone (1954)	M	
	1.9×10^{-6}		Hine and Mookerjee (1975)	V	
	1.9×10^{-6}		Irmann (1965)	C	
	9.2×10^{-6}		Hilal et al. (2008)	Q	
		2200	Kühne et al. (2005)	Q	
	1.0×10^{-6}	-840	Bonifácio et al. (2001)	Q	
	5.4×10^{-6}		Nirmalakhandan and Speece (1988a)	Q	
	1.6×10^{-6}		Irmann (1965)	Q	
		1900	Kühne et al. (2005)	?	
	1.9×10^{-6}		Yaws (1999)	?	
	1.8×10^{-6}		Yaws and Yang (1992)	?	98
fluoroethane	4.8×10^{-4}		Hilal et al. (2008)	Q	
C_2H_5F [353-36-6]	4.4×10^{-4}		Yaws and Yang (1992)	?	98
1,1-difluoroethane	5.3×10^{-4}	2600	Zheng et al. (1997)	M	
$C_2H_4F_2$	5.0×10^{-4}	2800	Maaßen (1995)	M	
(R152a)	5.0×10^{-4}	2700	Reichl (1995)	M	
[75-37-6]	4.2×10^{-4}	2300	McLinden (1989)	V	
	4.8×10^{-4}		Hine and Mookerjee (1975)	V	
	4.8×10^{-4}		Irmann (1965)	C	119
	2.9×10^{-4}		Hilal et al. (2008)	Q	
		2600	Kühne et al. (2005)	Q	
	1.4×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	4.3×10^{-4}		Irmann (1965)	Q	
		2800	Kühne et al. (2005)	?	
	3.7×10^{-4}		Yaws and Yang (1992)	?	98, 121

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,1,1,2-tetrafluoroethane	1.8×10^{-4}	2700	Zheng et al. (1997)	M	
$C_2H_2F_4$	1.6×10^{-4}	3000	Maaßen (1995)	M	
(R134a)	1.6×10^{-4}	2900	Reichl (1995)	M	
[811-97-2]	2.0×10^{-4}	2500	Chang and Criddle (1995)	M	
	1.4×10^{-4}	2600	McLinden (1989)	V	
	9.7×10^{-5}		Hilal et al. (2008)	Q	
pentafluoroethane	3.5×10^{-5}	3000	Reichl (1995)	M	
C_2HF_5	8.0×10^{-5}	4800	McLinden (1989)	V	
(R125)	3.2×10^{-6}		Zhang et al. (2010)	Q	113, 114
[354-33-6]	2.0×10^{-5}		Zhang et al. (2010)	Q	113, 115
	5.7×10^{-5}		Zhang et al. (2010)	Q	113, 116
	2.1×10^{-5}		Zhang et al. (2010)	Q	113, 117
		2600	Kühne et al. (2005)	Q	
		2900	Kühne et al. (2005)	?	
hexafluoroethane	6.5×10^{-7}	2100	Bonifácio et al. (2001)	M	
C_2F_6	5.3×10^{-7}		Park et al. (1982)	M	
[76-16-4]	5.7×10^{-7}	2900	Wen and Muccitelli (1979)	M	
	4.1×10^{-7}		Zhang et al. (2010)	Q	113, 114
	1.1×10^{-5}		Zhang et al. (2010)	Q	113, 115
	8.4×10^{-7}		Zhang et al. (2010)	Q	113, 116
	1.9×10^{-6}		Zhang et al. (2010)	Q	113, 117
	1.2×10^{-5}		Hilal et al. (2008)	Q	
		2600	Kühne et al. (2005)	Q	
	1.2×10^{-6}	1700	Bonifácio et al. (2001)	Q	
		2900	Kühne et al. (2005)	?	
	5.8×10^{-7}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-fluoropropane	5.7×10^{-4}		Hilal et al. (2008)	Q	
C_3H_7F	6.1×10^{-4}		Yaws and Yang (1992)	?	98, 236
[460-13-9]					
2-fluoropropane	2.5×10^{-4}		Hilal et al. (2008)	Q	
C_3H_7F	5.8×10^{-4}		Yaws and Yang (1992)	?	98, 91
[420-26-8]					
1,1,1,2,2-pentafluoropropane	3.0×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
$C_3H_3F_5$					
[1814-88-6]					
1,1,1,3,3,3-hexafluoropropane	1.2×10^{-6}		Zhang et al. (2010)	Q	113, 114
$C_3H_2F_6$	3.9×10^{-5}		Zhang et al. (2010)	Q	113, 115
[690-39-1]	1.8×10^{-4}		Zhang et al. (2010)	Q	113, 116
	2.7×10^{-6}		Zhang et al. (2010)	Q	113, 117
1,1,1,2,3,3,3-heptafluoropropane	1.4×10^{-5}	3300	Reichl (1995)	M	
C_3HF_7		2900	Kühne et al. (2005)	Q	
(R227)		3300	Kühne et al. (2005)	?	
[431-89-0]					
octafluoropropane	1.2×10^{-7}	6900	Wen and Muccitelli (1979)	M	
C_3F_8	7.7×10^{-8}		Zhang et al. (2010)	Q	113, 114
(R218)	1.0×10^{-5}		Zhang et al. (2010)	Q	113, 115
[76-19-7]	3.8×10^{-7}		Zhang et al. (2010)	Q	113, 116
	4.5×10^{-7}		Zhang et al. (2010)	Q	113, 117
	1.1×10^{-5}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
octafluorocyclobutane	1.3×10^{-6}	3100	Clever et al. (2005)	L	237
C_4F_8	1.3×10^{-6}	2900	Scharlin and Battino (1994)	M	
[115-25-3]	1.2×10^{-6}		Park et al. (1982)	M	
	1.2×10^{-6}	3800	Wen and Muccitelli (1979)	M	
	1.3×10^{-7}		Zhang et al. (2010)	Q	113, 114
	1.6×10^{-6}		Zhang et al. (2010)	Q	113, 115
	2.2×10^{-6}		Zhang et al. (2010)	Q	113, 116
	1.0×10^{-6}		Zhang et al. (2010)	Q	113, 117
	9.2×10^{-6}		Hilal et al. (2008)	Q	
		4500	Kühne et al. (2005)	Q	
		3800	Kühne et al. (2005)	?	
	2.5×10^{-6}		Yaws and Yang (1992)	?	98, 238
dodecafluoropentane	6.1×10^{-6}		Hilal et al. (2008)	Q	
C_5F_{12}					
[678-26-2]					
fluorocyclohexane	1.3×10^{-3}		Hilal et al. (2008)	Q	
$C_6H_{11}F$					
[372-46-3]					
1-fluoroheptane	2.7×10^{-4}		Hilal et al. (2008)	Q	
$C_7H_{15}F$					
[661-11-0]					
hexadecafluoroheptane	1.9×10^{-7}		Hilal et al. (2008)	Q	
C_7F_{16}					
[335-57-9]					
1-fluorooctane	1.5×10^{-4}		Hilal et al. (2008)	Q	
$C_8H_{17}F$					
[463-11-6]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
eicosafluorononane C_9F_{20} [375-96-2]	4.5×10^{-9}		Hilal et al. (2008)	Q	
perfluoroundecane	1.3×10^{-13}		Zhang et al. (2010)	Q	113, 114
$C_{11}F_{24}$	1.2×10^{-11}		Zhang et al. (2010)	Q	113, 115
[307-49-3]	1.2×10^{-9}		Zhang et al. (2010)	Q	113, 116
	6.0×10^{-12}		Zhang et al. (2010)	Q	113, 117
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-henicosafluorododecane $C_{12}H_5F_{21}$ (F10H2)	3.8×10^{-10}		Plassmann et al. (2010)	Q	
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorotetradecane $C_{14}H_{17}F_{13}$ (F6H8) [133331-77-8]	6.4×10^{-7}		Plassmann et al. (2010)	Q	
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoroicosane $C_{20}H_{29}F_{13}$ (F6H14) [154628-00-9]	2.5×10^{-7}		Plassmann et al. (2010)	Q	
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorodocosane $C_{22}H_{33}F_{13}$ (F6H16) [133310-71-1]	2.0×10^{-7}		Plassmann et al. (2010)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorotetracosane $C_{24}H_{33}F_{17}$ (F8H16) [117146-18-6]	4.0×10^{-9}		Plassmann et al. (2010)	Q	
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-henicosafluorohexacosane $C_{26}H_{33}F_{21}$ (F10H16)	2.2×10^{-11}		Plassmann et al. (2010)	Q	
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafluorohexacosane $C_{26}H_{29}F_{25}$ (F12H14) [93454-73-0]	1.8×10^{-13}		Plassmann et al. (2010)	Q	
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafluorooctacosane $C_{28}H_{33}F_{25}$ (F12H16)	3.0×10^{-14}		Plassmann et al. (2010)	Q	
1,1-difluoroethene	5.1×10^{-5}		Hilal et al. (2008)	Q	
$C_2H_2F_2$	2.5×10^{-5}		Yaws and Yang (1992)	?	98
[75-38-7]					
tetrafluoroethene	1.6×10^{-5}	2100	Wilhelm et al. (1977)	L	
C_2F_4	9.8×10^{-6}		Irmann (1965)	C	24
[116-14-3]	1.9×10^{-5}		Hilal et al. (2008)	Q	
		2400	Kühne et al. (2005)	Q	
		2100	Kühne et al. (2005)	?	
	1.6×10^{-5}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
hexafluoropropene	2.9×10^{-6}	2400	Wilhelm et al. (1977)	L	
C_3F_6	6.8×10^{-6}	2600	Maaßen (1995)	M	
[116-15-4]	3.6×10^{-5}		Hilal et al. (2008)	Q	
		2800	Kühne et al. (2005)	Q	
		2400	Kühne et al. (2005)	?	
(perfluorobutyl)ethene	8.8×10^{-8}		Zhang et al. (2010)	Q	113, 114
$C_6H_3F_9$	3.3×10^{-6}		Zhang et al. (2010)	Q	113, 115
(4:2 FTO)	8.6×10^{-6}		Zhang et al. (2010)	Q	113, 116
[19430-93-4]	3.6×10^{-7}		Zhang et al. (2010)	Q	113, 117
	2.5×10^{-6}	4100	Goss et al. (2006)	Q	
(perfluorohexyl)ethene $C_8H_3F_{13}$ (6:2 FTO) [25291-17-2]	5.3×10^{-7}	4900	Goss et al. (2006)	Q	
(perfluorooctyl)ethene $C_{10}H_3F_{17}$ (8:2 FTO) [21652-58-4]	1.4×10^{-7}	5700	Goss et al. (2006)	Q	
(perfluorodecyl)ethene $C_{12}H_3F_{21}$ (10:2 FTO) [30389-25-4]	3.3×10^{-8}	6500	Goss et al. (2006)	Q	
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafluorooctacos-13-ene $C_{28}H_{31}F_{25}$	8.8×10^{-11}		Plassmann et al. (2010)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
fluorobenzene	1.6×10^{-3}		Mackay and Shiu (1981)	L	
C_6H_5F	1.6×10^{-3}	3900	Hiatt (2013)	M	
[462-06-6]	1.4×10^{-3}	4300	Dewulf et al. (1999)	M	
	1.1×10^{-3}		Li and Carr (1993)	M	
	1.5×10^{-3}	4400	Hartkopf and Karger (1973)	M	
	1.6×10^{-3}		Schüürmann (2000)	V	
	1.4×10^{-3}		Mackay et al. (1993)	V	
	2.0×10^{-3}		Hilal et al. (2008)	Q	
		3700	Kühne et al. (2005)	Q	
	5.0×10^{-3}		Nirmalakhandan et al. (1997)	Q	
		3800	Kühne et al. (2005)	?	
	1.2×10^{-3}		Hoff et al. (1993)	?	11
	1.6×10^{-3}		Yaws and Yang (1992)	?	98
	1.5×10^{-3}		Abraham et al. (1990)	?	
1,2-difluorobenzene	1.2×10^{-3}	3500	Brockbank et al. (2013)	M	
$C_6H_4F_2$	2.2×10^{-3}		Hilal et al. (2008)	Q	
(*o*-difluorobenzene)	1.4×10^{-3}		Yaws and Yang (1992)	?	98
[367-11-3]					
1,3-difluorobenzene	1.3×10^{-3}		Hilal et al. (2008)	Q	
$C_6H_4F_2$	1.3×10^{-4}		Yaws and Yang (1992)	?	98
(*m*-difluorobenzene)					
[372-18-9]					
1,4-difluorobenzene	1.6×10^{-3}	3900	Hiatt (2013)	M	
$C_6H_4F_2$	1.8×10^{-3}		Hilal et al. (2008)	Q	
(*p*-difluorobenzene)	1.3×10^{-3}		Yaws and Yang (1992)	?	98
[540-36-3]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3,5-tetrafluorobenzene $C_6H_2F_4$ [2367-82-0]	5.0×10^{-4}		Hilal et al. (2008)	Q	
1,2,4,5-tetrafluorobenzene $C_6H_2F_4$ [327-54-8]	7.0×10^{-4}		Hilal et al. (2008)	Q	
pentafluorobenzene C_6HF_5 [363-72-4]	7.5×10^{-4}	4800	Hiatt (2013)	M	
hexafluorobenzene C_6F_6 [392-56-3]	5.5×10^{-4}	5200	Hiatt (2013)	M	
(trifluoromethyl)-benzene	6.1×10^{-4}		Abraham et al. (1994)	V	
$C_6H_5CF_3$	6.2×10^{-4}		Mackay and Shiu (1981)	V	
(α,α,α-trifluorotoluene)	1.3×10^{-3}		Hilal et al. (2008)	Q	
[98-08-8]	1.9×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	6.0×10^{-4}		Yaws and Yang (1992)	?	98
decafluorobiphenyl $C_{10}F_{10}$ [434-90-2]	6.7×10^{-3}	3600	Hiatt (2013)	M	
carbonyl fluoride	3.5×10^{-1}		Mirabel et al. (1996)	M	
COF_2	9.9×10^{-3}		De Bruyn et al. (1995a)	M	185
[353-50-4]	2.0×10^{-1}		George et al. (1993)	X	239

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
formyl fluoride FCHO [1493-02-3]	3.0×10^{-2}		Kanakidou et al. (1995)	E	
2-fluoroethanol C_2H_5FO [371-62-0]	2.5		Hilal et al. (2008)	Q	
2,2,2-trifluoroethanol	4.7×10^{-1}	6200	Sander et al. (2011)	L	
CF_3CH_2OH	4.7×10^{-1}	6200	Chen et al. (2003)	M	
[75-89-8]	5.8×10^{-1}	5900	Rochester and Symonds (1973)	M	
	3.5×10^{-1}		Zhang et al. (2010)	Q	113, 114
	2.4×10^{-1}		Zhang et al. (2010)	Q	113, 115
	3.8		Zhang et al. (2010)	Q	113, 116
	4.7×10^{-2}		Zhang et al. (2010)	Q	113, 117
	6.1×10^{-1}		Hilal et al. (2008)	Q	
		6500	Kühne et al. (2005)	Q	
	5.0×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		5600	Kühne et al. (2005)	?	
	5.7×10^{-1}		Abraham et al. (1990)	?	
1,1,1-trifluoro-2-propanol	4.5×10^{-1}	6300	Rochester and Symonds (1973)	M	
$CF_3CHOHCH_3$	2.2×10^{-1}		Hilal et al. (2008)	Q	
[374-01-6]		6900	Kühne et al. (2005)	Q	
	5.2×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		6300	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2,3,3-tetrafluoro-1-propanol	1.4	7000	Sander et al. (2011)	L	
$CHF_2CF_2CH_2OH$	1.4	7000	Chen et al. (2003)	M	
[76-37-9]	1.6	6700	Rochester and Symonds (1973)	M	
	6.0×10^{-1}		Hilal et al. (2008)	Q	
		6900	Kühne et al. (2005)	Q	
	3.7×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		6600	Kühne et al. (2005)	?	
2,2,3,3,3-pentafluoro-1-propanol	1.4×10^{-1}	4300	Sander et al. (2011)	L	
$CF_3CF_2CH_2OH$	1.4×10^{-1}	4300	Chen et al. (2003)	M	
[422-05-9]	4.5×10^{-1}	6000	Rochester and Symonds (1973)	M	
	2.3×10^{-1}		Hilal et al. (2008)	Q	
		6800	Kühne et al. (2005)	Q	
		6000	Kühne et al. (2005)	?	
1,1,1,3,3,3-hexafluoro-2-propanol	2.4×10^{-1}	6700	Rochester and Symonds (1973)	M	
$CF_3CHOHCF_3$	2.5×10^{-2}		Hilal et al. (2008)	Q	
[920-66-1]		6800	Kühne et al. (2005)	Q	
	2.3×10^{-1}		Nirmalakhandan and Speece (1988a)	Q	
		6700	Kühne et al. (2005)	?	
	2.3×10^{-1}		Abraham et al. (1990)	?	
trifluoroacetylfluoride	3.0×10^{-2}		Mirabel et al. (1996)	M	
CF_3COF	9.5×10^{-3}		De Bruyn et al. (1995a)	M	185
[354-34-7]	3.0×10^{-2}		George et al. (1994b)	M	240

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,1,1-trifluoro-2-propanone	1.4	8900	Sander et al. (2011)	L	
CF_3COCH_3	1.4	8900	Betterton (1991)	M	
[421-50-1]					
fluoroethanoic acid	8.0×10^{2}		Sander et al. (2011)	L	
CH_2FCOOH	8.0×10^{2}		Bowden et al. (1998a)	M	
(fluoroacetic acid)	5.4×10^{2}		Hilal et al. (2008)	Q	
[144-49-0]					
difluoroethanoic acid	3.0×10^{2}	6900	Sander et al. (2011)	L	
CHF_2COOH	3.0×10^{2}	6900	Bowden et al. (1998a)	M	
(difluoroacetic acid)	7.2×10^{1}		Hilal et al. (2008)	Q	
[381-73-7]		7700	Kühne et al. (2005)	Q	
		6900	Kühne et al. (2005)	?	
trifluoroethanoic acid	8.9×10^{1}	9300	Sander et al. (2011)	L	
CF_3COOH	5.7×10^{1}	4100	Kutsuna and Horia (2008)	M	
(trifluoroacetic acid)	8.8×10^{1}	9300	Bowden et al. (1996)	M	
[76-05-1]	2.3		Zhang et al. (2010)	Q	113, 114
	1.6×10^{-1}		Zhang et al. (2010)	Q	113, 115
	8.0		Zhang et al. (2010)	Q	113, 116
	3.9		Zhang et al. (2010)	Q	113, 117
	4.0×10^{-1}		Hilal et al. (2008)	Q	
		7700	Kühne et al. (2005)	Q	
		9400	Kühne et al. (2005)	?	
perfluorohexanoic acid	4.4×10^{-1}		Arp et al. (2006)	Q	241
$C_6HF_{11}O_2$	1.2×10^{-1}		Arp et al. (2006)	Q	242
[307-24-4]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
perfluoroheptanoic acid	5.7×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_7HF_{13}O_2$	5.0×10^{-2}		Zhang et al. (2010)	Q	113, 115
[375-85-9]	2.2×10^{-2}		Zhang et al. (2010)	Q	113, 116
	5.6×10^{-3}		Zhang et al. (2010)	Q	113, 117
	1.8×10^{-1}		Arp et al. (2006)	Q	241
	5.7×10^{-2}		Arp et al. (2006)	Q	242
pentadecafluorooctanoic acid	4.9×10^{-2}		Kutsuna and Hori (2008)	M	
$C_8HF_{15}O_2$	4.0×10^{-1}		Li et al. (2007)	M	
(perfluorooctanoic acid; PFOA)	1.1×10^{-4}		Zhang et al. (2010)	Q	113, 114
[335-67-1]	1.0×10^{-2}		Zhang et al. (2010)	Q	113, 115
	1.2×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.1×10^{-3}		Zhang et al. (2010)	Q	113, 117
	1.1×10^{-4}		Zhang et al. (2010)	Q	113, 114
	1.0×10^{-2}		Zhang et al. (2010)	Q	113, 115
	2.1×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.1×10^{-3}		Zhang et al. (2010)	Q	113, 117
	9.5×10^{-2}		Arp et al. (2006)	Q	241
	2.0×10^{-2}		Arp et al. (2006)	Q	242
perfluorononanoic acid	4.3×10^{-2}		Arp et al. (2006)	Q	241
$C_9HF_{17}O_2$	5.3×10^{-3}		Arp et al. (2006)	Q	242
[375-95-1]					
perfluorodecanoic acid	2.5×10^{-2}		Arp et al. (2006)	Q	241
$C_{10}HF_{19}O_2$	1.1×10^{-3}		Arp et al. (2006)	Q	242
[335-76-2]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
perfluoroundecanoic acid	1.3×10^{-2}		Arp et al. (2006)	Q	241
$C_{11}HF_{21}O_2$	1.9×10^{-4}		Arp et al. (2006)	Q	242
[2058-94-8]					
perfluorododecanoic acid	6.4×10^{-3}		Plassmann et al. (2011)	E	
$C_{12}HF_{23}O_2$					
[307-55-1]					
perfluorotetradecanoic acid	1.6×10^{-3}		Plassmann et al. (2011)	E	
$C_{14}HF_{27}O_2$					
[376-06-7]					
ethyl 2,2,2-trifluoroethyl ether	7.2×10^{-4}		Hilal et al. (2008)	Q	
$C_4H_7F_3O$					
[461-24-5]					
(2,2,2-trifluoroethoxy)-ethene	5.4×10^{-4}	4000	Fogg and Sangster (2003)	L	
$CF_3CH_2OCHCH_2$	3.3×10^{-4}		Steward et al. (1973)	L	20
(fluoroxene)	5.5×10^{-4}	4300	Smith et al. (1981b)	M	
[406-90-6]	3.2×10^{-4}		Stoelting and Longshore (1972)	M	20
	3.3×10^{-4}		Munson et al. (1964)	M	20
	9.5×10^{-5}		Hilal et al. (2008)	Q	
	5.1×10^{-4}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2,2-trifluoroethyl methanoate	5.4×10^{-3}	4700	Sander et al. (2011)	L	
$C_3H_3F_3O_2$	5.4×10^{-3}	4700	Kutsuna et al. (2005)	M	
[32042-38-9]					
2,2,2-trifluoroethyl ethanoate	5.5×10^{-3}	5200	Sander et al. (2011)	L	
$C_4H_5F_3O_2$	5.7×10^{-3}	5300	Kutsuna et al. (2004)	M	
[406-95-1]		6400	Kühne et al. (2005)	Q	
		5500	Kühne et al. (2005)	?	
trifluoroethanoic acid, methyl ester	1.1×10^{-3}	5300	Sander et al. (2011)	L	243
CF_3COOCH_3	1.2×10^{-3}	4900	Kutsuna et al. (2004)	M	
(methyl trifluoroacetate)		6100	Kühne et al. (2005)	Q	
[431-47-0]		5800	Kühne et al. (2005)	?	
trifluoroethanoic acid, ethyl ester	8.9×10^{-4}	4900	Sander et al. (2011)	L	
$CF_3COOC_2H_5$	8.9×10^{-4}	4900	Kutsuna et al. (2005)	M	
(ethyl trifluoroacetate)					
[383-63-1]					
trifluoro(trifluoromethyl)-oxirane	8.8×10^{-6}	3000	Clever et al. (2005)	C	244
C_3F_6O					
[428-59-1]					
heptafluorobutanoic acid	8.2×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_4HF_7O_2$	7.2×10^{-1}		Zhang et al. (2010)	Q	113, 115
[375-22-4]	2.5×10^{-1}		Zhang et al. (2010)	Q	113, 116
	6.4×10^{-1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,3,4,4,4-pentafluorobutan-1-ol	5.1×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_4H_5OF_5$	3.7×10^{-1}		Zhang et al. (2010)	Q	113, 115
[54949-74-5]	4.0×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.5×10^{-3}		Zhang et al. (2010)	Q	113, 117
1,1,1,2,2,3,4,5,5,5-decafluoropentane	4.4×10^{-8}		Zhang et al. (2010)	Q	113, 114
$C_5H_2F_{10}$	3.2×10^{-5}		Zhang et al. (2010)	Q	113, 115
[138495-42-8]	1.8×10^{-4}		Zhang et al. (2010)	Q	113, 116
	9.0×10^{-7}		Zhang et al. (2010)	Q	113, 117
1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxybutane	9.9×10^{-6}		Zhang et al. (2010)	Q	113, 114
$C_5H_3F_9O$	1.3×10^{-5}		Zhang et al. (2010)	Q	113, 115
[163702-07-6]	8.4×10^{-6}		Zhang et al. (2010)	Q	113, 116
	3.9×10^{-6}		Zhang et al. (2010)	Q	113, 117
1-ethoxy-1,1,2,3,3,3-hexafluoro-2-(trifluoromethyl)propane	7.5×10^{-6}		Zhang et al. (2010)	Q	113, 114
$C_6H_5F_9O$	4.7×10^{-5}		Zhang et al. (2010)	Q	113, 115
[163702-06-5]	8.0×10^{-6}		Zhang et al. (2010)	Q	113, 116
	3.3×10^{-6}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1H,1H,2H,2H-perfluorohexan-1-ol	6.6×10^{-3}	4500	Wu and Chang (2011)	M	
$C_6H_5F_9O$	1.3×10^{-2}		Goss et al. (2006)	M	
(4:2 FTOH)	6.1×10^{-5}	5400	Lei et al. (2004)	M	127
[2043-47-2]	5.6×10^{-1}		Wu and Chang (2011)	V	
	1.8×10^{-3}		Zhang et al. (2010)	Q	113, 114
	1.3×10^{-1}		Zhang et al. (2010)	Q	113, 115
	8.2×10^{-3}		Zhang et al. (2010)	Q	113, 116
	2.4×10^{-4}		Zhang et al. (2010)	Q	113, 117
	4.3×10^{-4}		Arp et al. (2006)	Q	241
	3.1×10^{-5}		Arp et al. (2006)	Q	242
	7.2×10^{-3}	7200	Goss et al. (2006)	Q	
1-ethoxy-1,1,2,2,3,3,4,4,4-nonafluorobutane	7.5×10^{-6}		Zhang et al. (2010)	Q	113, 114
$C_6H_5F_9O$	1.2×10^{-5}		Zhang et al. (2010)	Q	113, 115
[163702-05-4]	7.5×10^{-6}		Zhang et al. (2010)	Q	113, 116
	3.0×10^{-6}		Zhang et al. (2010)	Q	113, 117
1H,1H,2H,2H-perfluorooctan-1-ol	1.7×10^{-4}	2600	Wu and Chang (2011)	M	
$C_8H_5F_{13}O$	1.5×10^{-3}		Goss et al. (2006)	M	
(6:2 FTOH)	8.5×10^{-5}	7000	Lei et al. (2004)	M	127
[647-42-7]	3.9×10^{-1}		Wu and Chang (2011)	V	
	6.5×10^{-5}		Zhang et al. (2010)	Q	113, 114
	9.5×10^{-3}		Zhang et al. (2010)	Q	113, 115
	3.4×10^{-3}		Zhang et al. (2010)	Q	113, 116
	9.9×10^{-6}		Zhang et al. (2010)	Q	113, 117
	2.8×10^{-4}		Arp et al. (2006)	Q	241

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.8×10^{-5}		Arp et al. (2006)	Q	242
	1.8×10^{-3}	8000	Goss et al. (2006)	Q	
methyl perfluoro(8-(fluoroformyl)-5-methyl-4,7-dioxanonanoate)	5.8×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_3F_{15}O_5$	5.1×10^{-4}		Zhang et al. (2010)	Q	113, 115
[69116-73-0]	2.6×10^{-4}		Zhang et al. (2010)	Q	113, 116
	1.3×10^{-1}		Zhang et al. (2010)	Q	113, 117
3,3,4,4,5,5,6,6,6-nonafluorohexyl methacrylate	3.4×10^{-5}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_9F_9O_2$	1.6×10^{-3}		Zhang et al. (2010)	Q	113, 115
[1799-84-4]	6.5×10^{-4}		Zhang et al. (2010)	Q	113, 116
	3.4×10^{-5}		Zhang et al. (2010)	Q	113, 117
1H,1H,2H,2H-perfluorodecan-1-ol	2.0×10^{-4}	3100	Wu and Chang (2011)	M	
$C_{10}H_5F_{17}O$	1.7×10^{-4}	8800	Lei et al. (2004)	M	127
(8:2 FTOH)	2.4×10^{-1}		Wu and Chang (2011)	V	
[678-39-7]	1.1×10^{-4}		Goss et al. (2006)	V	
	2.4×10^{-6}		Zhang et al. (2010)	Q	113, 114
	2.6×10^{-4}		Zhang et al. (2010)	Q	113, 115
	7.3×10^{-4}		Zhang et al. (2010)	Q	113, 116
	4.3×10^{-7}		Zhang et al. (2010)	Q	113, 117
	5.7×10^{-5}		Arp et al. (2006)	Q	241
	1.6×10^{-5}		Arp et al. (2006)	Q	242
	3.8×10^{-4}	8600	Goss et al. (2006)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl acrylate	1.9×10^{-6}		Zhang et al. (2010)	Q	113, 114
$C_{11}H_7F_{13}O_2$	1.9×10^{-4}		Zhang et al. (2010)	Q	113, 115
[17527-29-6]	2.9×10^{-4}		Zhang et al. (2010)	Q	113, 116
	2.4×10^{-6}		Zhang et al. (2010)	Q	113, 117
2-(perfluorohexyl)ethyl methacrylate	1.2×10^{-6}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_9F_{13}O_2$	1.8×10^{-4}		Zhang et al. (2010)	Q	113, 115
[2144-53-8]	1.3×10^{-4}		Zhang et al. (2010)	Q	113, 116
	1.5×10^{-6}		Zhang et al. (2010)	Q	113, 117
1,1,2,2-tetrahydroperfluoro dodecanol	1.3×10^{-4}	2700	Wu and Chang (2011)	M	
$C_{12}H_5F_{21}O$	2.5×10^{-1}		Wu and Chang (2011)	V	
(10:2 FTOH)	8.6×10^{-8}		Zhang et al. (2010)	Q	113, 114
[865-86-1]	2.7×10^{-6}		Zhang et al. (2010)	Q	113, 115
	1.5×10^{-4}		Zhang et al. (2010)	Q	113, 116
	1.6×10^{-8}		Zhang et al. (2010)	Q	113, 117
	4.6×10^{-5}		Arp et al. (2006)	Q	241
	5.2×10^{-5}		Arp et al. (2006)	Q	242
	1.0×10^{-4}	9600	Goss et al. (2006)	Q	
	1.0×10^{-5}		Arp et al. (2006)	E	245

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl acrylate	7.0×10^{-8}		Zhang et al. (2010)	Q	113, 114
$C_{13}H_7F_{17}O_2$	1.1×10^{-5}		Zhang et al. (2010)	Q	113, 115
[27905-45-9]	1.1×10^{-4}		Zhang et al. (2010)	Q	113, 116
	9.9×10^{-8}		Zhang et al. (2010)	Q	113, 117
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl methacrylate	4.4×10^{-8}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_9F_{17}O_2$	1.0×10^{-5}		Zhang et al. (2010)	Q	113, 115
[1996-88-9]	5.4×10^{-5}		Zhang et al. (2010)	Q	113, 116
	6.4×10^{-8}		Zhang et al. (2010)	Q	113, 117
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecan-1-ol	3.1×10^{-9}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_5F_{25}O$	1.1×10^{-8}		Zhang et al. (2010)	Q	113, 115
[39239-77-5]	3.1×10^{-5}		Zhang et al. (2010)	Q	113, 116
	6.9×10^{-10}		Zhang et al. (2010)	Q	113, 117
2-(perfluorodecyl)ethyl acrylate	2.5×10^{-9}		Zhang et al. (2010)	Q	113, 114
$C_{15}H_7F_{21}O_2$	3.1×10^{-7}		Zhang et al. (2010)	Q	113, 115
[17741-60-5]	2.4×10^{-5}		Zhang et al. (2010)	Q	113, 116
	3.7×10^{-9}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,1,2,2-tetrahydroperfluoro-1-hexadecanol	1.1×10^{-10}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_5OF_{29}$	1.4×10^{-11}		Zhang et al. (2010)	Q	113, 115
[60699-51-6]	6.1×10^{-6}		Zhang et al. (2010)	Q	113, 116
	2.9×10^{-11}		Zhang et al. (2010)	Q	113, 117
2-(perfluorodecyl)ethyl methacrylate	1.6×10^{-9}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_9F_{21}O_2$	3.1×10^{-7}		Zhang et al. (2010)	Q	113, 115
[2144-54-9]	1.1×10^{-5}		Zhang et al. (2010)	Q	113, 116
	2.4×10^{-9}		Zhang et al. (2010)	Q	113, 117
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl prop-2-enoate	9.0×10^{-11}		Zhang et al. (2010)	Q	113, 114
$C_{17}H_7F_{25}O_2$	5.0×10^{-9}		Zhang et al. (2010)	Q	113, 115
[34395-24-9]	2.7×10^{-3}		Zhang et al. (2010)	Q	113, 116
	1.6×10^{-10}		Zhang et al. (2010)	Q	113, 117
2-perfluorododecylethyl methacrylate	5.8×10^{-11}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_9F_{25}O_2$	5.0×10^{-9}		Zhang et al. (2010)	Q	113, 115
[6014-75-1]	2.3×10^{-6}		Zhang et al. (2010)	Q	113, 116
	9.9×10^{-11}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,1,2,2-tetrahydroperfluoro-1-octadecanol	4.1×10^{-12}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_5OF_{33}$	6.7×10^{-15}		Zhang et al. (2010)	Q	113, 115
[65104-67-8]	1.2×10^{-6}		Zhang et al. (2010)	Q	113, 116
	1.1×10^{-12}		Zhang et al. (2010)	Q	113, 117
1,1,2,2-tetrahydroperfluorohexadecyl acrylate	3.3×10^{-12}		Zhang et al. (2010)	Q	113, 114
$C_{19}H_7F29O_2$	4.1×10^{-11}		Zhang et al. (2010)	Q	113, 115
[34362-49-7]	6.5×10^{-4}		Zhang et al. (2010)	Q	113, 116
	6.9×10^{-12}		Zhang et al. (2010)	Q	113, 117
1,1,2,2-tetrahydroperfluoroeicosyl alcohol	1.5×10^{-13}		Zhang et al. (2010)	Q	113, 114
$C_{20}H_5OF_{37}$	2.2×10^{-18}		Zhang et al. (2010)	Q	113, 115
[65104-65-6]	2.4×10^{-7}		Zhang et al. (2010)	Q	113, 116
	4.6×10^{-14}		Zhang et al. (2010)	Q	113, 117
2-hydroxyfluorobenzene	3.1		Abraham et al. (1994)	R	
C_6H_5FO	2.3		Hilal et al. (2008)	Q	
(*o*-fluorophenol)	2.1×10^{2}		Nirmalakhandan et al. (1997)	Q	
[367-12-4]					
4-hydroxyfluorobenzene	1.4×10^{1}		Abraham et al. (1994)	R	
C_6H_5FO	7.9		Hilal et al. (2008)	Q	
(*p*-fluorophenol)	2.1×10^{2}		Nirmalakhandan et al. (1997)	Q	
[371-41-5]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-fluorophenol C_6H_5FO [372-20-3]	9.0		Hilal et al. (2008)	Q	
2,6-difluorophenol $C_6H_4F_2O$ [28177-48-2]	7.0×10^{-1}		Hilal et al. (2008)	Q	
4,4'-(hexafluoroisopropylidene)diphenol	1.7×10^{4}		Zhang et al. (2010)	Q	113, 114
$C_{15}H_{10}F_6O_2$	1.4×10^{6}		Zhang et al. (2010)	Q	113, 115
[1478-61-1]	2.1×10^{5}		Zhang et al. (2010)	Q	113, 116
	5.3×10^{3}		Zhang et al. (2010)	Q	113, 117
perfluorotributylamine	1.8×10^{-10}		Zhang et al. (2010)	Q	113, 114
$C_{12}F_{27}N$	3.4×10^{-10}		Zhang et al. (2010)	Q	113, 115
[311-89-7]	1.8×10^{-9}		Zhang et al. (2010)	Q	113, 116
	2.7×10^{-10}		Zhang et al. (2010)	Q	113, 117
tris(undecafluoropentyl) amine	1.2×10^{-12}		Zhang et al. (2010)	Q	113, 114
$C_{15}F_{33}N$	1.0×10^{-12}		Zhang et al. (2010)	Q	113, 115
[338-84-1]	3.4×10^{-10}		Zhang et al. (2010)	Q	113, 116
	2.1×10^{-12}		Zhang et al. (2010)	Q	113, 117
5-fluoro-2-nitrophenol	5.0×10^{-1}		Tremp et al. (1993)	M	9
$C_6H_4FNO_3$	5.8		Schwarzenbach et al. (1988)	V	9
[446-36-6]		4100	Kühne et al. (2005)	Q	
		6200	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-nitro-3-(trifluoromethyl)phenol	5.2×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_7H_4F_3NO_3$	6.7×10^{3}		Zhang et al. (2010)	Q	113, 115
[88-30-2]	3.9×10^{4}		Zhang et al. (2010)	Q	113, 116
	1.2×10^{3}		Zhang et al. (2010)	Q	113, 117
1-nitro-3-(trifluoromethyl)benzene	5.3×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_7H_4F_3NO_2$	2.0×10^{-1}		Zhang et al. (2010)	Q	113, 115
[98-46-4]	5.7×10^{-2}		Zhang et al. (2010)	Q	113, 116
	8.2×10^{-3}		Zhang et al. (2010)	Q	113, 117
1-isocyanato-3-(trifluoromethyl)-benzene	4.8×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_8H_4F_3NO$	2.5		Zhang et al. (2010)	Q	113, 115
[329-01-1]	1.3×10^{-3}		Zhang et al. (2010)	Q	113, 116
	6.4×10^{-2}		Zhang et al. (2010)	Q	113, 117
N-(4-amino-2-hydroxyphenyl)-2,2,3,3,4,4,4-heptafluorobutanamide	2.0×10^{8}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_7F_7N_2O_2$	2.3×10^{7}		Zhang et al. (2010)	Q	113, 115
[847-51-8]	1.5×10^{5}		Zhang et al. (2010)	Q	113, 116
	5.7×10^{6}		Zhang et al. (2010)	Q	113, 117
fluometuron $C_{10}H_{11}F_3N_2O$ [2164-17-2]	5.8×10^{3}		Mackay et al. (2006d)	V	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
dinitramine	6.5		Mackay et al. (2006d)	V	
$C_{11}H_{13}F_3N_4O_4$	6.2		Suntio et al. (1988)	V	9
[29091-05-2]					
benfluralin			Mackay et al. (2006d)	V	226
$C_{13}H_{16}F_3N_3O_4$	7.5×10^{-1}		Suntio et al. (1988)	V	9
(benefin)					
[1861-40-1]					
trifluralin	9.5×10^{-2}		Rice et al. (1997b)	M	9
$C_{13}H_{16}F_3N_3O_4$	9.1×10^{-1}		Watanabe (1993)	M	
[1582-09-8]	1.9×10^{-1}		Fendinger et al. (1989)	M	129
	1.7×10^{-1}		Fendinger et al. (1989)	M	246
			Mackay et al. (2006d)	V	226
	2.5×10^{-1}		Suntio et al. (1988)	V	9
	3.8		Sanders and Seiber (1983)	V	30
	1.7		Hilal et al. (2008)	Q	
		5000	Kühne et al. (2005)	Q	
		2100	Kühne et al. (2005)	?	
fluorodifen			Mackay et al. (2006d)	V	226
$C_{13}H_7F_3N_2O_5$					
[15457-05-3]					
profluralin	3.2×10^{-2}		Mackay et al. (2006d)	V	
$C_{14}H_{16}F_3N_3O_4$	2.6×10^{-2}		Suntio et al. (1988)	V	9
[26399-36-0]					
fluridone			Mackay et al. (2006d)	V	226
$C_{19}H_{14}F_3NO$					
[59756-60-4]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
flucythrinate, isomer 1	9.3×10^{2}		Mackay et al. (2006d)	V	
$C_{26}H_{23}F_2NO_4$					
[70124-77-5]					
PFBHA-methanal	1.6×10^{-2}	7200	Destaillats and Charles (2002)	M	
$H_2C{=}NOCH_2C_6F_5$					
PFBHA-ethanal	1.9×10^{-2}	5400	Destaillats and Charles (2002)	M	
$CH_3CH{=}NOCH_2C_6F_5$					
PFBHA-propanone	1.1×10^{-2}	3800	Destaillats and Charles (2002)	M	
$(CH_3)_2C{=}NOCH_2C_6F_5$					
PFBHA-butanone	4.7×10^{-3}	6000	Destaillats and Charles (2002)	M	
$(C_2H_5)(CH_3)C{=}NOCH_2C_6F_5$					
PFBHA-2-pentanone	3.7×10^{-3}	2200	Destaillats and Charles (2002)	M	
$(C_3H_7)(CH_3)C{=}NOCH_2C_6F_5$					
PFBHA-hexanal	5.8×10^{-3}		Destaillats and Charles (2002)	M	
$C_5H_{11}CH{=}NOCH_2C_6F_5$					
PFBHA-octanal	7.9×10^{-3}		Destaillats and Charles (2002)	M	
$C_7H_{15}CH{=}NOCH_2C_6F_5$					
PFBHA-decanal	2.4×10^{-2}		Destaillats and Charles (2002)	M	
$C_9H_{19}CH{=}NOCH_2C_6F_5$					
PFBHA-propenal	9.5×10^{-3}	5400	Destaillats and Charles (2002)	M	
$CH_2CHCH{=}NOCH_2C_6F_5$					
PFBHA-crotonaldehyde	6.8×10^{-3}	3400	Destaillats and Charles (2002)	M	
$CH_3CHCHCH{=}NOCH_2C_6F_5$					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
PFBHA-benzaldehyde $C_6H_5CH{=}NOCH_2C_6F_5$	5.0×10^{-3}	2000	Destaillats and Charles (2002)	M	
PFBHA-4-methyl-benzaldehyde $C_8H_8{=}NOCH_2C_6F_5$	6.6×10^{-3}		Destaillats and Charles (2002)	M	
PFBHA-9-fluorenone $C_{13}H_8{=}NOCH_2C_6F_5$	1.1×10^{-2}		Destaillats and Charles (2002)	M	
PFBHA-ethanedial $(HC{=}NOCH_2C_6F_5)_2$	1.6×10^{-2}		Destaillats and Charles (2002)	M	
PFBHA-1-hydroxypropanone $(CH_2OH)(CH_3)C{=}NOCH_2C_6F_5$	2.7×10^{-2}		Destaillats and Charles (2002)	M	
PFBHA-3-hydroxy-3-methyl-2-butanone $(HOC_3H_6)(CH_3)C{=}NOCH_2C_6F_5$	1.2×10^{-2}		Destaillats and Charles (2002)	M	

Organic species with chlorine (Cl)

Chlorocarbons (C, H, Cl)

chloromethane	1.3×10^{-3}	3300	Sander et al. (2011)	L	247
CH_3Cl	1.1×10^{-3}	3300	Warneck (2007)	L	
(methyl chloride)	1.3×10^{-3}	3300	Sander et al. (2006)	L	248
[74-87-3]	1.1×10^{-3}	3300	Staudinger and Roberts (2001)	L	
	1.1×10^{-3}		Mackay and Shiu (1981)	L	
	1.0×10^{-3}	2800	Wilhelm et al. (1977)	L	
	7.9×10^{-4}	2400	Hiatt (2013)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	9.1×10^{-4}	2000	Chen et al. (2012)	M	
	8.8×10^{-4}	3200	Moore (2000)	M	130
	9.3×10^{-4}	3300	Moore et al. (1995)	M	130
	8.8×10^{-4}	2800	Reichl (1995)	M	
	1.1×10^{-3}	3000	Elliott and Rowland (1993)	M	
	1.2×10^{-3}	4200	Gossett (1987)	M	
	1.4×10^{-3}		Pearson and McConnell (1975)	M	249, 9
	1.1×10^{-3}	2600	Swain and Thornton (1962)	M	
	9.9×10^{-4}	2500	Boggs and Buck Jr. (1958)	M	
	1.0×10^{-3}	2900	Glew and Moelwyn-Hughes (1953)	M	
	1.0×10^{-3}		Mackay et al. (2006b)	V	
	4.2×10^{-4}		Lide and Frederikse (1995)	V	
	1.0×10^{-3}		Mackay et al. (1993)	V	
	1.1×10^{-3}		Dilling (1977)	V	250
	1.2×10^{-3}		Dilling (1977)	V	9
	9.9×10^{-4}		Hine and Mookerjee (1975)	V	
	2.9×10^{-4}	-630	Goldstein (1982)	X	122
	2.5×10^{-5}		Ryan et al. (1988)	C	
	1.0×10^{-3}		Hilal et al. (2008)	Q	
		2600	Kühne et al. (2005)	Q	
	3.9×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	8.6×10^{-4}		Irmann (1965)	Q	
	1.1×10^{-3}		Mackay et al. (2006b)	?	
		2700	Kühne et al. (2005)	?	
	1.2×10^{-3}		Yaws (1999)	?	
	1.2×10^{-3}		Yaws and Yang (1992)	?	98
	1.0×10^{-3}		Abraham et al. (1990)	?	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
dichloromethane	3.6×10^{-3}	4100	Sander et al. (2011)	L	
CH_2Cl_2	3.9×10^{-3}	3700	Warneck (2007)	L	
(methylene chloride)	3.6×10^{-3}	4100	Sander et al. (2006)	L	
[75-09-2]	3.6×10^{-3}	4100	Staudinger and Roberts (2001)	L	
	3.6×10^{-3}	4100	Staudinger and Roberts (1996)	L	
	3.8×10^{-3}		Mackay and Shiu (1981)	L	
	4.0×10^{-3}	3900	Hiatt (2013)	M	
	3.5×10^{-3}	2300	Chen et al. (2012)	M	
	3.2×10^{-3}		Helburn et al. (2008)	M	
	3.3×10^{-3}	4200	Moore (2000)	M	130
	3.9×10^{-3}		David et al. (2000)	M	129
	4.1×10^{-3}		Ryu and Park (1999)	M	
	3.4×10^{-3}		Chiang et al. (1998)	M	251, 9
	5.1×10^{-3}		Hovorka and Dohnal (1997)	M	9
	3.7×10^{-3}	3200	Kondoh and Nakajima (1997)	M	
	4.3×10^{-3}	3500	Park et al. (1997)	M	
	4.1×10^{-3}		Hoff et al. (1993)	M	
	3.8×10^{-3}		Li et al. (1993)	M	
	3.9×10^{-3}	3800	Wright et al. (1992)	M	
	3.9×10^{-3}	3500	Tse et al. (1992)	M	
	3.4×10^{-3}		Guitart et al. (1989)	M	20
	3.4×10^{-3}	4300	Ashworth et al. (1988)	M	109
	4.6×10^{-3}	3800	Gossett (1987)	M	
	5.7×10^{-3}		Hellmann (1987)	M	30
	5.2×10^{-3}		Yurteri et al. (1987)	M	9
	3.8×10^{-3}	4500	Gossett et al. (1985)	M	
	3.4×10^{-3}	4200	Lincoff and Gossett (1984)	M	
	3.0×10^{-3}	3600	Leighton and Calo (1981)	M	
	3.1×10^{-3}		Warner et al. (1980)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.8×10^{-3}		Sato and Nakajima (1979b)	M	20
	3.3×10^{-3}		Pearson and McConnell (1975)	M	249, 9
	4.2×10^{-3}	4400	Hartkopf and Karger (1973)	M	
	4.1×10^{-3}	4000	Rex (1906)	M	
	2.7×10^{-3}		Mackay et al. (2006b)	V	
	3.5×10^{-3}	4100	Fogg and Sangster (2003)	V	
	4.0×10^{-3}		Park et al. (1997)	V	
	5.9×10^{-3}		Mackay et al. (1993)	V	
	2.9×10^{-3}		Hwang et al. (1992)	V	
	3.2×10^{-3}		Warner et al. (1980)	V	
	4.0×10^{-3}		Dilling (1977)	V	250
	1.2×10^{-2}		Dilling (1977)	V	252
	4.3×10^{-3}		Hine and Mookerjee (1975)	V	
	4.0×10^{-3}		Dilling et al. (1975)	V	
	3.1×10^{-3}	3600	Goldstein (1982)	X	122
	4.2×10^{-3}		Harrison et al. (1993)	C	
	3.4×10^{-3}		Harrison et al. (1993)	C	
	4.7×10^{-3}		Ryan et al. (1988)	C	
	3.7×10^{-3}		Dilling (1977)	C	
	3.7×10^{-3}		Dilling et al. (1975)	C	
	9.0×10^{-3}		Hilal et al. (2008)	Q	
		3000	Kühne et al. (2005)	Q	
	2.2×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	3.3×10^{-3}		Mackay et al. (2006b)	?	
		3900	Kühne et al. (2005)	?	
	4.0×10^{-3}		Yaws (1999)	?	
	3.3×10^{-3}		Mackay et al. (1993)	?	
	4.0×10^{-3}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	3.7×10^{-3}		Abraham et al. (1990)	?	
dichloromethane-d2 CD_2Cl_2 (methylene chloride-d2) [1665-00-5]	3.8×10^{-3}	4600	Hiatt (2013)	M	
trichloromethane $CHCl_3$ (chloroform) [67-66-3]	2.5×10^{-3}	4500	Sander et al. (2011)	L	
	2.6×10^{-3}	4300	Warneck (2007)	L	
	2.5×10^{-3}	4500	Sander et al. (2006)	L	
	2.5×10^{-3}	4500	Staudinger and Roberts (2001)	L	
	2.5×10^{-3}	4500	Staudinger and Roberts (1996)	L	
	2.6×10^{-3}		Mackay and Shiu (1981)	L	
	1.6×10^{-3}		Steward et al. (1973)	L	20
	2.8×10^{-3}	4500	Hiatt (2013)	M	
	2.5×10^{-3}	3900	Chen et al. (2012)	M	
	1.4×10^{-3}		Zhang et al. (2002)	M	20
	2.6×10^{-3}	4100	Görgényi et al. (2002)	M	
	2.0×10^{-3}	4600	Moore (2000)	M	130
	2.4×10^{-3}		David et al. (2000)	M	129
	2.7×10^{-3}		Ryu and Park (1999)	M	
	3.0×10^{-3}		Dohnal and Hovorka (1999)	M	9
	3.0×10^{-3}		Chiang et al. (1998)	M	9
	3.2×10^{-3}		Hovorka and Dohnal (1997)	M	9
	2.7×10^{-3}	3400	Kondoh and Nakajima (1997)	M	
	2.6×10^{-3}	3400	Park et al. (1997)	M	
	2.2×10^{-3}	4700	Turner et al. (1996)	M	
	2.2×10^{-3}	4100	Moore et al. (1995)	M	130
	2.6×10^{-3}	4400	Dewulf et al. (1995)	M	
	2.5×10^{-3}		Hoff et al. (1993)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.4×10^{-3}		Li et al. (1993)	M	
	2.6×10^{-3}	3900	Wright et al. (1992)	M	
	4.8×10^{-3}	7300	Tancrède and Yanagisawa (1990)	M	
	2.4×10^{-3}	2000	Lamarche and Droste (1989)	M	138
	2.1×10^{-3}		Guitart et al. (1989)	M	20
	2.3×10^{-3}	5000	Ashworth et al. (1988)	M	109
	2.7×10^{-3}	4600	Gossett (1987)	M	
	2.6×10^{-3}	4300	Munz and Roberts (1987)	M	
	2.9×10^{-3}		Hellmann (1987)	M	30
	3.3×10^{-3}		Munz and Roberts (1986)	M	
	2.5×10^{-3}	4300	Gossett et al. (1985)	M	
	2.5×10^{-3}	5200	Nicholson et al. (1984)	M	
	2.3×10^{-3}	4200	Lincoff and Gossett (1984)	M	
	2.0×10^{-3}	3900	Hunter-Smith et al. (1983)	M	130, 253
	2.5×10^{-3}	4000	Leighton and Calo (1981)	M	
	1.5×10^{-3}	5600	Ervin et al. (1980)	M	
	2.9×10^{-3}		Warner et al. (1980)	M	
	2.4×10^{-3}	7200	Balls (1980)	M	
	1.4×10^{-3}		Sato and Nakajima (1979b)	M	20
	3.5×10^{-3}		Pearson and McConnell (1975)	M	249, 9
	2.8×10^{-3}	5100	Hartkopf and Karger (1973)	M	
	2.6×10^{-3}	4600	Rex (1906)	M	
	2.6×10^{-3}		Mackay et al. (2006b)	V	
	2.6×10^{-3}	4400	Fogg and Sangster (2003)	V	
	2.5×10^{-3}		Park et al. (1997)	V	
	2.6×10^{-3}		Mackay et al. (1993)	V	
	2.6×10^{-3}		Hwang et al. (1992)	V	
	5.5×10^{-3}		McLachlan et al. (1990)	V	148

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	3.1×10^{-3}		Warner et al. (1980)	V	
	2.5×10^{-3}		Dilling (1977)	V	250
	9.0×10^{-3}		Dilling (1977)	V	252
	2.3×10^{-3}		Hine and Mookerjee (1975)	V	
	2.5×10^{-3}		Dilling et al. (1975)	V	
	2.2×10^{-3}	4700	Winkler (1906)	V	
	2.5×10^{-3}	4100	Barr and Newsham (1987)	X	122
	3.0×10^{-3}	4400	Goldstein (1982)	X	122
	2.4×10^{-3}		Harrison et al. (1993)	C	
	3.4×10^{-3}		Harrison et al. (1993)	C	
	3.4×10^{-3}		Ryan et al. (1988)	C	
	2.7×10^{-3}		Nicholson et al. (1984)	C	
	2.1×10^{-3}		Nicholson et al. (1984)	C	9
	3.1×10^{-3}		Dilling (1977)	C	
	3.1×10^{-3}		Dilling et al. (1975)	C	
	3.2×10^{-3}		Hilal et al. (2008)	Q	
		3300	Kühne et al. (2005)	Q	
	3.9×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	2.3×10^{-3}		Arbuckle (1983)	Q	
	2.3×10^{-3}		Mackay et al. (2006b)	?	
		4300	Kühne et al. (2005)	?	
	2.4×10^{-3}		Yaws (1999)	?	
	2.3×10^{-3}		Mackay et al. (1993)	?	
	2.4×10^{-3}		Yaws and Yang (1992)	?	98
	2.5×10^{-3}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
tetrachloromethane	3.4×10^{-4}	4200	Sander et al. (2011)	L	
CCl_4	3.6×10^{-4}	4300	Warneck (2007)	L	
(carbontetrachloride)	3.4×10^{-4}	4200	Sander et al. (2006)	L	
[56-23-5]	3.4×10^{-4}	4200	Staudinger and Roberts (2001)	L	
	3.4×10^{-4}	4200	Staudinger and Roberts (1996)	L	
	5.0×10^{-4}		Mackay and Shiu (1981)	L	
	5.0×10^{-4}	4500	Hiatt (2013)	M	
	3.0×10^{-4}	4400	Chen et al. (2012)	M	
	3.8×10^{-4}		Ryu and Park (1999)	M	
	4.0×10^{-4}		Chiang et al. (1998)	M	9
	4.4×10^{-4}	1900	Kondoh and Nakajima (1997)	M	
	3.9×10^{-4}	2600	Park et al. (1997)	M	
	3.8×10^{-4}	4400	Dewulf et al. (1995)	M	
	3.6×10^{-4}		Hoff et al. (1993)	M	
	3.3×10^{-4}	3600	Hansen et al. (1993)	M	111
	2.3×10^{-4}		Li and Carr (1993)	M	
	2.9×10^{-4}	4200	Wright et al. (1992)	M	
	3.8×10^{-4}	3600	Tse et al. (1992)	M	
	3.4×10^{-4}	4100	Tancrède and Yanagisawa (1990)	M	
	2.8×10^{-4}	5600	Bissonette et al. (1990)	M	
	3.3×10^{-4}	4000	Ashworth et al. (1988)	M	109
	3.3×10^{-4}	4400	Gossett (1987)	M	
	3.3×10^{-4}	4300	Munz and Roberts (1987)	M	
	3.3×10^{-4}		Hellmann (1987)	M	30
	4.3×10^{-4}		Yurteri et al. (1987)	M	9
	4.2×10^{-4}		Munz and Roberts (1986)	M	
	4.1×10^{-4}	3200	Hunter-Smith et al. (1983)	M	253
	3.6×10^{-4}	4400	Leighton and Calo (1981)	M	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	3.3×10^{-4}		Warner et al. (1980)	M	
	3.2×10^{-4}	3300	Balls (1980)	M	
	9.7×10^{-5}		Sato and Nakajima (1979b)	M	20
	4.5×10^{-4}		Pearson and McConnell (1975)	M	249, 9
	3.7×10^{-4}	5200	Hartkopf and Karger (1973)	M	
	3.5×10^{-4}	4400	Rex (1906)	M	
	3.4×10^{-4}		Mackay et al. (2006b)	V	
	3.6×10^{-4}	4200	Fogg and Sangster (2003)	V	
	4.3×10^{-4}		Park et al. (1997)	V	
	3.4×10^{-4}		Mackay et al. (1993)	V	
	3.4×10^{-4}		Hwang et al. (1992)	V	
	6.7×10^{-5}		Ballschmiter and Wittlinger (1991)	V	
	3.5×10^{-4}		Warner et al. (1980)	V	
	3.4×10^{-4}		Dilling (1977)	V	
	3.4×10^{-4}		Hine and Mookerjee (1975)	V	
	3.3×10^{-4}	1100	Goldstein (1982)	X	122
	3.8×10^{-4}		Harrison et al. (1993)	C	
	2.1×10^{-4}		Harrison et al. (1993)	C	
	4.5×10^{-4}		Ryan et al. (1988)	C	
	4.6×10^{-4}		Dilling (1977)	C	
	3.7×10^{-4}		Liss and Slater (1974)	C	
	5.4×10^{-4}		Hilal et al. (2008)	Q	
		3700	Kühne et al. (2005)	Q	
	3.5×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	4.1×10^{-4}		Arbuckle (1983)	Q	
	3.3×10^{-4}		Mackay et al. (2006b)	?	
		4300	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	3.4×10^{-4}		Yaws (1999)	?	
	3.3×10^{-4}		Mackay et al. (1993)	?	
	3.3×10^{-4}		Yaws and Yang (1992)	?	98
	3.5×10^{-4}		Abraham et al. (1990)	?	
	4.3×10^{-4}		Mackay and Yeun (1983)	?	
	1.1×10^{-3}		Chiou et al. (1980)	?	28
chloroethane	8.3×10^{-4}	2800	Warneck (2007)	L	
C_2H_5Cl	8.4×10^{-4}	2900	Staudinger and Roberts (2001)	L	
[75-00-3]	8.3×10^{-4}	2900	Staudinger and Roberts (1996)	L	
	5.0×10^{-3}		Mackay and Shiu (1981)	L	
	4.7×10^{-4}		Steward et al. (1973)	L	20
	8.5×10^{-4}	3200	Hiatt (2013)	M	
	7.6×10^{-4}	3100	Chen et al. (2012)	M	
	8.9×10^{-4}	3200	Maaßen (1995)	M	
	9.4×10^{-4}	3300	Reichl (1995)	M	
	7.9×10^{-4}	2600	Ashworth et al. (1988)	M	109
	8.8×10^{-4}	3100	Gossett (1987)	M	
	5.5×10^{-3}		Mackay et al. (2006b)	V	
	5.5×10^{-3}		Mackay et al. (1993)	V	
	5.6×10^{-4}		Hwang et al. (1992)	V	
	8.8×10^{-4}		Dilling (1977)	V	
	1.2×10^{-3}		Hine and Mookerjee (1975)	V	
	6.8×10^{-4}	750	Goldstein (1982)	X	122
	6.6×10^{-4}		Ryan et al. (1988)	C	
	6.3×10^{-4}		Irmann (1965)	C	
	1.2×10^{-3}		Hilal et al. (2008)	Q	
		3000	Kühne et al. (2005)	Q	
	7.9×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	7.6×10^{-4}		Irmann (1965)	Q	
	9.8×10^{-4}		Mackay et al. (2006b)	?	
		2900	Kühne et al. (2005)	?	
	9.8×10^{-4}		Mackay et al. (1993)	?	
	1.4×10^{-3}		Yaws and Yang (1992)	?	98, 9
	1.2×10^{-3}		Abraham et al. (1990)	?	
1,1-dichloroethane	1.7×10^{-3}	4100	Warneck (2007)	L	
$CHCl_2CH_3$	1.8×10^{-3}	4100	Fogg and Sangster (2003)	L	
[75-34-3]	1.6×10^{-3}	3700	Staudinger and Roberts (2001)	L	
	1.5×10^{-3}	3600	Staudinger and Roberts (1996)	L	
	1.7×10^{-3}		Mackay and Shiu (1981)	L	
	2.0×10^{-3}	3900	Hiatt (2013)	M	
	1.9×10^{-3}	3300	Chen et al. (2012)	M	
	2.0×10^{-3}		Bobadilla et al. (2003)	M	
	1.8×10^{-3}	3800	Görgényi et al. (2002)	M	
	2.2×10^{-3}		Hovorka and Dohnal (1997)	M	9
	1.8×10^{-3}	2600	Kondoh and Nakajima (1997)	M	
	2.0×10^{-3}	4300	Dewulf et al. (1995)	M	
	1.6×10^{-3}	3600	Wright et al. (1992)	M	
	1.7×10^{-3}	3700	Tse et al. (1992)	M	
	1.7×10^{-3}	2100	Lamarche and Droste (1989)	M	138
	1.5×10^{-3}	3100	Ashworth et al. (1988)	M	109
	1.8×10^{-3}	4100	Gossett (1987)	M	
	1.3×10^{-3}	4900	Ervin et al. (1980)	M	
	1.8×10^{-3}		Warner et al. (1980)	M	
	1.0×10^{-3}		Sato and Nakajima (1979b)	M	20
	1.8×10^{-3}	4400	Rex (1906)	M	
	1.7×10^{-3}		Mackay et al. (2006b)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.6×10^{-3}		Mackay et al. (1993)	V	
	1.8×10^{-3}		Warner et al. (1980)	V	
	1.7×10^{-3}		Dilling (1977)	V	
	1.7×10^{-3}		Hine and Mookerjee (1975)	V	
	1.7×10^{-3}	3800	Barr and Newsham (1987)	X	122
	1.8×10^{-3}	1700	Goldstein (1982)	X	122
	2.4×10^{-3}		Ryan et al. (1988)	C	
	3.2×10^{-3}		Hilal et al. (2008)	Q	
		3300	Kühne et al. (2005)	Q	
	1.4×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	1.8×10^{-3}		Mackay et al. (2006b)	?	
		3900	Kühne et al. (2005)	?	
	1.6×10^{-3}		Mackay et al. (1993)	?	
	1.7×10^{-3}		Yaws and Yang (1992)	?	98
	1.7×10^{-3}		Abraham et al. (1990)	?	
1,2-dichloroethane	8.9×10^{-3}	4300	Warneck (2007)	L	
CH_2ClCH_2Cl	9.1×10^{-3}	4300	Fogg and Sangster (2003)	L	
[107-06-2]	7.8×10^{-3}	4200	Staudinger and Roberts (2001)	L	
	7.1×10^{-3}	4200	Staudinger and Roberts (1996)	L	
	9.1×10^{-3}		Mackay and Shiu (1981)	L	
	8.2×10^{-3}	4400	Hiatt (2013)	M	
	9.1×10^{-3}	6100	Chen et al. (2012)	M	
	5.4×10^{-3}		Ayuttaya et al. (2001)	M	134
	5.7×10^{-4}		Ayuttaya et al. (2001)	M	135
	4.2×10^{-3}		Ayuttaya et al. (2001)	M	136
	8.1×10^{-3}		Ayuttaya et al. (2001)	M	137
	1.1×10^{-2}		Hovorka and Dohnal (1997)	M	9
	6.2×10^{-3}	3700	Kondoh and Nakajima (1997)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	9.3×10^{-3}	4600	Dewulf et al. (1995)	M	
	8.3×10^{-3}		Hoff et al. (1993)	M	
	8.2×10^{-3}		Li et al. (1993)	M	
	8.5×10^{-3}	3900	Wright et al. (1992)	M	
	8.0×10^{-3}	3600	Tse et al. (1992)	M	
	6.4×10^{-3}	4500	Bissonette et al. (1990)	M	
	5.8×10^{-3}	3000	Lamarche and Droste (1989)	M	138
	7.6×10^{-3}		Guitart et al. (1989)	M	20
	6.4×10^{-3}	1500	Ashworth et al. (1988)	M	109
	8.4×10^{-3}	3500	Leighton and Calo (1981)	M	
	9.0×10^{-3}		Warner et al. (1980)	M	
	4.4×10^{-3}		Sato and Nakajima (1979b)	M	20
	1.1×10^{-2}		Pearson and McConnell (1975)	M	249, 9
	7.9×10^{-3}	4400	Hartkopf and Karger (1973)	M	
	7.2×10^{-3}		Saylor et al. (1938)	M	24
	8.6×10^{-3}	4400	Rex (1906)	M	
	8.2×10^{-3}		Mackay et al. (2006b)	V	
	8.3×10^{-3}		Mackay et al. (1993)	V	
	7.3×10^{-3}		Warner et al. (1980)	V	
	8.1×10^{-3}		Dilling (1977)	V	
	7.5×10^{-3}		Hine and Mookerjee (1975)	V	
	8.5×10^{-3}	3700	Barr and Newsham (1987)	X	122
	9.0×10^{-3}	2400	Goldstein (1982)	X	122
	8.6×10^{-3}		Harrison et al. (1993)	C	
	9.0×10^{-3}		Harrison et al. (1993)	C	
	1.1×10^{-2}		Ryan et al. (1988)	C	
	1.0×10^{-2}		Dilling (1977)	C	
	1.0×10^{-2}		Hilal et al. (2008)	Q	
		3300	Kühne et al. (2005)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.8×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	7.0×10^{-3}		Mackay et al. (2006b)	?	
		3600	Kühne et al. (2005)	?	
	7.0×10^{-3}		Mackay et al. (1993)	?	
	8.3×10^{-3}		Yaws and Yang (1992)	?	98
	8.2×10^{-3}		Abraham et al. (1990)	?	
	1.2×10^{-2}		Chiou et al. (1980)	?	28
1,2-dichloroethane-d4 CD_2ClCD_2Cl [17060-07-0]	8.7×10^{-3}	4300	Hiatt (2013)	M	
1,1,1-trichloroethane	6.0×10^{-4}	3700	Warneck (2007)	L	
CH_3CCl_3	6.2×10^{-4}	3900	Fogg and Sangster (2003)	L	
(methylchloroform; MCF)	5.9×10^{-4}	4000	Staudinger and Roberts (2001)	L	
[71-55-6]	5.8×10^{-4}	3900	Staudinger and Roberts (1996)	L	
	3.6×10^{-4}		Mackay and Shiu (1981)	L	
	6.9×10^{-4}	4000	Hiatt (2013)	M	
	5.4×10^{-4}	4100	Chen et al. (2012)	M	
	6.2×10^{-4}	3500	Vane and Giroux (2000)	M	
	7.1×10^{-4}		Chiang et al. (1998)	M	9
	7.9×10^{-4}		Hovorka and Dohnal (1997)	M	9
	6.7×10^{-4}	1900	Kondoh and Nakajima (1997)	M	
	4.8×10^{-4}		Turner et al. (1996)	M	
	6.7×10^{-4}	4100	Dewulf et al. (1995)	M	
	5.6×10^{-4}	3200	Robbins et al. (1993)	M	
	5.3×10^{-4}		Hoff et al. (1993)	M	
	5.9×10^{-4}	3100	Hansen et al. (1993)	M	111

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	5.7×10^{-4}		Li et al. (1993)	M	
	6.0×10^{-4}	3500	Wright et al. (1992)	M	
	6.3×10^{-4}	3700	Tse et al. (1992)	M	
	7.9×10^{-4}	1300	Kolb et al. (1992)	M	108
	5.1×10^{-4}	5200	Bissonette et al. (1990)	M	
	3.2×10^{-4}		Guitart et al. (1989)	M	20
	5.7×10^{-4}	3400	Ashworth et al. (1988)	M	109
	5.9×10^{-4}	4100	Gossett (1987)	M	
	5.8×10^{-4}	4100	Munz and Roberts (1987)	M	
	6.3×10^{-4}		Yurteri et al. (1987)	M	9
	5.7×10^{-4}	4200	Gossett et al. (1985)	M	
	5.9×10^{-4}	4300	Lincoff and Gossett (1984)	M	
	7.6×10^{-4}	3200	Hunter-Smith et al. (1983)	M	253
	4.9×10^{-4}	4400	Leighton and Calo (1981)	M	
	2.7×10^{-4}	7000	Ervin et al. (1980)	M	
	2.0×10^{-3}		Warner et al. (1980)	M	
	3.6×10^{-4}		Sato and Nakajima (1979b)	M	20
	2.9×10^{-4}		Pearson and McConnell (1975)	M	249, 9
	5.9×10^{-4}		Mackay et al. (2006b)	V	
	6.8×10^{-4}		Mackay et al. (1993)	V	
	7.0×10^{-4}	4700	McLinden (1989)	V	
	2.4×10^{-3}		Warner et al. (1980)	V	
	3.4×10^{-4}		Dilling (1977)	V	250
	4.0×10^{-4}		Dilling (1977)	V	9
	1.1×10^{-3}		Dilling (1977)	V	252
	6.1×10^{-4}		Hine and Mookerjee (1975)	V	
	5.9×10^{-4}		Dilling et al. (1975)	V	
	5.8×10^{-4}	4000	Barr and Newsham (1987)	X	122
	2.2×10^{-3}	1700	Goldstein (1982)	X	122

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	3.1×10^{-4}		Ryan et al. (1988)	C	
	9.0×10^{-4}		Hilal et al. (2008)	Q	
		3700	Kühne et al. (2005)	Q	
	2.3×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	1.6×10^{-3}		Arbuckle (1983)	Q	
	5.7×10^{-4}		Mackay et al. (2006b)	?	
		3700	Kühne et al. (2005)	?	
	5.7×10^{-4}		Mackay et al. (1993)	?	
	5.6×10^{-4}		Abraham et al. (1990)	?	
	1.6×10^{-3}		Chiou et al. (1980)	?	28
1,1,2-trichloroethane $CHCl_2CH_2Cl$ [79-00-5]	1.1×10^{-2}	4100	Warneck (2007)	L	
	1.2×10^{-2}	4200	Fogg and Sangster (2003)	L	
	1.1×10^{-2}	4900	Staudinger and Roberts (2001)	L	
	1.1×10^{-2}	4900	Staudinger and Roberts (1996)	L	
	8.3×10^{-3}		Mackay and Shiu (1981)	L	
	1.4×10^{-2}	5400	Hiatt (2013)	M	
	1.2×10^{-2}		Bobadilla et al. (2003)	M	
	1.1×10^{-2}	4700	Dewulf et al. (1999)	M	
	1.5×10^{-2}		Dohnal and Hovorka (1999)	M	9
	1.5×10^{-2}		Hovorka and Dohnal (1997)	M	9
	1.1×10^{-2}	5100	Kondoh and Nakajima (1997)	M	
	1.2×10^{-2}	5900	Hansen et al. (1993)	M	111
	1.2×10^{-2}	3900	Wright et al. (1992)	M	
	1.1×10^{-2}	4100	Tse et al. (1992)	M	
	1.0×10^{-2}	4800	Ashworth et al. (1988)	M	109
	1.2×10^{-2}	3700	Leighton and Calo (1981)	M	
	6.6×10^{-3}		Sato and Nakajima (1979b)	M	20
	1.1×10^{-2}		Mackay et al. (2006b)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.0×10^{-2}		Mackay et al. (1993)	V	
	1.1×10^{-2}		Dilling (1977)	V	
	1.1×10^{-2}		Hine and Mookerjee (1975)	V	
	1.1×10^{-2}	4300	Barr and Newsham (1987)	X	122
	1.2×10^{-2}	2700	Goldstein (1982)	X	122
	1.3×10^{-3}		Ryan et al. (1988)	C	
	1.5×10^{-2}		Hilal et al. (2008)	Q	
		3700	Kühne et al. (2005)	Q	
	3.3×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	7.6×10^{-3}		Arbuckle (1983)	Q	
	1.1×10^{-2}		Mackay et al. (2006b)	?	
		4200	Kühne et al. (2005)	?	
	1.1×10^{-2}		Mackay et al. (1993)	?	
	1.0×10^{-2}		Yaws and Yang (1992)	?	98
	1.2×10^{-2}		Abraham et al. (1990)	?	
1,1,2-trichloroethane-d3 $CDCl_2CD_2Cl$ [171086-93-4]	1.3×10^{-2}	5100	Hiatt (2013)	M	
1,1,1,2-tetrachloroethane	4.2×10^{-3}	4600	Warneck (2007)	L	
CCl_3CH_2Cl	2.4×10^{-2}	3200	Staudinger and Roberts (2001)	L	
[630-20-6]	3.6×10^{-3}		Mackay and Shiu (1981)	L	
	4.8×10^{-3}	4800	Hiatt (2013)	M	
	4.3×10^{-3}	4100	Kondoh and Nakajima (1997)	M	
	3.9×10^{-3}	4800	Wright et al. (1992)	M	
	4.5×10^{-3}	4600	Tse et al. (1992)	M	
	2.1×10^{-3}		Sato and Nakajima (1979b)	M	20
	4.0×10^{-3}		Mackay et al. (2006b)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	4.2×10^{-3}	5000	Fogg and Sangster (2003)	V	
	4.1×10^{-3}		Mackay et al. (1993)	V	
	3.7×10^{-3}		Dilling (1977)	V	
	3.9×10^{-3}		Hilal et al. (2008)	Q	
		4100	Kühne et al. (2005)	Q	
	5.4×10^{-3}		Nirmalakhandan et al. (1997)	Q	
		4600	Kühne et al. (2005)	?	
	3.5×10^{-3}		Abraham et al. (1990)	?	
1,1,2,2-tetrachloroethane	2.4×10^{-2}	4800	Warneck (2007)	L	
$CHCl_2CHCl_2$	2.4×10^{-2}	3200	Staudinger and Roberts (1996)	L	
[79-34-5]	2.1×10^{-2}		Mackay and Shiu (1981)	L	
	3.3×10^{-2}	7200	Hiatt (2013)	M	
	3.0×10^{-2}		Hovorka and Dohnal (1997)	M	9
	2.3×10^{-2}	6800	Kondoh and Nakajima (1997)	M	254
	2.9×10^{-2}		Li and Carr (1993)	M	
	2.0×10^{-2}	5000	Wright et al. (1992)	M	
	2.6×10^{-2}	4800	Tse et al. (1992)	M	
	2.2×10^{-2}	2800	Ashworth et al. (1988)	M	109
	2.7×10^{-2}	3500	Leighton and Calo (1981)	M	
	1.4×10^{-2}		Sato and Nakajima (1979b)	M	20
	2.1×10^{-2}		Mackay et al. (2006b)	V	
	2.2×10^{-2}		Mackay et al. (1993)	V	
	2.1×10^{-2}		Dilling (1977)	V	
	2.2×10^{-2}		Hine and Mookerjee (1975)	V	
	1.8×10^{-2}	4200	Barr and Newsham (1987)	X	122
	2.3×10^{-2}	3000	Goldstein (1982)	X	122
	2.5×10^{-2}		Ryan et al. (1988)	C	
	1.9×10^{-2}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		4100	Kühne et al. (2005)	Q	
	6.1×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	3.9×10^{-2}		Mackay et al. (2006b)	?	
		4500	Kühne et al. (2005)	?	
	3.9×10^{-2}		Mackay et al. (1993)	?	
	3.0×10^{-2}		Yaws and Yang (1992)	?	98
	2.6×10^{-2}		Abraham et al. (1990)	?	
	3.0×10^{-2}		Chiou et al. (1980)	?	28
pentachloroethane	4.5×10^{-3}		Mackay and Shiu (1981)	L	
$CHCl_2CCl_3$	5.9×10^{-3}	5400	Hiatt (2013)	M	
[76-01-7]	4.1×10^{-3}		Mackay et al. (2006b)	V	
	4.0×10^{-3}		Mackay et al. (1993)	V	
	5.3×10^{-3}		Meylan and Howard (1991)	V	
	4.0×10^{-3}		Dilling (1977)	V	
	4.0×10^{-3}		Hine and Mookerjee (1975)	V	
	6.1×10^{-3}		Hilal et al. (2008)	Q	
	1.9×10^{-2}		Meylan and Howard (1991)	Q	
	1.0×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
	5.4×10^{-3}		Yaws and Yang (1992)	?	98
	4.2×10^{-3}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
hexachloroethane	2.5×10^{-3}	5600	Staudinger and Roberts (1996)	L	
C_2Cl_6	1.2×10^{-3}	2600	Ashworth et al. (1988)	M	109
[67-72-1]	2.5×10^{-3}	5600	Munz and Roberts (1987)	M	
	3.4×10^{-3}		Munz and Roberts (1986)	M	
	1.0×10^{-3}		Warner et al. (1980)	M	
	4.2×10^{-3}		Mackay et al. (2006b)	V	
	3.6×10^{-3}		Lide and Frederikse (1995)	V	
	1.5×10^{-2}		Hwang et al. (1992)	V	
	2.2×10^{-4}		Ballschmiter and Wittlinger (1991)	V	
	7.7×10^{-4}		Mackay and Shiu (1981)	V	
	8.1×10^{-3}		Dilling (1977)	V	
	4.3×10^{-3}		Hine and Mookerjee (1975)	V	
	1.0×10^{-3}	2100	Goldstein (1982)	X	122
	9.8×10^{-4}		Ryan et al. (1988)	C	
	2.4×10^{-3}		Zhang et al. (2010)	Q	113, 114
	1.8×10^{-3}		Zhang et al. (2010)	Q	113, 115
	1.9×10^{-3}		Zhang et al. (2010)	Q	113, 116
	3.9×10^{-3}		Zhang et al. (2010)	Q	113, 117
	3.9×10^{-3}		Hilal et al. (2008)	Q	
	1.0×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	1.2×10^{-3}		Mackay et al. (2006b)	?	
	1.2×10^{-3}		Mackay et al. (1993)	?	
	4.4×10^{-4}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-chloropropane	6.9×10^{-4}		Li et al. (1993)	M	
C_3H_7Cl	4.3×10^{-4}		Sato and Nakajima (1979b)	M	20
[540-54-5]	7.7×10^{-4}	4400	Rex (1906)	M	
	6.9×10^{-4}		Mackay et al. (2006b)	V	
	7.1×10^{-4}		Mackay et al. (1993)	V	
	7.1×10^{-4}		Abraham (1984)	V	
	7.3×10^{-4}		Hine and Mookerjee (1975)	V	
	1.1×10^{-3}		Hilal et al. (2008)	Q	
		3300	Kühne et al. (2005)	Q	
	6.2×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
		3500	Kühne et al. (2005)	?	
	9.1×10^{-4}		Yaws and Yang (1992)	?	98, 9
	7.0×10^{-4}		Abraham et al. (1990)	?	
2-chloropropane	5.4×10^{-4}		Li et al. (1993)	M	
C_3H_7Cl	5.6×10^{-4}	4300	Rex (1906)	M	
[75-29-6]	5.6×10^{-4}		Mackay et al. (2006b)	V	
	5.5×10^{-4}		Mackay et al. (1993)	V	
	6.1×10^{-4}		Hine and Mookerjee (1975)	V	
	6.0×10^{-4}		Hilal et al. (2008)	Q	
	5.1×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	6.8×10^{-4}		Yaws and Yang (1992)	?	98, 9
	6.1×10^{-4}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2-dichloropropane	3.4×10^{-3}	4300	Staudinger and Roberts (2001)	L	
$C_3H_6Cl_2$	3.4×10^{-3}	4300	Staudinger and Roberts (1996)	L	
[78-87-5]	4.3×10^{-3}	4400	Hiatt (2013)	M	
	4.2×10^{-3}		Bobadilla et al. (2003)	M	
	3.5×10^{-3}	4300	Dewulf et al. (1999)	M	
	4.4×10^{-3}		Dohnal and Hovorka (1999)	M	9
	4.6×10^{-3}		Hovorka and Dohnal (1997)	M	9
	4.3×10^{-3}	3700	Kondoh and Nakajima (1997)	M	
	3.7×10^{-3}	3800	Wright et al. (1992)	M	
	3.8×10^{-3}	3800	Tse et al. (1992)	M	
	3.0×10^{-3}	3800	Bissonette et al. (1990)	M	
	3.8×10^{-3}	4700	Ashworth et al. (1988)	M	109
	3.4×10^{-3}	4300	Leighton and Calo (1981)	M	
	3.5×10^{-3}		Warner et al. (1980)	M	
	2.1×10^{-3}		Sato and Nakajima (1979b)	M	20
	3.7×10^{-3}		Mackay et al. (2006b)	V	
	3.7×10^{-3}		Mackay et al. (1993)	V	
	3.6×10^{-3}		Warner et al. (1980)	V	
	3.4×10^{-3}		Hine and Mookerjee (1975)	V	
	3.4×10^{-3}	2100	Goldstein (1982)	X	122
	3.4×10^{-3}		Ryan et al. (1988)	C	
	5.4×10^{-3}		Hilal et al. (2008)	Q	
		3700	Kühne et al. (2005)	Q	
	1.2×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	3.5×10^{-3}		Mackay et al. (2006b)	?	
		4000	Kühne et al. (2005)	?	
	3.5×10^{-3}		Mackay et al. (1993)	?	
	3.7×10^{-3}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	3.4×10^{-3}		Abraham et al. (1990)	?	
	4.8×10^{-3}		Mackay and Yeun (1983)	?	
	5.9×10^{-3}		Chiou et al. (1980)	?	28
1,2-dichloropropane-d6 $C_3D_6Cl_2$ [93952-08-0]	3.6×10^{-3}	4600	Hiatt (2013)	M	
1,3-dichloropropane	1.3×10^{-2}	5300	Hiatt (2013)	M	
$C_3H_6Cl_2$	1.1×10^{-2}	5000	Kondoh and Nakajima (1997)	M	
[142-28-9]	1.0×10^{-2}	3900	Leighton and Calo (1981)	M	
	9.9×10^{-3}		Hine and Mookerjee (1975)	V	
	1.8×10^{-2}		Hilal et al. (2008)	Q	
		3700	Kühne et al. (2005)	Q	
	1.4×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
		3900	Kühne et al. (2005)	?	
	9.9×10^{-3}		Yaws and Yang (1992)	?	98
	9.9×10^{-3}		Abraham et al. (1990)	?	
2,2-dichloropropane	4.4×10^{-4}	7400	Hiatt (2013)	M	
$C_3H_6Cl_2$	8.1×10^{-4}	3900	Bakierowska and Trzeszczyński (2003)	M	
[594-20-7]	7.1×10^{-4}	630	Kondoh and Nakajima (1997)	M	
		3700	Kühne et al. (2005)	Q	
		3900	Kühne et al. (2005)	?	
1,1,1-trichloropropane	3.8×10^{-3}		Yaws et al. (2005)	X	158
$C_3H_5Cl_3$ [7789-89-1]	1.1×10^{-3}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,1,2-trichloropropane	1.4×10^{-2}		Yaws et al. (2005)	X	158
$C_3H_5Cl_3$ [598-77-6]	7.9×10^{-3}		Hilal et al. (2008)	Q	
1,2,3-trichloropropane	3.6×10^{-2}	3700	Staudinger and Roberts (2001)	L	
$C_3H_5Cl_3$	3.4×10^{-2}	3700	Staudinger and Roberts (1996)	L	
[96-18-4]	4.2×10^{-2}	7200	Hiatt (2013)	M	
	2.8×10^{-2}	5300	Kondoh and Nakajima (1997)	M	
	4.4×10^{-2}	4000	Tancrède and Yanagisawa (1990)	M	
	2.9×10^{-2}	3500	Leighton and Calo (1981)	M	
	2.6×10^{-2}		Mackay et al. (2006b)	V	
	2.6×10^{-2}		Mackay et al. (1993)	V	
	3.1×10^{-2}		Dilling (1977)	V	
	2.2×10^{-2}		Yaws et al. (2005)	X	158
	3.9×10^{-2}		Hilal et al. (2008)	Q	
		4000	Kühne et al. (2005)	Q	
		4100	Kühne et al. (2005)	?	
	2.9×10^{-2}		Yaws and Yang (1992)	?	98
1,1,2,2,3-pentachloropropane	1.4×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_3H_3Cl_5$	7.3×10^{-2}		Zhang et al. (2010)	Q	113, 115
[16714-68-4]	6.2×10^{-1}		Zhang et al. (2010)	Q	113, 116
	8.6×10^{-3}		Zhang et al. (2010)	Q	113, 117
1-chloro-2-methylpropane	8.3×10^{-3}		Mackay and Shiu (1981)	L	
C_4H_9Cl	7.3×10^{-4}		Hilal et al. (2008)	Q	
[513-36-0]	6.3×10^{-4}		Yaws and Yang (1992)	?	98, 9

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-chloro-2-methylpropane	2.2×10^{-4}		Hilal et al. (2008)	Q	
C_4H_9Cl	3.1×10^{-4}		Nirmalakhandan et al. (1997)	Q	
[507-20-0]	6.4×10^{-5}		Abraham et al. (1990)	?	
1-chlorobutane	6.7×10^{-4}		Dohnal and Hovorka (1999)	M	9
C_4H_9Cl	5.3×10^{-4}		Li et al. (1993)	M	
[109-69-3]	5.9×10^{-4}	3500	Leighton and Calo (1981)	M	
	3.3×10^{-4}		Sato and Nakajima (1979b)	M	20
	4.8×10^{-4}		Mackay et al. (2006b)	V	
	4.8×10^{-4}		Mackay et al. (1993)	V	
	5.3×10^{-4}		Abraham (1984)	V	
	5.1×10^{-4}		Hine and Mookerjee (1975)	V	
	9.0×10^{-4}		Hilal et al. (2008)	Q	
		3700	Kühne et al. (2005)	Q	
	5.0×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	6.5×10^{-4}		Mackay et al. (2006b)	?	
		3700	Kühne et al. (2005)	?	
	6.5×10^{-4}		Mackay et al. (1993)	?	
	5.6×10^{-4}		Hoff et al. (1993)	?	11
	5.8×10^{-4}		Yaws and Yang (1992)	?	98
	5.3×10^{-4}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-chlorobutane	4.1×10^{-4}	4500	Leighton and Calo (1981)	M	
C_4H_9Cl	5.3×10^{-4}		Mackay et al. (2006b)	V	
[78-86-4]	5.3×10^{-4}		Mackay et al. (1993)	V	
	6.2×10^{-4}		Hilal et al. (2008)	Q	
		3700	Kühne et al. (2005)	Q	
	4.2×10^{-4}		Nirmalakhandan et al. (1997)	Q	
	4.4×10^{-4}		Mackay et al. (2006b)	?	
		4500	Kühne et al. (2005)	?	
	4.4×10^{-4}		Mackay et al. (1993)	?	
	5.3×10^{-4}		Yaws and Yang (1992)	?	98
	4.0×10^{-4}		Abraham et al. (1990)	?	
1,1-dichlorobutane	1.3×10^{-3}		Hine and Mookerjee (1975)	V	
$C_4H_8Cl_2$	2.5×10^{-3}		Hilal et al. (2008)	Q	
[541-33-3]	9.2×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
1,4-dichlorobutane	2.0×10^{-2}	3100	Leighton and Calo (1981)	M	
$C_4H_8Cl_2$	2.6×10^{-2}		Hilal et al. (2008)	Q	
[110-56-5]		4000	Kühne et al. (2005)	Q	
	1.1×10^{-3}		Nirmalakhandan et al. (1997)	Q	
		3700	Kühne et al. (2005)	?	
	2.0×10^{-2}		Abraham et al. (1990)	?	
2,3-dichlorobutane	2.5×10^{-3}		Yaws et al. (2005)	X	158
$C_4H_8Cl_2$ [7581-97-7]	2.8×10^{-3}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-chloropentane	4.2×10^{-4}		Li et al. (1993)	M	
$C_5H_{11}Cl$	4.1×10^{-4}	4700	Leighton and Calo (1981)	M	
[543-59-9]	2.7×10^{-4}		Sato and Nakajima (1979b)	M	20
	4.5×10^{-4}		Mackay et al. (2006b)	V	
	4.5×10^{-4}		Mackay et al. (1993)	V	
	4.5×10^{-4}		Abraham (1984)	V	
	4.3×10^{-4}		Amoore and Buttery (1978)	V	
	4.5×10^{-4}		Hine and Mookerjee (1975)	V	
	7.3×10^{-4}		Hilal et al. (2008)	Q	
		4000	Kühne et al. (2005)	Q	
	3.9×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	4.2×10^{-4}		Mackay et al. (2006b)	?	
		4400	Kühne et al. (2005)	?	
	4.2×10^{-4}		Mackay et al. (1993)	?	
	2.0×10^{-4}		Yaws and Yang (1992)	?	98
	4.5×10^{-4}		Abraham et al. (1990)	?	
2-chloropentane	3.6×10^{-4}		Hine and Mookerjee (1975)	V	
$C_5H_{11}Cl$	4.8×10^{-4}		Hilal et al. (2008)	Q	
[625-29-6]	3.3×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	3.6×10^{-4}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-chloropentane	3.8×10^{-4}		Meylan and Howard (1991)	V	
$C_5H_{11}Cl$	3.8×10^{-4}		Hine and Mookerjee (1975)	V	
[616-20-6]	4.7×10^{-4}		Hilal et al. (2008)	Q	
	3.9×10^{-4}		Meylan and Howard (1991)	Q	
	3.4×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	3.8×10^{-4}		Abraham et al. (1990)	?	
1,2-dichloropentane	4.8×10^{-3}		Yaws et al. (2005)	X	158
$C_5H_{10}Cl_2$	3.1×10^{-3}		Hilal et al. (2008)	Q	
[1674-33-5]					
1,5-dichloropentane	1.8×10^{-2}	1600	Leighton and Calo (1981)	M	
$C_5H_{10}Cl_2$	2.0×10^{-2}		Hilal et al. (2008)	Q	
[628-76-2]		4400	Kühne et al. (2005)	Q	
		4100	Kühne et al. (2005)	?	
2,3-dichloropentane	2.9×10^{-3}		Yaws et al. (2005)	X	158
$C_5H_{10}Cl_2$	2.8×10^{-3}		Hilal et al. (2008)	Q	
[600-11-3]					
2-chloro-2-methylbutane	3.0×10^{-3}		Yaws and Yang (1992)	?	98
$C_5H_{11}Cl$					
[594-36-5]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-chlorohexane	3.1×10^{-4}		Li et al. (1993)	M	
$C_6H_{13}Cl$	4.1×10^{-4}	4500	Leighton and Calo (1981)	M	
[544-10-5]	6.1×10^{-4}		Hilal et al. (2008)	Q	
		4300	Kühne et al. (2005)	Q	
	3.1×10^{-4}		Nirmalakhandan et al. (1997)	Q	
		4400	Kühne et al. (2005)	?	
	4.0×10^{-4}		Abraham et al. (1990)	?	
2-chlorohexane	5.0×10^{-4}		Yaws et al. (2005)	X	158
$C_6H_{13}Cl$	4.2×10^{-4}		Hilal et al. (2008)	Q	
[638-28-8]					
3-chlorohexane	5.0×10^{-4}		Yaws et al. (2005)	X	158
$C_6H_{13}Cl$	5.0×10^{-4}		Hilal et al. (2008)	Q	
[2346-81-8]					
1-chloroheptane	2.5×10^{-4}		Abraham (1984)	V	
$C_7H_{15}Cl$	5.1×10^{-4}		Hilal et al. (2008)	Q	
[629-06-1]	2.4×10^{-4}		Nirmalakhandan et al. (1997)	Q	
	2.5×10^{-4}		Abraham et al. (1990)	?	
2-chloroheptane	3.9×10^{-4}		Yaws et al. (2005)	X	158
$C_7H_{15}Cl$	3.4×10^{-4}		Hilal et al. (2008)	Q	
[1001-89-4]					
3-chloroheptane	3.6×10^{-4}		Yaws et al. (2005)	X	158
$C_7H_{15}Cl$	3.4×10^{-4}		Hilal et al. (2008)	Q	
[999-52-0]					
4-chloroheptane	3.6×10^{-4}		Yaws et al. (2005)	X	158
$C_7H_{15}Cl$	3.5×10^{-4}		Hilal et al. (2008)	Q	
[998-95-8]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-chlorooctane	1.9×10^{-4}	6100	Sarraute et al. (2004)	V	
$C_8H_{17}Cl$	2.6×10^{-4}		Yaws et al. (2005)	X	158
[111-85-3]	4.2×10^{-4}		Hilal et al. (2008)	Q	
2-chlorooctane	2.7×10^{-4}		Yaws et al. (2005)	X	158
$C_8H_{17}Cl$	3.1×10^{-4}		Hilal et al. (2008)	Q	
[628-61-5]					
3-(chloromethyl)-heptane	4.5×10^{-4}		Hilal et al. (2008)	Q	
$C_8H_{17}Cl$					
[123-04-6]					
1,8-dichlorooctane	7.5×10^{-3}	7500	Sarraute et al. (2006)	M	
$C_8H_{16}Cl_2$					
[2162-99-4]					
1-chlorononane	1.6×10^{-4}		Yaws et al. (2005)	X	158
$C_9H_{19}Cl$	3.5×10^{-4}		Hilal et al. (2008)	Q	
[2473-01-0]					
2-chlorononane	2.7×10^{-4}		Yaws et al. (2005)	X	158
$C_9H_{19}Cl$	3.0×10^{-4}		Hilal et al. (2008)	Q	
[2216-36-6]					
5-chlorononane	2.2×10^{-4}		Yaws et al. (2005)	X	158
$C_9H_{19}Cl$	2.6×10^{-4}		Hilal et al. (2008)	Q	
[28123-70-8]					
1-chlorodecane	1.6×10^{-4}		Yaws et al. (2005)	X	158
$C_{10}H_{21}Cl$	2.5×10^{-4}		Hilal et al. (2008)	Q	
[1002-69-3]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,10-dichlorodecane	2.0×10^{-3}		Drouillard et al. (1998)	V	
$C_{10}H_{20}Cl_2$	5.3×10^{-3}		Hilal et al. (2008)	Q	
[2162-98-3]					
1,2,9,10-tetrachlorodecane	5.6×10^{-2}		Drouillard et al. (1998)	M	
$C_{10}H_{18}Cl_4$	1.4×10^{-2}		Hilal et al. (2008)	Q	
[205646-11-3]					
pentachlorodecane isomers	2.0×10^{-1}		Drouillard et al. (1998)	M	
$C_{10}H_{17}Cl_5$	3.8×10^{-1}		Drouillard et al. (1998)	M	
[175801-37-3]					
1-chloroundecane	1.7×10^{-4}		Yaws et al. (2005)	X	158
$C_{11}H_{23}Cl$	2.3×10^{-4}		Hilal et al. (2008)	Q	
[2473-03-2]					
1,2,10,11-tetrachloroundecane	1.6×10^{-1}		Drouillard et al. (1998)	M	
$C_{11}H_{20}Cl_4$	1.1×10^{-2}		Hilal et al. (2008)	Q	
[210049-49-3]					
pentachloroundecane isomers	6.8×10^{-1}		Drouillard et al. (1998)	M	
$C_{11}H_{19}Cl_5$	1.5		Drouillard et al. (1998)	M	
[210175-48-7]					
1-chlorododecane	2.3×10^{-4}		Yaws et al. (2005)	X	158
$C_{12}H_{25}Cl$	1.9×10^{-4}		Hilal et al. (2008)	Q	
[112-52-7]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,12-dichlorododecane	1.5×10^{-3}		Drouillard et al. (1998)	V	
$C_{12}H_{24}Cl_2$	3.1×10^{-3}		Hilal et al. (2008)	Q	
[3922-28-9]					
1-chlorotridecane	2.9×10^{-4}		Yaws et al. (2005)	X	158
$C_{13}H_{27}Cl$	1.4×10^{-4}		Hilal et al. (2008)	Q	
[822-13-9]					
1-chlorotetradecane	3.9×10^{-4}		Yaws et al. (2005)	X	158
$C_{14}H_{29}Cl$	1.2×10^{-4}		Hilal et al. (2008)	Q	
[2425-54-9]					
tetrachlorocyclopentane	6.4×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_5H_6Cl_4$	4.1×10^{-1}		Zhang et al. (2010)	Q	113, 115
[59808-78-5]	1.5		Zhang et al. (2010)	Q	113, 116
	2.9×10^{-2}		Zhang et al. (2010)	Q	113, 117
1,1,2,3,3,4-hexachlorocyclopentane	5.1×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_5H_4Cl_6$	1.9×10^{-1}		Zhang et al. (2010)	Q	113, 115
[68258-91-3]	1.6		Zhang et al. (2010)	Q	113, 116
	2.2×10^{-2}		Zhang et al. (2010)	Q	113, 117
1,1,2,3,3,4,5-heptachlorocyclopentane	1.5×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_5H_3Cl_7$	7.9×10^{-1}		Zhang et al. (2010)	Q	113, 115
[68258-90-2]	1.6		Zhang et al. (2010)	Q	113, 116
	8.6×10^{-2}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3,3,4,5-hexachlorocyclopentene	1.4×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_5H_2Cl_6$	4.4×10^{-2}		Zhang et al. (2010)	Q	113, 115
	4.4×10^{-1}		Zhang et al. (2010)	Q	113, 116
	6.4×10^{-2}		Zhang et al. (2010)	Q	113, 117
heptachlorocyclopentene	3.9×10^{-2}		Zhang et al. (2010)	Q	113, 114
C_5HCl_7	3.5×10^{-2}		Zhang et al. (2010)	Q	113, 115
[62111-47-1]	8.4×10^{-2}		Zhang et al. (2010)	Q	113, 116
	5.4×10^{-2}		Zhang et al. (2010)	Q	113, 117
chlorocyclohexane	2.8×10^{-3}	3300	Bakierowska and Trzeszczyński (2003)	M	
$C_6H_{11}Cl$	3.2×10^{-3}		Hilal et al. (2008)	Q	
[542-18-7]		4200	Kühne et al. (2005)	Q	
		3200	Kühne et al. (2005)	?	
α-1,2,3,4,5,6-hexachlorocyclohexane	1.5		Xiao et al. (2004)	L	143
$C_6H_6Cl_6$	1.4		Xiao et al. (2004)	L	144
(α-lindane; α-HCH)	3.0	5500	Cetin et al. (2006)	M	
[319-84-6]	1.7	7500	Sahsuvar et al. (2003)	M	
	8.1×10^{-1}		Altschuh et al. (1999)	M	
	1.3	6500	Kucklick et al. (1991)	M	
	4.2×10^{-1}		Atlas et al. (1982)	M	255
	1.1		Mackay et al. (2006d)	V	
	9.1×10^{-1}		Ballschmiter and Wittlinger (1991)	V	
	2.3		Calamari et al. (1991)	V	9
	1.1		Suntio et al. (1988)	V	9
	5.9×10^{-3}	3900	Paasivirta et al. (1999)	T	
	1.8		Suntio et al. (1988)	C	256

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	3.9×10^{-2}		Zhang et al. (2010)	Q	113, 114
	7.7		Zhang et al. (2010)	Q	113, 115
	4.0×10^{1}		Zhang et al. (2010)	Q	113, 116
	3.8×10^{-1}		Zhang et al. (2010)	Q	113, 117
		7100	Kühne et al. (2005)	Q	
		7100	Kühne et al. (2005)	?	
β-1,2,3,4,5,6-hexachlorocyclohexane	2.7×10^{1}		Xiao et al. (2004)	L	143
$C_6H_6Cl_6$	2.7×10^{1}		Xiao et al. (2004)	L	144
(β-lindane; β-HCH)	2.8×10^{1}	7800	Sahsuvar et al. (2003)	M	
[319-85-7]	2.2×10^{1}		Altschuh et al. (1999)	M	
	8.6		Mackay et al. (2006d)	V	
	1.4×10^{1}		Ballschmiter and Wittlinger (1991)	V	
	8.3		Suntio et al. (1988)	V	9
	5.6×10^{1}		Suntio et al. (1988)	C	257
	6.7×10^{-1}		Ryan et al. (1988)	C	
		7100	Kühne et al. (2005)	Q	
		7800	Kühne et al. (2005)	?	
γ-1,2,3,4,5,6-hexachlorocyclohexane	3.7		Xiao et al. (2004)	L	143
$C_6H_6Cl_6$	3.3		Xiao et al. (2004)	L	144
(γ-lindane; lindane; γ-HCH)	3.1		Mackay and Shiu (1981)	L	
[58-89-9]	3.9	3300	Cetin et al. (2006)	M	
	6.0	6200	Xie et al. (2004)	M	
	4.3	7500	Sahsuvar et al. (2003)	M	
	1.9		Altschuh et al. (1999)	M	
	2.8	5500	Kucklick et al. (1991)	M	
	4.9		Fendinger et al. (1989)	M	129
	5.0		Fendinger and Glotfelty (1988)	M	129

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	6.7		Mackay et al. (2006d)	V	
	3.3		Siebers et al. (1994)	V	
	1.0×10^{1}		Ballschmiter and Wittlinger (1991)	V	
	5.9		Calamari et al. (1991)	V	9
	3.7		McLachlan et al. (1990)	V	148
	7.7		Suntio et al. (1988)	V	9
	6.7×10^{-1}		Caron et al. (1985)	V	
	7.9		Burkhard and Guth (1981)	V	
	3.1		Chiou et al. (1980)	V	
	2.0×10^{1}		Mackay and Leinonen (1975)	V	
	6.2×10^{-2}	7100	Paasivirta et al. (1999)	T	
	3.1×10^{1}		McCarty (1980)	X	145
	2.0×10^{1}		Suntio et al. (1988)	C	9
	5.0		Suntio et al. (1988)	C	257
	1.4		Suntio et al. (1988)	C	
	3.9×10^{-2}		Zhang et al. (2010)	Q	113, 114
	7.7		Zhang et al. (2010)	Q	113, 115
	4.7×10^{1}		Zhang et al. (2010)	Q	113, 116
	3.8×10^{-1}		Zhang et al. (2010)	Q	113, 117
	5.3		Hilal et al. (2008)	Q	
		7100	Kühne et al. (2005)	Q	
		6200	Kühne et al. (2005)	?	
	2.2×10^{1}		Brimblecombe (1986)	?	91
δ-1,2,3,4,5,6-hexachlorocyclohexane	1.4×10^{1}		Mackay et al. (2006d)	V	
$C_6H_6Cl_6$	1.4×10^{1}		Suntio et al. (1988)	V	9
(δ-lindane; δ-HCH) [319-86-8]	5.6×10^{1}		Suntio et al. (1988)	C	257

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene	2.0×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_6Cl_6$	6.2×10^{-3}		Zhang et al. (2010)	Q	113, 115
[3734-48-3]	2.2		Zhang et al. (2010)	Q	113, 116
	4.2×10^{-1}		Zhang et al. (2010)	Q	113, 117
dechlorane plus	1.3		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{12}Cl_{12}$	7.0×10^{-2}		Zhang et al. (2010)	Q	113, 115
[13560-89-9]	2.1×10^{3}		Zhang et al. (2010)	Q	113, 116
	4.6×10^{1}		Zhang et al. (2010)	Q	113, 117
chloroethene	3.8×10^{-4}	3100	Warneck (2007)	L	
CH_2CHCl	3.9×10^{-4}	3100	Staudinger and Roberts (2001)	L	
(vinyl chloride)	3.9×10^{-4}	3100	Staudinger and Roberts (1996)	L	
[75-01-4]	4.5×10^{-4}	3000	Wilhelm et al. (1977)	L	
	3.9×10^{-4}	3200	Hiatt (2013)	M	
	4.1×10^{-4}	2300	Chen et al. (2012)	M	
			Chiang et al. (1998)	M	251
	4.0×10^{-4}	2900	Ashworth et al. (1988)	M	109
	3.7×10^{-4}	3300	Gossett (1987)	M	
	8.5×10^{-6}		Pearson and McConnell (1975)	M	249, 148
			Mackay et al. (2006b)	V	258
	9.1×10^{-4}		Lide and Frederikse (1995)	V	
	1.2×10^{-4}		Mackay et al. (1993)	V	
	1.1×10^{-4}		Hwang et al. (1992)	V	
	9.4×10^{-6}		Dilling (1977)	V	
	4.2×10^{-4}		Dilling (1977)	V	
	1.8×10^{-4}		Hine and Mookerjee (1975)	V	
	6.5×10^{-4}		Ryan et al. (1988)	C	
	2.1×10^{-4}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.0×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	8.1×10^{-4}		Irmann (1965)	Q	
	3.7×10^{-4}		Mackay et al. (2006b)	?	
	3.7×10^{-4}		Mackay et al. (1993)	?	
	4.4×10^{-4}		Yaws and Yang (1992)	?	98
	4.5×10^{-4}		Abraham et al. (1990)	?	
chloroethene-d3 CD_2CDCl (vinyl chloride-d3) [6745-35-3]	3.8×10^{-4}	3100	Hiatt (2013)	M	
1,1-dichloroethene CH_2CCl_2 [75-35-4]	3.7×10^{-4}	3400	Warneck (2007)	L	
	4.0×10^{-4}	3800	Fogg and Sangster (2003)	L	
	3.4×10^{-4}	4000	Staudinger and Roberts (2001)	L	
	3.4×10^{-4}	3900	Staudinger and Roberts (1996)	L	
	4.1×10^{-4}	4600	Hiatt (2013)	M	
	3.7×10^{-4}	4200	Dewulf et al. (1999)	M	
	4.4×10^{-4}		Chiang et al. (1998)	M	9
	4.6×10^{-4}	1600	Kondoh and Nakajima (1997)	M	
	3.5×10^{-4}	3300	Tse et al. (1992)	M	
	3.4×10^{-4}	4500	Bissonette et al. (1990)	M	
	3.7×10^{-4}	2900	Ashworth et al. (1988)	M	109
	3.8×10^{-4}	3700	Gossett (1987)	M	
	1.3×10^{-4}		Yurteri et al. (1987)	M	9
	2.6×10^{-4}	4600	Leighton and Calo (1981)	M	
	1.4×10^{-4}	6600	Ervin et al. (1980)	M	
	6.6×10^{-4}		Warner et al. (1980)	M	
	6.6×10^{-5}		Pearson and McConnell (1975)	M	249, 9

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	4.3×10^{-4}		Mackay et al. (2006b)	V	
	3.3×10^{-4}		Lide and Frederikse (1995)	V	
	4.3×10^{-4}		Mackay et al. (1993)	V	
	7.5×10^{-5}		Mackay and Shiu (1981)	V	
	6.5×10^{-4}		Warner et al. (1980)	V	
	5.2×10^{-5}		Dilling (1977)	V	250
	6.1×10^{-5}		Dilling (1977)	V	9
	6.4×10^{-4}	1200	Goldstein (1982)	X	122
	2.2×10^{-3}		Ryan et al. (1988)	C	
	1.3×10^{-4}		Hilal et al. (2008)	Q	
		3300	Kühne et al. (2005)	Q	
	3.8×10^{-4}		Mackay et al. (2006b)	?	
		3700	Kühne et al. (2005)	?	
	3.8×10^{-4}		Mackay et al. (1993)	?	
	4.3×10^{-4}		Yaws and Yang (1992)	?	98
	2.7×10^{-4}		Abraham et al. (1990)	?	
1,2-dichloroethene $C_2H_2Cl_2$ [540-59-0]	3.7×10^{-4}		Hilal et al. (2008)	Q	
	4.5×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
(*Z*)-1,2-dichloroethene CHClCHCl (*cis*-1,2-dichloroethene) [156-59-2]	2.6×10^{-3}	3700	Warneck (2007)	L	
	2.5×10^{-3}	4000	Fogg and Sangster (2003)	L	
	2.3×10^{-3}	3900	Staudinger and Roberts (2001)	L	
	2.3×10^{-3}	3900	Staudinger and Roberts (1996)	L	
	2.7×10^{-3}	3800	Hiatt (2013)	M	
	2.5×10^{-3}	3900	Chen et al. (2012)	M	
	2.2×10^{-3}	3100	Shimotori and Arnold (2003)	M	
	1.5×10^{-3}		Ryu and Park (1999)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	3.2×10^{-3}		Hovorka and Dohnal (1997)	M	9
	2.5×10^{-3}	3000	Kondoh and Nakajima (1997)	M	
	1.3×10^{-3}	3100	Park et al. (1997)	M	
	2.4×10^{-3}	3800	Wright et al. (1992)	M	
	2.5×10^{-3}	3800	Tse et al. (1992)	M	
	2.5×10^{-3}	4200	Bissonette et al. (1990)	M	
	2.1×10^{-3}	3100	Ashworth et al. (1988)	M	109
	2.6×10^{-3}	4200	Gossett (1987)	M	
	2.2×10^{-3}		Yurteri et al. (1987)	M	9
	2.2×10^{-3}	4100	Ervin et al. (1980)	M	
	1.1×10^{-3}		Sato and Nakajima (1979b)	M	20
	1.3×10^{-3}		Mackay et al. (2006b)	V	
	1.3×10^{-3}		Park et al. (1997)	V	
	1.3×10^{-3}		Mackay et al. (1993)	V	
	1.3×10^{-3}		Mackay and Shiu (1981)	V	
	1.3×10^{-3}		Dilling (1977)	V	
	2.9×10^{-3}		Hine and Mookerjee (1975)	V	
		3300	Kühne et al. (2005)	Q	
	2.2×10^{-3}		Mackay et al. (2006b)	?	
		4200	Kühne et al. (2005)	?	
	2.2×10^{-3}		Mackay et al. (1993)	?	
	1.3×10^{-3}		Yaws and Yang (1992)	?	98
	1.3×10^{-3}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
(*E*)-1,2-dichloroethene	1.0×10^{-3}	3500	Warneck (2007)	L	
CHClCHCl	1.1×10^{-3}	4200	Fogg and Sangster (2003)	L	
(*trans*-1,2-dichloroethene)	9.0×10^{-4}	4100	Staudinger and Roberts (2001)	L	
[156-60-5]	9.0×10^{-4}	4100	Staudinger and Roberts (1996)	L	
	1.0×10^{-3}	4000	Hiatt (2013)	M	
	1.0×10^{-3}	3500	Shimotori and Arnold (2003)	M	
	1.6×10^{-3}		Ryu and Park (1999)	M	
	1.3×10^{-3}		Hovorka and Dohnal (1997)	M	9
	1.1×10^{-3}	2200	Kondoh and Nakajima (1997)	M	
	1.8×10^{-3}	6200	Park et al. (1997)	M	
	9.5×10^{-4}	4100	Khalfaoui and Newsham (1994b)	M	
	9.8×10^{-4}	3400	Hansen et al. (1993)	M	111
	1.0×10^{-3}	4000	Wright et al. (1992)	M	
	1.0×10^{-3}	3700	Tse et al. (1992)	M	
	9.9×10^{-4}	4300	Cooling et al. (1992)	M	
	8.4×10^{-4}	4800	Bissonette et al. (1990)	M	
	9.9×10^{-4}	3000	Ashworth et al. (1988)	M	109
	1.1×10^{-3}	4200	Gossett (1987)	M	
	1.1×10^{-3}		Yurteri et al. (1987)	M	9
	7.0×10^{-4}	5400	Ervin et al. (1980)	M	
	1.9×10^{-3}		Warner et al. (1980)	M	
	8.1×10^{-4}		Sato and Nakajima (1979b)	M	20
	1.5×10^{-3}		Mackay et al. (2006b)	V	
	1.5×10^{-3}		Park et al. (1997)	V	
	1.5×10^{-3}		Mackay et al. (1993)	V	
	1.5×10^{-3}		Hwang et al. (1992)	V	
	1.5×10^{-3}		Mackay and Shiu (1981)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.4×10^{-3}		Warner et al. (1980)	V	
	1.5×10^{-3}		Dilling (1977)	V	
	1.5×10^{-3}		Hine and Mookerjee (1975)	V	
	1.9×10^{-3}	1700	Goldstein (1982)	X	122
	1.5×10^{-3}		Ryan et al. (1988)	C	
		3300	Kühne et al. (2005)	Q	
	1.0×10^{-3}		Mackay et al. (2006b)	?	
		4300	Kühne et al. (2005)	?	
	1.0×10^{-3}		Mackay et al. (1993)	?	
	1.5×10^{-3}		Yaws and Yang (1992)	?	98
	1.5×10^{-3}		Abraham et al. (1990)	?	
trichloroethene	1.1×10^{-3}	4300	Warneck (2007)	L	
C_2HCl_3	1.0×10^{-3}	4300	Fogg and Sangster (2003)	L	
(trichloroethylene)	1.0×10^{-3}	4600	Staudinger and Roberts (2001)	L	
[79-01-6]	9.9×10^{-4}	4600	Staudinger and Roberts (1996)	L	
	6.6×10^{-4}		Steward et al. (1973)	L	20
	1.2×10^{-3}	4700	Hiatt (2013)	M	
	1.3×10^{-3}		Zhang et al. (2013)	M	
	1.0×10^{-3}	3900	Chen et al. (2012)	M	
	9.4×10^{-4}		Helburn et al. (2008)	M	
	1.0×10^{-3}	3900	Shimotori and Arnold (2003)	M	
	1.1×10^{-3}	4200	Görgényi et al. (2002)	M	
	1.2×10^{-3}	3600	Bierwagen and Keller (2001)	M	
	7.6×10^{-4}	4900	Moore (2000)	M	130
	1.0×10^{-3}		David et al. (2000)	M	129
	1.1×10^{-3}	3900	Vane and Giroux (2000)	M	
	9.5×10^{-4}	4900	Dewulf et al. (1999)	M	
	9.5×10^{-4}		Ryu and Park (1999)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	9.3×10^{-4}	3700	Heron et al. (1998)	M	
	1.1×10^{-3}		Chiang et al. (1998)	M	9
	1.4×10^{-3}		Peng and Wan (1998)	M	
	8.7×10^{-4}	4000	Peng and Wan (1998)	M	130
	1.1×10^{-3}	3800	Peng and Wan (1997)	M	
	1.3×10^{-3}		Hovorka and Dohnal (1997)	M	9
	1.1×10^{-3}	2200	Kondoh and Nakajima (1997)	M	
	8.8×10^{-4}	3600	Park et al. (1997)	M	
	8.5×10^{-4}		Turner et al. (1996)	M	
	8.3×10^{-4}		Ramachandran et al. (1996)	M	
	1.2×10^{-3}	3900	Dewulf et al. (1995)	M	
	1.3×10^{-3}		Nielsen et al. (1994)	M	
	9.7×10^{-4}	4300	Khalfaoui and Newsham (1994b)	M	
	9.5×10^{-4}	3500	Robbins et al. (1993)	M	
	1.1×10^{-3}		Hoff et al. (1993)	M	
	1.0×10^{-3}		Li et al. (1993)	M	
	1.1×10^{-3}	4200	Wright et al. (1992)	M	
	1.1×10^{-3}	4200	Tse et al. (1992)	M	
	9.8×10^{-4}	4100	Cooling et al. (1992)	M	
	1.3×10^{-3}	5200	Tancrède and Yanagisawa (1990)	M	
	1.0×10^{-3}	5200	Bissonette et al. (1990)	M	
	9.7×10^{-4}	2000	Lamarche and Droste (1989)	M	138
	5.5×10^{-4}		Guitart et al. (1989)	M	20
	9.5×10^{-4}	3700	Ashworth et al. (1988)	M	109
	1.0×10^{-3}	4800	Gossett (1987)	M	
	9.6×10^{-4}	4700	Munz and Roberts (1987)	M	
	9.8×10^{-4}		Hellmann (1987)	M	30

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	9.4×10^{-4}		Yurteri et al. (1987)	M	9
	9.0×10^{-4}	5400	Schoene and Steinhanses (1985)	M	
	1.1×10^{-3}	4300	Gossett et al. (1985)	M	
	1.0×10^{-3}		Garbarini and Lion (1985)	M	
	9.7×10^{-4}	4900	Lincoff and Gossett (1984)	M	
	1.0×10^{-3}	4600	Leighton and Calo (1981)	M	
	7.4×10^{-4}	4800	Ervin et al. (1980)	M	
	8.4×10^{-4}		Warner et al. (1980)	M	
	5.0×10^{-4}		Sato and Nakajima (1979b)	M	20
	1.1×10^{-3}		Pearson and McConnell (1975)	M	249, 9
	8.5×10^{-4}		Mackay et al. (2006b)	V	
	9.9×10^{-4}		Park et al. (1997)	V	
	8.4×10^{-4}		Mackay et al. (1993)	V	
	1.1×10^{-3}		Hwang et al. (1992)	V	
	8.1×10^{-4}		Mackay and Shiu (1981)	V	
	8.4×10^{-4}		Warner et al. (1980)	V	
	8.2×10^{-4}		Dilling (1977)	V	250
	1.0×10^{-3}		Dilling (1977)	V	9
	2.4×10^{-3}		Dilling (1977)	V	252
	8.4×10^{-4}		Hine and Mookerjee (1975)	V	
	8.4×10^{-4}		Dilling et al. (1975)	V	
	8.8×10^{-4}	1600	Goldstein (1982)	X	122
	1.1×10^{-3}		Ryan et al. (1988)	C	
	3.0×10^{-4}		Hilal et al. (2008)	Q	
		3600	Kühne et al. (2005)	Q	
	8.4×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	9.7×10^{-4}		Mackay et al. (2006b)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		4200	Kühne et al. (2005)	?	
	9.7×10^{-4}		Mackay et al. (1993)	?	
	8.4×10^{-4}		Yaws and Yang (1992)	?	98
	8.4×10^{-4}		Abraham et al. (1990)	?	
tetrachloroethene	6.2×10^{-4}	4500	Warneck (2007)	L	
C_2Cl_4	6.0×10^{-4}	4200	Fogg and Sangster (2003)	L	
(tetrachloroethylene)	5.9×10^{-4}	4800	Staudinger and Roberts (2001)	L	
[127-18-4]	5.8×10^{-4}	4800	Staudinger and Roberts (1996)	L	
	4.3×10^{-4}		Mackay and Shiu (1981)	L	
	9.9×10^{-4}	4600	Hiatt (2013)	M	
	6.2×10^{-4}	4200	Chen et al. (2012)	M	
	5.8×10^{-4}	4200	Shimotori and Arnold (2003)	M	
	4.1×10^{-4}	5300	Moore (2000)	M	130
	6.0×10^{-4}	4100	Vane and Giroux (2000)	M	
	5.3×10^{-4}		Ryu and Park (1999)	M	
	8.6×10^{-4}		Dohnal and Hovorka (1999)	M	9
	6.2×10^{-4}		Chiang et al. (1998)	M	9
	7.8×10^{-4}		Peng and Wan (1998)	M	
	4.7×10^{-4}	4100	Peng and Wan (1998)	M	130
	6.1×10^{-4}	4200	Peng and Wan (1997)	M	
	8.4×10^{-4}		Hovorka and Dohnal (1997)	M	9
	6.9×10^{-4}	2200	Kondoh and Nakajima (1997)	M	
	5.5×10^{-4}	4200	Park et al. (1997)	M	
	6.9×10^{-4}	4800	Dewulf et al. (1995)	M	
	5.6×10^{-4}	3600	Robbins et al. (1993)	M	
	6.3×10^{-4}		Hoff et al. (1993)	M	
	6.3×10^{-4}		Li et al. (1993)	M	
	8.1×10^{-4}	2100	Kolb et al. (1992)	M	108

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	5.9×10^{-4}	5500	Tancrède and Yanagisawa (1990)	M	
	6.2×10^{-4}	5300	Bissonette et al. (1990)	M	
	5.4×10^{-4}	4400	Ashworth et al. (1988)	M	109
	5.6×10^{-4}	4900	Gossett (1987)	M	
	5.4×10^{-4}	4400	Munz and Roberts (1987)	M	
	7.7×10^{-4}		Hellmann (1987)	M	30
	7.5×10^{-4}		Yurteri et al. (1987)	M	9
	6.5×10^{-4}	4600	Gossett et al. (1985)	M	
	5.7×10^{-4}	5100	Lincoff and Gossett (1984)	M	
	6.1×10^{-4}	4700	Leighton and Calo (1981)	M	
	5.7×10^{-4}	5200	Ervin et al. (1980)	M	
	3.4×10^{-4}		Warner et al. (1980)	M	
	1.1×10^{-3}	4300	Gossett (1980)	M	
	1.7×10^{-4}		Sato and Nakajima (1979b)	M	20
	5.0×10^{-4}		Pearson and McConnell (1975)	M	249, 9
	3.7×10^{-4}		Mackay et al. (2006b)	V	
	3.4×10^{-4}		Park et al. (1997)	V	
	3.7×10^{-4}		Mackay et al. (1993)	V	
	3.6×10^{-4}		Hwang et al. (1992)	V	
	3.5×10^{-4}		Warner et al. (1980)	V	
	3.4×10^{-4}		Dilling (1977)	V	250
	4.0×10^{-4}		Dilling (1977)	V	9
	1.2×10^{-3}		Dilling (1977)	V	252
	3.7×10^{-4}		Hine and Mookerjee (1975)	V	
	9.8×10^{-4}		Dilling et al. (1975)	V	
	3.6×10^{-4}	1500	Goldstein (1982)	X	122
	6.3×10^{-4}		Ryan et al. (1988)	C	
	8.1×10^{-4}		Dilling (1977)	C	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	8.1×10^{-4}		Dilling et al. (1975)	C	
	1.7×10^{-4}		Hilal et al. (2008)	Q	
		3900	Kühne et al. (2005)	Q	
	8.8×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	5.8×10^{-4}		Mackay et al. (2006b)	?	
		5100	Kühne et al. (2005)	?	
	5.8×10^{-4}		Mackay et al. (1993)	?	
	3.7×10^{-4}		Yaws and Yang (1992)	?	98
	3.4×10^{-4}		Abraham et al. (1990)	?	
	2.9×10^{-3}		Chiou et al. (1980)	?	28
3-chloro-1-propene	9.1×10^{-4}		Mackay and Shiu (1981)	L	
C_3H_5Cl	1.3×10^{-3}	4500	Hiatt (2013)	M	
(allyl chloride)	4.6×10^{-4}		Mackay et al. (1993)	V	
[107-05-1]	9.2×10^{-4}		Dilling (1977)	V	
	1.1×10^{-3}		Hine and Mookerjee (1975)	V	
	4.0×10^{-3}		Hilal et al. (2008)	Q	
	1.8×10^{-3}		Nirmalakhandan et al. (1997)	Q	
	1.7×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	1.1×10^{-3}		Yaws and Yang (1992)	?	98
	1.1×10^{-3}		Abraham et al. (1990)	?	
1,1-dichloropropene	6.1×10^{-4}	4200	Hiatt (2013)	M	
$C_3H_4Cl_2$	5.4×10^{-4}	1900	Kondoh and Nakajima (1997)	M	
[563-58-6]					
1,2-dichloropropene	3.1×10^{-4}		Hilal et al. (2008)	Q	
$C_3H_4Cl_2$					
[563-54-2]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,3-dichloropropene	6.4×10^{-3}	4200	Wright et al. (1992)	M	
$C_3H_4Cl_2$	2.8×10^{-3}		Warner et al. (1980)	M	
[542-75-6]	7.3×10^{-3}		Warner et al. (1980)	V	
	2.8×10^{-3}	1500	Goldstein (1982)	X	122
	5.8×10^{-3}		Hilal et al. (2008)	C	
	8.1×10^{-3}		Ryan et al. (1988)	C	
	5.7×10^{-3}		Hilal et al. (2008)	Q	
cis-1,3-dichloropropene	4.2×10^{-3}		Mackay and Shiu (1981)	L	
$C_3H_4Cl_2$	9.5×10^{-3}	5500	Hiatt (2013)	M	
[10061-01-5]	6.3×10^{-3}	4300	Kondoh and Nakajima (1997)	M	
	4.2×10^{-3}		Dilling (1977)	V	
	5.5×10^{-3}		Yates and Gan (1998)	?	
trans-1,3-dichloropropene	5.6×10^{-3}		Mackay and Shiu (1981)	L	
$C_3H_4Cl_2$	5.8×10^{-3}	4800	Hiatt (2013)	M	
[10061-02-6]	1.0×10^{-2}	5000	Kondoh and Nakajima (1997)	M	
	5.6×10^{-3}		Dilling (1977)	V	
	9.4×10^{-3}		Yates and Gan (1998)	?	
2,3-dichloropropene	2.8×10^{-3}		Mackay and Shiu (1981)	L	
$C_3H_4Cl_2$	2.7×10^{-3}		Dilling (1977)	V	
[78-88-6]	4.8×10^{-3}		Hilal et al. (2008)	Q	
1,1,2,3,3,3-hexachloro-1-propene C_3Cl_6 [1888-71-7]	9.9×10^{-4}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
(*Z*)-1-chloro-2-butene	1.2×10^{-3}	2800	Bakierowska and Trzeszczyński (2003)	M	
C_4H_7Cl		3800	Kühne et al. (2005)	Q	
(*cis*-1-chloro-2-butene)		2800	Kühne et al. (2005)	?	
[4628-21-1]					
(*E*)-1-chloro-2-butene	3.1×10^{-3}	3000	Bakierowska and Trzeszczyński (2003)	M	
C_4H_7Cl		3800	Kühne et al. (2005)	Q	
(*trans*-1-chloro-2-butene)		3000	Kühne et al. (2005)	?	
[4894-61-5]					
(*Z*)-1,4-dichloro-2-butene $C_4H_6Cl_2$ [1476-11-5]	3.0×10^{-2}	9400	Hiatt (2013)	M	
(*E*)-1,4-dichloro-2-butene	3.5×10^{-2}	6600	Hiatt (2013)	M	
$C_4H_6Cl_2$ [110-57-6]	7.2×10^{-2}		Hilal et al. (2008)	Q	
1-chloro-2-methylpropene C_4H_7Cl (dimethylvinyl chloride) [513-37-1]			Haynes (2014)	?	259
2-chloro-1,3-butadiene C_4H_5Cl [126-99-8]	4.7×10^{-2}		Mackay et al. (1993)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
hexachlorobutadiene	8.3×10^{-4}	3100	Fogg and Sangster (2003)	L	
$CCl_2CClCClCCl_2$	2.3×10^{-3}	6200	Hiatt (2013)	M	
[87-68-3]	6.2×10^{-4}	4900	Dewulf et al. (1999)	M	
	7.0×10^{-4}	2500	Kondoh and Nakajima (1997)	M	
	2.3×10^{-3}		Oliver (1985)	M	
	9.6×10^{-4}		Warner et al. (1980)	M	
	4.0×10^{-4}		Pearson and McConnell (1975)	M	249, 9
	6.1×10^{-4}		Mackay et al. (2006b)	V	
	6.5×10^{-4}		Mackay et al. (1993)	V	
	9.1×10^{-4}		Ballschmiter and Wittlinger (1991)	V	
	3.8×10^{-4}		Warner et al. (1980)	V	
	9.8×10^{-4}	4600	Goldstein (1982)	X	122
	9.7×10^{-4}		Hilal et al. (2008)	C	
	9.4×10^{-4}		Ryan et al. (1988)	C	
	9.0×10^{-4}		Zhang et al. (2010)	Q	113, 114
	5.0×10^{-4}		Zhang et al. (2010)	Q	113, 115
	2.3×10^{-3}		Zhang et al. (2010)	Q	113, 116
	1.7×10^{-2}		Zhang et al. (2010)	Q	113, 117
	6.2×10^{-4}		Hilal et al. (2008)	Q	
		5300	Kühne et al. (2005)	Q	
		3500	Kühne et al. (2005)	?	
chlordane	1.8×10^{-1}		Fendinger et al. (1989)	M	129
$C_{10}H_6Cl_8$	1.2×10^{-1}		Fendinger et al. (1989)	M	246
[57-74-9]	2.1×10^{-1}		Warner et al. (1980)	M	
	1.1×10^{-1}		Suntio et al. (1988)	V	9
	2.0×10^{-1}		Suntio et al. (1988)	C	
	1.1×10^{-1}		Suntio et al. (1988)	C	
	1.0×10^{-1}		Ryan et al. (1988)	C	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.4×10^{-1}		Zhang et al. (2010)	Q	113, 114
	4.8×10^{-2}		Zhang et al. (2010)	Q	113, 115
	2.4×10^{1}		Zhang et al. (2010)	Q	113, 116
	1.5		Zhang et al. (2010)	Q	113, 117
	5.3×10^{-2}		Hilal et al. (2008)	Q	
cis-chlordane	1.7×10^{-1}		Shen and Wania (2005)	L	143
$C_{10}H_6Cl_8$	1.8×10^{-1}		Shen and Wania (2005)	L	144
(α-chlordane)	3.7×10^{-2}	4100	Jantunen and Bidleman (2006)	M	
[5103-71-9]	1.5×10^{-1}	6100	Cetin et al. (2006)	M	
	1.1×10^{-2}		Atlas et al. (1982)	M	255
			Mackay et al. (2006d)	V	226
	4.8×10^{-3}	7300	Paasivirta et al. (1999)	T	
trans-chlordane	1.7×10^{-1}		Shen and Wania (2005)	L	143
$C_{10}H_6Cl_8$	1.5×10^{-1}		Shen and Wania (2005)	L	144
(β-chlordane; γ-chlordane)	3.4×10^{-2}	3500	Jantunen and Bidleman (2006)	M	
[5103-74-2]	6.3×10^{-2}	7600	Cetin et al. (2006)	M	
	7.4×10^{-3}		Atlas et al. (1982)	M	255
			Mackay et al. (2006d)	V	226
	3.6×10^{-3}	7100	Paasivirta et al. (1999)	T	
cis-nonachlor $C_{10}H_5Cl_9$ [5103-73-1]	1.4	5100	Cetin et al. (2006)	M	
trans-nonachlor	3.1×10^{-2}	4800	Jantunen and Bidleman (2006)	M	
$C_{10}H_5Cl_9$	8.8×10^{-2}	8000	Cetin et al. (2006)	M	
[39765-80-5]	7.9×10^{-4}	7600	Paasivirta et al. (1999)	T	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
chlorobenzene	2.7×10^{-3}	3800	Staudinger and Roberts (2001)	L	
C_6H_5Cl	2.7×10^{-3}	3800	Staudinger and Roberts (1996)	L	
[108-90-7]	2.9×10^{-3}		Mackay and Shiu (1981)	L	
	3.7×10^{-3}	4400	Hiatt (2013)	M	
	1.7×10^{-3}	1300	Lau et al. (2010)	M	126
	2.4×10^{-3}		Li et al. (2008)	M	
	1.5×10^{-3}	2300	Lei et al. (2004)	M	127
	2.5×10^{-3}	4300	Dewulf et al. (1999)	M	
	1.9×10^{-3}		Ryu and Park (1999)	M	
	3.6×10^{-3}		Dohnal and Hovorka (1999)	M	9
	3.4×10^{-3}		de Wolf and Lieder (1998)	M	30
	3.2×10^{-3}		Shiu and Mackay (1997)	M	
	3.5×10^{-3}		Hovorka and Dohnal (1997)	M	9
	3.0×10^{-3}	3600	Kondoh and Nakajima (1997)	M	
	1.9×10^{-3}	1700	Park et al. (1997)	M	
	2.9×10^{-3}		Ramachandran et al. (1996)	M	
	3.0×10^{-3}	1900	Khalfaoui and Newsham (1994b)	M	
	2.6×10^{-3}		Hoff et al. (1993)	M	
	3.1×10^{-3}	2900	Ettre et al. (1993)	M	131
	2.5×10^{-3}		Li and Carr (1993)	M	
	3.1×10^{-3}	2000	Cooling et al. (1992)	M	
	2.4×10^{-3}	4700	Bissonette et al. (1990)	M	
	2.5×10^{-3}	2700	Ashworth et al. (1988)	M	109
	2.9×10^{-3}		Hellmann (1987)	M	30
	3.1×10^{-3}		Yurteri et al. (1987)	M	9
	3.2×10^{-3}		Mackay and Shiu (1981)	M	
	3.0×10^{-3}	3500	Leighton and Calo (1981)	M	
	2.9×10^{-3}	4200	Ervin et al. (1980)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.5×10^{-3}		Warner et al. (1980)	M	
	2.6×10^{-3}		Mackay et al. (1979)	M	
	1.6×10^{-3}		Sato and Nakajima (1979b)	M	20
	2.8×10^{-3}	4900	Hartkopf and Karger (1973)	M	
	2.7×10^{-3}		Mackay et al. (2006b)	V	
	2.9×10^{-3}	2400	Fogg and Sangster (2003)	V	
	2.7×10^{-3}		Shiu and Mackay (1997)	V	
	2.8×10^{-3}		Park et al. (1997)	V	
	2.9×10^{-3}		Lide and Frederikse (1995)	V	
	2.7×10^{-3}		Mackay et al. (1993)	V	
	2.7×10^{-3}		Mackay et al. (1992a)	V	
	2.5×10^{-3}		Hwang et al. (1992)	V	
	2.7×10^{-3}		Yoshida et al. (1983)	V	
	2.7×10^{-3}		Cabani et al. (1981)	V	
	2.7×10^{-3}		Warner et al. (1980)	V	
	2.2×10^{-3}		Hine and Mookerjee (1975)	V	
	2.7×10^{-3}		Mackay et al. (1979)	T	
	2.5×10^{-3}	2100	Goldstein (1982)	X	122
	2.7×10^{-3}		Schüürmann (2000)	C	11
	2.7×10^{-3}		Ryan et al. (1988)	C	
	4.0×10^{-3}		Hilal et al. (2008)	Q	
		4000	Kühne et al. (2005)	Q	
	2.8×10^{-3}		Delgado and Alderete (2002)	Q	
	1.5×10^{-3}		Myrdal and Yalkowsky (1994)	Q	
	4.2×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	1.8×10^{-3}		Arbuckle (1983)	Q	
		4000	Kühne et al. (2005)	?	
	2.6×10^{-3}		Mackay et al. (1993)	?	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.2×10^{-3}		Yaws and Yang (1992)	?	98
	2.8×10^{-3}		Abraham et al. (1990)	?	
	3.8×10^{-3}		Mackay and Yeun (1983)	?	
chlorobenzene-d5 C_6D_5Cl [3114-55-4]	3.6×10^{-3}	4500	Hiatt (2013)	M	
1,2-dichlorobenzene	6.8×10^{-3}	5300	Fogg and Sangster (2003)	L	260
$C_6H_4Cl_2$	5.4×10^{-3}	5900	Staudinger and Roberts (2001)	L	
(*o*-dichlorobenzene)	5.4×10^{-3}	5900	Staudinger and Roberts (1996)	L	
[95-50-1]	5.3×10^{-3}		Mackay and Shiu (1981)	L	
	8.0×10^{-3}	4200	Hiatt (2013)	M	
	6.3×10^{-3}		Li et al. (2008)	M	
	4.7×10^{-3}		Ryu and Park (1999)	M	
	5.1×10^{-3}		Shiu and Mackay (1997)	M	
	7.2×10^{-3}		Hovorka and Dohnal (1997)	M	9
	6.2×10^{-3}	5000	Kondoh and Nakajima (1997)	M	
	4.9×10^{-3}	4400	Park et al. (1997)	M	
	4.8×10^{-3}		Li and Carr (1993)	M	
	4.9×10^{-3}	5100	Bissonette et al. (1990)	M	
	5.3×10^{-3}	1400	Ashworth et al. (1988)	M	109
	8.2×10^{-3}		Oliver (1985)	M	
	5.9×10^{-3}	6700	Gossett et al. (1985)	M	
	5.2×10^{-3}		Mackay and Shiu (1981)	M	
	5.1×10^{-3}		Warner et al. (1980)	M	
	3.5×10^{-3}		Sato and Nakajima (1979b)	M	20
	5.6×10^{-3}		Mackay et al. (2006b)	V	
	4.1×10^{-3}		Shiu and Mackay (1997)	V	
	8.6×10^{-3}		Park et al. (1997)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	8.3×10^{-3}		Lide and Frederikse (1995)	V	
	4.1×10^{-3}		Mackay et al. (1992a)	V	
	6.0×10^{-3}		Hwang et al. (1992)	V	
	4.9×10^{-3}		Warner et al. (1980)	V	
	4.0×10^{-3}		Hine and Mookerjee (1975)	V	
	5.2×10^{-3}	2800	Goldstein (1982)	X	122
	5.2×10^{-3}		Schüürmann (2000)	C	11
	2.7×10^{-3}		Ryan et al. (1988)	C	
	8.2×10^{-3}		Hilal et al. (2008)	Q	
		4400	Kühne et al. (2005)	Q	
	7.1×10^{-3}		Delgado and Alderete (2002)	Q	
	2.3×10^{-3}		Myrdal and Yalkowsky (1994)	Q	
	8.4×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
		4800	Kühne et al. (2005)	?	
	3.3×10^{-3}		Yaws and Yang (1992)	?	98
	5.1×10^{-3}		Abraham et al. (1990)	?	
	6.2×10^{-3}		Chiou et al. (1980)	?	28
1,2-dichlorobenzene-d4 $C_6D_4Cl_2$ (*o*-dichlorobenzene-d4) [2199-69-1]	8.2×10^{-3}	4200	Hiatt (2013)	M	
1,3-dichlorobenzene	3.4×10^{-3}	4300	Fogg and Sangster (2003)	L	
$C_6H_4Cl_2$	2.8×10^{-3}		Mackay and Shiu (1981)	L	
(*m*-dichlorobenzene)	5.2×10^{-3}	4800	Hiatt (2013)	M	
[541-73-1]	2.9×10^{-3}		Li et al. (2008)	M	
	3.7×10^{-3}		de Wolf and Lieder (1998)	M	30
	4.7×10^{-3}		Hovorka and Dohnal (1997)	M	9
	3.8×10^{-3}	4400	Kondoh and Nakajima (1997)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	3.4×10^{-3}		Hoff et al. (1993)	M	
	3.0×10^{-3}	2600	Ashworth et al. (1988)	M	109
	5.5×10^{-3}		Oliver (1985)	M	
	3.8×10^{-3}		Warner et al. (1980)	M	
	2.1×10^{-3}		Sato and Nakajima (1979b)	M	20
	3.1×10^{-3}		Mackay et al. (2006b)	V	
	2.7×10^{-3}		Shiu and Mackay (1997)	V	
	5.6×10^{-3}		Lide and Frederikse (1995)	V	
	2.7×10^{-3}		Mackay et al. (1992a)	V	
	3.3×10^{-3}		Warner et al. (1980)	V	
	2.1×10^{-3}		Hine and Mookerjee (1975)	V	
	3.9×10^{-3}	2400	Goldstein (1982)	X	122
	3.7×10^{-3}		Ryan et al. (1988)	C	
	4.7×10^{-3}		Hilal et al. (2008)	Q	
		4100	Kühne et al. (2005)	Q	
	4.5×10^{-3}		Delgado and Alderete (2002)	Q	
	2.3×10^{-3}		Myrdal and Yalkowsky (1994)	Q	
	8.4×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
		4500	Kühne et al. (2005)	?	
	3.0×10^{-3}		Yaws and Yang (1992)	?	98
	2.7×10^{-3}		Abraham et al. (1990)	?	
1,4-dichlorobenzene	4.5×10^{-3}	4400	Fogg and Sangster (2003)	L	
$C_6H_4Cl_2$	6.2×10^{-3}		Mackay and Shiu (1981)	L	
(*p*-dichlorobenzene)	5.8×10^{-3}	4600	Hiatt (2013)	M	
[106-46-7]	3.3×10^{-3}		Li et al. (2008)	M	
	2.5×10^{-3}		Chiang et al. (1998)	M	9
	4.1×10^{-3}		Shiu and Mackay (1997)	M	
	5.4×10^{-3}		Hovorka and Dohnal (1997)	M	9

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	4.7×10^{-3}	4800	Kondoh and Nakajima (1997)	M	
	3.1×10^{-3}	2700	Ashworth et al. (1988)	M	109
	5.2×10^{-3}		Yurteri et al. (1987)	M	9
	6.6×10^{-3}		Oliver (1985)	M	
	4.2×10^{-3}		Mackay and Shiu (1981)	M	
	3.6×10^{-3}		Warner et al. (1980)	M	
	4.1×10^{-3}		Mackay et al. (2006b)	V	
	6.3×10^{-3}		Shiu and Mackay (1997)	V	
	6.7×10^{-3}		Lide and Frederikse (1995)	V	
	6.3×10^{-3}		Mackay et al. (1992a)	V	
	3.8×10^{-3}		Suntio et al. (1988)	V	9
	2.2×10^{-3}		Hine and Mookerjee (1975)	V	
	3.7×10^{-3}	2700	Goldstein (1982)	X	122
	4.1×10^{-3}		Schüürmann (2000)	C	11
	4.1×10^{-3}		Ryan et al. (1988)	C	
	6.5×10^{-3}		Hilal et al. (2008)	Q	
		4100	Kühne et al. (2005)	Q	
	4.1×10^{-3}		Delgado and Alderete (2002)	Q	
	2.3×10^{-3}		Myrdal and Yalkowsky (1994)	Q	
	8.4×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	2.1×10^{-3}		Arbuckle (1983)	Q	
		3700	Kühne et al. (2005)	?	
	2.3×10^{-3}		Yaws and Yang (1992)	?	98
	3.8×10^{-3}		Abraham et al. (1990)	?	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3-trichlorobenzene	1.5×10^{-2}	4800	Hiatt (2013)	M	
$C_6H_3Cl_3$	6.3×10^{-3}	4600	Brockbank et al. (2013)	M	
[87-61-6]	8.0×10^{-3}		Lee et al. (2012)	M	
	3.6×10^{-3}	4200	Dewulf et al. (1999)	M	
	7.9×10^{-3}		Shiu and Mackay (1997)	M	
	1.5×10^{-2}	7300	Kondoh and Nakajima (1997)	M	
	1.4×10^{-2}		ten Hulscher et al. (1992)	M	9
	1.1×10^{-2}		Oliver (1985)	M	
	7.9×10^{-3}		Mackay and Shiu (1981)	M	
	4.1×10^{-3}		Mackay et al. (2006b)	V	
	5.8×10^{-3}		Fogg and Sangster (2003)	V	
	2.1×10^{-3}		Fogg and Sangster (2003)	V	
	4.1×10^{-3}		Shiu and Mackay (1997)	V	
	3.3×10^{-3}		Abraham et al. (1994)	V	
	4.1×10^{-3}		Mackay et al. (1992a)	V	
	4.3×10^{-3}		Mackay and Shiu (1981)	V	
	4.5×10^{-3}		Zhang et al. (2010)	Q	113, 114
	6.9×10^{-3}		Zhang et al. (2010)	Q	113, 115
	1.6×10^{-2}		Zhang et al. (2010)	Q	113, 116
	5.2×10^{-3}		Zhang et al. (2010)	Q	113, 117
	8.0×10^{-3}		Hilal et al. (2008)	Q	
		4800	Kühne et al. (2005)	Q	
	1.1×10^{-2}		Delgado and Alderete (2002)	Q	
	3.5×10^{-3}		Myrdal and Yalkowsky (1994)	Q	
	1.8×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
		4200	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3-trichlorobenzene-d3 $C_6D_3Cl_3$ [3907-98-0]	1.5×10^{-2}	4600	Hiatt (2013)	M	
1,2,4-trichlorobenzene	1.1×10^{-2}	5100	Hiatt (2013)	M	
$C_6H_3Cl_3$	5.8×10^{-3}		Lee et al. (2012)	M	
[120-82-1]	2.4×10^{-3}	3500	Dewulf et al. (1999)	M	261
	2.7×10^{-3}		Ryu and Park (1999)	M	
	6.5×10^{-3}	5500	Kondoh and Nakajima (1997)	M	
	9.9×10^{-3}		ten Hulscher et al. (1992)	M	9
	4.6×10^{-3}	4000	Ashworth et al. (1988)	M	109
	8.2×10^{-3}		Oliver (1985)	M	
	7.0×10^{-3}		Warner et al. (1980)	M	
			Mackay et al. (2006b)	V	258
	7.1×10^{-3}		Fogg and Sangster (2003)	V	
	8.6×10^{-3}		Fogg and Sangster (2003)	V	
	3.6×10^{-3}		Shiu and Mackay (1997)	V	
	7.1×10^{-3}		Lide and Frederikse (1995)	V	
	3.6×10^{-3}		Mackay et al. (1992a)	V	
	4.8×10^{-3}		McLachlan et al. (1990)	V	148
	2.5×10^{-3}		Yoshida et al. (1983)	V	
	2.6×10^{-3}		Mackay and Shiu (1981)	V	
	4.3×10^{-3}		Warner et al. (1980)	V	
	7.0×10^{-3}		Goldstein (1982)	X	158
	7.0×10^{-3}	2500	Goldstein (1982)	X	122
	6.9×10^{-3}		Meylan and Howard (1991)	C	
	4.2×10^{-4}		Ryan et al. (1988)	C	
	4.5×10^{-3}		Zhang et al. (2010)	Q	113, 114
	7.7×10^{-3}		Zhang et al. (2010)	Q	113, 115

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.5×10^{-2}		Zhang et al. (2010)	Q	113, 116
	4.6×10^{-3}		Zhang et al. (2010)	Q	113, 117
	9.9×10^{-3}		Hilal et al. (2008)	Q	
		4500	Kühne et al. (2005)	Q	
	6.7×10^{-3}		Delgado and Alderete (2002)	Q	
	1.6×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	3.5×10^{-3}		Myrdal and Yalkowsky (1994)	Q	
	4.5×10^{-3}		Meylan and Howard (1991)	Q	
		3200	Kühne et al. (2005)	?	
1,2,4-trichlorobenzene-d3 $C_6D_3Cl_3$ [2199-72-6]	9.8×10^{-3}	4600	Hiatt (2013)	M	
1,3,5-trichlorobenzene	1.8×10^{-3}	4100	Dewulf et al. (1999)	M	262
$C_6H_3Cl_3$	5.2×10^{-3}		ten Hulscher et al. (1992)	M	9
[108-70-3]	3.5×10^{-2}		Hellmann (1987)	M	30
	5.2×10^{-3}		Oliver (1985)	M	
			Mackay et al. (2006b)	V	258
	1.4×10^{-3}		Fogg and Sangster (2003)	V	
	8.5×10^{-4}		Fogg and Sangster (2003)	V	
	9.1×10^{-4}		Shiu and Mackay (1997)	V	
	1.0×10^{-2}		Lide and Frederikse (1995)	V	
	1.5×10^{-3}		Abraham et al. (1994)	V	
	9.1×10^{-4}		Mackay et al. (1992a)	V	
	6.2×10^{-3}		Mackay and Shiu (1981)	V	
	4.6×10^{-3}		Hilal et al. (2008)	Q	
		4200	Kühne et al. (2005)	Q	
	4.6×10^{-3}		Delgado and Alderete (2002)	Q	
	1.6×10^{-2}		Nirmalakhandan et al. (1997)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	3.5×10^{-3}		Myrdal and Yalkowsky (1994)	Q	
	4.5×10^{-3}		Meylan and Howard (1991)	Q	
		4400	Kühne et al. (2005)	?	
1,2,3,4-tetrachlorobenzene	3.5×10^{-3}		Ryu and Park (1999)	M	
$C_6H_2Cl_4$	1.3×10^{-2}	4800	ten Hulscher et al. (1992)	M	
[634-66-2]	5.7×10^{-2}		Hellmann (1987)	M	30
	1.4×10^{-2}		Oliver (1985)	M	
	9.0×10^{-3}		Mackay et al. (2006b)	V	
	6.9×10^{-3}		Shiu and Mackay (1997)	V	
	6.9×10^{-3}		Mackay et al. (1992a)	V	
	5.8×10^{-3}		McLachlan et al. (1990)	V	148
	3.8×10^{-3}		Mackay and Shiu (1981)	V	
	6.1×10^{-3}		Zhang et al. (2010)	Q	113, 114
	7.7×10^{-3}		Zhang et al. (2010)	Q	113, 115
	2.1×10^{-2}		Zhang et al. (2010)	Q	113, 116
	4.6×10^{-3}		Zhang et al. (2010)	Q	113, 117
	8.6×10^{-3}		Hilal et al. (2008)	Q	
		5200	Kühne et al. (2005)	Q	
	1.1×10^{-2}		Delgado and Alderete (2002)	Q	
	5.7×10^{-3}		Myrdal and Yalkowsky (1994)	Q	
	6.1×10^{-3}		Meylan and Howard (1991)	Q	
		4500	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3,5-tetrachlorobenzene	6.3×10^{-3}		Shiu and Mackay (1997)	M	
$C_6H_2Cl_4$	1.0×10^{-2}		ten Hulscher et al. (1992)	M	9
[634-90-2]	6.3×10^{-3}		Mackay and Shiu (1981)	M	
	1.7×10^{-3}		Mackay et al. (2006b)	V	
	2.1×10^{-3}		Fogg and Sangster (2003)	V	
	1.8×10^{-3}		Fogg and Sangster (2003)	V	
	1.7×10^{-3}		Shiu and Mackay (1997)	V	
	1.7×10^{-3}		Mackay et al. (1992a)	V	
	1.7×10^{-3}		Mackay and Shiu (1981)	V	
	6.3×10^{-3}		Meylan and Howard (1991)	C	
	7.7×10^{-3}		Hilal et al. (2008)	Q	
	7.1×10^{-3}		Delgado and Alderete (2002)	Q	
	3.2×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	5.7×10^{-3}		Myrdal and Yalkowsky (1994)	Q	
	6.1×10^{-3}		Meylan and Howard (1991)	Q	
	2.4×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
1,2,4,5-tetrachlorobenzene	1.8×10^{-2}		McPhedran et al. (2013)	M	
$C_6H_2Cl_4$	6.6×10^{-3}		Lee et al. (2012)	M	
[95-94-3]	9.9×10^{-3}		Oliver (1985)	M	
	8.2×10^{-3}		Mackay et al. (2006b)	V	
	2.8×10^{-4}		Fogg and Sangster (2003)	V	
	1.1×10^{-3}		Fogg and Sangster (2003)	V	
	8.2×10^{-3}		Shiu and Mackay (1997)	V	
	8.2×10^{-3}		Mackay et al. (1992a)	V	
	3.8×10^{-3}		Mackay and Shiu (1981)	V	
	6.1×10^{-3}		Zhang et al. (2010)	Q	113, 114

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	8.4×10^{-3}		Zhang et al. (2010)	Q	113, 115
	1.8×10^{-2}		Zhang et al. (2010)	Q	113, 116
	4.8×10^{-3}		Zhang et al. (2010)	Q	113, 117
	9.2×10^{-3}		Hilal et al. (2008)	Q	
	6.8×10^{-3}		Delgado and Alderete (2002)	Q	
	3.2×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	5.7×10^{-3}		Myrdal and Yalkowsky (1994)	Q	
	6.1×10^{-3}		Meylan and Howard (1991)	Q	
pentachlorobenzene	1.4×10^{-2}	5200	Shen and Wania (2005)	L	143
C_6HCl_5	1.4×10^{-2}	5600	Shen and Wania (2005)	L	144
[608-93-5]	3.0×10^{-2}		McPhedran et al. (2013)	M	
	5.6×10^{-3}		Lee et al. (2012)	M	
	1.4×10^{-2}	5200	ten Hulscher et al. (1992)	M	
	2.0×10^{-1}		Hellmann (1987)	M	30
	1.4×10^{-2}		Oliver (1985)	M	
	1.2×10^{-2}		Mackay et al. (2006b)	V	
	3.5×10^{-2}		Fogg and Sangster (2003)	V	
	2.4×10^{-2}		Fogg and Sangster (2003)	V	
	1.2×10^{-2}		Shiu and Mackay (1997)	V	
	1.2×10^{-2}		Mackay et al. (1992a)	V	
	1.0×10^{-3}		Mackay and Shiu (1981)	V	
	8.2×10^{-3}		Zhang et al. (2010)	Q	113, 114
	6.9×10^{-3}		Zhang et al. (2010)	Q	113, 115
	1.8×10^{-2}		Zhang et al. (2010)	Q	113, 116
	7.0×10^{-3}		Zhang et al. (2010)	Q	113, 117
	7.2×10^{-3}		Hilal et al. (2008)	Q	
		5700	Kühne et al. (2005)	Q	
	7.9×10^{-3}		Delgado and Alderete (2002)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	9.4×10^{-3}		Myrdal and Yalkowsky (1994)	Q	
		5100	Kühne et al. (2005)	?	
hexachlorobenzene	1.9×10^{-2}	6000	Shen and Wania (2005)	L	143
C_6Cl_6	1.5×10^{-2}	6400	Shen and Wania (2005)	L	144
[118-74-1]	3.3×10^{-2}		McPhedran et al. (2013)	M	
	7.6×10^{-3}		Lee et al. (2012)	M	
	3.0×10^{-2}	6900	Jantunen and Bidleman (2006)	M	
	4.2×10^{-2}		Altschuh et al. (1999)	M	
	3.8×10^{-5}	570	Hansen et al. (1993)	M	111
	2.0×10^{-2}	5700	ten Hulscher et al. (1992)	M	
	2.6		Hellmann (1987)	M	30
	2.1×10^{-2}		Oliver (1985)	M	
	1.4×10^{-2}		Atlas et al. (1983)	M	129
	7.5×10^{-3}		Atlas et al. (1982)	M	255
	5.8×10^{-3}		Warner et al. (1980)	M	
	7.6×10^{-3}		Mackay et al. (2006b)	V	
	7.6×10^{-3}		Shiu and Mackay (1997)	V	
	7.7×10^{-3}		Lide and Frederikse (1995)	V	
	7.6×10^{-3}		Mackay et al. (1992a)	V	
	7.1×10^{-3}		Ballschmiter and Wittlinger (1991)	V	
	1.1×10^{-2}		Calamari et al. (1991)	V	9
	1.4×10^{-1}		Riederer (1990)	V	
	2.5×10^{-2}		McLachlan et al. (1990)	V	148
	1.4×10^{-1}		Suntio et al. (1988)	V	9
	1.6×10^{-2}		Yoshida et al. (1983)	V	
	2.0×10^{-1}		Mackay and Shiu (1981)	V	
	3.0×10^{-3}	3700	Paasivirta et al. (1999)	T	
	5.8×10^{-3}	1600	Goldstein (1982)	X	122

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	7.2×10^{-3}		Bobra et al. (1985)	X	263
	1.0×10^{-2}		Hilal et al. (2008)	C	
	1.5×10^{-2}		Suntio et al. (1988)	C	9
	5.8×10^{-3}		Ryan et al. (1988)	C	
	1.1×10^{-2}		Zhang et al. (2010)	Q	113, 114
	6.1×10^{-3}		Zhang et al. (2010)	Q	113, 115
	1.6×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.0×10^{-2}		Zhang et al. (2010)	Q	113, 117
	2.0×10^{-2}		Hilal et al. (2008)	Q	
		6400	Kühne et al. (2005)	Q	
	6.5×10^{-3}		Delgado and Alderete (2002)	Q	
	1.6×10^{-2}		Myrdal and Yalkowsky (1994)	Q	
	8.6×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
		7200	Kühne et al. (2005)	?	
	2.4×10^{-5}		Yaws and Yang (1992)	?	98
(chloromethyl)-benzene	2.0×10^{-2}	7200	Hiatt (2013)	M	
$C_6H_5CH_2Cl$	2.8×10^{-2}		Hovorka and Dohnal (1997)	M	9
(benzylchloride)	1.2×10^{-2}		Li and Carr (1993)	M	
[100-44-7]	2.9×10^{-2}		Lide and Frederikse (1995)	V	
	1.6×10^{-2}		Mackay and Shiu (1981)	V	
	3.0×10^{-2}		Hilal et al. (2008)	Q	
	1.0×10^{-2}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-chloro-2-methylbenzene	3.2×10^{-3}	4100	Hiatt (2013)	M	
C_7H_7Cl	2.4×10^{-3}	3400	Kondoh and Nakajima (1997)	M	
(*o*-chlorotoluene)	2.8×10^{-3}	3500	Leighton and Calo (1981)	M	
[95-49-8]	1.9×10^{-2}	3000	Goldstein (1982)	X	122
	2.8×10^{-3}		Schüürmann (2000)	C	11
	4.3×10^{-3}		Hilal et al. (2008)	Q	
		4400	Kühne et al. (2005)	Q	
	3.1×10^{-3}		Nirmalakhandan et al. (1997)	Q	
		4900	Kühne et al. (2005)	?	
	2.8×10^{-3}		Abraham et al. (1990)	?	
1-chloro-3-methylbenzene	6.2×10^{-4}		Schüürmann (2000)	V	
C_7H_7Cl	3.8×10^{-3}		Hilal et al. (2008)	Q	
(*m*-chlorotoluene)		4400	Kühne et al. (2005)	Q	
[108-41-8]		4800	Kühne et al. (2005)	?	
1-chloro-4-methylbenzene	4.1×10^{-3}	4200	Hiatt (2013)	M	
C_7H_7Cl	2.9×10^{-3}	3900	Kondoh and Nakajima (1997)	M	
(*p*-chlorotoluene)	4.0×10^{-3}		Hilal et al. (2008)	Q	
[106-43-4]		4400	Kühne et al. (2005)	Q	
		4300	Kühne et al. (2005)	?	
(dichloromethyl)-benzene	1.3×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_7H_6Cl_2$	3.4×10^{-2}		Zhang et al. (2010)	Q	113, 115
[98-87-3]	1.1×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.0×10^{-2}		Zhang et al. (2010)	Q	113, 117
	3.9×10^{-2}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2-dichloro-4-methylbenzene $C_7H_6Cl_2$ [95-75-0]	7.9×10^{-3}		Hilal et al. (2008)	Q	
1,3-dichloro-2-methylbenzene	3.1×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_7H_6Cl_2$	8.6×10^{-3}		Zhang et al. (2010)	Q	113, 115
[118-69-4]	4.2×10^{-3}		Zhang et al. (2010)	Q	113, 116
	1.8×10^{-3}		Zhang et al. (2010)	Q	113, 117
1-methyl-2,4-dichlorobenzene	2.7×10^{-3}	4900	Brockbank et al. (2013)	M	
$C_7H_6Cl_2$	3.1×10^{-3}		Zhang et al. (2010)	Q	113, 114
(2,4-dichlorotoluene)	5.4×10^{-3}		Zhang et al. (2010)	Q	113, 115
[95-73-8]	6.7×10^{-3}		Zhang et al. (2010)	Q	113, 116
	1.8×10^{-3}		Zhang et al. (2010)	Q	113, 117
		4400	Kühne et al. (2005)	Q	
		5500	Kühne et al. (2005)	?	
1-methyl-2,4,5-trichlorobenzene	6.6×10^{-3}		Oliver (1985)	M	
$C_7H_5Cl_3$	1.2×10^{-2}		Hilal et al. (2008)	Q	
(2,4,5-Trichlorotoluene) [6639-30-1]	4.1×10^{-3}		Meylan and Howard (1991)	Q	
1-methyl-2,3,6-trichlorobenzene	6.6×10^{-3}		Oliver (1985)	M	
$C_7H_5Cl_3$	1.4×10^{-2}		Hilal et al. (2008)	Q	
(2,3,6-Trichlorotoluene) [2077-46-5]	4.1×10^{-3}		Meylan and Howard (1991)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
pentachloromethylbenzene	1.3×10^{-2}		Oliver (1985)	M	
$C_7H_3Cl_5$	1.6×10^{-2}		Hilal et al. (2008)	Q	
(2,3,4,5,6-pentachlorotoluene) [877-11-2]	7.4×10^{-3}		Meylan and Howard (1991)	Q	
1-chloro-2-(chloromethyl)benzene	6.4×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_7H_6Cl_2$	7.2×10^{-2}		Zhang et al. (2010)	Q	113, 115
[611-19-8]	2.1×10^{-1}		Zhang et al. (2010)	Q	113, 116
	6.1×10^{-3}		Zhang et al. (2010)	Q	113, 117
1-chloro-4-(chloromethyl)benzene	6.4×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_7H_6Cl_2$	7.5×10^{-2}		Zhang et al. (2010)	Q	113, 115
[104-83-6]	8.2×10^{-2}		Zhang et al. (2010)	Q	113, 116
	6.1×10^{-3}		Zhang et al. (2010)	Q	113, 117
chloro(dichloromethyl) benzene	1.8×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_7H_5Cl_3$	7.3×10^{-2}		Zhang et al. (2010)	Q	113, 115
[88-66-4]	5.4×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.3×10^{-2}		Zhang et al. (2010)	Q	113, 117
(trichloromethyl)-benzene	3.8×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_7H_5Cl_3$	7.2×10^{-3}		Zhang et al. (2010)	Q	113, 115
[98-07-7]	2.0×10^{-2}		Zhang et al. (2010)	Q	113, 116
	4.7×10^{-3}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-chloro-4-(trichloromethyl)benzene	5.1×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_7H_4Cl_4$	1.8×10^{-2}		Zhang et al. (2010)	Q	113, 115
[5216-25-1]	3.4×10^{-2}		Zhang et al. (2010)	Q	113, 116
	6.9×10^{-3}		Zhang et al. (2010)	Q	113, 117
1,4-dichloro-2,5-dimethylbenzene	2.7×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_8H_8Cl_2$	1.2×10^{-2}		Zhang et al. (2010)	Q	113, 115
[1124-05-6]	4.6×10^{-3}		Zhang et al. (2010)	Q	113, 116
	2.3×10^{-3}		Zhang et al. (2010)	Q	113, 117
1,4-bis(trichloromethyl)benzene	7.9×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_8H_4Cl_6$	3.7×10^{-2}		Zhang et al. (2010)	Q	113, 115
[68-36-0]	1.1×10^{-1}		Zhang et al. (2010)	Q	113, 116
	5.8×10^{-3}		Zhang et al. (2010)	Q	113, 117
α,α-dichloro-*o*-xylene $C_8H_8Cl_2$ [612-12-4]	1.0×10^{-1}	11000	Hiatt (2013)	M	
2-chlorostyrene C_8H_7Cl [2039-87-4]	6.2×10^{-3}		Hilal et al. (2008)	Q	
octachlorostyrene	7.6×10^{-2}		Oliver (1985)	M	
C_8Cl_8	1.6×10^{-2}		Hilal et al. (2008)	Q	
[29082-74-4]	4.3×10^{-2}		Meylan and Howard (1991)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-chloronaphthalene	2.8×10^{-2}		Shiu and Mackay (1997)	M	
$C_{10}H_7Cl$	2.8×10^{-3}		Mackay and Shiu (1981)	M	
[90-13-1]	4.7×10^{-2}		Yaws et al. (2005)	X	158
	5.7×10^{-2}		Hilal et al. (2008)	Q	
	6.5×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
2-chloronaphthalene	3.0×10^{-2}		Shiu and Mackay (1997)	M	
$C_{10}H_7Cl$	3.1×10^{-2}		Mackay and Shiu (1981)	M	
[91-58-7]	1.5×10^{-2}		Hwang et al. (1992)	V	
	1.6×10^{-2}	3800	Goldstein (1982)	X	122
	3.1×10^{-2}		Ryan et al. (1988)	C	
	6.0×10^{-2}		Hilal et al. (2008)	Q	
	6.5×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
heptachlor	3.3×10^{-2}		Shen and Wania (2005)	L	143
$C_{10}H_5Cl_7$	2.6×10^{-2}		Shen and Wania (2005)	L	144
[76-44-8]	1.9×10^{-2}	4300	Cetin et al. (2006)	M	
	3.4×10^{-2}		Altschuh et al. (1999)	M	
	6.7×10^{-3}		Warner et al. (1980)	M	
	2.8×10^{-3}		Mackay et al. (2006d)	V	
	8.9×10^{-3}		Suntio et al. (1988)	V	9
	4.3×10^{-3}		McCarty (1980)	X	145
	6.7×10^{-3}		Meylan and Howard (1991)	C	
	6.5×10^{-3}		Ryan et al. (1988)	C	
	2.4×10^{-2}		Hilal et al. (2008)	Q	
	5.6×10^{-2}		Meylan and Howard (1991)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,3-dichloronaphthalene	3.4×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_6Cl_2$	7.0×10^{-2}		Zhang et al. (2010)	Q	113, 115
[2198-75-6]	4.2×10^{-2}		Zhang et al. (2010)	Q	113, 116
	4.7×10^{-2}		Zhang et al. (2010)	Q	113, 117
1-chloro-2-methyl-2-phenylpropane	2.0×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_{13}Cl$	9.5×10^{-3}		Zhang et al. (2010)	Q	113, 115
[515-40-2]	1.6×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.6×10^{-3}		Zhang et al. (2010)	Q	113, 117
1,3-dichloro-5-[(2S)-2,4,4,4-tetrachlorobutan-2-yl]benzene	8.4×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_8Cl_6$	6.1×10^{-2}		Zhang et al. (2010)	Q	113, 115
[73588-42-8]	1.5		Zhang et al. (2010)	Q	113, 116
	2.9×10^{-3}		Zhang et al. (2010)	Q	113, 117
1,1-dichloro-2,2-bis-(4-chlorophenyl)-ethane	1.5		Shen and Wania (2005)	L	143
$C_{14}H_{10}Cl_4$	2.0		Shen and Wania (2005)	L	144
(p,p'-DDD)	9.1×10^{-1}	5100	Cetin et al. (2006)	M	
[72-54-8]	1.5		Altschuh et al. (1999)	M	
			Mackay et al. (2006d)	V	226
	1.1×10^{-1}		Ballschmiter and Wittlinger (1991)	V	
	1.6		Suntio et al. (1988)	V	9
	4.6×10^{-1}		Yoshida et al. (1983)	V	
	2.9×10^{-2}	7300	Paasivirta et al. (1999)	T	
	8.1×10^{-4}		Ryan et al. (1988)	C	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.1		Hilal et al. (2008)	Q	
mitotane	1.6		Suntio et al. (1988)	V	9
$C_{14}H_{10}Cl_4$	5.6×10^{2}		Suntio et al. (1988)	C	264
(o,p'-DDD)	2.3×10^{-1}		Zhang et al. (2010)	Q	113, 114
[53-19-0]	1.6		Zhang et al. (2010)	Q	113, 115
	1.1×10^{1}		Zhang et al. (2010)	Q	113, 116
	3.9×10^{-1}		Zhang et al. (2010)	Q	113, 117
1,1-dichloro-2,2-bis-(4-chlorophenyl)-ethene	2.4×10^{-1}		Shen and Wania (2005)	L	143
$C_{14}H_8Cl_4$	2.4×10^{-1}		Shen and Wania (2005)	L	144
(p,p'-DDE)	2.9×10^{-2}	4700	Jantunen and Bidleman (2006)	M	
[72-55-9]	1.6×10^{-1}	7700	Cetin et al. (2006)	M	
	2.4×10^{-1}		Altschuh et al. (1999)	M	
	8.1×10^{-3}		Atlas et al. (1982)	M	255
			Mackay et al. (2006d)	V	226
	2.9×10^{-2}		Ballschmiter and Wittlinger (1991)	V	
	1.6×10^{-1}		Calamari et al. (1991)	V	9
	7.6×10^{-1}		McLachlan et al. (1990)	V	148
	1.3×10^{-1}		Suntio et al. (1988)	V	9
	5.1×10^{-2}		Yoshida et al. (1983)	V	
	2.6×10^{-2}	7600	Paasivirta et al. (1999)	T	
	4.5×10^{-1}		Suntio et al. (1988)	C	257
	4.5×10^{-1}		Ryan et al. (1988)	C	
	1.8×10^{-1}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
o,p'-DDE	3.9×10^{-1}		Mackay et al. (2006d)	V	
$C_{14}H_8Cl_4$	3.9×10^{-1}		Suntio et al. (1988)	V	9
[3424-82-6]	1.4×10^{-1}		Suntio et al. (1988)	C	9
1,1,1-trichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl)ethane	2.9		Mackay et al. (2006d)	V	
$C_{14}H_9Cl_5$ (o,p'-DDT) [789-02-6]	1.9×10^{-2}		Calamari et al. (1991)	V	9
1,1,1-trichloro-2,2-bis-(4-chlorophenyl)-ethane	9.1×10^{-1}		Shen and Wania (2005)	L	143
$C_{14}H_9Cl_5$	9.1×10^{-1}		Shen and Wania (2005)	L	144
(DDT; p,p'-DDT)	1.9×10^{-1}		Mackay and Shiu (1981)	L	
[50-29-3]	9.0×10^{-1}	7500	Cetin et al. (2006)	M	
	1.2		Altschuh et al. (1999)	M	
	7.7×10^{-1}		Fendinger et al. (1989)	M	129
	1.2		Fendinger et al. (1989)	M	246
			Mackay et al. (2006d)	V	226
	1.7×10^{-1}		Ballschmiter and Wittlinger (1991)	V	
	3.4×10^{-1}		Calamari et al. (1991)	V	9
	4.2×10^{-1}		Suntio et al. (1988)	V	9
	6.1×10^{-1}		Caron et al. (1985)	V	
	3.7×10^{-1}		Yoshida et al. (1983)	V	
	1.3×10^{-1}		Burkhard and Guth (1981)	V	
	2.5×10^{-1}		Mackay and Leinonen (1975)	V	
	1.9×10^{-2}	7800	Paasivirta et al. (1999)	T	
	1.7×10^{-1}		Suntio et al. (1988)	C	257
	2.0×10^{-1}		Ryan et al. (1988)	C	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	6.4×10^{-1}		Zhang et al. (2010)	Q	113, 114
	6.2×10^{-1}		Zhang et al. (2010)	Q	113, 115
	1.6×10^{1}		Zhang et al. (2010)	Q	113, 116
	2.0×10^{-1}		Zhang et al. (2010)	Q	113, 117
	6.7×10^{-1}		Hilal et al. (2008)	Q	
	2.8×10^{-1}		Brimblecombe (1986)	?	91
aldrin	6.7×10^{-2}		Shen and Wania (2005)	L	143
$C_{12}H_8Cl_6$	4.3×10^{-2}		Shen and Wania (2005)	L	144
[309-00-2]	3.6×10^{-1}		Mackay and Shiu (1981)	L	
	2.2×10^{-2}	3900	Cetin et al. (2006)	M	
	2.2×10^{-1}		Altschuh et al. (1999)	M	
	2.0×10^{-2}		Warner et al. (1980)	M	
	1.1×10^{-2}		Mackay et al. (2006d)	V	
	1.1×10^{-2}		Suntio et al. (1988)	V	9
	6.9×10^{-1}		Mackay and Leinonen (1975)	V	
	2.0×10^{-2}		Hilal et al. (2008)	C	
	2.0×10^{-2}		Meylan and Howard (1991)	C	
	7.0×10^{-1}		Suntio et al. (1988)	C	9
	6.1×10^{-1}		Suntio et al. (1988)	C	
	2.6×10^{-2}		Suntio et al. (1988)	C	257
	2.0×10^{-2}		Suntio et al. (1988)	C	9
	8.2×10^{-1}		Ryan et al. (1988)	C	
	8.6×10^{-3}		Hilal et al. (2008)	Q	
	2.6×10^{-2}		Meylan and Howard (1991)	Q	
	8.4×10^{-1}		Brimblecombe (1986)	?	91

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
hexachlorocyclopentadiene	3.7×10^{-4}		Wolfe et al. (1982)	M	
C_5Cl_6	6.0×10^{-4}		Warner et al. (1980)	M	
[77-47-4]	6.1×10^{-4}		Mackay et al. (2006b)	V	
	6.0×10^{-4}		Mackay et al. (1993)	V	
	6.2×10^{-4}		Wolfe et al. (1982)	V	
	2.7×10^{-4}		Warner et al. (1980)	V	
	6.0×10^{-4}	1500	Goldstein (1982)	X	122
	2.7×10^{-4}		Ryan et al. (1988)	C	
	4.6×10^{-3}		Zhang et al. (2010)	Q	113, 114
	5.3×10^{-3}		Zhang et al. (2010)	Q	113, 115
	1.4×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.6×10^{-2}		Zhang et al. (2010)	Q	113, 117
	2.3×10^{-3}		Hilal et al. (2008)	Q	
mirex	1.2×10^{-2}	11000	Yin and Hassett (1986)	M	
$C_{10}Cl_{12}$	1.2×10^{-3}		Mackay et al. (2006d)	V	
(dodecachloropenta-cyclodecane)	5.8×10^{-2}		McLachlan et al. (1990)	V	148
[2385-85-5]	1.2×10^{-3}		Suntio et al. (1988)	V	9
	9.9×10^{-4}		Suntio et al. (1988)	C	9
	3.9×10^{-3}		Hilal et al. (2008)	Q	
		10000	Kühne et al. (2005)	Q	
		11000	Kühne et al. (2005)	?	

Polychlorinated biphenyls (PCBs)

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-chlorobiphenyl	3.0×10^{-2}		Lau et al. (2006)	M	265
$C_{12}H_9Cl$	2.3×10^{-2}		Lau et al. (2006)	M	266
(PCB-1)	3.0×10^{-2}	5300	Charles and Destaillats (2005)	M	
[2051-60-7]	4.9×10^{-2}	5100	Bamford et al. (2000)	M	
	1.7×10^{-2}	5300	Paasivirta and Sinkkonen (2009)	V	
	1.4×10^{-2}		Mackay et al. (2006b)	V	
	1.4×10^{-2}		Mackay et al. (1992a)	V	
	2.7×10^{-3}		Hwang et al. (1992)	V	
	1.4×10^{-2}		Shiu and Mackay (1986)	V	
	2.3×10^{-2}		Hilal et al. (2008)	Q	
	1.7×10^{-2}		Fang Lee (2007)	Q	267
	2.2×10^{-2}		Fang Lee (2007)	Q	268
		4600	Kühne et al. (2005)	Q	
	3.3×10^{-2}		Dunnivant et al. (1992)	Q	
		5400	Kühne et al. (2005)	?	
3-chlorobiphenyl	3.2×10^{-2}	5400	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_9Cl$	1.3×10^{-2}		Mackay et al. (2006b)	V	
(PCB-2)	1.3×10^{-2}		Mackay et al. (1992a)	V	
[2051-61-8]	1.3×10^{-2}		Shiu and Mackay (1986)	V	
	3.7×10^{-2}		Hilal et al. (2008)	Q	
	3.7×10^{-2}		Fang Lee (2007)	Q	267
	3.1×10^{-2}		Fang Lee (2007)	Q	268
	3.5×10^{-2}		Dunnivant et al. (1992)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-chlorobiphenyl	2.8×10^{-2}	5700	Li et al. (2003)	L	143
$C_{12}H_9Cl$	4.2×10^{-2}	6100	Li et al. (2003)	L	144
(PCB-3)	3.6×10^{-2}		Lau et al. (2006)	M	265
[2051-62-9]	2.9×10^{-2}		Lau et al. (2006)	M	266
	3.5×10^{-2}	6700	Charles and Destaillats (2005)	M	
	5.6×10^{-2}	6700	Bamford et al. (2002)	M	
	1.4×10^{-2}	5100	Paasivirta and Sinkkonen (2009)	V	
	2.3×10^{-2}		Mackay et al. (2006b)	V	
	2.3×10^{-2}		Mackay et al. (1992a)	V	
	2.3×10^{-2}		Shiu and Mackay (1986)	V	
	3.9×10^{-2}		Hilal et al. (2008)	Q	
	2.1×10^{-2}		Fang Lee (2007)	Q	267
	3.4×10^{-2}		Fang Lee (2007)	Q	268
	3.6×10^{-2}		Dunnivant et al. (1992)	Q	
2,2'-dichlorobiphenyl	4.6×10^{-2}	6000	Bamford et al. (2002)	M	
$C_{12}H_8Cl_2$	4.0×10^{-2}		Fendinger and Glotfelty (1990)	M	
(PCB-4)	2.9×10^{-2}		Dunnivant et al. (1988)	M	
[13029-08-8]	2.9×10^{-2}		Dunnivant and Elzerman (1988)	M	269
	3.3×10^{-2}		Murphy et al. (1987)	M	9
	7.1×10^{-3}	5500	Paasivirta and Sinkkonen (2009)	V	
	1.7×10^{-2}		Mackay et al. (2006b)	V	
	1.7×10^{-2}		Mackay et al. (1992a)	V	
	1.7×10^{-2}		Shiu and Mackay (1986)	V	
	2.6×10^{-2}		Chiou et al. (1980)	V	
	4.5×10^{-2}		Murphy et al. (1983)	X	270, 271
	1.8×10^{-2}		Burkhard et al. (1985)	X	270

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.5×10^{-2}		Hilal et al. (2008)	Q	
	2.7×10^{-2}		Fang Lee (2007)	Q	267
	2.1×10^{-2}		Fang Lee (2007)	Q	268
	3.0×10^{-2}		Dunnivant et al. (1992)	Q	
2,3-dichlorobiphenyl	4.3×10^{-2}	5800	Bamford et al. (2002)	M	
$C_{12}H_8Cl_2$	2.1×10^{-2}	5500	Paasivirta and Sinkkonen (2009)	V	
(PCB-5)	4.7×10^{-2}		Hilal et al. (2008)	Q	
[16605-91-7]	3.8×10^{-2}		Fang Lee (2007)	Q	267
	4.1×10^{-2}		Fang Lee (2007)	Q	268
		5000	Kühne et al. (2005)	Q	
	4.1×10^{-2}		Dunnivant et al. (1992)	Q	
	3.5×10^{-2}		Sabljić and Güsten (1989)	Q	
		5800	Kühne et al. (2005)	?	
2,3'-dichlorobiphenyl	4.3×10^{-2}	5700	Bamford et al. (2002)	M	
$C_{12}H_8Cl_2$	3.9×10^{-2}		Brunner et al. (1990)	M	
(PCB-6)	3.2×10^{-2}		Murphy et al. (1987)	M	9
[25569-80-6]	3.9×10^{-2}	5900	Paasivirta and Sinkkonen (2009)	V	
	2.5×10^{-2}		Shiu and Mackay (1986)	V	
	5.6×10^{-2}		Hilal et al. (2008)	Q	
	3.4×10^{-2}		Fang Lee (2007)	Q	267
	3.3×10^{-2}		Fang Lee (2007)	Q	268
	3.0×10^{-2}		Dunnivant et al. (1992)	Q	
	2.5×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4-dichlorobiphenyl	3.7×10^{-2}	5200	Bamford et al. (2002)	M	
$C_{12}H_8Cl_2$	2.8×10^{-2}		Dunnivant and Elzerman (1988)	M	
(PCB-7)	2.7×10^{-2}		Murphy et al. (1987)	M	9
[33284-50-3]	3.0×10^{-2}	5700	Paasivirta and Sinkkonen (2009)	V	
	2.2×10^{-2}		Mackay et al. (2006b)	V	
	2.2×10^{-2}		Mackay et al. (1992a)	V	
	2.2×10^{-2}		Shiu and Mackay (1986)	V	
	3.9×10^{-2}		Hilal et al. (2008)	Q	
	2.2×10^{-2}		Fang Lee (2007)	Q	267
	3.0×10^{-2}		Fang Lee (2007)	Q	268
		4700	Kühne et al. (2005)	Q	
	2.6×10^{-2}		Dunnivant et al. (1992)	Q	
		5500	Kühne et al. (2005)	?	
2,4'-dichlorobiphenyl	3.8×10^{-2}	6000	Li et al. (2003)	L	143
$C_{12}H_8Cl_2$	4.4×10^{-2}	6300	Li et al. (2003)	L	144
(PCB-8)	2.6×10^{-2}		Lau et al. (2006)	M	265
[34883-43-7]	1.9×10^{-2}		Lau et al. (2006)	M	266
	2.3×10^{-2}	5300	Charles and Destaillats (2005)	M	
	4.0×10^{-2}	5300	Bamford et al. (2000)	M	
	3.5×10^{-2}		Murphy et al. (1987)	M	9
	1.0×10^{-2}		Atlas et al. (1982)	M	255
	2.2×10^{-2}	5600	Paasivirta and Sinkkonen (2009)	V	
	1.1×10^{-2}		Shiu and Mackay (1986)	V	
	5.7×10^{-2}		Hilal et al. (2008)	Q	
	1.7×10^{-2}		Fang Lee (2007)	Q	267
	3.4×10^{-2}		Fang Lee (2007)	Q	268

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		4700	Kühne et al. (2005)	Q	
	3.3×10^{-2}		Dunnivant et al. (1992)	Q	
	3.2×10^{-2}		Sabljić and Güsten (1989)	Q	
		5600	Kühne et al. (2005)	?	
2,5-dichlorobiphenyl	2.3×10^{-2}	5700	ten Hulscher et al. (1992)	M	
$C_{12}H_8Cl_2$	2.5×10^{-2}		Dunnivant et al. (1988)	M	
(PCB-9)	2.5×10^{-2}		Dunnivant and Elzerman (1988)	M	269
[34883-39-1]	2.0×10^{-2}	5600	Paasivirta and Sinkkonen (2009)	V	
	5.0×10^{-2}		Mackay et al. (2006b)	V	
	5.0×10^{-2}		Mackay et al. (1992a)	V	
	5.0×10^{-2}		Shiu and Mackay (1986)	V	
	3.0×10^{-2}		Burkhard et al. (1985)	X	270
	4.1×10^{-2}		Hilal et al. (2008)	Q	
	3.1×10^{-2}		Fang Lee (2007)	Q	267
	2.6×10^{-2}		Fang Lee (2007)	Q	268
		4700	Kühne et al. (2005)	Q	
	3.0×10^{-2}		Dunnivant et al. (1992)	Q	
		5800	Kühne et al. (2005)	?	
2,6-dichlorobiphenyl	1.2×10^{-2}	5700	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_8Cl_2$	3.0×10^{-2}		Hilal et al. (2008)	Q	
(PCB-10)	1.9×10^{-2}		Fang Lee (2007)	Q	267
[33146-45-1]	2.3×10^{-2}		Fang Lee (2007)	Q	268
	2.3×10^{-2}		Dunnivant et al. (1992)	Q	
	2.1×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,3'-dichlorobiphenyl	4.2×10^{-2}		Dunnivant et al. (1988)	M	
$C_{12}H_8Cl_2$	4.2×10^{-2}		Dunnivant and Elzerman (1988)	M	269
(PCB-11)	3.4×10^{-2}	5700	Paasivirta and Sinkkonen (2009)	V	
[2050-67-1]	5.9×10^{-2}		Mackay et al. (2006b)	V	
	5.8×10^{-2}		Mackay et al. (1992a)	V	
	7.4×10^{-2}		Burkhard et al. (1985)	X	270
	9.0×10^{-2}		Hilal et al. (2008)	Q	
	7.4×10^{-2}		Fang Lee (2007)	Q	267
	4.3×10^{-2}		Fang Lee (2007)	Q	268
	3.4×10^{-2}		Dunnivant et al. (1992)	Q	
	4.3×10^{-2}		Meylan and Howard (1991)	Q	
3,4-dichlorobiphenyl	7.0×10^{-2}		Brunner et al. (1990)	M	
$C_{12}H_8Cl_2$	4.8×10^{-2}		Dunnivant et al. (1988)	M	
(PCB-12)	4.8×10^{-2}		Dunnivant and Elzerman (1988)	M	269
[2974-92-7]	2.0×10^{-2}	5300	Paasivirta and Sinkkonen (2009)	V	
	9.9×10^{-2}		Burkhard et al. (1985)	X	270
	7.7×10^{-2}		Hilal et al. (2008)	Q	
	4.8×10^{-2}		Fang Lee (2007)	Q	267
	4.3×10^{-2}		Fang Lee (2007)	Q	268
	4.2×10^{-2}		Dunnivant et al. (1992)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,4'-dichlorobiphenyl	4.9×10^{-2}	6100	Bamford et al. (2002)	M	
$C_{12}H_8Cl_2$	8.5×10^{-2}	5900	Paasivirta and Sinkkonen (2009)	V	
(PCB-13)	9.5×10^{-2}		Hilal et al. (2008)	Q	
[2974-90-5]	3.7×10^{-2}		Fang Lee (2007)	Q	267
	4.4×10^{-2}		Fang Lee (2007)	Q	268
	3.9×10^{-2}		Dunnivant et al. (1992)	Q	
	3.1×10^{-2}		Sabljić and Güsten (1989)	Q	
3,5-dichlorobiphenyl	2.7×10^{-2}	5500	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_8Cl_2$	5.0×10^{-2}		Hilal et al. (2008)	Q	
(PCB-14)	6.7×10^{-2}		Fang Lee (2007)	Q	267
[34883-41-5]	3.2×10^{-2}		Fang Lee (2007)	Q	268
	2.3×10^{-2}		Dunnivant et al. (1992)	Q	
	2.0×10^{-2}		Sabljić and Güsten (1989)	Q	
4,4'-dichlorobiphenyl	7.0×10^{-2}	6000	Li et al. (2003)	L	143
$C_{12}H_8Cl_2$	7.5×10^{-2}	6700	Li et al. (2003)	L	144
(PCB-15)	5.0×10^{-2}		Lau et al. (2006)	M	265
[2050-68-2]	3.3×10^{-2}		Lau et al. (2006)	M	266
	3.5×10^{-2}	5300	Charles and Destaillats (2005)	M	
	1.0×10^{-1}		Fendinger and Glotfelty (1990)	M	
	5.0×10^{-2}		Dunnivant et al. (1988)	M	
	5.0×10^{-2}		Dunnivant and Elzerman (1988)	M	269
	3.3×10^{-3}	4900	Paasivirta and Sinkkonen (2009)	V	
	5.6×10^{-2}		Mackay et al. (2006b)	V	
	5.9×10^{-2}		Mackay et al. (1992a)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	5.9×10^{-2}		Shiu and Mackay (1986)	V	
	1.0×10^{-1}		Chiou et al. (1980)	V	
	3.3×10^{-2}		Murphy et al. (1983)	X	270, 271
	9.1×10^{-2}		Burkhard et al. (1985)	X	270
	6.8×10^{-2}		Dunnivant et al. (1988)	C	
	9.7×10^{-2}		Hilal et al. (2008)	Q	
	2.1×10^{-2}		Fang Lee (2007)	Q	267
	4.8×10^{-2}		Fang Lee (2007)	Q	268
	4.4×10^{-2}		Dunnivant et al. (1992)	Q	
	4.3×10^{-2}		Meylan and Howard (1991)	Q	
2,2',3-trichlorobiphenyl	4.2×10^{-2}	5700	Bamford et al. (2002)	M	
$C_{12}H_7Cl_3$	4.1×10^{-2}		Murphy et al. (1987)	M	9
(PCB-16)	1.2×10^{-2}		Atlas et al. (1982)	M	255
[38444-78-9]	1.5×10^{-2}	5800	Paasivirta and Sinkkonen (2009)	V	
	1.3×10^{-2}		Shiu and Mackay (1986)	V	
	5.6×10^{-2}		Hilal et al. (2008)	Q	
	6.1×10^{-2}		Fang Lee (2007)	Q	267
	4.4×10^{-2}		Fang Lee (2007)	Q	268
		4500	Kühne et al. (2005)	Q	
	3.9×10^{-2}		Dunnivant et al. (1992)	Q	
	3.6×10^{-2}		Sabljić and Güsten (1989)	Q	
		4700	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',4-trichlorobiphenyl	3.3×10^{-2}	4700	Bamford et al. (2002)	M	
$C_{12}H_7Cl_3$	3.0×10^{-2}		Murphy et al. (1987)	M	9
(PCB-17)	4.0×10^{-2}	6200	Paasivirta and Sinkkonen (2009)	V	
[37680-66-3]	3.7×10^{-2}		Hilal et al. (2008)	Q	
	3.5×10^{-2}		Fang Lee (2007)	Q	267
	3.2×10^{-2}		Fang Lee (2007)	Q	268
	2.6×10^{-2}		Dunnivant et al. (1992)	Q	
	2.5×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',5-trichlorobiphenyl	3.9×10^{-2}	4200	Bamford et al. (2000)	M	
$C_{12}H_7Cl_3$	3.9×10^{-2}		Brunner et al. (1990)	M	
(PCB-18)	2.6×10^{-2}		Dunnivant and Elzerman (1988)	M	
[37680-65-2]	3.3×10^{-2}		Murphy et al. (1987)	M	9
	4.9×10^{-2}		Oliver (1985)	M	
	9.9×10^{-3}		Atlas et al. (1982)	M	255
	9.8×10^{-3}	5800	Paasivirta and Sinkkonen (2009)	V	
	1.1×10^{-2}		Mackay et al. (2006b)	V	
	1.1×10^{-2}		Mackay et al. (1992a)	V	
	1.1×10^{-2}		Shiu and Mackay (1986)	V	
	4.6×10^{-2}		Hilal et al. (2008)	Q	
	4.9×10^{-2}		Fang Lee (2007)	Q	267
	3.0×10^{-2}		Fang Lee (2007)	Q	268
		4200	Kühne et al. (2005)	Q	
	3.1×10^{-2}		Dunnivant et al. (1992)	Q	
		4500	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',6-trichlorobiphenyl	3.3×10^{-2}	4700	Bamford et al. (2002)	M	
$C_{12}H_7Cl_3$	4.3×10^{-2}		Brunner et al. (1990)	M	
(PCB-19)	3.3×10^{-2}		Murphy et al. (1987)	M	9
[38444-73-4]	2.5×10^{-3}	5400	Paasivirta and Sinkkonen (2009)	V	
	5.4×10^{-2}		Hilal et al. (2008)	Q	
	3.0×10^{-2}		Fang Lee (2007)	Q	267
	2.4×10^{-2}		Fang Lee (2007)	Q	268
		3600	Kühne et al. (2005)	Q	
	2.2×10^{-2}		Dunnivant et al. (1992)	Q	
	2.2×10^{-2}		Sabljić and Güsten (1989)	Q	
		3100	Kühne et al. (2005)	?	
2,3,3'-trichlorobiphenyl	1.2×10^{-2}		Atlas et al. (1982)	M	255
$C_{12}H_7Cl_3$	2.0×10^{-2}	5800	Paasivirta and Sinkkonen (2009)	V	
(PCB-20)	1.2×10^{-2}		Shiu and Mackay (1986)	V	
[38444-84-7]	1.2×10^{-1}		Hilal et al. (2008)	Q	
	7.6×10^{-2}		Fang Lee (2007)	Q	267
	6.5×10^{-2}		Fang Lee (2007)	Q	268
	4.5×10^{-2}		Dunnivant et al. (1992)	Q	
	3.3×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,4-trichlorobiphenyl	4.3×10^{-3}	5200	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_7Cl_3$	7.9×10^{-2}		Hilal et al. (2008)	Q	
(PCB-21)	5.0×10^{-2}		Fang Lee (2007)	Q	267
[55702-46-0]	5.9×10^{-2}		Fang Lee (2007)	Q	268
	4.3×10^{-2}		Dunnivant et al. (1992)	Q	
	4.7×10^{-2}		Sabljić and Güsten (1989)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,4'-trichlorobiphenyl	3.4×10^{-2}	4800	Bamford et al. (2002)	M	
$C_{12}H_7Cl_3$	5.0×10^{-2}		Murphy et al. (1987)	M	9
(PCB-22)	1.3×10^{-2}	5600	Paasivirta and Sinkkonen (2009)	V	
[38444-85-8]	1.2×10^{-1}		Hilal et al. (2008)	Q	
	3.8×10^{-2}		Fang Lee (2007)	Q	267
	6.4×10^{-2}		Fang Lee (2007)	Q	268
	5.2×10^{-2}		Dunnivant et al. (1992)	Q	
	4.4×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,5-trichlorobiphenyl	1.5×10^{-2}	5700	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_7Cl_3$	6.9×10^{-2}		Fang Lee (2007)	Q	267
(PCB-23)	4.7×10^{-2}		Fang Lee (2007)	Q	268
[55720-44-0]	3.1×10^{-2}		Dunnivant et al. (1992)	Q	
	2.8×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,6-trichlorobiphenyl	3.3×10^{-2}	4700	Bamford et al. (2002)	M	
$C_{12}H_7Cl_3$	4.5×10^{-2}		Brunner et al. (1990)	M	
(PCB-24)	3.1×10^{-2}		Murphy et al. (1987)	M	9
[55702-45-9]	7.7×10^{-3}	5600	Paasivirta and Sinkkonen (2009)	V	
	4.7×10^{-2}		Hilal et al. (2008)	Q	
	4.2×10^{-2}		Fang Lee (2007)	Q	267
	4.4×10^{-2}		Fang Lee (2007)	Q	268
		4500	Kühne et al. (2005)	Q	
	3.2×10^{-2}		Dunnivant et al. (1992)	Q	
	2.9×10^{-2}		Sabljić and Güsten (1989)	Q	
		2800	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3',4-trichlorobiphenyl	3.3×10^{-2}	4700	Bamford et al. (2002)	M	
$C_{12}H_7Cl_3$	2.4×10^{-2}		Murphy et al. (1987)	M	9
(PCB-25)	2.8×10^{-2}	5900	Paasivirta and Sinkkonen (2009)	V	
[55712-37-3]	4.4×10^{-2}		Fang Lee (2007)	Q	267
	4.5×10^{-2}		Fang Lee (2007)	Q	268
		4800	Kühne et al. (2005)	Q	
	3.1×10^{-2}		Dunnivant et al. (1992)	Q	
	2.3×10^{-2}		Sabljić and Güsten (1989)	Q	
		5700	Kühne et al. (2005)	?	
2,3',5-trichlorobiphenyl	3.5×10^{-2}	4900	Bamford et al. (2002)	M	
$C_{12}H_7Cl_3$	3.0×10^{-2}		Dunnivant et al. (1988)	M	
(PCB-26)	3.0×10^{-2}		Dunnivant and Elzerman (1988)	M	269
[38444-81-4]	2.9×10^{-2}		Murphy et al. (1987)	M	9
	2.2×10^{-2}	5900	Paasivirta and Sinkkonen (2009)	V	
	3.5×10^{-2}		Burkhard et al. (1985)	X	270
	9.9×10^{-2}		Hilal et al. (2008)	Q	
	6.1×10^{-2}		Fang Lee (2007)	Q	267
	4.3×10^{-2}		Fang Lee (2007)	Q	268
	3.3×10^{-2}		Dunnivant et al. (1992)	Q	
	5.9×10^{-2}		Meylan and Howard (1991)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3',6-trichlorobiphenyl	3.5×10^{-2}		Murphy et al. (1987)	M	9
$C_{12}H_7Cl_3$	3.1×10^{-2}	6100	Paasivirta and Sinkkonen (2009)	V	
(PCB-27)	3.7×10^{-2}		Fang Lee (2007)	Q	267
[38444-76-7]	4.2×10^{-2}		Fang Lee (2007)	Q	268
	2.4×10^{-2}		Dunnivant et al. (1992)	Q	
	2.0×10^{-2}		Sabljić and Güsten (1989)	Q	
2,4,4'-trichlorobiphenyl	3.0×10^{-2}	6300	Li et al. (2003)	L	143
$C_{12}H_7Cl_3$	3.3×10^{-2}	6600	Li et al. (2003)	L	144
(PCB-28)	2.3×10^{-2}		Lau et al. (2006)	M	265
[7012-37-5]	1.4×10^{-2}		Lau et al. (2006)	M	266
	1.8×10^{-2}	2300	Charles and Destaillats (2005)	M	
	2.6×10^{-2}	3900	Bamford et al. (2000)	M	
	3.6×10^{-2}	6100	ten Hulscher et al. (1992)	M	
	4.9×10^{-2}		Brunner et al. (1990)	M	
	3.1×10^{-2}		Dunnivant and Elzerman (1988)	M	
	3.7×10^{-2}		Murphy et al. (1987)	M	9
	2.7×10^{-2}	5900	Paasivirta and Sinkkonen (2009)	V	
	2.7×10^{-2}	7100	Paasivirta et al. (1999)	T	
	1.0×10^{-1}		Hilal et al. (2008)	Q	
	2.2×10^{-2}		Fang Lee (2007)	Q	267
	4.7×10^{-2}		Fang Lee (2007)	Q	268
		4800	Kühne et al. (2005)	Q	
	3.5×10^{-2}		Dunnivant et al. (1992)	Q	
		4800	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4,5-trichlorobiphenyl	3.1×10^{-2}	6300	Li et al. (2003)	L	143
$C_{12}H_7Cl_3$	3.3×10^{-2}	6700	Li et al. (2003)	L	144
(PCB-29)	2.6×10^{-2}	4200	Bamford et al. (2000)	M	
[15862-07-4]	4.9×10^{-2}		Brunner et al. (1990)	M	
	7.7×10^{-3}	5500	Paasivirta and Sinkkonen (2009)	V	
	4.1×10^{-3}		Mackay et al. (2006b)	V	
	4.1×10^{-2}		Mackay et al. (1992a)	V	
	4.2×10^{-2}		Shiu and Mackay (1986)	V	
	7.9×10^{-2}		Hilal et al. (2008)	Q	
	4.0×10^{-2}		Fang Lee (2007)	Q	267
	4.2×10^{-2}		Fang Lee (2007)	Q	268
		5100	Kühne et al. (2005)	Q	
	3.3×10^{-2}		Dunnivant et al. (1992)	Q	
	3.7×10^{-2}		Sabljić and Güsten (1989)	Q	
		4500	Kühne et al. (2005)	?	
2,4,6-trichlorobiphenyl	1.5×10^{-2}		Dunnivant et al. (1988)	M	
$C_{12}H_7Cl_3$	1.5×10^{-2}		Dunnivant and Elzerman (1988)	M	269
(PCB-30)	8.5×10^{-3}	5600	Paasivirta and Sinkkonen (2009)	V	
[35693-92-6]	2.0×10^{-2}		Mackay et al. (2006b)	V	
	2.0×10^{-2}		Mackay et al. (1992a)	V	
	2.0×10^{-2}		Shiu and Mackay (1986)	V	
	2.7×10^{-2}		Burkhard et al. (1985)	X	270
	2.9×10^{-2}		Hilal et al. (2008)	Q	
	2.4×10^{-2}		Fang Lee (2007)	Q	267
	2.5×10^{-2}		Fang Lee (2007)	Q	268
	1.7×10^{-2}		Dunnivant et al. (1992)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4',5-trichlorobiphenyl	2.7×10^{-2}	6100	Li et al. (2003)	L	143
$C_{12}H_7Cl_3$	2.9×10^{-2}	6600	Li et al. (2003)	L	144
(PCB-31)	3.4×10^{-2}	4900	Bamford et al. (2002)	M	
[16606-02-3]	5.2×10^{-2}		Brunner et al. (1990)	M	
	3.7×10^{-2}		Murphy et al. (1987)	M	9
	1.1×10^{-2}		Atlas et al. (1982)	M	255
	1.3×10^{-2}	5700	Paasivirta and Sinkkonen (2009)	V	
	1.8×10^{-2}		Shiu and Mackay (1986)	V	
	1.0×10^{-1}		Hilal et al. (2008)	Q	
	3.0×10^{-2}		Fang Lee (2007)	Q	267
	4.1×10^{-2}		Fang Lee (2007)	Q	268
	3.6×10^{-2}		Dunnivant et al. (1992)	Q	
	3.5×10^{-2}		Sabljić and Güsten (1989)	Q	
2,4',6-trichlorobiphenyl	1.2×10^{-2}	5700	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_7Cl_3$	7.5×10^{-2}		Hilal et al. (2008)	Q	
(PCB-32)	1.8×10^{-2}		Fang Lee (2007)	Q	267
[38444-77-8]	4.1×10^{-2}		Fang Lee (2007)	Q	268
	2.5×10^{-2}		Dunnivant et al. (1992)	Q	
	2.4×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3',4'-trichlorobiphenyl	3.6×10^{-2}	5100	Bamford et al. (2002)	M	
$C_{12}H_7Cl_3$	4.4×10^{-2}		Murphy et al. (1987)	M	9
(PCB-33)	2.5×10^{-2}		Westcott et al. (1981)	M	
[38444-86-9]	1.3×10^{-2}	5600	Paasivirta and Sinkkonen (2009)	V	
			Mackay et al. (2006b)	V	258
	2.3×10^{-2}		Mackay et al. (1992a)	V	
	2.3×10^{-2}		Shiu and Mackay (1986)	V	
	1.1×10^{-1}		Hilal et al. (2008)	Q	
	7.7×10^{-2}		Fang Lee (2007)	Q	267
	5.0×10^{-2}		Fang Lee (2007)	Q	268
	4.1×10^{-2}		Dunnivant et al. (1992)	Q	
	4.5×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3',5'-trichlorobiphenyl	1.3×10^{-2}	5800	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_7Cl_3$	7.3×10^{-2}		Hilal et al. (2008)	Q	
(PCB-34)	1.1×10^{-1}		Fang Lee (2007)	Q	267
[37680-68-5]	3.9×10^{-2}		Fang Lee (2007)	Q	268
	2.3×10^{-2}		Dunnivant et al. (1992)	Q	
	2.0×10^{-2}		Sabljić and Güsten (1989)	Q	
3,3',4-trichlorobiphenyl	1.8×10^{-2}	5600	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_7Cl_3$	9.5×10^{-2}		Fang Lee (2007)	Q	267
(PCB-35)	5.9×10^{-2}		Fang Lee (2007)	Q	268
[37680-69-6]	5.5×10^{-2}		Dunnivant et al. (1992)	Q	
	4.4×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,3',5-trichlorobiphenyl	5.8×10^{-2}		Brunner et al. (1990)	M	
$C_{12}H_7Cl_3$	1.3×10^{-2}	5600	Paasivirta and Sinkkonen (2009)	V	
(PCB-36)	1.2×10^{-1}		Hilal et al. (2008)	Q	
[38444-87-0]	1.3×10^{-1}		Fang Lee (2007)	Q	267
	4.7×10^{-2}		Fang Lee (2007)	Q	268
	2.9×10^{-2}		Dunnivant et al. (1992)	Q	
	1.9×10^{-2}		Sabljić and Güsten (1989)	Q	
3,4,4'-trichlorobiphenyl	9.9×10^{-2}		Brunner et al. (1990)	M	
$C_{12}H_7Cl_3$	6.5×10^{-2}		Murphy et al. (1987)	M	9
(PCB-37)	1.2×10^{-2}		Atlas et al. (1982)	M	255
[38444-90-5]	1.3×10^{-2}	5400	Paasivirta and Sinkkonen (2009)	V	
	1.2×10^{-2}		Shiu and Mackay (1986)	V	
	1.8×10^{-1}		Hilal et al. (2008)	Q	
	4.8×10^{-2}		Fang Lee (2007)	Q	267
	6.1×10^{-2}		Fang Lee (2007)	Q	268
	6.5×10^{-2}		Dunnivant et al. (1992)	Q	
	6.9×10^{-2}		Sabljić and Güsten (1989)	Q	
3,4,5-trichlorobiphenyl	1.2×10^{-2}	5400	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_7Cl_3$	8.8×10^{-2}		Fang Lee (2007)	Q	267
(PCB-38)	5.2×10^{-2}		Fang Lee (2007)	Q	268
[53555-66-1]	4.2×10^{-2}		Dunnivant et al. (1992)	Q	
	4.8×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,4',5-trichlorobiphenyl	1.2×10^{-2}	5600	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_7Cl_3$	6.6×10^{-2}		Fang Lee (2007)	Q	267
(PCB-39)	4.4×10^{-2}		Fang Lee (2007)	Q	268
[38444-88-1]	3.3×10^{-2}		Dunnivant et al. (1992)	Q	
	2.3×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,3'-tetrachlorobiphenyl	3.6×10^{-2}	3600	Bamford et al. (2002)	M	
$C_{12}H_6Cl_4$	9.9×10^{-2}		Brunner et al. (1990)	M	
(PCB-40)	4.9×10^{-2}		Dunnivant et al. (1988)	M	
[38444-93-8]	4.9×10^{-2}		Dunnivant and Elzerman (1988)	M	269
	6.1×10^{-2}		Murphy et al. (1987)	M	9
	8.2×10^{-2}		Oliver (1985)	M	
	1.8×10^{-3}	5300	Paasivirta and Sinkkonen (2009)	V	
	4.6×10^{-2}		Mackay et al. (2006b)	V	
	4.6×10^{-2}		Mackay et al. (1992a)	V	
	4.5×10^{-2}		Shiu and Mackay (1986)	V	
	4.8×10^{-2}		Burkhard et al. (1985)	X	270
	1.1×10^{-1}		Hilal et al. (2008)	Q	
	1.2×10^{-1}		Fang Lee (2007)	Q	267
	9.7×10^{-2}		Fang Lee (2007)	Q	268
	5.4×10^{-2}		Dunnivant et al. (1992)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,4-tetrachlorobiphenyl	4.9×10^{-2}		Murphy et al. (1987)	M	9
$C_{12}H_6Cl_4$	1.6×10^{-2}	6200	Paasivirta and Sinkkonen (2009)	V	
(PCB-41)	6.9×10^{-2}		Hilal et al. (2008)	Q	
[52663-59-9]	7.9×10^{-2}		Fang Lee (2007)	Q	267
	7.1×10^{-2}		Fang Lee (2007)	Q	268
	4.0×10^{-2}		Dunnivant et al. (1992)	Q	
	4.8×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,4'-tetrachlorobiphenyl	2.8×10^{-2}	3100	Bamford et al. (2002)	M	
$C_{12}H_6Cl_4$	5.0×10^{-2}		Murphy et al. (1987)	M	9
(PCB-42)	8.6×10^{-3}	5900	Paasivirta and Sinkkonen (2009)	V	
[36559-22-5]	7.2×10^{-2}		Hilal et al. (2008)	Q	
	6.0×10^{-2}		Fang Lee (2007)	Q	267
	6.7×10^{-2}		Fang Lee (2007)	Q	268
	3.9×10^{-2}		Dunnivant et al. (1992)	Q	
	3.1×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,5-tetrachlorobiphenyl	1.3×10^{-2}	6300	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_6Cl_4$	1.1×10^{-1}		Fang Lee (2007)	Q	267
(PCB-43)	6.1×10^{-2}		Fang Lee (2007)	Q	268
[70362-46-8]	2.9×10^{-2}		Dunnivant et al. (1992)	Q	
	2.8×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,5'-tetrachlorobiphenyl	3.6×10^{-2}	3100	Bamford et al. (2000)	M	
$C_{12}H_6Cl_4$	5.2×10^{-2}		Murphy et al. (1987)	M	9
(PCB-44)	1.3×10^{-2}		Atlas et al. (1982)	M	255
[41464-39-5]	1.1×10^{-2}	6000	Paasivirta and Sinkkonen (2009)	V	
	2.0×10^{-2}		Shiu and Mackay (1986)	V	
	9.7×10^{-2}		Hilal et al. (2008)	Q	
	1.2×10^{-1}		Fang Lee (2007)	Q	267
	6.7×10^{-2}		Fang Lee (2007)	Q	268
		4600	Kühne et al. (2005)	Q	
	4.3×10^{-2}		Dunnivant et al. (1992)	Q	
	3.9×10^{-2}		Sabljić and Güsten (1989)	Q	
		3400	Kühne et al. (2005)	?	
2,2',3,6-tetrachlorobiphenyl	2.5×10^{-2}	2900	Bamford et al. (2002)	M	
$C_{12}H_6Cl_4$	3.8×10^{-3}	6000	Paasivirta and Sinkkonen (2009)	V	
(PCB-45)	6.7×10^{-2}		Fang Lee (2007)	Q	267
[70362-45-7]	5.1×10^{-2}		Fang Lee (2007)	Q	268
	2.8×10^{-2}		Dunnivant et al. (1992)	Q	
	3.1×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,6'-tetrachlorobiphenyl	3.0×10^{-2}	3400	Bamford et al. (2002)	M	
$C_{12}H_6Cl_4$	3.8×10^{-2}		Murphy et al. (1987)	M	9
(PCB-46)	9.1×10^{-4}	5300	Paasivirta and Sinkkonen (2009)	V	
[41464-47-5]	6.7×10^{-2}		Fang Lee (2007)	Q	267
	5.7×10^{-2}		Fang Lee (2007)	Q	268
	2.9×10^{-2}		Dunnivant et al. (1992)	Q	
	2.7×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',4,4'-tetrachlorobiphenyl	2.1×10^{-1}		Lau et al. (2006)	M	265
$C_{12}H_6Cl_4$	9.1×10^{-3}		Lau et al. (2006)	M	266
(PCB-47)	1.8×10^{-1}	-6000	Charles and Destaillats (2005)	M	
[2437-79-8]	5.2×10^{-2}		Brunner et al. (1990)	M	
	2.0×10^{-2}	6200	Paasivirta and Sinkkonen (2009)	V	
	5.7×10^{-2}		Mackay et al. (2006b)	V	
	5.8×10^{-2}		Mackay et al. (1992a)	V	
	2.0×10^{-3}		Hwang et al. (1992)	V	
	5.9×10^{-2}		Shiu and Mackay (1986)	V	
	5.0×10^{-2}		Hilal et al. (2008)	Q	
	3.5×10^{-2}		Fang Lee (2007)	Q	267
	4.8×10^{-2}		Fang Lee (2007)	Q	268
	2.7×10^{-2}		Dunnivant et al. (1992)	Q	
	2.2×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',4,5-tetrachlorobiphenyl	2.7×10^{-2}	3000	Bamford et al. (2002)	M	
$C_{12}H_6Cl_4$	3.9×10^{-2}		Murphy et al. (1987)	M	9
(PCB-48)	6.1×10^{-3}	6100	Paasivirta and Sinkkonen (2009)	V	
[70362-47-9]	6.3×10^{-2}		Fang Lee (2007)	Q	267
	5.3×10^{-2}		Fang Lee (2007)	Q	268
	3.3×10^{-2}		Dunnivant et al. (1992)	Q	
	3.8×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',4,5'-tetrachlorobiphenyl	2.7×10^{-2}	3000	Bamford et al. (2002)	M	
$C_{12}H_6Cl_4$	3.6×10^{-2}		Murphy et al. (1987)	M	9
(PCB-49)	8.3×10^{-3}	5900	Paasivirta and Sinkkonen (2009)	V	
[41464-40-8]	5.0×10^{-2}		Shiu and Mackay (1986)	V	
	6.1×10^{-2}		Hilal et al. (2008)	Q	
	7.0×10^{-2}		Fang Lee (2007)	Q	267
	4.5×10^{-2}		Fang Lee (2007)	Q	268
	2.8×10^{-2}		Dunnivant et al. (1992)	Q	
	2.6×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',4,6-tetrachlorobiphenyl	1.6×10^{-2}	2900	Bamford et al. (2000)	M	
$C_{12}H_6Cl_4$	1.3×10^{-2}		Atlas et al. (1982)	M	255
(PCB-50)	9.9×10^{-3}	6300	Paasivirta and Sinkkonen (2009)	V	
[62796-65-0]	1.3×10^{-2}		Shiu and Mackay (1986)	V	
	3.9×10^{-2}		Fang Lee (2007)	Q	267
	2.8×10^{-2}		Fang Lee (2007)	Q	268
		3600	Kühne et al. (2005)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.6×10^{-2}		Dunnivant et al. (1992)	Q	
	1.7×10^{-2}		Sabljić and Güsten (1989)	Q	
		3100	Kühne et al. (2005)	?	
2,2',4,6'-tetrachlorobiphenyl	2.5×10^{-2}	6300	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_6Cl_4$	7.3×10^{-2}		Hilal et al. (2008)	Q	
(PCB-51)	3.8×10^{-2}		Fang Lee (2007)	Q	267
[68194-04-7]	4.0×10^{-2}		Fang Lee (2007)	Q	268
	1.9×10^{-2}		Dunnivant et al. (1992)	Q	
	2.0×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',5,5'-tetrachlorobiphenyl	3.5×10^{-2}	6600	Li et al. (2003)	L	143
$C_{12}H_6Cl_4$	4.0×10^{-2}	6800	Li et al. (2003)	L	144
(PCB-52)	3.2×10^{-2}	3700	Bamford et al. (2000)	M	
[35693-99-3]	4.2×10^{-2}	6200	ten Hulscher et al. (1992)	M	
	4.9×10^{-2}		Brunner et al. (1990)	M	
	2.9×10^{-2}		Dunnivant et al. (1988)	M	
	2.9×10^{-2}		Dunnivant and Elzerman (1988)	M	269
	4.1×10^{-2}		Murphy et al. (1987)	M	9
	8.2×10^{-2}		Oliver (1985)	M	
	1.1×10^{-2}		Atlas et al. (1982)	M	255
			Westcott et al. (1981)	M	272
	3.7×10^{-3}	5700	Paasivirta and Sinkkonen (2009)	V	
	2.1×10^{-2}		Mackay et al. (2006b)	V	
	2.1×10^{-2}		Mackay et al. (1992a)	V	
	1.2×10^{-1}		McLachlan et al. (1990)	V	148
	2.1×10^{-2}		Shiu and Mackay (1986)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.2×10^{-2}	7700	Paasivirta et al. (1999)	T	
	3.8×10^{-2}		Murphy et al. (1983)	X	270, 271
	1.9×10^{-2}		Burkhard et al. (1985)	X	270
	7.9×10^{-2}		Hilal et al. (2008)	Q	
	9.7×10^{-2}		Fang Lee (2007)	Q	267
	4.6×10^{-2}		Fang Lee (2007)	Q	268
		4200	Kühne et al. (2005)	Q	
	3.1×10^{-2}		Dunnivant et al. (1992)	Q	
		4900	Kühne et al. (2005)	?	
2,2',5,6'-tetrachlorobiphenyl	2.4×10^{-2}		Dunnivant et al. (1988)	M	
$C_{12}H_6Cl_4$	2.4×10^{-2}		Dunnivant and Elzerman (1988)	M	269
(PCB-53)	3.5×10^{-2}		Murphy et al. (1987)	M	9
[41464-41-9]	1.6×10^{-3}	5500	Paasivirta and Sinkkonen (2009)	V	
	3.3×10^{-2}		Shiu and Mackay (1986)	V	
	3.8×10^{-2}		Burkhard et al. (1985)	X	270
	8.8×10^{-2}		Hilal et al. (2008)	Q	
	5.3×10^{-2}		Fang Lee (2007)	Q	267
	4.1×10^{-2}		Fang Lee (2007)	Q	268
	2.3×10^{-2}		Dunnivant et al. (1992)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',6,6'-tetrachlorobiphenyl	4.9×10^{-2}		Brunner et al. (1990)	M	
$C_{12}H_6Cl_4$	1.8×10^{-2}		Dunnivant et al. (1988)	M	
(PCB-54)	1.8×10^{-2}		Dunnivant and Elzerman (1988)	M	269
[15968-05-5]	1.0×10^{-4}	4800	Paasivirta and Sinkkonen (2009)	V	
	5.3×10^{-3}		Burkhard et al. (1985)	X	270
	6.7×10^{-2}		Dunnivant et al. (1988)	C	
	1.2×10^{-1}		Hilal et al. (2008)	Q	
	3.3×10^{-2}		Fang Lee (2007)	Q	267
	2.7×10^{-2}		Fang Lee (2007)	Q	268
	1.7×10^{-2}		Dunnivant et al. (1992)	Q	
2,3,3',4-tetrachlorobiphenyl	9.6×10^{-3}	5900	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_6Cl_4$	9.9×10^{-2}		Fang Lee (2007)	Q	267
(PCB-55)	9.3×10^{-2}		Fang Lee (2007)	Q	268
[74338-24-2]	5.4×10^{-2}		Dunnivant et al. (1992)	Q	
	4.3×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,3',4'-tetrachlorobiphenyl	3.8×10^{-2}	3800	Bamford et al. (2002)	M	
$C_{12}H_6Cl_4$	6.1×10^{-2}		Murphy et al. (1987)	M	9
(PCB-56)	4.9×10^{-3}	5400	Paasivirta and Sinkkonen (2009)	V	
[41464-43-1]	7.5×10^{-2}		Fang Lee (2007)	Q	267
	9.7×10^{-2}		Fang Lee (2007)	Q	268
	6.5×10^{-2}		Dunnivant et al. (1992)	Q	
	7.5×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,3',5-tetrachlorobiphenyl	8.9×10^{-3}	6100	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_6Cl_4$	1.4×10^{-1}		Fang Lee (2007)	Q	267
(PCB-57)	7.8×10^{-2}		Fang Lee (2007)	Q	268
[70424-67-8]	3.6×10^{-2}		Dunnivant et al. (1992)	Q	
	2.7×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,3',5'-tetrachlorobiphenyl	2.3×10^{-3}	5400	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_6Cl_4$	1.5×10^{-1}		Fang Lee (2007)	Q	267
(PCB-58)	8.1×10^{-2}		Fang Lee (2007)	Q	268
[41464-49-7]	3.9×10^{-2}		Dunnivant et al. (1992)	Q	
	2.4×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,3',6-tetrachlorobiphenyl	4.4×10^{-2}	6600	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_6Cl_4$	8.3×10^{-2}		Fang Lee (2007)	Q	267
(PCB-59)	8.3×10^{-2}		Fang Lee (2007)	Q	268
[74472-33-6]	3.2×10^{-2}		Dunnivant et al. (1992)	Q	
	2.7×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,4,4'-tetrachlorobiphenyl	6.1×10^{-2}		Murphy et al. (1987)	M	9
$C_{12}H_6Cl_4$	1.2×10^{-2}		Atlas et al. (1982)	M	255
(PCB-60)	2.9×10^{-3}	5500	Paasivirta and Sinkkonen (2009)	V	
[33025-41-1]	4.9×10^{-2}		Fang Lee (2007)	Q	267
	9.2×10^{-2}		Fang Lee (2007)	Q	268
	6.5×10^{-2}		Dunnivant et al. (1992)	Q	
	6.5×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,4,5-tetrachlorobiphenyl	4.9×10^{-2}	6600	Li et al. (2003)	L	143
$C_{12}H_6Cl_4$	5.0×10^{-2}	7200	Li et al. (2003)	L	144
(PCB-61)	4.9×10^{-3}	5600	Paasivirta and Sinkkonen (2009)	V	
[33284-53-6]	9.0×10^{-2}		Fang Lee (2007)	Q	267
	8.4×10^{-2}		Fang Lee (2007)	Q	268
	4.1×10^{-2}		Dunnivant et al. (1992)	Q	
	5.7×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,4,6-tetrachlorobiphenyl	4.7×10^{-2}		Brunner et al. (1990)	M	
$C_{12}H_6Cl_4$	7.1×10^{-3}	6000	Paasivirta and Sinkkonen (2009)	V	
(PCB-62)	4.0×10^{-2}		Hilal et al. (2008)	Q	
[54230-22-7]	5.5×10^{-2}		Fang Lee (2007)	Q	267
	6.4×10^{-2}		Fang Lee (2007)	Q	268
	2.7×10^{-2}		Dunnivant et al. (1992)	Q	
	2.7×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,4',5-tetrachlorobiphenyl	2.5×10^{-2}	3000	Bamford et al. (2002)	M	
$C_{12}H_6Cl_4$	3.4×10^{-2}		Murphy et al. (1987)	M	9
(PCB-63)	9.4×10^{-3}	6100	Paasivirta and Sinkkonen (2009)	V	
[74472-34-7]	6.8×10^{-2}		Fang Lee (2007)	Q	267
	7.1×10^{-2}		Fang Lee (2007)	Q	268
	4.1×10^{-2}		Dunnivant et al. (1992)	Q	
	3.4×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,4',6-tetrachlorobiphenyl	2.5×10^{-2}	2900	Bamford et al. (2002)	M	
$C_{12}H_6Cl_4$	5.8×10^{-2}		Murphy et al. (1987)	M	9
(PCB-64)	7.9×10^{-3}	6000	Paasivirta and Sinkkonen (2009)	V	
[52663-58-8]	1.1×10^{-1}		Hilal et al. (2008)	Q	
	4.2×10^{-2}		Fang Lee (2007)	Q	267
	7.7×10^{-2}		Fang Lee (2007)	Q	268
	3.6×10^{-2}		Dunnivant et al. (1992)	Q	
	3.5×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,5,6-tetrachlorobiphenyl	4.9×10^{-3}	5800	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_6Cl_4$	5.3×10^{-2}		Hilal et al. (2008)	Q	
(PCB-65)	7.6×10^{-2}		Fang Lee (2007)	Q	267
[33284-54-7]	9.9×10^{-2}		Fang Lee (2007)	Q	268
	2.9×10^{-2}		Dunnivant et al. (1992)	Q	
	3.2×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3',4,4'-tetrachlorobiphenyl	2.7×10^{-2}	3500	Bamford et al. (2000)	M	
$C_{12}H_6Cl_4$	4.9×10^{-2}		Murphy et al. (1987)	M	9
(PCB-66)	3.0×10^{-3}	5300	Paasivirta and Sinkkonen (2009)	V	
[32598-10-0]	1.2×10^{-2}		Shiu and Mackay (1986)	V	
	2.1×10^{-1}		Hilal et al. (2008)	Q	
	4.3×10^{-2}		Fang Lee (2007)	Q	267
	6.8×10^{-2}		Fang Lee (2007)	Q	268
		5200	Kühne et al. (2005)	Q	
	4.9×10^{-2}		Dunnivant et al. (1992)	Q	
	3.9×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		3800	Kühne et al. (2005)	?	
2,3',4,5-tetrachlorobiphenyl	9.9×10^{-2}		Brunner et al. (1990)	M	
$C_{12}H_6Cl_4$	1.6×10^{-2}	6200	Paasivirta and Sinkkonen (2009)	V	
(PCB-67)	1.9×10^{-1}		Hilal et al. (2008)	Q	
[73575-53-8]	7.9×10^{-2}		Fang Lee (2007)	Q	267
	6.8×10^{-2}		Fang Lee (2007)	Q	268
	4.2×10^{-2}		Dunnivant et al. (1992)	Q	
	3.4×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3',4,5'-tetrachlorobiphenyl	7.2×10^{-3}	5800	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_6Cl_4$	8.7×10^{-2}		Fang Lee (2007)	Q	267
(PCB-68)	5.2×10^{-2}		Fang Lee (2007)	Q	268
[73575-52-7]	2.6×10^{-2}		Dunnivant et al. (1992)	Q	
	1.8×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3',4,6-tetrachlorobiphenyl	1.9×10^{-2}	6500	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_6Cl_4$	7.9×10^{-2}		Hilal et al. (2008)	Q	
(PCB-69)	4.8×10^{-2}		Fang Lee (2007)	Q	267
[60233-24-1]	4.5×10^{-2}		Fang Lee (2007)	Q	268
	2.0×10^{-2}		Dunnivant et al. (1992)	Q	
	1.6×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3',4',5-tetrachlorobiphenyl	3.3×10^{-2}	3500	Bamford et al. (2002)	M	
$C_{12}H_6Cl_4$	9.9×10^{-2}		Brunner et al. (1990)	M	
(PCB-70)	5.2×10^{-2}		Murphy et al. (1987)	M	9
[32598-11-1]	4.0×10^{-3}	5400	Paasivirta and Sinkkonen (2009)	V	
	5.0×10^{-2}		Shiu and Mackay (1986)	V	
	2.0×10^{-1}		Hilal et al. (2008)	Q	
	6.0×10^{-2}		Fang Lee (2007)	Q	267
	6.4×10^{-2}		Fang Lee (2007)	Q	268
	4.9×10^{-2}		Dunnivant et al. (1992)	Q	
	5.2×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3',4',6-tetrachlorobiphenyl	1.8×10^{-2}	6000	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_6Cl_4$	3.6×10^{-2}		Fang Lee (2007)	Q	267
(PCB-71)	7.0×10^{-2}		Fang Lee (2007)	Q	268
[41464-46-4]	3.1×10^{-2}		Dunnivant et al. (1992)	Q	
	3.1×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3',5,5'-tetrachlorobiphenyl	4.0×10^{-3}	5700	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_6Cl_4$	1.2×10^{-1}		Fang Lee (2007)	Q	267
(PCB-72)	5.3×10^{-2}		Fang Lee (2007)	Q	268
[41464-42-0]	2.7×10^{-2}		Dunnivant et al. (1992)	Q	
	2.1×10^{-2}		Sabljić and Güsten (1989)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3',5',6-tetrachlorobiphenyl	6.4×10^{-3}	5900	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_6Cl_4$	7.4×10^{-2}		Fang Lee (2007)	Q	267
(PCB-73)	6.0×10^{-2}		Fang Lee (2007)	Q	268
[74338-23-1]	1.9×10^{-2}		Dunnivant et al. (1992)	Q	
	1.6×10^{-2}		Sabljić and Güsten (1989)	Q	
2,4,4',5-tetrachlorobiphenyl	2.6×10^{-2}	3000	Bamford et al. (2002)	M	
$C_{12}H_6Cl_4$	9.9×10^{-2}		Brunner et al. (1990)	M	
(PCB-74)	4.7×10^{-2}		Murphy et al. (1987)	M	9
[32690-93-0]	4.8×10^{-3}	5800	Paasivirta and Sinkkonen (2009)	V	
	2.0×10^{-1}		Hilal et al. (2008)	Q	
	3.9×10^{-2}		Fang Lee (2007)	Q	267
	6.5×10^{-2}		Fang Lee (2007)	Q	268
	4.6×10^{-2}		Dunnivant et al. (1992)	Q	
	4.7×10^{-2}		Sabljić and Güsten (1989)	Q	
2,4,4',6-tetrachlorobiphenyl	2.1×10^{-2}	6400	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_6Cl_4$	2.4×10^{-2}		Fang Lee (2007)	Q	267
(PCB-75)	4.4×10^{-2}		Fang Lee (2007)	Q	268
[32598-12-2]	2.1×10^{-2}		Dunnivant et al. (1992)	Q	
	1.8×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3',4',5'-tetrachlorobiphenyl	7.7×10^{-2}		Murphy et al. (1987)	M	9
$C_{12}H_6Cl_4$	2.3×10^{-3}	5500	Paasivirta and Sinkkonen (2009)	V	
(PCB-76)	1.4×10^{-1}		Fang Lee (2007)	Q	267
[70362-48-0]	7.0×10^{-2}		Fang Lee (2007)	Q	268
	4.1×10^{-2}		Dunnivant et al. (1992)	Q	
	4.4×10^{-2}		Sabljić and Güsten (1989)	Q	
3,3',4,4'-tetrachlorobiphenyl	3.1×10^{-2}		Lau et al. (2006)	M	265
$C_{12}H_6Cl_4$	1.8×10^{-2}		Lau et al. (2006)	M	266
(PCB-77)	9.1×10^{-2}		Fang et al. (2006)	M	
[32598-13-3]	2.9×10^{-2}	13000	Charles and Destaillats (2005)	M	
	6.2×10^{-2}	4800	Bamford et al. (2000)	M	
	1.0×10^{-1}		Dunnivant et al. (1988)	M	
	1.0×10^{-1}		Dunnivant and Elzerman (1988)	M	269
	6.0×10^{-4}	4600	Paasivirta and Sinkkonen (2009)	V	
	5.8×10^{-2}		Mackay et al. (2006b)	V	
	5.8×10^{-1}		Mackay et al. (1992a)	V	
	5.9×10^{-1}		Shiu and Mackay (1986)	V	
	8.3×10^{-3}	7400	Paasivirta et al. (1999)	T	
	2.3×10^{-1}		Burkhard et al. (1985)	X	270
	3.6×10^{-1}		Hilal et al. (2008)	Q	
	9.4×10^{-2}		Fang Lee (2007)	Q	267
	8.0×10^{-2}		Fang Lee (2007)	Q	268
		6100	Kühne et al. (2005)	Q	
	9.6×10^{-2}		Dunnivant et al. (1992)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	7.9×10^{-2}		Meylan and Howard (1991)	Q	
		5600	Kühne et al. (2005)	?	
3,3',4,5-tetrachlorobiphenyl	5.1×10^{-3}	5600	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_6Cl_4$	1.7×10^{-1}		Fang Lee (2007)	Q	267
(PCB-78)	7.5×10^{-2}		Fang Lee (2007)	Q	268
[70362-49-1]	6.0×10^{-2}		Dunnivant et al. (1992)	Q	
	4.4×10^{-2}		Sabljić and Güsten (1989)	Q	
3,3',4,5'-tetrachlorobiphenyl	3.8×10^{-3}	5400	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_6Cl_4$	2.5×10^{-1}		Hilal et al. (2008)	Q	
(PCB-79)	1.9×10^{-1}		Fang Lee (2007)	Q	267
[41464-48-6]	6.3×10^{-2}		Fang Lee (2007)	Q	268
	5.0×10^{-2}		Dunnivant et al. (1992)	Q	
	2.9×10^{-2}		Sabljić and Güsten (1989)	Q	
3,3',5,5'-tetrachlorobiphenyl	9.4×10^{-4}	5100	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_6Cl_4$	2.6×10^{-1}		Fang Lee (2007)	Q	267
(PCB-80)	5.2×10^{-2}		Fang Lee (2007)	Q	268
[33284-52-5]	2.6×10^{-2}		Dunnivant et al. (1992)	Q	
	1.6×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,4,4',5-tetrachlorobiphenyl	8.8×10^{-2}		Fang et al. (2006)	M	
$C_{12}H_6Cl_4$	4.1×10^{-2}	4000	Bamford et al. (2002)	M	
(PCB-81)	2.0×10^{-3}	5300	Paasivirta and Sinkkonen (2009)	V	
[70362-50-4]	8.6×10^{-2}		Fang Lee (2007)	Q	267
	7.2×10^{-2}		Fang Lee (2007)	Q	268
	6.9×10^{-2}		Dunnivant et al. (1992)	Q	
	6.7×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,3',4-pentachlorobiphenyl	2.7×10^{-2}	5100	Bamford et al. (2002)	M	
$C_{12}H_5Cl_5$	8.4×10^{-2}		Murphy et al. (1987)	M	9
(PCB-82)	3.2×10^{-3}	5800	Paasivirta and Sinkkonen (2009)	V	
[52663-62-4]	5.0×10^{-2}		Shiu and Mackay (1986)	V	
	1.6×10^{-1}		Fang Lee (2007)	Q	267
	1.5×10^{-1}		Fang Lee (2007)	Q	268
	6.7×10^{-2}		Dunnivant et al. (1992)	Q	
	8.1×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,3',5-pentachlorobiphenyl	2.3×10^{-2}	3600	Bamford et al. (2002)	M	
$C_{12}H_5Cl_5$	6.0×10^{-2}		Murphy et al. (1987)	M	9
(PCB-83)	7.7×10^{-3}	6300	Paasivirta and Sinkkonen (2009)	V	
[60145-20-2]	2.2×10^{-1}		Fang Lee (2007)	Q	267
	1.4×10^{-1}		Fang Lee (2007)	Q	268
	4.7×10^{-2}		Dunnivant et al. (1992)	Q	
	3.8×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,3',6-pentachlorobiphenyl	5.7×10^{-2}		Murphy et al. (1987)	M	9
$C_{12}H_5Cl_5$	2.3×10^{-3}	6000	Paasivirta and Sinkkonen (2009)	V	
(PCB-84)	1.3×10^{-1}		Fang Lee (2007)	Q	267
[52663-60-2]	1.2×10^{-1}		Fang Lee (2007)	Q	268
	3.9×10^{-2}		Dunnivant et al. (1992)	Q	
	4.3×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,4,4'-pentachlorobiphenyl	2.3×10^{-2}	3100	Bamford et al. (2002)	M	
$C_{12}H_5Cl_5$	1.5×10^{-1}		Brunner et al. (1990)	M	
(PCB-85)	6.0×10^{-2}		Murphy et al. (1987)	M	9
[65510-45-4]	2.8×10^{-2}	6600	Paasivirta and Sinkkonen (2009)	V	
	9.2×10^{-2}		Hilal et al. (2008)	Q	
	7.8×10^{-2}		Fang Lee (2007)	Q	267
	1.1×10^{-1}		Fang Lee (2007)	Q	268
	5.1×10^{-2}		Dunnivant et al. (1992)	Q	
	4.0×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,4,5-pentachlorobiphenyl	8.9×10^{-3}	6500	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	6.6×10^{-3}		Mackay et al. (2006b)	V	
(PCB-86)	6.6×10^{-3}		Mackay et al. (1992a)	V	
[55312-69-1]	6.6×10^{-3}		Shiu and Mackay (1986)	V	
	7.5×10^{-2}		Hilal et al. (2008)	Q	
	1.4×10^{-1}		Fang Lee (2007)	Q	267
	1.2×10^{-1}		Fang Lee (2007)	Q	268
	4.1×10^{-2}		Dunnivant et al. (1992)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	5.8×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,4,5'-pentachlorobiphenyl	2.7×10^{-2}	3900	Bamford et al. (2000)	M	
$C_{12}H_5Cl_5$	7.8×10^{-2}		Murphy et al. (1987)	M	9
(PCB-87)	4.1×10^{-3}	6000	Paasivirta and Sinkkonen (2009)	V	
[38380-02-8]	4.0×10^{-2}		Mackay et al. (2006b)	V	
	4.0×10^{-2}		Mackay et al. (1992a)	V	
	4.0×10^{-2}		Shiu and Mackay (1986)	V	
	1.2×10^{-1}		Hilal et al. (2008)	Q	
	1.6×10^{-1}		Fang Lee (2007)	Q	267
	1.0×10^{-1}		Fang Lee (2007)	Q	268
		5000	Kühne et al. (2005)	Q	
	5.4×10^{-2}		Dunnivant et al. (1992)	Q	
	5.5×10^{-2}		Sabljić and Güsten (1989)	Q	
		4200	Kühne et al. (2005)	?	
2,2',3,4,6-pentachlorobiphenyl	9.6×10^{-3}	6800	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	1.2×10^{-1}		Fang Lee (2007)	Q	267
(PCB-88)	7.8×10^{-2}		Fang Lee (2007)	Q	268
[55215-17-3]	2.6×10^{-2}		Dunnivant et al. (1992)	Q	
	2.9×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,4,6'-pentachlorobiphenyl	2.2×10^{-2}	2500	Bamford et al. (2002)	M	
$C_{12}H_5Cl_5$	4.3×10^{-3}	6100	Paasivirta and Sinkkonen (2009)	V	
(PCB-89)	8.7×10^{-2}		Fang Lee (2007)	Q	267
[73575-57-2]	9.8×10^{-2}		Fang Lee (2007)	Q	268
	3.3×10^{-2}		Dunnivant et al. (1992)	Q	
	3.4×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,4',5-pentachlorobiphenyl	2.1×10^{-2}	6600	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	1.1×10^{-1}		Fang Lee (2007)	Q	267
(PCB-90)	8.8×10^{-2}		Fang Lee (2007)	Q	268
[68194-07-0]	3.4×10^{-2}		Dunnivant et al. (1992)	Q	
	2.6×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,4',6-pentachlorobiphenyl	1.9×10^{-2}	1200	Bamford et al. (2002)	M	
$C_{12}H_5Cl_5$	3.6×10^{-2}		Murphy et al. (1987)	M	9
(PCB-91)	1.1×10^{-2}	6500	Paasivirta and Sinkkonen (2009)	V	
[68194-05-8]	6.6×10^{-2}		Fang Lee (2007)	Q	267
	8.3×10^{-2}		Fang Lee (2007)	Q	268
	2.9×10^{-2}		Dunnivant et al. (1992)	Q	
	2.8×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,5,5'-pentachlorobiphenyl	2.2×10^{-2}	2900	Bamford et al. (2002)	M	
$C_{12}H_5Cl_5$	1.2×10^{-2}	6500	Paasivirta and Sinkkonen (2009)	V	
(PCB-92)	2.2×10^{-1}		Fang Lee (2007)	Q	267
[52663-61-3]	9.5×10^{-2}		Fang Lee (2007)	Q	268
	3.8×10^{-2}		Dunnivant et al. (1992)	Q	
	3.1×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,5,6-pentachlorobiphenyl	4.1×10^{-3}	6500	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	1.2×10^{-1}		Fang Lee (2007)	Q	267
(PCB-93)	1.3×10^{-1}		Fang Lee (2007)	Q	268
[73575-56-1]	2.9×10^{-2}		Dunnivant et al. (1992)	Q	
	3.5×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,5,6'-pentachlorobiphenyl	4.5×10^{-3}	6300	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	1.2×10^{-1}		Fang Lee (2007)	Q	267
(PCB-94)	9.1×10^{-2}		Fang Lee (2007)	Q	268
[73575-55-0]	2.5×10^{-2}		Dunnivant et al. (1992)	Q	
	2.3×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,5',6-pentachlorobiphenyl	2.1×10^{-2}	2500	Bamford et al. (2002)	M	
$C_{12}H_5Cl_5$	5.0×10^{-2}		Murphy et al. (1987)	M	9
(PCB-95)	3.3×10^{-3}	6200	Paasivirta and Sinkkonen (2009)	V	
[38379-99-6]	1.3×10^{-1}		Fang Lee (2007)	Q	267
	9.0×10^{-2}		Fang Lee (2007)	Q	268
	3.3×10^{-2}		Dunnivant et al. (1992)	Q	
	3.4×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,6,6'-pentachlorobiphenyl	8.7×10^{-4}	5800	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	7.4×10^{-2}		Fang Lee (2007)	Q	267
(PCB-96)	6.5×10^{-2}		Fang Lee (2007)	Q	268
[73575-54-9]	2.4×10^{-2}		Dunnivant et al. (1992)	Q	
	2.6×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,4',5'-pentachlorobiphenyl	2.3×10^{-2}	3600	Bamford et al. (2002)	M	
$C_{12}H_5Cl_5$	1.3×10^{-1}		Brunner et al. (1990)	M	
(PCB-97)	6.6×10^{-2}		Murphy et al. (1987)	M	9
[41464-51-1]	8.6×10^{-3}	6300	Paasivirta and Sinkkonen (2009)	V	
	1.5×10^{-1}		Hilal et al. (2008)	Q	
	1.2×10^{-1}		Fang Lee (2007)	Q	267
	1.1×10^{-1}		Fang Lee (2007)	Q	268
	5.5×10^{-2}		Dunnivant et al. (1992)	Q	
	5.5×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,4',6'-pentachlorobiphenyl	5.5×10^{-3}	6300	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	7.6×10^{-2}		Fang Lee (2007)	Q	267
(PCB-98)	6.5×10^{-2}		Fang Lee (2007)	Q	268
[60233-25-2]	2.5×10^{-2}		Dunnivant et al. (1992)	Q	
	2.0×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',4,4',5-pentachlorobiphenyl	2.2×10^{-2}		Lau et al. (2006)	M	265
$C_{12}H_5Cl_5$	4.2×10^{-3}		Lau et al. (2006)	M	266
(PCB-99)	8.8×10^{-3}	8700	Charles and Destaillats (2005)	M	
[38380-01-7]	2.1×10^{-2}	1900	Bamford et al. (2002)	M	
	1.3×10^{-1}		Brunner et al. (1990)	M	
	4.6×10^{-2}		Murphy et al. (1987)	M	9
	2.1×10^{-2}	6600	Paasivirta and Sinkkonen (2009)	V	
	6.2×10^{-2}		Fang Lee (2007)	Q	267
	7.9×10^{-2}		Fang Lee (2007)	Q	268
	4.0×10^{-2}		Dunnivant et al. (1992)	Q	
	3.3×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',4,4',6-pentachlorobiphenyl	9.7×10^{-3}	6600	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	3.8×10^{-2}		Fang Lee (2007)	Q	267
(PCB-100)	4.6×10^{-2}		Fang Lee (2007)	Q	268
[39485-83-1]	1.8×10^{-2}		Dunnivant et al. (1992)	Q	
	1.6×10^{-2}		Sabljić and Güsten (1989)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',4,5,5'-pentachlorobiphenyl	3.2×10^{-2}	6800	Li et al. (2003)	L	143
$C_{12}H_5Cl_5$	4.1×10^{-2}	7500	Li et al. (2003)	L	144
(PCB-101)	2.4×10^{-2}	3600	Bamford et al. (2000)	M	
[37680-73-2]	3.9×10^{-2}		Dunnivant et al. (1988)	M	
	3.9×10^{-2}		Dunnivant and Elzerman (1988)	M	269
	5.5×10^{-2}		Murphy et al. (1987)	M	9
	1.4×10^{-1}		Oliver (1985)	M	
			Westcott et al. (1981)	M	273
	8.9×10^{-3}	6400	Paasivirta and Sinkkonen (2009)	V	
	2.8×10^{-2}		Mackay et al. (2006b)	V	
	2.8×10^{-2}		Mackay et al. (1992a)	V	
	2.9×10^{-2}		Shiu and Mackay (1986)	V	
	2.0×10^{-2}	8100	Paasivirta et al. (1999)	T	
	3.1×10^{-2}		Burkhard et al. (1985)	X	270
	1.2×10^{-1}		Hilal et al. (2008)	Q	
	1.3×10^{-1}		Fang Lee (2007)	Q	267
	7.9×10^{-2}		Fang Lee (2007)	Q	268
		4600	Kühne et al. (2005)	Q	
	4.0×10^{-2}		Dunnivant et al. (1992)	Q	
	1.1×10^{-1}		Meylan and Howard (1991)	Q	
		3900	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',4,5,6'-pentachlorobiphenyl	1.1×10^{-1}		Brunner et al. (1990)	M	
$C_{12}H_5Cl_5$	6.3×10^{-3}	6300	Paasivirta and Sinkkonen (2009)	V	
(PCB-102)	8.8×10^{-2}		Hilal et al. (2008)	Q	
[68194-06-9]	6.9×10^{-2}		Fang Lee (2007)	Q	267
	7.7×10^{-2}		Fang Lee (2007)	Q	268
	2.7×10^{-2}		Dunnivant et al. (1992)	Q	
	2.8×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',4,5',6-pentachlorobiphenyl	8.1×10^{-3}	6600	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	7.7×10^{-2}		Fang Lee (2007)	Q	267
(PCB-103)	4.6×10^{-2}		Fang Lee (2007)	Q	268
[60145-21-3]	2.0×10^{-2}		Dunnivant et al. (1992)	Q	
	1.8×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',4,6,6'-pentachlorobiphenyl	1.5×10^{-2}	1700	Bamford et al. (2000)	M	
$C_{12}H_5Cl_5$	1.1×10^{-2}		Dunnivant et al. (1988)	M	
(PCB-104)	1.1×10^{-2}		Dunnivant and Elzerman (1988)	M	269
[56558-16-8]	2.8×10^{-3}	6300	Paasivirta and Sinkkonen (2009)	V	
	4.3×10^{-2}		Mackay et al. (2006b)	V	
	7.2×10^{-2}		Mackay et al. (1992a)	V	
	5.4×10^{-3}		Burkhard et al. (1985)	X	270
	4.2×10^{-2}		Fang Lee (2007)	Q	267
	3.4×10^{-2}		Fang Lee (2007)	Q	268
		3100	Kühne et al. (2005)	Q	
	1.3×10^{-2}		Dunnivant et al. (1992)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		2000	Kühne et al. (2005)	?	
2,3,3',4,4'-pentachlorobiphenyl	3.0×10^{-2}	6800	Li et al. (2003)	L	143
$C_{12}H_5Cl_5$	7.2×10^{-2}	7500	Li et al. (2003)	L	144
(PCB-105)	1.8×10^{-1}		Fang et al. (2006)	M	
[32598-14-4]	3.0×10^{-2}	9100	Bamford et al. (2000)	M	
	5.0×10^{-3}	5700	Paasivirta and Sinkkonen (2009)	V	
	2.9×10^{-2}	8300	Paasivirta et al. (1999)	T	
	9.7×10^{-2}		Fang Lee (2007)	Q	267
	1.4×10^{-1}		Fang Lee (2007)	Q	268
	9.9×10^{-2}		Dunnivant et al. (1992)	Q	
	1.6×10^{-1}		Sabljić and Güsten (1989)	Q	
2,3,3',4,5-pentachlorobiphenyl	1.3×10^{-2}	6500	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	1.8×10^{-1}		Fang Lee (2007)	Q	267
(PCB-106)	1.4×10^{-1}		Fang Lee (2007)	Q	268
[70424-69-0]	6.0×10^{-2}		Dunnivant et al. (1992)	Q	
	5.1×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,3',4',5-pentachlorobiphenyl	4.3×10^{-2}	2200	Bamford et al. (2002)	M	
$C_{12}H_5Cl_5$	1.7×10^{-1}		Murphy et al. (1987)	M	9
(PCB-107)	9.1×10^{-3}	6200	Paasivirta and Sinkkonen (2009)	V	
[70424-68-9]	2.0×10^{-1}		Fang Lee (2007)	Q	267
	1.2×10^{-1}		Fang Lee (2007)	Q	268
	6.2×10^{-2}		Dunnivant et al. (1992)	Q	
	4.9×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,3',4,5'-pentachlorobiphenyl	4.1×10^{-3}	5800	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	1.1×10^{-1}		Fang Lee (2007)	Q	267
(PCB-108)	1.1×10^{-1}		Fang Lee (2007)	Q	268
[70362-41-3]	5.6×10^{-2}		Dunnivant et al. (1992)	Q	
	2.8×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,3',4,6-pentachlorobiphenyl	1.5×10^{-2}	6600	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	1.4×10^{-1}		Fang Lee (2007)	Q	267
(PCB-109)	1.2×10^{-1}		Fang Lee (2007)	Q	268
[74472-35-8]	3.5×10^{-2}		Dunnivant et al. (1992)	Q	
	2.5×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,3',4',6-pentachlorobiphenyl	2.3×10^{-2}	5200	Bamford et al. (2002)	M	
$C_{12}H_5Cl_5$	9.3×10^{-2}		Murphy et al. (1987)	M	9
(PCB-110)	1.8×10^{-2}	6400	Paasivirta and Sinkkonen (2009)	V	
[38380-03-9]	8.3×10^{-2}		Fang Lee (2007)	Q	267
	1.4×10^{-1}		Fang Lee (2007)	Q	268
		5000	Kühne et al. (2005)	Q	
	5.0×10^{-2}		Dunnivant et al. (1992)	Q	
	5.2×10^{-2}		Sabljić and Güsten (1989)	Q	
		4300	Kühne et al. (2005)	?	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,3',5,5'-pentachlorobiphenyl	6.5×10^{-3}	6200	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	2.7×10^{-1}		Fang Lee (2007)	Q	267
(PCB-111)	7.8×10^{-2}		Fang Lee (2007)	Q	268
[39635-32-0]	3.7×10^{-2}		Dunnivant et al. (1992)	Q	
	2.0×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,3',5,6-pentachlorobiphenyl	7.8×10^{-3}	6600	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	1.5×10^{-1}		Fang Lee (2007)	Q	267
(PCB-112)	2.0×10^{-1}		Fang Lee (2007)	Q	268
[74472-36-9]	3.7×10^{-2}		Dunnivant et al. (1992)	Q	
	3.0×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,3',5',6-pentachlorobiphenyl	1.5×10^{-2}	6500	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	1.7×10^{-1}		Fang Lee (2007)	Q	267
(PCB-113)	1.2×10^{-1}		Fang Lee (2007)	Q	268
[68194-10-5]	3.0×10^{-2}		Dunnivant et al. (1992)	Q	
	2.1×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,4,4',5-pentachlorobiphenyl	5.3×10^{-2}		Fang et al. (2006)	M	
$C_{12}H_5Cl_5$	1.4×10^{-1}		Murphy et al. (1987)	M	9
(PCB-114)	1.2×10^{-2}	6400	Paasivirta and Sinkkonen (2009)	V	
[74472-37-0]	8.9×10^{-2}		Fang Lee (2007)	Q	267
	1.3×10^{-1}		Fang Lee (2007)	Q	268
	6.9×10^{-2}		Dunnivant et al. (1992)	Q	
	8.7×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,4,4',6-pentachlorobiphenyl	2.6×10^{-2}	6900	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	5.4×10^{-2}		Fang Lee (2007)	Q	267
(PCB-115)	1.1×10^{-1}		Fang Lee (2007)	Q	268
[74472-38-1]	4.0×10^{-2}		Dunnivant et al. (1992)	Q	
	3.2×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,4,5,6-pentachlorobiphenyl	4.3×10^{-3}	6500	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	9.9×10^{-2}		Fang Lee (2007)	Q	267
(PCB-116)	1.8×10^{-1}		Fang Lee (2007)	Q	268
[18259-05-7]	3.3×10^{-2}		Dunnivant et al. (1992)	Q	
	4.3×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,4',5,6-pentachlorobiphenyl	1.5×10^{-3}	5900	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	7.5×10^{-2}		Fang Lee (2007)	Q	267
(PCB-117)	1.7×10^{-1}		Fang Lee (2007)	Q	268
[68194-11-6]	4.1×10^{-2}		Dunnivant et al. (1992)	Q	
	4.0×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3',4,4',5-pentachlorobiphenyl	3.1×10^{-2}	6800	Li et al. (2003)	L	143
$C_{12}H_5Cl_5$	6.9×10^{-2}	7600	Li et al. (2003)	L	144
(PCB-118)	1.1×10^{-2}		Lau et al. (2006)	M	265
[31508-00-6]	5.6×10^{-3}		Lau et al. (2006)	M	266
	5.7×10^{-2}		Fang et al. (2006)	M	
	1.8×10^{-2}	14000	Charles and Destaillats (2005)	M	
	2.8×10^{-2}	6000	Bamford et al. (2000)	M	
	1.2×10^{-1}		Murphy et al. (1987)	M	9

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	6.6×10^{-3}	6000	Paasivirta and Sinkkonen (2009)	V	
	2.6×10^{-2}	8100	Paasivirta et al. (1999)	T	
	7.8×10^{-2}		Fang Lee (2007)	Q	267
	1.0×10^{-1}		Fang Lee (2007)	Q	268
		5600	Kühne et al. (2005)	Q	
	7.9×10^{-2}		Dunnivant et al. (1992)	Q	
	8.5×10^{-2}		Sabljić and Güsten (1989)	Q	
		6300	Kühne et al. (2005)	?	
2,3',4,4',6-pentachlorobiphenyl	1.5×10^{-2}	4600	Bamford et al. (2002)	M	
$C_{12}H_5Cl_5$	1.5×10^{-2}	6500	Paasivirta and Sinkkonen (2009)	V	
(PCB-119)	1.6×10^{-1}		Hilal et al. (2008)	Q	
[56558-17-9]	4.7×10^{-2}		Fang Lee (2007)	Q	267
	7.4×10^{-2}		Fang Lee (2007)	Q	268
	3.2×10^{-2}		Dunnivant et al. (1992)	Q	
	2.2×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3',4,5,5'-pentachlorobiphenyl	1.8×10^{-1}		Brunner et al. (1990)	M	
$C_{12}H_5Cl_5$	3.9×10^{-3}	6000	Paasivirta and Sinkkonen (2009)	V	
(PCB-120)	2.5×10^{-1}		Hilal et al. (2008)	Q	
[68194-12-7]	1.6×10^{-1}		Fang Lee (2007)	Q	267
	8.3×10^{-2}		Fang Lee (2007)	Q	268
	4.0×10^{-2}		Dunnivant et al. (1992)	Q	
	2.4×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3',4,5',6-pentachlorobiphenyl	8.5×10^{-3}	6500	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	9.6×10^{-2}		Fang Lee (2007)	Q	267
(PCB-121)	6.2×10^{-2}		Fang Lee (2007)	Q	268
[56558-18-0]	1.8×10^{-2}		Dunnivant et al. (1992)	Q	
	1.3×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,3',4',5'-pentachlorobiphenyl	1.6×10^{-1}		Murphy et al. (1987)	M	9
$C_{12}H_5Cl_5$	4.3×10^{-3}	5800	Paasivirta and Sinkkonen (2009)	V	
(PCB-122)	2.8×10^{-1}		Fang Lee (2007)	Q	267
[76842-07-4]	1.4×10^{-1}		Fang Lee (2007)	Q	268
	7.9×10^{-2}		Dunnivant et al. (1992)	Q	
	7.2×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3',4,4',5'-pentachlorobiphenyl	4.6×10^{-2}		Fang et al. (2006)	M	
$C_{12}H_5Cl_5$	3.7×10^{-3}	5800	Paasivirta and Sinkkonen (2009)	V	
(PCB-123)	1.4×10^{-1}		Fang Lee (2007)	Q	267
[65510-44-3]	9.3×10^{-2}		Fang Lee (2007)	Q	268
	5.7×10^{-2}		Dunnivant et al. (1992)	Q	
	3.8×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3',4',5,5'-pentachlorobiphenyl	1.9×10^{-1}		Murphy et al. (1987)	M	9
$C_{12}H_5Cl_5$	4.5×10^{-3}	5900	Paasivirta and Sinkkonen (2009)	V	
(PCB-124)	2.8×10^{-1}		Fang Lee (2007)	Q	267
[70424-70-3]	9.4×10^{-2}		Fang Lee (2007)	Q	268
	5.8×10^{-2}		Dunnivant et al. (1992)	Q	
	5.1×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3',4',5',6-pentachlorobiphenyl	2.3×10^{-3}	5800	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	1.5×10^{-1}		Fang Lee (2007)	Q	267
(PCB-125)	1.1×10^{-1}		Fang Lee (2007)	Q	268
[74472-39-2]	3.4×10^{-2}		Dunnivant et al. (1992)	Q	
	3.0×10^{-2}		Sabljić and Güsten (1989)	Q	
3,3',4,4',5-pentachlorobiphenyl	1.0×10^{-1}		Fang et al. (2006)	M	
$C_{12}H_5Cl_5$	4.8×10^{-2}	12000	Bamford et al. (2000)	M	
(PCB-126)	1.6×10^{-3}	5400	Paasivirta and Sinkkonen (2009)	V	
[57465-28-8]	6.5×10^{-2}	8800	Paasivirta et al. (1999)	T	
	1.7×10^{-1}		Fang Lee (2007)	Q	267
	1.0×10^{-1}		Fang Lee (2007)	Q	268
	1.2×10^{-1}		Dunnivant et al. (1992)	Q	
	1.8×10^{-1}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,3',4,5,5'-pentachlorobiphenyl	2.2×10^{-3}	5600	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_5Cl_5$	3.4×10^{-1}		Fang Lee (2007)	Q	267
(PCB-127)	8.4×10^{-2}		Fang Lee (2007)	Q	268
[39635-33-1]	6.3×10^{-2}		Dunnivant et al. (1992)	Q	
	2.9×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,3',4,4'-hexachlorobiphenyl	2.8×10^{-2}	14000	Bamford et al. (2000)	M	
$C_{12}H_4Cl_6$	7.6×10^{-1}		Brunner et al. (1990)	M	
(PCB-128)	3.3×10^{-1}		Dunnivant et al. (1988)	M	
[38380-07-3]	3.3×10^{-1}		Dunnivant and Elzerman (1988)	M	269
	1.7×10^{-1}		Murphy et al. (1987)	M	9
	6.9×10^{-3}	6100	Paasivirta and Sinkkonen (2009)	V	
	8.4×10^{-2}		Mackay et al. (2006b)	V	
	8.4×10^{-2}		Mackay et al. (1992a)	V	
	8.3×10^{-2}		Shiu and Mackay (1986)	V	
	2.0×10^{-2}		Murphy et al. (1983)	X	270, 271
	1.5×10^{-1}		Burkhard et al. (1985)	X	270
	1.8×10^{-1}		Hilal et al. (2008)	Q	
	1.5×10^{-1}		Fang Lee (2007)	Q	267
	2.4×10^{-1}		Fang Lee (2007)	Q	268
	9.5×10^{-2}		Dunnivant et al. (1992)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,3',4,5-hexachlorobiphenyl	3.4×10^{-1}		Brunner et al. (1990)	M	
$C_{12}H_4Cl_6$	6.4×10^{-3}	6400	Paasivirta and Sinkkonen (2009)	V	
(PCB-129)	1.6×10^{-1}		Hilal et al. (2008)	Q	
[55215-18-4]	2.9×10^{-1}		Fang Lee (2007)	Q	267
	2.6×10^{-1}		Fang Lee (2007)	Q	268
	7.1×10^{-2}		Dunnivant et al. (1992)	Q	
	1.2×10^{-1}		Sabljić and Güsten (1989)	Q	
2,2',3,3',4,5'-hexachlorobiphenyl	2.7×10^{-1}		Brunner et al. (1990)	M	
$C_{12}H_4Cl_6$	9.2×10^{-2}		Murphy et al. (1987)	M	9
(PCB-130)	5.9×10^{-3}	6500	Paasivirta and Sinkkonen (2009)	V	
[52663-66-8]	1.9×10^{-1}		Hilal et al. (2008)	Q	
	3.1×10^{-1}		Fang Lee (2007)	Q	267
	2.1×10^{-1}		Fang Lee (2007)	Q	268
	6.5×10^{-2}		Dunnivant et al. (1992)	Q	
	5.1×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,3',4,6-hexachlorobiphenyl	1.5×10^{-1}		Murphy et al. (1987)	M	9
$C_{12}H_4Cl_6$	3.0×10^{-3}	6500	Paasivirta and Sinkkonen (2009)	V	
(PCB-131)	1.6×10^{-1}		Hilal et al. (2008)	Q	
[61798-70-7]	1.7×10^{-1}		Fang Lee (2007)	Q	267
	1.9×10^{-1}		Fang Lee (2007)	Q	268
	4.1×10^{-2}		Dunnivant et al. (1992)	Q	
	3.8×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,3',4,6'-hexachlorobiphenyl	4.0×10^{-2}	2400	Bamford et al. (2002)	M	
$C_{12}H_4Cl_6$	2.2×10^{-1}		Brunner et al. (1990)	M	
(PCB-132)	4.1×10^{-3}	6400	Paasivirta and Sinkkonen (2009)	V	
[38380-05-1]	2.2×10^{-1}		Hilal et al. (2008)	Q	
	1.7×10^{-1}		Fang Lee (2007)	Q	267
	2.1×10^{-1}		Fang Lee (2007)	Q	268
	4.9×10^{-2}		Dunnivant et al. (1992)	Q	
	6.1×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,3',5,5'-hexachlorobiphenyl	4.1×10^{-3}	6500	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_4Cl_6$	1.8×10^{-1}		Hilal et al. (2008)	Q	
(PCB-133)	4.3×10^{-1}		Fang Lee (2007)	Q	267
[35694-04-3]	2.0×10^{-1}		Fang Lee (2007)	Q	268
	4.8×10^{-2}		Dunnivant et al. (1992)	Q	
	3.0×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,3',5,6-hexachlorobiphenyl	1.2×10^{-2}	7300	Bamford et al. (2002)	M	
$C_{12}H_4Cl_6$	2.0×10^{-1}		Brunner et al. (1990)	M	
(PCB-134)	1.0×10^{-1}		Murphy et al. (1987)	M	9
[52704-70-8]	2.8×10^{-3}	6400	Paasivirta and Sinkkonen (2009)	V	
	2.0×10^{-1}		Hilal et al. (2008)	Q	
	2.4×10^{-1}		Fang Lee (2007)	Q	267
	3.2×10^{-1}		Fang Lee (2007)	Q	268
	4.3×10^{-2}		Dunnivant et al. (1992)	Q	
	4.9×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,3',5,6'-hexachlorobiphenyl	1.5×10^{-2}	5500	Bamford et al. (2002)	M	
$C_{12}H_4Cl_6$	1.8×10^{-1}		Brunner et al. (1990)	M	
(PCB-135)	7.0×10^{-2}		Murphy et al. (1987)	M	9
[52744-13-5]	4.8×10^{-3}	6600	Paasivirta and Sinkkonen (2009)	V	
	2.3×10^{-1}		Hilal et al. (2008)	Q	
	2.4×10^{-1}		Fang Lee (2007)	Q	267
	2.1×10^{-1}		Fang Lee (2007)	Q	268
	3.7×10^{-2}		Dunnivant et al. (1992)	Q	
	3.2×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,3',6,6'-hexachlorobiphenyl	9.0×10^{-3}	5400	Bamford et al. (2002)	M	
$C_{12}H_4Cl_6$	1.1×10^{-1}		Brunner et al. (1990)	M	
(PCB-136)	4.4×10^{-2}		Murphy et al. (1987)	M	9
[38411-22-2]	1.6×10^{-3}	6300	Paasivirta and Sinkkonen (2009)	V	
	2.7×10^{-1}		Hilal et al. (2008)	Q	
	1.4×10^{-1}		Fang Lee (2007)	Q	267
	1.6×10^{-1}		Fang Lee (2007)	Q	268
	3.1×10^{-2}		Dunnivant et al. (1992)	Q	
	3.9×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,4,4',5-hexachlorobiphenyl	4.5×10^{-2}	3200	Bamford et al. (2002)	M	
$C_{12}H_4Cl_6$	1.5×10^{-1}		Murphy et al. (1987)	M	9
(PCB-137)	1.8×10^{-2}	6800	Paasivirta and Sinkkonen (2009)	V	
[35694-06-5]	1.4×10^{-1}		Fang Lee (2007)	Q	267
	1.7×10^{-1}		Fang Lee (2007)	Q	268
	5.3×10^{-2}		Dunnivant et al. (1992)	Q	
	4.7×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,4,4',5'-hexachlorobiphenyl	2.5×10^{-2}	7100	Li et al. (2003)	L	143
$C_{12}H_4Cl_6$	3.3×10^{-2}	7700	Li et al. (2003)	L	144
(PCB-138)	2.2×10^{-2}	10000	Bamford et al. (2000)	M	
[35065-28-2]	4.7×10^{-1}		Brunner et al. (1990)	M	
	1.3×10^{-1}		Murphy et al. (1987)	M	9
	1.8×10^{-2}	6800	Paasivirta and Sinkkonen (2009)	V	
	1.2×10^{-2}		Shiu and Mackay (1986)	V	
	4.7×10^{-2}	8700	Paasivirta et al. (1999)	T	
	1.8×10^{-1}		Hilal et al. (2008)	Q	
	1.6×10^{-1}		Fang Lee (2007)	Q	267
	1.8×10^{-1}		Fang Lee (2007)	Q	268
	7.6×10^{-2}		Dunnivant et al. (1992)	Q	
	9.2×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,4,4',6-hexachlorobiphenyl	1.4×10^{-2}	6900	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_4Cl_6$	8.6×10^{-2}		Fang Lee (2007)	Q	267
(PCB-139)	1.3×10^{-1}		Fang Lee (2007)	Q	268
[56030-56-9]	3.0×10^{-2}		Dunnivant et al. (1992)	Q	
	2.6×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,4,4',6'-hexachlorobiphenyl	1.7×10^{-2}	7000	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_4Cl_6$	8.5×10^{-2}		Fang Lee (2007)	Q	267
(PCB-140)	1.1×10^{-1}		Fang Lee (2007)	Q	268
[59291-64-4]	3.2×10^{-2}		Dunnivant et al. (1992)	Q	
	2.3×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,4,5,5'-hexachlorobiphenyl	2.0×10^{-2}	8400	Bamford et al. (2002)	M	
$C_{12}H_4Cl_6$	4.3×10^{-1}		Brunner et al. (1990)	M	
(PCB-141)	1.0×10^{-1}		Murphy et al. (1987)	M	9
[52712-04-6]	1.0×10^{-2}	6700	Paasivirta and Sinkkonen (2009)	V	
	2.5×10^{-2}		Shiu and Mackay (1986)	V	
	1.3×10^{-1}		Hilal et al. (2008)	Q	
	2.9×10^{-1}		Fang Lee (2007)	Q	267
	1.8×10^{-1}		Fang Lee (2007)	Q	268
	5.7×10^{-2}		Dunnivant et al. (1992)	Q	
	6.9×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,4,5,6-hexachlorobiphenyl	4.0×10^{-3}	6900	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_4Cl_6$	1.6×10^{-1}		Fang Lee (2007)	Q	267
(PCB-142)	2.4×10^{-1}		Fang Lee (2007)	Q	268
[41411-61-4]	3.1×10^{-2}		Dunnivant et al. (1992)	Q	
	4.7×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,4,5,6'-hexachlorobiphenyl	6.5×10^{-3}	6600	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_4Cl_6$	1.6×10^{-1}		Hilal et al. (2008)	Q	
(PCB-143)	1.6×10^{-1}		Fang Lee (2007)	Q	267
[68194-15-0]	1.9×10^{-1}		Fang Lee (2007)	Q	268
	3.4×10^{-2}		Dunnivant et al. (1992)	Q	
	3.9×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,4,5',6-hexachlorobiphenyl	7.0×10^{-2}		Murphy et al. (1987)	M	9
$C_{12}H_4Cl_6$	1.2×10^{-2}	7000	Paasivirta and Sinkkonen (2009)	V	
(PCB-144)	1.7×10^{-2}		Shiu and Mackay (1986)	V	
[68194-14-9]	1.8×10^{-1}		Fang Lee (2007)	Q	267
	1.4×10^{-1}		Fang Lee (2007)	Q	268
	3.3×10^{-2}		Dunnivant et al. (1992)	Q	
	3.1×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,4,6,6'-hexachlorobiphenyl	1.5×10^{-3}	6400	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_4Cl_6$	9.6×10^{-2}		Fang Lee (2007)	Q	267
(PCB-145)	1.1×10^{-1}		Fang Lee (2007)	Q	268
[74472-40-5]	2.1×10^{-2}		Dunnivant et al. (1992)	Q	
	2.4×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,4',5,5'-hexachlorobiphenyl	1.7×10^{-2}	7100	Bamford et al. (2002)	M	
$C_{12}H_4Cl_6$	3.9×10^{-1}		Brunner et al. (1990)	M	
(PCB-146)	1.1×10^{-1}		Murphy et al. (1987)	M	9
[51908-16-8]	1.2×10^{-2}	6800	Paasivirta and Sinkkonen (2009)	V	
	2.0×10^{-1}		Hilal et al. (2008)	Q	
	2.2×10^{-1}		Fang Lee (2007)	Q	267
	1.6×10^{-1}		Fang Lee (2007)	Q	268
	5.3×10^{-2}		Dunnivant et al. (1992)	Q	
	4.0×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,4',5,6-hexachlorobiphenyl	1.9×10^{-1}		Brunner et al. (1990)	M	
$C_{12}H_4Cl_6$	3.1×10^{-3}	6500	Paasivirta and Sinkkonen (2009)	V	
(PCB-147)	1.8×10^{-1}		Hilal et al. (2008)	Q	
[68194-13-8]	1.2×10^{-1}		Fang Lee (2007)	Q	267
	2.1×10^{-1}		Fang Lee (2007)	Q	268
	3.1×10^{-2}		Dunnivant et al. (1992)	Q	
	3.1×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,4',5,6'-hexachlorobiphenyl	1.2×10^{-2}	7000	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_4Cl_6$	1.2×10^{-1}		Fang Lee (2007)	Q	267
(PCB-148)	1.0×10^{-1}		Fang Lee (2007)	Q	268
[74472-41-6]	2.3×10^{-2}		Dunnivant et al. (1992)	Q	
	1.7×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,4',5',6-hexachlorobiphenyl	1.5×10^{-2}	5500	Bamford et al. (2002)	M	
$C_{12}H_4Cl_6$	6.7×10^{-2}		Murphy et al. (1987)	M	9
(PCB-149)	1.0×10^{-2}	6800	Paasivirta and Sinkkonen (2009)	V	
[38380-04-0]	3.3×10^{-2}		Shiu and Mackay (1986)	V	
	1.3×10^{-1}		Fang Lee (2007)	Q	267
	1.7×10^{-1}		Fang Lee (2007)	Q	268
	4.2×10^{-2}		Dunnivant et al. (1992)	Q	
	4.5×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,4',6,6'-hexachlorobiphenyl	6.5×10^{-3}	6900	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_4Cl_6$	7.2×10^{-2}		Fang Lee (2007)	Q	267
(PCB-150)	8.0×10^{-2}		Fang Lee (2007)	Q	268
[68194-08-1]	2.0×10^{-2}		Dunnivant et al. (1992)	Q	
	1.9×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,5,5',6-hexachlorobiphenyl	1.4×10^{-2}	4500	Bamford et al. (2002)	M	
$C_{12}H_4Cl_6$	1.7×10^{-1}		Brunner et al. (1990)	M	
(PCB-151)	6.3×10^{-2}		Murphy et al. (1987)	M	9
[52663-63-5]	5.2×10^{-3}	6700	Paasivirta and Sinkkonen (2009)	V	
	3.3×10^{-2}		Shiu and Mackay (1986)	V	
	1.6×10^{-1}		Hilal et al. (2008)	Q	
	2.4×10^{-1}		Fang Lee (2007)	Q	267
	2.4×10^{-1}		Fang Lee (2007)	Q	268
	3.5×10^{-2}		Dunnivant et al. (1992)	Q	
	3.8×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',3,5,6,6'-hexachlorobiphenyl	1.3×10^{-3}	6300	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_4Cl_6$	1.3×10^{-1}		Fang Lee (2007)	Q	267
(PCB-152)	1.9×10^{-1}		Fang Lee (2007)	Q	268
[68194-09-2]	2.3×10^{-2}		Dunnivant et al. (1992)	Q	
	2.8×10^{-2}		Sabljić and Güsten (1989)	Q	
2,2',4,4',5,5'-hexachlorobiphenyl	4.0×10^{-2}	7100	Li et al. (2003)	L	143
$C_{12}H_4Cl_6$	5.1×10^{-2}	7900	Li et al. (2003)	L	144
(PCB-153)	1.9×10^{-2}	8000	Bamford et al. (2000)	M	
[35065-27-1]	4.3×10^{-1}		Brunner et al. (1990)	M	
	7.5×10^{-2}		Dunnivant et al. (1988)	M	
	7.5×10^{-2}		Dunnivant and Elzerman (1988)	M	269
	1.0×10^{-1}		Murphy et al. (1987)	M	9
	1.6×10^{-1}		Oliver (1985)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.1×10^{-2}	6700	Paasivirta and Sinkkonen (2009)	V	
	2.3×10^{-2}		Mackay et al. (2006b)	V	
	2.3×10^{-2}		Mackay et al. (1992a)	V	
	2.3×10^{-2}		Shiu and Mackay (1986)	V	
	1.7×10^{-2}	8400	Paasivirta et al. (1999)	T	
	2.8×10^{-2}		Murphy et al. (1983)	X	270, 271
	5.6×10^{-2}		Burkhard et al. (1985)	X	270
	8.0×10^{-2}		Dunnivant et al. (1988)	C	
	1.8×10^{-1}		Hilal et al. (2008)	Q	
	1.2×10^{-1}		Fang Lee (2007)	Q	267
	1.4×10^{-1}		Fang Lee (2007)	Q	268
	6.0×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',4,4',5,6'-hexachlorobiphenyl	1.3×10^{-2}	5600	Bamford et al. (2000)	M	
$C_{12}H_4Cl_6$	1.7×10^{-2}	7100	Paasivirta and Sinkkonen (2009)	V	
(PCB-154)	6.8×10^{-2}		Fang Lee (2007)	Q	267
[60145-22-4]	8.7×10^{-2}		Fang Lee (2007)	Q	268
	2.6×10^{-2}		Dunnivant et al. (1992)	Q	
	2.0×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',4,4',6,6'-hexachlorobiphenyl	1.3×10^{-2}	7100	Li et al. (2003)	L	143
$C_{12}H_4Cl_6$	1.1×10^{-2}	7600	Li et al. (2003)	L	144
(PCB-155)	1.3×10^{-2}		Dunnivant et al. (1988)	M	
[33979-03-2]	1.3×10^{-2}		Dunnivant and Elzerman (1988)	M	269
	4.6×10^{-3}	6900	Paasivirta and Sinkkonen (2009)	V	
	1.2×10^{-2}		Mackay et al. (2006b)	V	
	1.2×10^{-2}		Mackay et al. (1992a)	V	
	1.2×10^{-3}		Shiu and Mackay (1986)	V	
	6.4×10^{-3}		Burkhard et al. (1985)	X	270
	8.6×10^{-2}		Dunnivant et al. (1988)	C	
	4.2×10^{-2}		Fang Lee (2007)	Q	267
	4.2×10^{-2}		Fang Lee (2007)	Q	268
	1.2×10^{-2}		Dunnivant et al. (1992)	Q	
2,3,3',4,4',5-hexachlorobiphenyl	6.8×10^{-2}		Fang et al. (2006)	M	
$C_{12}H_4Cl_6$	2.9×10^{-2}	13000	Bamford et al. (2002)	M	
(PCB-156)	5.9×10^{-3}	6200	Paasivirta and Sinkkonen (2009)	V	
[38380-08-4]	1.1×10^{-2}		Shiu and Mackay (1986)	V	
	1.8×10^{-1}		Fang Lee (2007)	Q	267
	2.0×10^{-1}		Fang Lee (2007)	Q	268
	1.1×10^{-1}		Dunnivant et al. (1992)	Q	
	4.5×10^{-1}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,3',4,4',5'-hexachlorobiphenyl	6.0×10^{-2}		Fang et al. (2006)	M	
$C_{12}H_4Cl_6$	3.4×10^{-2}	16000	Bamford et al. (2002)	M	
(PCB-157)	2.3×10^{-3}	5900	Paasivirta and Sinkkonen (2009)	V	
[69782-90-7]	1.7×10^{-2}		Shiu and Mackay (1986)	V	
	1.9×10^{-1}		Fang Lee (2007)	Q	267
	2.0×10^{-1}		Fang Lee (2007)	Q	268
		6300	Kühne et al. (2005)	Q	
	1.2×10^{-1}		Dunnivant et al. (1992)	Q	
	1.5×10^{-1}		Sabljić and Güsten (1989)	Q	
		5100	Kühne et al. (2005)	?	
2,3,3',4,4',6-hexachlorobiphenyl	2.1×10^{-2}	9600	Bamford et al. (2002)	M	
$C_{12}H_4Cl_6$	2.3×10^{-1}		Murphy et al. (1987)	M	9
(PCB-158)	9.2×10^{-3}	6600	Paasivirta and Sinkkonen (2009)	V	
[74472-42-7]	1.5×10^{-2}		Shiu and Mackay (1986)	V	
	1.1×10^{-1}		Fang Lee (2007)	Q	267
	1.9×10^{-1}		Fang Lee (2007)	Q	268
	6.0×10^{-2}		Dunnivant et al. (1992)	Q	
	4.6×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,3',4,5,5'-hexachlorobiphenyl	4.9×10^{-1}		Brunner et al. (1990)	M	
$C_{12}H_4Cl_6$	2.9×10^{-3}	6100	Paasivirta and Sinkkonen (2009)	V	
(PCB-159)	2.6×10^{-1}		Hilal et al. (2008)	Q	
[39635-35-3]	3.6×10^{-1}		Fang Lee (2007)	Q	267
	1.8×10^{-1}		Fang Lee (2007)	Q	268
	6.3×10^{-2}		Dunnivant et al. (1992)	Q	
	3.2×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,3',4,5,6-hexachlorobiphenyl	4.9×10^{-1}		Brunner et al. (1990)	M	
$C_{12}H_4Cl_6$	7.9×10^{-3}	7100	Paasivirta and Sinkkonen (2009)	V	
(PCB-160)	1.2×10^{-1}		Hilal et al. (2008)	Q	
[41411-62-5]	2.0×10^{-1}		Fang Lee (2007)	Q	267
	3.3×10^{-1}		Fang Lee (2007)	Q	268
	4.6×10^{-2}		Dunnivant et al. (1992)	Q	
	3.9×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,3',4,5',6-hexachlorobiphenyl	9.2×10^{-3}	6800	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_4Cl_6$	2.2×10^{-1}		Fang Lee (2007)	Q	267
(PCB-161)	1.7×10^{-1}		Fang Lee (2007)	Q	268
[74472-43-8]	3.5×10^{-2}		Dunnivant et al. (1992)	Q	
	2.0×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,3',4',5,5'-hexachlorobiphenyl	3.7×10^{-3}	6200	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_4Cl_6$	2.7×10^{-1}		Fang Lee (2007)	Q	267
(PCB-162)	1.8×10^{-1}		Fang Lee (2007)	Q	268
[39635-34-2]	7.5×10^{-2}		Dunnivant et al. (1992)	Q	
	4.8×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,3',4',5,6-hexachlorobiphenyl	2.1×10^{-2}	9700	Bamford et al. (2002)	M	
$C_{12}H_4Cl_6$	6.6×10^{-1}		Brunner et al. (1990)	M	
(PCB-163)	4.9×10^{-3}	6400	Paasivirta and Sinkkonen (2009)	V	
[74472-44-9]	2.5×10^{-1}		Hilal et al. (2008)	Q	
	1.5×10^{-1}		Fang Lee (2007)	Q	267
	3.1×10^{-1}		Fang Lee (2007)	Q	268
	6.0×10^{-2}		Dunnivant et al. (1992)	Q	
	6.3×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,3',4',5',6-hexachlorobiphenyl	9.5×10^{-3}	6500	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_4Cl_6$	1.6×10^{-1}		Fang Lee (2007)	Q	267
(PCB-164)	2.3×10^{-1}		Fang Lee (2007)	Q	268
[74472-45-0]	5.6×10^{-2}		Dunnivant et al. (1992)	Q	
	5.0×10^{-2}		Sabljić and Güsten (1989)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,3',5,5',6-hexachlorobiphenyl	3.4×10^{-1}		Brunner et al. (1990)	M	
$C_{12}H_4Cl_6$	2.5×10^{-3}	6400	Paasivirta and Sinkkonen (2009)	V	
(PCB-165)	1.6×10^{-1}		Hilal et al. (2008)	Q	
[74472-46-1]	3.0×10^{-1}		Fang Lee (2007)	Q	267
	2.9×10^{-1}		Fang Lee (2007)	Q	268
	3.6×10^{-2}		Dunnivant et al. (1992)	Q	
	2.2×10^{-2}		Sabljić and Güsten (1989)	Q	
2,3,4,4',5,6-hexachlorobiphenyl	3.5×10^{-3}	6500	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_4Cl_6$	1.2×10^{-1}		Hilal et al. (2008)	Q	
(PCB-166)	9.8×10^{-2}		Fang Lee (2007)	Q	267
[41411-63-6]	2.9×10^{-1}		Fang Lee (2007)	Q	268
		4100	Kühne et al. (2005)	Q	
	5.4×10^{-2}		Dunnivant et al. (1992)	Q	
	5.7×10^{-2}		Sabljić and Güsten (1989)	Q	
		5800	Kühne et al. (2005)	?	
2,3',4,4',5,5'-hexachlorobiphenyl	7.8×10^{-2}		Fang et al. (2006)	M	
$C_{12}H_4Cl_6$	2.7×10^{-2}	13000	Bamford et al. (2002)	M	
(PCB-167)	7.3×10^{-3}	6400	Paasivirta and Sinkkonen (2009)	V	
[52663-72-6]	1.6×10^{-1}		Fang Lee (2007)	Q	267
	1.4×10^{-1}		Fang Lee (2007)	Q	268
	9.0×10^{-2}		Dunnivant et al. (1992)	Q	
	8.0×10^{-2}		Sabljić and Güsten (1989)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3',4,4',5',6-hexachlorobiphenyl	1.1×10^{-2}	6700	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_4Cl_6$	9.4×10^{-2}		Fang Lee (2007)	Q	267
(PCB-168)	1.2×10^{-1}		Fang Lee (2007)	Q	268
[59291-65-5]	3.6×10^{-2}		Dunnivant et al. (1992)	Q	
	2.1×10^{-2}		Sabljić and Güsten (1989)	Q	
3,3',4,4',5,5'-hexachlorobiphenyl	8.1×10^{-2}		Fang et al. (2006)	M	
$C_{12}H_4Cl_6$	4.7×10^{-2}	19000	Bamford et al. (2002)	M	
(PCB-169)	4.0×10^{-4}	5100	Paasivirta and Sinkkonen (2009)	V	
[32774-16-6]	2.3×10^{-2}	9000	Paasivirta et al. (1999)	T	
	3.4×10^{-1}		Fang Lee (2007)	Q	267
	1.3×10^{-1}		Fang Lee (2007)	Q	268
	1.5×10^{-1}		Dunnivant et al. (1992)	Q	
	1.7×10^{-1}		Sabljić and Güsten (1989)	Q	
2,2',3,3',4,4',5-heptachlorobiphenyl	4.8×10^{-2}	20000	Bamford et al. (2000)	M	
$C_{12}H_3Cl_7$	1.1		Brunner et al. (1990)	M	
(PCB-170)	6.6×10^{-1}		Murphy et al. (1987)	M	9
[35065-30-6]	7.8×10^{-3}	6600	Paasivirta and Sinkkonen (2009)	V	
	2.1×10^{-1}		Hilal et al. (2008)	Q	
	2.8×10^{-1}		Fang Lee (2007)	Q	267
	4.0×10^{-1}		Fang Lee (2007)	Q	268
	1.1×10^{-1}		Dunnivant et al. (1992)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,3',4,4',6-heptachlorobiphenyl	1.3×10^{-2}	7100	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_3Cl_7$	1.9×10^{-1}		Mackay et al. (2006b)	V	
(PCB-171)	1.9×10^{-1}		Mackay et al. (1992a)	V	
[52663-71-5]	1.9×10^{-1}		Shiu and Mackay (1986)	V	
	2.1×10^{-1}		Hilal et al. (2008)	Q	
	1.7×10^{-1}		Fang Lee (2007)	Q	267
	3.1×10^{-1}		Fang Lee (2007)	Q	268
	5.7×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,3',4,5,5'-heptachlorobiphenyl	7.6×10^{-1}		Brunner et al. (1990)	M	
$C_{12}H_3Cl_7$	8.3×10^{-3}	6800	Paasivirta and Sinkkonen (2009)	V	
(PCB-172)	5.6×10^{-1}		Fang Lee (2007)	Q	267
[52663-74-8]	3.8×10^{-1}		Fang Lee (2007)	Q	268
	8.3×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,3',4,5,6-heptachlorobiphenyl	7.0×10^{-1}		Brunner et al. (1990)	M	
$C_{12}H_3Cl_7$	1.3×10^{-3}	6500	Paasivirta and Sinkkonen (2009)	V	
(PCB-173)	1.8×10^{-1}		Hilal et al. (2008)	Q	
[68194-16-1]	3.1×10^{-1}		Fang Lee (2007)	Q	267
	5.9×10^{-1}		Fang Lee (2007)	Q	268
	5.4×10^{-2}		Dunnivant et al. (1992)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,3',4,5,6'-heptachlorobiphenyl	2.2×10^{-2}	14000	Bamford et al. (2002)	M	
$C_{12}H_3Cl_7$	7.0×10^{-1}		Brunner et al. (1990)	M	
(PCB-174)	2.0×10^{-1}		Murphy et al. (1987)	M	9
[38411-25-5]	5.4×10^{-3}	6700	Paasivirta and Sinkkonen (2009)	V	
	2.6×10^{-1}		Hilal et al. (2008)	Q	
	3.1×10^{-1}		Fang Lee (2007)	Q	267
	4.3×10^{-1}		Fang Lee (2007)	Q	268
	5.8×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,3',4,5',6-heptachlorobiphenyl	1.0×10^{-2}	7200	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_3Cl_7$	3.4×10^{-1}		Fang Lee (2007)	Q	267
(PCB-175)	3.0×10^{-1}		Fang Lee (2007)	Q	268
[40186-70-7]	4.4×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,3',4,6,6'-heptachlorobiphenyl	1.1×10^{-1}		Murphy et al. (1987)	M	9
$C_{12}H_3Cl_7$	8.5×10^{-3}	7200	Paasivirta and Sinkkonen (2009)	V	
(PCB-176)	1.9×10^{-1}		Fang Lee (2007)	Q	267
[52663-65-7]	2.6×10^{-1}		Fang Lee (2007)	Q	268
	3.3×10^{-2}		Dunnivant et al. (1992)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,3',4,5',6'-heptachlorobiphenyl	2.1×10^{-2}	13000	Bamford et al. (2002)	M	
$C_{12}H_3Cl_7$	3.0×10^{-1}		Murphy et al. (1987)	M	9
(PCB-177)	3.4×10^{-3}	6600	Paasivirta and Sinkkonen (2009)	V	
[52663-70-4]	2.4×10^{-1}		Fang Lee (2007)	Q	267
	5.3×10^{-1}		Fang Lee (2007)	Q	268
	6.0×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,3',5,5',6-heptachlorobiphenyl	1.5×10^{-2}	11000	Bamford et al. (2002)	M	
$C_{12}H_3Cl_7$	4.3×10^{-1}		Brunner et al. (1990)	M	
(PCB-178)	1.5×10^{-1}		Murphy et al. (1987)	M	9
[52663-67-9]	1.0×10^{-2}	7200	Paasivirta and Sinkkonen (2009)	V	
	2.7×10^{-1}		Hilal et al. (2008)	Q	
	4.8×10^{-1}		Fang Lee (2007)	Q	267
	5.6×10^{-1}		Fang Lee (2007)	Q	268
	4.6×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,3',5,6,6'-heptachlorobiphenyl	4.1×10^{-1}		Brunner et al. (1990)	M	
$C_{12}H_3Cl_7$	4.2×10^{-3}	7000	Paasivirta and Sinkkonen (2009)	V	
(PCB-179)	3.1×10^{-1}		Hilal et al. (2008)	Q	
[52663-64-6]	2.6×10^{-1}		Fang Lee (2007)	Q	267
	4.8×10^{-1}		Fang Lee (2007)	Q	268
	3.6×10^{-2}		Dunnivant et al. (1992)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,4,4',5,5'-heptachlorobiphenyl	1.7×10^{-1}	7300	Li et al. (2003)	L	143
$C_{12}H_3Cl_7$	1.2×10^{-1}	7900	Li et al. (2003)	L	144
(PCB-180)	2.7×10^{-2}	17000	Bamford et al. (2000)	M	
[35065-29-3]	9.9×10^{-1}		Brunner et al. (1990)	M	
	3.1×10^{-1}		Murphy et al. (1987)	M	9
	1.5×10^{-2}	6900	Paasivirta and Sinkkonen (2009)	V	
	2.5×10^{-2}	9000	Paasivirta et al. (1999)	T	
	2.1×10^{-1}		Hilal et al. (2008)	Q	
	2.8×10^{-1}		Fang Lee (2007)	Q	267
	3.0×10^{-1}		Fang Lee (2007)	Q	268
	9.2×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,4,4',5,6-heptachlorobiphenyl	1.2×10^{-2}	7200	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_3Cl_7$	1.6×10^{-1}		Fang Lee (2007)	Q	267
(PCB-181)	3.8×10^{-1}		Fang Lee (2007)	Q	268
[74472-47-2]	4.3×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,4,4',5,6'-heptachlorobiphenyl	1.7×10^{-2}	12000	Bamford et al. (2002)	M	
$C_{12}H_3Cl_7$	1.7×10^{-2}	7200	Paasivirta and Sinkkonen (2009)	V	
(PCB-182)	1.5×10^{-1}		Fang Lee (2007)	Q	267
[60145-23-5]	2.1×10^{-1}		Fang Lee (2007)	Q	268
	3.8×10^{-2}		Dunnivant et al. (1992)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,4,4',5',6-heptachlorobiphenyl	1.7×10^{-2}	12000	Bamford et al. (2002)	M	
$C_{12}H_3Cl_7$	1.5×10^{-1}		Murphy et al. (1987)	M	9
(PCB-183)	2.4×10^{-2}	7400	Paasivirta and Sinkkonen (2009)	V	
[52663-69-1]	1.7×10^{-1}		Fang Lee (2007)	Q	267
	2.5×10^{-1}		Fang Lee (2007)	Q	268
	4.9×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,4,4',6,6'-heptachlorobiphenyl	8.1×10^{-3}	7200	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_3Cl_7$	9.4×10^{-2}		Fang Lee (2007)	Q	267
(PCB-184)	1.3×10^{-1}		Fang Lee (2007)	Q	268
[74472-48-3]	2.2×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,4,5,5',6-heptachlorobiphenyl	6.2×10^{-1}		Brunner et al. (1990)	M	
$C_{12}H_3Cl_7$	4.9×10^{-3}	7000	Paasivirta and Sinkkonen (2009)	V	
(PCB-185)	1.5×10^{-1}		Hilal et al. (2008)	Q	
[52712-05-7]	3.1×10^{-1}		Fang Lee (2007)	Q	267
	4.3×10^{-1}		Fang Lee (2007)	Q	268
	4.6×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,4,5,6,6'-heptachlorobiphenyl	9.6×10^{-4}	6500	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_3Cl_7$	1.7×10^{-1}		Fang Lee (2007)	Q	267
(PCB-186)	3.7×10^{-1}		Fang Lee (2007)	Q	268
[74472-49-4]	2.7×10^{-2}		Dunnivant et al. (1992)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,4',5,5',6-heptachlorobiphenyl	1.6×10^{-2}	12000	Bamford et al. (2000)	M	
$C_{12}H_3Cl_7$	1.2×10^{-1}		Murphy et al. (1987)	M	9
(PCB-187)	1.3×10^{-2}	7200	Paasivirta and Sinkkonen (2009)	V	
[52663-68-0]	2.4×10^{-1}		Fang Lee (2007)	Q	267
	4.3×10^{-1}		Fang Lee (2007)	Q	268
	4.9×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,4',5,6,6'-heptachlorobiphenyl	8.8×10^{-3}	7500	Bamford et al. (2000)	M	
$C_{12}H_3Cl_7$	4.8×10^{-3}	7100	Paasivirta and Sinkkonen (2009)	V	
(PCB-188)	1.3×10^{-1}		Fang Lee (2007)	Q	267
[74487-85-7]	2.3×10^{-1}		Fang Lee (2007)	Q	268
	2.2×10^{-2}		Dunnivant et al. (1992)	Q	
2,3,3',4,4',5,5'-heptachlorobiphenyl	8.4×10^{-2}		Fang et al. (2006)	M	
$C_{12}H_3Cl_7$	4.1×10^{-3}	6300	Paasivirta and Sinkkonen (2009)	V	
(PCB-189)	3.4×10^{-1}		Fang Lee (2007)	Q	267
[39635-31-9]	3.0×10^{-1}		Fang Lee (2007)	Q	268
	1.5×10^{-1}		Dunnivant et al. (1992)	Q	
2,3,3',4,4',5,6-heptachlorobiphenyl	1.5×10^{-2}	7000	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_3Cl_7$	1.9×10^{-1}		Fang Lee (2007)	Q	267
(PCB-190)	5.3×10^{-1}		Fang Lee (2007)	Q	268
[41411-64-7]	8.8×10^{-2}		Dunnivant et al. (1992)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,3',4,4',5',6-heptachlorobiphenyl	2.1×10^{-2}	7200	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_3Cl_7$	2.1×10^{-1}		Fang Lee (2007)	Q	267
(PCB-191)	3.2×10^{-1}		Fang Lee (2007)	Q	268
[74472-50-7]	7.4×10^{-2}		Dunnivant et al. (1992)	Q	
2,3,3',4,5,5',6-heptachlorobiphenyl	4.9×10^{-3}	6900	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_3Cl_7$	3.8×10^{-1}		Fang Lee (2007)	Q	267
(PCB-192)	5.0×10^{-1}		Fang Lee (2007)	Q	268
[74472-51-8]	5.2×10^{-2}		Dunnivant et al. (1992)	Q	
2,3,3',4',5,5',6-heptachlorobiphenyl	3.2×10^{-2}	17000	Bamford et al. (2002)	M	
$C_{12}H_3Cl_7$	7.5×10^{-3}	6800	Paasivirta and Sinkkonen (2009)	V	
(PCB-193)	2.9×10^{-1}		Fang Lee (2007)	Q	267
[69782-91-8]	5.6×10^{-1}		Fang Lee (2007)	Q	268
	7.3×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,3',4,4',5,5'-octachlorobiphenyl	1.5×10^{-1}	7500	Li et al. (2003)	L	143
$C_{12}H_2Cl_8$	2.3×10^{-1}	8200	Li et al. (2003)	L	144
(PCB-194)	1.0×10^{-1}	20000	Bamford et al. (2002)	M	
[35694-08-7]	9.9×10^{-1}		Brunner et al. (1990)	M	
	8.0×10^{-3}	6900	Paasivirta and Sinkkonen (2009)	V	
	2.3×10^{-1}		Hilal et al. (2008)	Q	
	5.6×10^{-1}		Fang Lee (2007)	Q	267
	7.1×10^{-1}		Fang Lee (2007)	Q	268
		6500	Kühne et al. (2005)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.5×10^{-1}		Dunnivant et al. (1992)	Q	
		6600	Kühne et al. (2005)	?	
2,2',3,3',4,4',5,6-octachlorobiphenyl	7.1×10^{-2}	20000	Bamford et al. (2000)	M	
$C_{12}H_2Cl_8$	9.0×10^{-1}		Brunner et al. (1990)	M	
(PCB-195)	7.1×10^{-3}	7100	Paasivirta and Sinkkonen (2009)	V	
[52663-78-2]	2.4×10^{-1}		Hilal et al. (2008)	Q	
	3.1×10^{-1}		Fang Lee (2007)	Q	267
	1.0		Fang Lee (2007)	Q	268
	8.3×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,3',4,4',5,6'-octachlorobiphenyl	9.9×10^{-1}		Brunner et al. (1990)	M	
$C_{12}H_2Cl_8$	1.8×10^{-2}	7400	Paasivirta and Sinkkonen (2009)	V	
(PCB-196)	2.2×10^{-1}		Hilal et al. (2008)	Q	
[42740-50-1]	3.4×10^{-1}		Fang Lee (2007)	Q	267
	6.2×10^{-1}		Fang Lee (2007)	Q	268
	7.6×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,3',4,4',6,6'-octachlorobiphenyl	1.3×10^{-2}	7600	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_2Cl_8$	1.9×10^{-1}		Fang Lee (2007)	Q	267
(PCB-197)	4.2×10^{-1}		Fang Lee (2007)	Q	268
[33091-17-7]	3.9×10^{-2}		Dunnivant et al. (1992)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,3',4,5,5',6-octachlorobiphenyl	7.0×10^{-1}		Brunner et al. (1990)	M	
$C_{12}H_2Cl_8$	3.5×10^{-3}	7000	Paasivirta and Sinkkonen (2009)	V	
(PCB-198)	2.5×10^{-1}		Hilal et al. (2008)	Q	
[68194-17-2]	6.2×10^{-1}		Fang Lee (2007)	Q	267
	1.0		Fang Lee (2007)	Q	268
	6.4×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,3',4,5,5',6'-octachlorobiphenyl	9.9×10^{-1}		Brunner et al. (1990)	M	
$C_{12}H_2Cl_8$	3.4×10^{-3}	7000	Paasivirta and Sinkkonen (2009)	V	
(PCB-199)	2.7×10^{-1}		Hilal et al. (2008)	Q	
[52663-75-9]	6.2×10^{-1}		Fang Lee (2007)	Q	267
	9.1×10^{-1}		Fang Lee (2007)	Q	268
	4.3×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,3',4,5,6,6'-octachlorobiphenyl	7.6×10^{-3}	7200	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_2Cl_8$	3.4×10^{-1}		Fang Lee (2007)	Q	267
(PCB-200)	7.7×10^{-1}		Fang Lee (2007)	Q	268
[52663-73-7]	4.1×10^{-2}		Dunnivant et al. (1992)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,3',4,5',6,6'-octachlorobiphenyl	1.0×10^{-2}	17000	Bamford et al. (2000)	M	
$C_{12}H_2Cl_8$	5.8×10^{-1}		Brunner et al. (1990)	M	
(PCB-201)	1.2×10^{-2}	7500	Paasivirta and Sinkkonen (2009)	V	
[40186-71-8]	2.9×10^{-1}		Hilal et al. (2008)	Q	
	3.7×10^{-1}		Fang Lee (2007)	Q	267
	1.1		Fang Lee (2007)	Q	268
	7.6×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,3',5,5',6,6'-octachlorobiphenyl	5.5×10^{-1}		Brunner et al. (1990)	M	
$C_{12}H_2Cl_8$	5.0×10^{-3}	7300	Paasivirta and Sinkkonen (2009)	V	
(PCB-202)	2.6×10^{-2}		Mackay et al. (2006b)	V	
[2136-99-4]	2.6×10^{-2}		Mackay et al. (1992a)	V	
	2.7×10^{-2}		Shiu and Mackay (1986)	V	
	3.7×10^{-1}		Hilal et al. (2008)	Q	
	5.3×10^{-1}		Fang Lee (2007)	Q	267
	1.4		Fang Lee (2007)	Q	268
		4700	Kühne et al. (2005)	Q	
	4.4×10^{-2}		Dunnivant et al. (1992)	Q	
		5000	Kühne et al. (2005)	?	
2,2',3,4,4',5,5',6-octachlorobiphenyl	3.2×10^{-2}	7800	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_2Cl_8$	3.1×10^{-1}		Fang Lee (2007)	Q	267
(PCB-203)	7.7×10^{-1}		Fang Lee (2007)	Q	268
[52663-76-0]	7.0×10^{-2}		Dunnivant et al. (1992)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,4,4',5,6,6'-octachlorobiphenyl	1.1×10^{-2}	7800	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_2Cl_8$	1.7×10^{-1}		Fang Lee (2007)	Q	267
(PCB-204)	4.5×10^{-1}		Fang Lee (2007)	Q	268
[74472-52-9]	2.9×10^{-2}		Dunnivant et al. (1992)	Q	
2,3,3',4,4',5,5',6-octachlorobiphenyl	4.4×10^{-3}	6800	Paasivirta and Sinkkonen (2009)	V	
$C_{12}H_2Cl_8$	3.8×10^{-1}		Fang Lee (2007)	Q	267
(PCB-205)	9.1×10^{-1}		Fang Lee (2007)	Q	268
[74472-53-0]	1.1×10^{-1}		Dunnivant et al. (1992)	Q	
2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	2.1×10^{-3}	7300	Paasivirta and Sinkkonen (2009)	V	
$C_{12}HCl_9$	1.2		Mackay et al. (2006b)	V	
(PCB-206)	1.2×10^{-2}		Mackay et al. (1992a)	V	
[40186-72-9]	6.2×10^{-1}		Fang Lee (2007)	Q	267
	2.0		Fang Lee (2007)	Q	268
	1.1×10^{-1}		Dunnivant et al. (1992)	Q	
2,2',3,3',4,4',5,6,6'-nonachlorobiphenyl	1.8×10^{-3}	7500	Paasivirta and Sinkkonen (2009)	V	
$C_{12}HCl_9$	3.3×10^{-1}		Fang Lee (2007)	Q	267
(PCB-207)	1.4		Fang Lee (2007)	Q	268
[52663-79-3]	5.8×10^{-2}		Dunnivant et al. (1992)	Q	
2,2',3,3',4,5,5',6,6'-nonachlorobiphenyl	3.0×10^{-3}	7700	Paasivirta and Sinkkonen (2009)	V	
$C_{12}HCl_9$	6.7×10^{-1}		Fang Lee (2007)	Q	267
(PCB-208)	2.5		Fang Lee (2007)	Q	268
[52663-77-1]	5.9×10^{-2}		Dunnivant et al. (1992)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
decachlorobiphenyl	6.7×10^{-4}	7200	Paasivirta and Sinkkonen (2009)	V	
$C_{12}Cl_{10}$			Mackay et al. (2006b)	V	258
(PCB-209)	4.8×10^{-2}		Mackay et al. (1992a)	V	
[2051-24-3]	4.8×10^{-2}		Shiu and Mackay (1986)	V	
	3.1×10^{-1}		Hilal et al. (2008)	Q	
	6.7×10^{-1}		Fang Lee (2007)	Q	267
	5.0		Fang Lee (2007)	Q	268
		6100	Kühne et al. (2005)	Q	
	8.8×10^{-2}		Dunnivant et al. (1992)	Q	
		7300	Kühne et al. (2005)	?	
Oxygenated chlorocarbons (C, H, O, Cl)					
phosgene	5.9×10^{-4}	3800	De Bruyn et al. (1995a)	M	
CCl_2O	6.8×10^{-4}	4200	Manogue and Pigford (1960)	M	
[75-44-5]	7.1×10^{-4}		Yaws (1999)	?	
2-chloroethanol-d4 ClC_2D_4OH [117067-62-6]	5.0	8700	Hiatt (2013)	M	
1,3-dichloro-2-propanol	5.8		Meylan and Howard (1991)	V	
$C_3H_6Cl_2O$	2.6×10^{1}		Hilal et al. (2008)	Q	
[96-23-1]	1.7×10^{1}		Meylan and Howard (1991)	Q	
trichloroethanal	3.4×10^{3}	3500	Betterton and Hoffmann (1988)	M	193
CCl_3CHO		1700	Kühne et al. (2005)	Q	
(trichloroacetaldehyde; chloral)	1.7×10^{3}		Meylan and Howard (1991)	Q	
[75-87-6]		3500	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
chloro-2-propanone	5.8×10^{-1}	5400	Sander et al. (2011)	L	
$CH_2ClCOCH_3$	5.8×10^{-1}	5400	Betterton (1991)	M	
(chloroacetone)	8.8×10^{-1}		Hilal et al. (2008)	Q	
[78-95-5]		4400	Kühne et al. (2005)	Q	
		5500	Kühne et al. (2005)	?	
chloroethanoic acid	1.1×10^{3}	9700	Sander et al. (2011)	L	
$CH_2ClCOOH$	1.1×10^{3}	9700	Bowden et al. (1998a)	M	
(chloroacetic acid)	8.8×10^{2}		Hilal et al. (2008)	Q	
[79-11-8]		8100	Kühne et al. (2005)	Q	
		9400	Kühne et al. (2005)	?	
dichloroethanoic acid	1.2×10^{3}	8000	Sander et al. (2011)	L	
$CHCl_2COOH$	1.2×10^{3}	8000	Bowden et al. (1998a)	M	
(dichloroacetic acid)	3.9×10^{2}		Hilal et al. (2008)	Q	
[79-43-6]		8400	Kühne et al. (2005)	Q	
		8000	Kühne et al. (2005)	?	
trichloroethanoic acid	7.3×10^{2}	8700	Sander et al. (2011)	L	
CCl_3COOH	7.3×10^{2}	8700	Bowden et al. (1998b)	M	
(trichloroacetic acid)	4.7		Hilal et al. (2008)	Q	
[76-03-9]		8800	Kühne et al. (2005)	Q	
		8600	Kühne et al. (2005)	?	
2,2-dichloro-propanoic acid $C_3H_4Cl_2O_2$ [75-99-0]	3.5×10^{8}		Mackay et al. (2006d)	V	
trichloroacetylchloride	2.0×10^{-2}		Mirabel et al. (1996)	M	
CCl_3COCl	2.0×10^{-2}		De Bruyn et al. (1995a)	M	185
[76-02-8]	2.0×10^{-2}		George et al. (1994a)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
hexachloroacetone	1.0×10^{2}		Zhang et al. (2010)	Q	113, 114
C_3Cl_6O	9.0×10^{-4}		Zhang et al. (2010)	Q	113, 115
[116-16-5]	6.2×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.8×10^{-1}		Zhang et al. (2010)	Q	113, 117
(chloromethyl)-oxirane	3.0×10^{-1}		Mackay et al. (2006c)	V	
C_3H_5ClO	3.0×10^{-1}		Mackay et al. (1993)	V	
(epichlorohydrin)	2.8×10^{-1}		Goldstein (1982)	X	158
[106-89-8]	2.8×10^{-1}	3700	Goldstein (1982)	X	122
	9.9×10^{-2}		Hilal et al. (2008)	Q	
methyl chloroethanoate $C_3H_5ClO_2$ [96-34-4]	2.3×10^{-1}		Hilal et al. (2008)	Q	
ethyl chloroethanoate $C_4H_7ClO_2$ [105-39-5]	1.1×10^{-1}		Hilal et al. (2008)	Q	
1,2,4-trichloro-2-methyl-3-pentanone	1.9		Zhang et al. (2010)	Q	113, 114
$C_6H_9Cl_3O$	1.9		Zhang et al. (2010)	Q	113, 115
[145556-04-3]	1.1×10^{2}		Zhang et al. (2010)	Q	113, 116
	4.1×10^{-1}		Zhang et al. (2010)	Q	113, 117
bis(2-chloroisopropyl) ether	3.0×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_6H_{12}Cl_2O$	3.3×10^{-4}		Zhang et al. (2010)	Q	113, 115
[39638-32-9]	9.5×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.6×10^{-3}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
butyl 2,2,3,4,4-pentachloro-3-butenoate	3.9×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_8H_9Cl_5O_2$	3.9×10^{-2}		Zhang et al. (2010)	Q	113, 115
[75147-20-5]	7.9×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.8×10^{-1}		Zhang et al. (2010)	Q	113, 117
3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carbonyl chloride	1.6×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_8H_9Cl_3O$	9.7×10^{-3}		Zhang et al. (2010)	Q	113, 115
[52314-67-7]	1.6×10^{-1}		Zhang et al. (2010)	Q	113, 116
	8.8×10^{-1}		Zhang et al. (2010)	Q	113, 117
3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylic acid	1.9×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_8H_{10}Cl_2O_2$	9.0×10^{1}		Zhang et al. (2010)	Q	113, 115
[55701-05-8]	6.1×10^{4}		Zhang et al. (2010)	Q	113, 116
	6.1×10^{1}		Zhang et al. (2010)	Q	113, 117
hexanoic acid, 3,3-dimethyl-4,6,6,6-tetrachloro, methyl ester	6.7×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_9H_{14}Cl_4O_2$	2.7×10^{-1}		Zhang et al. (2010)	Q	113, 115
[64667-33-0]	6.1×10^{2}		Zhang et al. (2010)	Q	113, 116
	1.8×10^{-2}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
methyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	6.1×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_9H_{12}Cl_2O_2$	5.2×10^{-2}		Zhang et al. (2010)	Q	113, 115
[61898-95-1]	1.3×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.7×10^{-1}		Zhang et al. (2010)	Q	113, 117
oxychlordane $C_{10}H_4Cl_8O$ [27304-13-8]	6.0×10^{-2}	4300	Paasivirta et al. (1999)	T	
kepone $C_{10}Cl_{10}O$ [143-50-0]	2.0×10^{2}		Mackay et al. (2006d)	V	
(2-chloroethoxy)-ethene	3.9×10^{-2}		Mackay et al. (2006c)	V	
C_4H_7ClO	3.9×10^{-2}		Mackay et al. (1993)	V	
(2-chloroethylvinylether)	1.1×10^{-3}		Goldstein (1982)	X	158
[110-75-8]	3.1×10^{-2}	2500	Goldstein (1982)	X	122
	4.0×10^{-2}		Ryan et al. (1988)	C	
	2.3×10^{-3}		Hilal et al. (2008)	Q	
bis-(2-chloroethoxy)-methane	2.2×10^{1}		Mackay et al. (2006c)	V	
$C_5H_{10}Cl_2O_2$	2.2		Mackay et al. (1993)	V	
[111-91-1]	8.8		Goldstein (1982)	X	158
	2.6×10^{1}	5500	Goldstein (1982)	X	122
	3.7×10^{1}		Ryan et al. (1988)	C	
	3.4		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
bis-(chloromethyl) ether	4.8×10^{-2}		Mackay et al. (2006c)	V	
$C_2H_4Cl_2O$	4.8×10^{-2}		Mackay et al. (1993)	V	
[542-88-1]	4.7×10^{-3}		Ryan et al. (1988)	C	
1,5-dichloro-3-oxapentane	3.5×10^{-1}		Mackay et al. (2006c)	V	
$C_4H_8Cl_2O$	3.4×10^{-2}		Lide and Frederikse (1995)	V	
(bis-(2-chloroethyl)-ether)	3.5×10^{-1}		Mackay et al. (1993)	V	
[111-44-4]	4.6×10^{-1}		Goldstein (1982)	X	158
	4.7×10^{-1}	4100	Goldstein (1982)	X	122
	3.7×10^{-1}		Harrison et al. (1993)	C	
	8.6		Ryan et al. (1988)	C	
	5.2×10^{-2}		Zhang et al. (2010)	Q	113, 114
	2.8×10^{-1}		Zhang et al. (2010)	Q	113, 115
	4.4×10^{-2}		Zhang et al. (2010)	Q	113, 116
	4.6×10^{-3}		Zhang et al. (2010)	Q	113, 117
	2.9×10^{-1}		Hilal et al. (2008)	Q	
		6000	Kühne et al. (2005)	Q	
		6000	Kühne et al. (2005)	?	
bis-(2-chloroisopropyl) ether	4.2×10^{-1}		Kawamoto and Urano (1989)	M	
$C_6H_{12}Cl_2O$	9.6×10^{-2}		Mackay et al. (2006c)	V	
(DCIP)	9.6×10^{-2}		Mackay et al. (1993)	V	
[108-60-1]	6.5×10^{-2}		Goldstein (1982)	X	158
	6.4×10^{-2}	2800	Goldstein (1982)	X	122
	8.6×10^{-3}		Ryan et al. (1988)	C	
	7.2×10^{-2}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-hydroxychlorobenzene	1.5		Sheikheldin et al. (2001)	M	9
C_6H_5ClO	3.6	5700	Tabai et al. (1997)	M	165
(*o*-chlorophenol)	1.5		Mackay et al. (2006c)	V	
[95-57-8]	1.2		Fogg and Sangster (2003)	V	274
	1.8×10^{1}		Lide and Frederikse (1995)	V	
	1.5		Mackay et al. (1995)	V	
	1.5		Shiu et al. (1994)	V	
	8.8×10^{-1}		Abraham et al. (1994)	R	
	1.2		Goldstein (1982)	X	158
	1.2	4600	Goldstein (1982)	X	122
	1.8×10^{1}		Howard (1989)	X	168
	2.1		Ryan et al. (1988)	C	
	4.2		Hilal et al. (2008)	Q	
		6200	Kühne et al. (2005)	Q	
	1.8×10^{2}		Nirmalakhandan et al. (1997)	Q	
		5600	Kühne et al. (2005)	?	
	1.0		Chiou et al. (1980)	?	28
3-hydroxychlorobenzene	3.4×10^{1}	6400	Tabai et al. (1997)	M	165
C_6H_5ClO	4.9		Mackay et al. (2006c)	V	
(*m*-chlorophenol)	7.3		Fogg and Sangster (2003)	V	
[108-43-0]	1.8×10^{1}		Lide and Frederikse (1995)	V	
	4.9		Mackay et al. (1995)	V	
	4.9		Shiu et al. (1994)	V	
	2.9×10^{1}		Abraham et al. (1994)	R	
	1.8×10^{1}		Howard (1989)	X	168
	1.6×10^{1}		Hilal et al. (2008)	Q	
		6200	Kühne et al. (2005)	Q	
	1.8×10^{2}		Nirmalakhandan et al. (1997)	Q	
		6100	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-hydroxychlorobenzene	1.4×10^{3}	11000	Tabai et al. (1997)	M	165
C_6H_5ClO	1.1×10^{1}		Mackay et al. (2006c)	V	
(*p*-chlorophenol)	1.2×10^{1}		Fogg and Sangster (2003)	V	
[106-48-9]	1.8×10^{1}		Lide and Frederikse (1995)	V	
	1.1×10^{1}		Mackay et al. (1995)	V	
	1.1×10^{1}		Shiu et al. (1994)	V	
	5.8×10^{1}		Abraham et al. (1994)	R	
	1.8×10^{1}		Howard (1989)	X	168
	1.3×10^{1}		Hilal et al. (2008)	Q	
		6200	Kühne et al. (2005)	Q	
	1.8×10^{2}		Nirmalakhandan et al. (1997)	Q	
		6400	Kühne et al. (2005)	?	
	1.1×10^{1}		Chiou et al. (1980)	?	28
2,4-dichlorophenol	3.4		Sheikheldin et al. (2001)	M	9
$C_6H_4Cl_2O$	6.6	6800	Tabai et al. (1997)	M	165
[120-83-2]	2.3		Mackay et al. (2006c)	V	
	2.3		Mackay et al. (1995)	V	
	2.3		Shiu et al. (1994)	V	
	9.0		Leuenberger et al. (1985)	V	166
	1.5		Goldstein (1982)	X	158
	1.5	4900	Goldstein (1982)	X	122
	1.8		Ryan et al. (1988)	C	
	3.2×10^{1}		Zhang et al. (2010)	Q	113, 114
	8.0		Zhang et al. (2010)	Q	113, 115
	1.1		Zhang et al. (2010)	Q	113, 116
	4.6		Zhang et al. (2010)	Q	113, 117
	8.2		Hilal et al. (2008)	Q	
		6300	Kühne et al. (2005)	Q	
		7400	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,6-dichlorophenol	1.3		Mackay et al. (2006c)	V	
$C_6H_4Cl_2O$	3.3		Mackay et al. (1995)	V	
[87-65-0]					
3,5-dichlorophenol	4.6×10^{1}		Hilal et al. (2008)	Q	
$C_6H_4Cl_2O$					
[591-35-5]					
2,3,4-trichlorophenol	2.5		Mackay et al. (2006c)	V	
$C_6H_3Cl_3O$	2.5		Mackay et al. (1995)	V	
[15950-66-0]					
2,3,5-trichlorophenol	2.5		Mackay et al. (2006c)	V	
$C_6H_3Cl_3O$	2.5		Mackay et al. (1995)	V	
[933-78-8]					
2,4,5-trichlorophenol	1.9		Mackay et al. (2006c)	V	
$C_6H_3Cl_3O$	4.6×10^{-1}		Fogg and Sangster (2003)	V	
[95-95-4]	1.9		Mackay et al. (1995)	V	
	7.6		Leuenberger et al. (1985)	V	166
	2.0×10^{1}		Hilal et al. (2008)	Q	
2,4,6-trichlorophenol	2.0		Yoshida et al. (1987)	M	275, 9
$C_6H_3Cl_3O$	1.8		Mackay et al. (2006c)	V	
[88-06-2]	1.6×10^{2}		Lide and Frederikse (1995)	V	
	1.8		Mackay et al. (1995)	V	
	7.6		Leuenberger et al. (1985)	V	166
	1.4	5000	Goldstein (1982)	X	122
	1.6×10^{1}		Howard (1989)	X	168
	2.4		Ryan et al. (1988)	C	
	4.3×10^{1}		Zhang et al. (2010)	Q	113, 114
	2.8×10^{-2}		Zhang et al. (2010)	Q	113, 115
	8.8×10^{-1}		Zhang et al. (2010)	Q	113, 116
	9.7×10^{-1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.2		Hilal et al. (2008)	Q	
		6400	Kühne et al. (2005)	Q	
		6500	Kühne et al. (2005)	?	
2,3,4,5-tetrachlorophenol	7.2		Mackay et al. (2006c)	V	
$C_6H_2Cl_4O$	7.2		Mackay et al. (1995)	V	
[4901-51-3]					
2,3,4,6-tetrachlorophenol	2.8		Mackay et al. (2006c)	V	
$C_6H_2Cl_4O$	2.8		Mackay et al. (1995)	V	
[58-90-2]	5.8×10^{1}		Zhang et al. (2010)	Q	113, 114
	4.1×10^{-2}		Zhang et al. (2010)	Q	113, 115
	3.9		Zhang et al. (2010)	Q	113, 116
	3.1		Zhang et al. (2010)	Q	113, 117
2,3,5,6-tetrachlorophenol	4.3		Mackay et al. (2006c)	V	
$C_6H_2Cl_4O$	4.3		Mackay et al. (1995)	V	
[935-95-5]					
hydroxypentachloro-benzene	4.1×10^{2}		Hellmann (1987)	M	30
C_6HCl_5O	1.3×10^{1}		Mackay et al. (2006c)	V	
(pentachlorophenol)			Mackay et al. (2006d)	V	226
[87-86-5]	1.1×10^{-2}		Fogg and Sangster (2003)	V	
	1.3×10^{1}		Mackay et al. (1995)	V	
	2.3×10^{1}		Riederer (1990)	V	
	2.3×10^{1}		Suntio et al. (1988)	V	9
	1.1×10^{-1}	1300	Goldstein (1982)	X	122
	4.7		McCarty (1980)	X	145
	3.4		Ryan et al. (1988)	C	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	7.9×10^{1}		Zhang et al. (2010)	Q	113, 114
	6.0×10^{-2}		Zhang et al. (2010)	Q	113, 115
	6.5		Zhang et al. (2010)	Q	113, 116
	4.0		Zhang et al. (2010)	Q	113, 117
		7800	Kühne et al. (2005)	Q	
	7.9×10^{1}		Meylan and Howard (1991)	Q	
	1.8		Fogg and Sangster (2003)	E	
		7400	Kühne et al. (2005)	?	
3,4,5-trichloro-1,2-benzenediol	2.4×10^{2}		Lei et al. (1999)	V	
$C_6H_3Cl_3O_2$					
(3,4,5-trichlorocatechol)					
[56961-20-7]					
4,5-dichloro-1,2-benzenediol	1.3×10^{3}		Lei et al. (1999)	V	
$C_6H_4Cl_2O_2$					
(4,5-dichlorocatechol)					
[3428-24-8]					
3,4,5,6-tetrachloro-1,2-benzenediol	2.9×10^{1}		Lei et al. (1999)	V	
$C_6H_2Cl_4O_2$					
(tetrachlorocatechol)					
[1198-55-6]					
4-chloro-2-methylphenol	1.6×10^{1}		Hilal et al. (2008)	Q	
C_7H_7ClO					
[1570-64-5]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-chloro-3-methylphenol	3.9×10^{1}		Abraham et al. (1994)	R	
C_7H_7ClO	4.0		Ryan et al. (1988)	C	
[59-50-7]	2.2×10^{1}		Zhang et al. (2010)	Q	113, 114
	1.3×10^{1}		Zhang et al. (2010)	Q	113, 115
	2.8×10^{1}		Zhang et al. (2010)	Q	113, 116
	9.2×10^{1}		Zhang et al. (2010)	Q	113, 117
	1.2×10^{1}		Hilal et al. (2008)	Q	
	1.3×10^{2}		Nirmalakhandan et al. (1997)	Q	
1-chloro-2-methoxybenzene C_7H_7ClO (2-chloroanisole) [766-51-8]	2.5		Pfeifer et al. (2001)	M	
1-chloro-3-methoxybenzene C_7H_7ClO (3-chloroanisole) [2845-89-8]	1.1		Pfeifer et al. (2001)	M	
1-chloro-4-methoxybenzene C_7H_7ClO (4-chloroanisole) [623-12-1]	1.4		Pfeifer et al. (2001)	M	
1,2-dichloro-3-methoxybenzene $C_7H_6Cl_2O$ (2,3-dichloroanisole) [1984-59-4]	5.6×10^{-1}		Pfeifer et al. (2001)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,5-dichloro-2-methoxybenzene $C_7H_6Cl_2O$ (2,4-dichloroanisole) [553-82-2]	3.0×10^{-1}		Pfeifer et al. (2001)	M	
1,4-dichloro-2-methoxybenzene	5.3×10^{-1}		Pfeifer et al. (2001)	M	
$C_7H_6Cl_2O$	5.7×10^{-2}		Zhang et al. (2010)	Q	113, 114
(2,5-dichloroanisole)	1.4×10^{-2}		Zhang et al. (2010)	Q	113, 115
[1984-58-3]	1.4×10^{-1}		Zhang et al. (2010)	Q	113, 116
	4.8×10^{-2}		Zhang et al. (2010)	Q	113, 117
1,3-dichloro-2-methoxybenzene $C_7H_6Cl_2O$ (2,6-dichloroanisole) [1984-65-2]	2.2×10^{-1}		Pfeifer et al. (2001)	M	
1,2-dichloro-4-methoxybenzene $C_7H_6Cl_2O$ (3,4-dichloroanisole) [36404-30-5]	2.3×10^{-1}		Pfeifer et al. (2001)	M	
1,3-dichloro-5-methoxybenzene $C_7H_6Cl_2O$ (3,5-dichloroanisole) [33719-74-3]	5.7×10^{-2}		Pfeifer et al. (2001)	M	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3-trichloro-4-methoxybenzene $C_7H_5Cl_3O$ (2,3,4-trichloroanisole) [54135-80-7]	3.3×10^{-1}		Pfeifer et al. (2001)	M	
1,2,5-trichloro-3-methoxybenzene $C_7H_5Cl_3O$ (2,3,5-trichloroanisole) [54135-81-8]	1.9×10^{-1}		Pfeifer et al. (2001)	M	
1,2,4-trichloro-3-methoxybenzene $C_7H_5Cl_3O$ (2,3,6-trichloroanisole) [50375-10-5]	2.4×10^{-1}		Pfeifer et al. (2001)	M	
	1.8×10^{-2}		Hilal et al. (2008)	Q	
	7.6×10^{-2}		Meylan and Howard (1991)	Q	
1,2,4-trichloro-5-methoxybenzene $C_7H_5Cl_3O$ (2,4,5-trichloroanisole) [6130-75-2]	2.6×10^{-1}		Pfeifer et al. (2001)	M	
1,3,5-trichloro-2-methoxybenzene $C_7H_5Cl_3O$ (2,4,6-trichloroanisole) [87-40-1]	1.1×10^{-1}		Pfeifer et al. (2001)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3-trichloro-5-methoxybenzene $C_7H_5Cl_3O$ (3,4,5-trichloroanisole) [54135-82-9]	1.1×10^{-1}		Pfeifer et al. (2001)	M	
1,2,3,4-tetrachloro-5-methoxybenzene $C_7H_4Cl_4O$ (2,3,4,5-tetrachloroanisole) [938-86-3]	1.6×10^{-1}		Pfeifer et al. (2001)	M	
1,2,3,5-tetrachloro-4-methoxybenzene $C_7H_4Cl_4O$ (2,3,4,6-tetrachloroanisole) [938-22-7]	7.7×10^{-2}		Pfeifer et al. (2001)	M	
1,2,4,5-tetrachloro-3-methoxybenzene $C_7H_4Cl_4O$ (2,3,5,6-tetrachloroanisole) [6936-40-9]	7.8×10^{-2}		Pfeifer et al. (2001)	M	
pentachloromethoxybenzene $C_7H_3Cl_5O$ (pentachloroanisole) [1825-21-4]	5.3×10^{-2}		Pfeifer et al. (2001)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4,5-dichloro-2-methoxyphenol	5.2		Mackay et al. (2006c)	V	
$C_7H_6Cl_2O_2$	2.3		Lei et al. (1999)	V	
(4,5-dichloroguaiacol)					
[2460-49-3]					
3,4,5-trichloro-2-methoxyphenol			Mackay et al. (2006c)	V	170
$C_7H_5Cl_3O_2$	8.3		Lei et al. (1999)	V	
(3,4,5-trichloroguaiacol)					
[57057-83-7]					
4,5,6-trichloro-2-methoxyphenol	7.4		Mackay et al. (2006c)	V	
$C_7H_5Cl_3O_2$	7.1		Lei et al. (1999)	V	
(4,5,6-trichloroguaiacol)					
[2668-24-8]					
2,3,4,5-tetrachloro-6-methoxyphenol	6.2		Mackay et al. (2006c)	V	
$C_7H_4Cl_4O_2$	6.7		Lei et al. (1999)	V	
(tetrachloroguaiacol)					
[2539-17-5]					
1,2,3-trichloro-4,5-dimethoxybenzene	2.7×10^{-1}		Lei et al. (1999)	V	
$C_8H_7Cl_3O_2$					
(3,4,5-trichloroveratrole)					
[16766-29-3]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3,4-tetrachloro-5,6-dimethoxybenzene	9.1×10^{-2}		Lei et al. (1999)	V	
$C_8H_6Cl_4O_2$	1.7		Zhang et al. (2010)	Q	113, 114
(tetrachloroveratrole)	2.0		Zhang et al. (2010)	Q	113, 115
[944-61-6]	2.6		Zhang et al. (2010)	Q	113, 116
	7.5×10^{-1}		Zhang et al. (2010)	Q	113, 117
3-chloro-2,6-dimethoxyphenol	4.2×10^{1}		Lei et al. (1999)	V	
$C_8H_9ClO_3$					
(3-chlorosyringol)					
[18113-22-9]					
3,5-dichloro-2,6-dimethoxyphenol	1.4×10^{1}		Lei et al. (1999)	V	
$C_8H_8Cl_2O_3$					
(3,5-dichlorosyringol)					
[78782-46-4]					
3,5-dichloro-2-hydroxybenzoic acid	1.3×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_7H_4Cl_2O_3$	4.3×10^{2}		Zhang et al. (2010)	Q	113, 115
[320-72-9]	7.5×10^{4}		Zhang et al. (2010)	Q	113, 116
	2.2×10^{2}		Zhang et al. (2010)	Q	113, 117
3,6-dichloro-2-hydroxybenzoic acid	1.3×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_7H_4Cl_2O_3$	3.4×10^{3}		Zhang et al. (2010)	Q	113, 115
[3401-80-7]	1.1×10^{1}		Zhang et al. (2010)	Q	113, 116
	2.2×10^{2}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
5-chloro-2-methoxybenzoic acid	2.1×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_8H_7ClO_3$	3.8×10^{1}		Zhang et al. (2010)	Q	113, 115
[3438-16-2]	9.5×10^{3}		Zhang et al. (2010)	Q	113, 116
	6.0×10^{3}		Zhang et al. (2010)	Q	113, 117
2,2,2',4',5'-pentachloroacetophenone	2.0×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_8H_3Cl_5O$	5.7		Zhang et al. (2010)	Q	113, 115
[1203-86-7]	1.0		Zhang et al. (2010)	Q	113, 116
	6.0		Zhang et al. (2010)	Q	113, 117
tetrachloroterephthaloyl chloride	1.0×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_8Cl_6O_2$	1.9×10^{1}		Zhang et al. (2010)	Q	113, 115
[719-32-4]	3.4×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.3×10^{3}		Zhang et al. (2010)	Q	113, 117
chloroxylenol	1.9×10^{1}		Zhang et al. (2010)	Q	113, 114
C_8H_9ClO	1.5×10^{1}		Zhang et al. (2010)	Q	113, 115
[88-04-0]	2.0×10^{1}		Zhang et al. (2010)	Q	113, 116
	5.1×10^{1}		Zhang et al. (2010)	Q	113, 117
4,5,6,7-tetrachloro-1,3-isobenzofurandione	5.2		Zhang et al. (2010)	Q	113, 114
$C_8Cl_4O_3$	1.8×10^{4}		Zhang et al. (2010)	Q	113, 115
[117-08-8]	1.9×10^{2}		Zhang et al. (2010)	Q	113, 116
	4.3×10^{1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,4,5-trichloro-2,6-dimethoxyphenol $C_8H_7Cl_3O_3$ (trichlorosyringol) [2539-26-6]	4.5×10^{1}		Lei et al. (1999)	V	
4,5,6,7-tetrachlorophthalide $C_8H_2Cl_4O_2$ [27355-22-2]	1.8×10^{1}		Kawamoto and Urano (1989)	M	
dicamba	4.5×10^{3}		Mackay et al. (2006d)	V	
$C_8H_6Cl_2O_3$ (banvel) [1918-00-9]	8.3×10^{3}		Suntio et al. (1988)	V	9
(2,4-dichlorophenoxy)-ethanoic acid	1.4×10^{-1}		Rice et al. (1997b)	M	276, 9
$C_8H_6Cl_2O_3$	1.2		Rice et al. (1997b)	M	276, 9
((2,4-dichlorophenoxy)-acetic acid; 2,4-D)	5.0×10^{4}		Mackay et al. (2006c)	V	
[94-75-7]	2.3×10^{4}		Mackay et al. (2006d)	V	
	4.0×10^{3}		Mackay et al. (2006d)	V	
	2.9×10^{2}		Mackay et al. (1995)	V	
	1.8		Riederer (1990)	V	
	1.8		Suntio et al. (1988)	V	9
	7.2×10^{4}		Howard (1991)	X	161
	9.7×10^{2}		Howard (1991)	X	161

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4,5-trichlorophenoxyethanoic acid	1.7×10^{2}		Mackay et al. (2006d)	V	
$C_8H_5Cl_3O_3$	1.7×10^{2}		Riederer (1990)	V	
(2,4,5-T)	1.7×10^{2}		Suntio et al. (1988)	V	9
[93-76-5]					
1,4-dichloro-2,5-dimethoxybenzene $C_8H_8Cl_2O_2$ [2675-77-6]			Mackay et al. (2006d)	V	226
2,3,6-trichlorophenylacetic acid $C_8H_5Cl_3O_2$ [85-34-7]	8.3×10^{-1}		Mackay et al. (2006d)	V	
2-chloro-4-hydroxy-3,5-dimethoxybenzaldehyde $C_9H_9ClO_4$ (2-chlorosyringaldehyde) [76341-69-0]	9.1×10^{1}		Lei et al. (1999)	V	
2,6-dichloro-4-hydroxy-3,5-dimethoxybenzaldehyde $C_9H_8Cl_2O_4$ (2,6-dichlorosyringaldehyde) [76330-06-8]	2.7×10^{2}		Lei et al. (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
methyl 2,4-dichlorophenoxyethanoate $C_9H_8Cl_2O_3$ [1928-38-7]	1.8		Hilal et al. (2008)	Q	
(2-methyl-4-chlorophenoxy)acetic acid			Mabury and Crosby (1996)	M	227
$C_9H_9ClO_3$ (MCPA) [94-74-6]	4.0×10^{4}		Mackay et al. (2006d)	V	
α-(2,4-dichlorophenoxy)propionic acid $C_9H_8Cl_2O_3$ (dichloroprop) [120-36-5]	3.7×10^{3}		Mackay et al. (2006d)	V	
(R)-2-(2,4-dichlorophenoxy)propanoic acid $C_9H_8Cl_2O_3$ (dichlorprop-p) [15165-67-0]	4.0×10^{4}		Mackay et al. (2006d)	V	
2-(2,4,5-trichlorophenoxy)propanoic acid $C_9H_7Cl_3O_3$ [93-72-1]	3.9×10^{4}		Mackay et al. (2006d)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
ethyl 2,4-dichlorophenoxyethanoate $C_{10}H_{10}Cl_2O_3$ [533-23-3]	1.2		Hilal et al. (2008)	Q	
mecoprop $C_{10}H_{11}ClO_3$ [7085-19-0]			Mackay et al. (2006d)	V	226
(R)-2-(4-chloro-2-methylphenoxy)propanoic acid $C_{10}H_{11}ClO_3$ (mecoprop-p) [16484-77-8]	1.0×10^{4}		Mackay et al. (2006d)	V	
dacthal $C_{10}H_6Cl_4O_4$ (DCPA) [1861-32-1]	4.4		Muir et al. (2004)	L	144
4-(4-chloro-2-methylphenoxy)butanoic acid $C_{11}H_{13}ClO_3$ (MCPB) [94-81-5]	3.1×10^{3}		Mackay et al. (2006d)	V	
triclosan $C_{12}H_7Cl_3O_2$ [3380-34-5]	2.0×10^{3}		Zhang et al. (2010)	Q	113, 114
	5.7×10^{1}		Zhang et al. (2010)	Q	113, 115
	1.4×10^{3}		Zhang et al. (2010)	Q	113, 116
	8.2×10^{2}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
monobutyl tetrachlorophthalate $C_{12}H_{10}Cl_4O_4$ [24261-19-6]	2.0×10^{4}		Zhang et al. (2010)	Q	113, 114
	7.5×10^{2}		Zhang et al. (2010)	Q	113, 115
	5.1×10^{4}		Zhang et al. (2010)	Q	113, 116
	5.1×10^{4}		Zhang et al. (2010)	Q	113, 117
1-(4-chlorophenyl)-4,4-dimethyl-3-pentanone $C_{13}H_{17}ClO$ [66346-01-8]	1.1		Zhang et al. (2010)	Q	113, 114
	7.2×10^{-1}		Zhang et al. (2010)	Q	113, 115
	4.2		Zhang et al. (2010)	Q	113, 116
	3.9×10^{-1}		Zhang et al. (2010)	Q	113, 117
hexachlorophene $C_{13}H_6Cl_6O_2$ [70-30-4]	1.1×10^{7}		Zhang et al. (2010)	Q	113, 114
	2.5×10^{5}		Zhang et al. (2010)	Q	113, 115
	1.2×10^{4}		Zhang et al. (2010)	Q	113, 116
	6.5×10^{5}		Zhang et al. (2010)	Q	113, 117
2,4'-dichlorobenzophenone $C_{13}H_8Cl_2O$ [85-29-0]	9.2		Zhang et al. (2010)	Q	113, 114
	6.9		Zhang et al. (2010)	Q	113, 115
	4.3×10^{1}		Zhang et al. (2010)	Q	113, 116
	6.1×10^{1}		Zhang et al. (2010)	Q	113, 117
1-(4-chlorophenyl)-4,4-dimethylpent-1-en-3-one $C_{13}H_{15}ClO$ [1577-03-3]	4.8		Zhang et al. (2010)	Q	113, 114
	2.2		Zhang et al. (2010)	Q	113, 115
	8.2		Zhang et al. (2010)	Q	113, 116
	1.5		Zhang et al. (2010)	Q	113, 117
dichlorophen $C_{13}H_{10}Cl_2O_2$ [97-23-4]	8.5×10^{6}		Mackay et al. (2006d)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-chloro-9,10-anthracenedione	4.2×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_7ClO_2$	6.7×10^{2}		Zhang et al. (2010)	Q	113, 115
[131-09-9]	1.4×10^{2}		Zhang et al. (2010)	Q	113, 116
	3.3×10^{4}		Zhang et al. (2010)	Q	113, 117
dicofol	1.8×10^{4}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_9Cl_5O$	3.1×10^{2}		Zhang et al. (2010)	Q	113, 115
[115-32-2]	9.2×10^{1}		Zhang et al. (2010)	Q	113, 116
	3.2×10^{3}		Zhang et al. (2010)	Q	113, 117
bis(2,4-dichlorobenzoyl)peroxide	9.2		Zhang et al. (2010)	Q	113, 114
$C_{14}H_6Cl_4O_4$	1.4×10^{2}		Zhang et al. (2010)	Q	113, 115
[133-14-2]	1.6×10^{3}		Zhang et al. (2010)	Q	113, 116
	3.5×10^{3}		Zhang et al. (2010)	Q	113, 117
dipropyl tetrachlorophthalate	4.7×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_{14}Cl_4O_4$	3.0×10^{1}		Zhang et al. (2010)	Q	113, 115
[6928-67-2]	1.0×10^{1}		Zhang et al. (2010)	Q	113, 116
	2.8×10^{1}		Zhang et al. (2010)	Q	113, 117
2-(4-chlorobenzoyl)benzoic acid	3.4×10^{5}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_9ClO_3$	3.6×10^{4}		Zhang et al. (2010)	Q	113, 115
[85-56-3]	7.9×10^{7}		Zhang et al. (2010)	Q	113, 116
	2.1×10^{6}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
methoxychlor	4.9×10^{1}		Altschuh et al. (1999)	M	
$C_{16}H_{15}Cl_3O_2$	1.0		Mackay et al. (2006d)	V	
[72-43-5]	2.8		Hilal et al. (2008)	Q	
diclofop-methyl $C_{16}H_{14}Cl_2O_4$ [51338-27-3]	5.0		Mackay et al. (2006d)	V	
1-(2-(2-chloroethoxy)ethoxy)-4-(1,1,3,3-tetramethylbutyl)benzene	5.3×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{29}ClO_2$	1.6		Zhang et al. (2010)	Q	113, 115
[65925-28-2]	3.8×10^{-1}		Zhang et al. (2010)	Q	113, 116
	8.4×10^{-2}		Zhang et al. (2010)	Q	113, 117
permethrin $C_{21}H_{20}Cl_2O_3$ [52645-53-1]	9.0		Mackay et al. (2006d)	V	
3,4,5,6-tetrachlorophthalic acid bis(2-ethylhexyl) ester	2.8		Zhang et al. (2010)	Q	113, 114
$C_{24}H_{34}Cl_4O_4$	2.3×10^{1}		Zhang et al. (2010)	Q	113, 115
[34832-88-7]	1.0×10^{4}		Zhang et al. (2010)	Q	113, 116
	3.5		Zhang et al. (2010)	Q	113, 117
endosulfan alcohol	7.7×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_9H_8Cl_6O_2$	3.0×10^{6}		Zhang et al. (2010)	Q	113, 115
[2157-19-9]	1.3×10^{5}		Zhang et al. (2010)	Q	113, 116
	1.8×10^{5}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
chlorendic anhydride	1.1×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_9H_2Cl_6O_3$	3.1×10^{4}		Zhang et al. (2010)	Q	113, 115
[115-27-5]	1.5×10^{4}		Zhang et al. (2010)	Q	113, 116
	3.9×10^{7}		Zhang et al. (2010)	Q	113, 117
1,4,5,6,7,7-hexachloro-bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid	3.3×10^{8}		Zhang et al. (2010)	Q	113, 114
$C_9H_4Cl_6O_4$	3.1×10^{9}		Zhang et al. (2010)	Q	113, 115
[115-28-6]	3.9×10^{9}		Zhang et al. (2010)	Q	113, 116
	7.3×10^{7}		Zhang et al. (2010)	Q	113, 117
heptachlorepoxide	4.8×10^{-1}		Shen and Wania (2005)	L	143
$C_{10}H_5Cl_7O$	5.9×10^{-1}		Shen and Wania (2005)	L	144
[1024-57-3]	5.0×10^{-1}	5200	Cetin et al. (2006)	M	
	4.7×10^{-1}		Altschuh et al. (1999)	M	
	3.1×10^{-1}		Warner et al. (1980)	M	
	5.4×10^{-1}		Hilal et al. (2008)	C	
	1.3×10^{1}		Ryan et al. (1988)	C	
	7.3		Hilal et al. (2008)	Q	
dieldrin	1.0		Shen and Wania (2005)	L	143
$C_{12}H_8OCl_6$	9.1×10^{-1}		Shen and Wania (2005)	L	144
[60-57-1]	9.1×10^{-1}		Mackay and Shiu (1981)	L	
	9.2×10^{-1}	5800	Cetin et al. (2006)	M	
	9.8×10^{-1}		Altschuh et al. (1999)	M	
	3.4×10^{-1}		Slater and Spedding (1981)	M	9
	1.7×10^{-1}		Warner et al. (1980)	M	
	8.9×10^{-1}		Mackay et al. (2006d)	V	
	8.9×10^{-1}		Suntio et al. (1988)	V	9

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	4.9×10^{1}		Mackay and Leinonen (1975)	V	
	1.7×10^{-1}		Hilal et al. (2008)	C	
	5.0×10^{1}		Suntio et al. (1988)	C	9
	2.2×10^{1}		Suntio et al. (1988)	C	257
	9.8×10^{-1}		Suntio et al. (1988)	C	257
	1.7×10^{-1}		Suntio et al. (1988)	C	
	4.7×10^{-2}		Suntio et al. (1988)	C	
	1.3		Ryan et al. (1988)	C	
	1.1		Hilal et al. (2008)	Q	
	5.7×10^{1}		Brimblecombe (1986)	?	91
endrin	1.6		Shen and Wania (2005)	L	143
$C_{12}H_8Cl_6O$	9.1×10^{-1}		Shen and Wania (2005)	L	144
[72-20-8]	1.8	4600	Cetin et al. (2006)	M	
	1.6		Altschuh et al. (1999)	M	
	3.0×10^{1}		Mackay et al. (2006d)	V	
	3.0×10^{1}		Suntio et al. (1988)	V	9
	5.6×10^{3}		Suntio et al. (1988)	C	
	2.4×10^{1}		Ryan et al. (1988)	C	
	1.1		Hilal et al. (2008)	Q	
1,4,5,6,7,7-hexachlorobicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid, dibutyl ester	5.8×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_{17}H_{20}Cl_6O_4$	1.4×10^{2}		Zhang et al. (2010)	Q	113, 115
[1770-80-5]	4.6×10^{3}		Zhang et al. (2010)	Q	113, 116
	8.0×10^{2}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
di-2-ethylhexyl chlorendate	6.0×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{25}H_{36}Cl_6O_4$	2.1×10^{2}		Zhang et al. (2010)	Q	113, 115
[4827-55-8]	5.2×10^{3}		Zhang et al. (2010)	Q	113, 116
	1.6×10^{2}		Zhang et al. (2010)	Q	113, 117
Polychlorinated diphenyl ethers (PCDEs)					
2-chlorodiphenyl ether $C_{12}H_9ClO$ (PCDE-1) [2689-07-8]	3.1×10^{-2}		Kurz and Ballschmiter (1999)	V	
3-chlorodiphenyl ether	1.2×10^{-1}		Kurz and Ballschmiter (1999)	V	
$C_{12}H_9ClO$ (PCDE-2) [6452-49-9]	2.7×10^{-2}		Hilal et al. (2008)	Q	
4-chlorodiphenyl ether	1.1×10^{-1}		Kurz and Ballschmiter (1999)	V	
$C_{12}H_9ClO$	4.5×10^{-2}		Mackay et al. (1993)	V	
(PCDE-3)	9.0×10^{-2}		Howard and Meylan (1997)	X	158
[7005-72-3]	4.0×10^{-2}		Ryan et al. (1988)	C	
	3.1×10^{-2}		Hilal et al. (2008)	Q	
2,3-dichlorodiphenyl ether $C_{12}H_8Cl_2O$ (PCDE-5)	2.4×10^{-1}		Kurz and Ballschmiter (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4-dichlorodiphenyl ether $C_{12}H_8Cl_2O$ (PCDE-7) [51892-26-3]	1.9×10^{-1}		Kurz and Ballschmiter (1999)	V	
2,4'-dichlorodiphenyl ether $C_{12}H_8Cl_2O$ (PCDE-8)	3.2×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,5-dichlorodiphenyl ether $C_{12}H_8Cl_2O$ (PCDE-9)	7.9×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,6-dichlorodiphenyl ether $C_{12}H_8Cl_2O$ (PCDE-10) [28419-69-4]	5.0×10^{-2}		Kurz and Ballschmiter (1999)	V	
3,4-dichlorodiphenyl ether $C_{12}H_8Cl_2O$ (PCDE-12)	1.1×10^{-1}		Kurz and Ballschmiter (1999)	V	
3,4'-dichlorodiphenyl ether $C_{12}H_8Cl_2O$ (PCDE-13)	1.3×10^{-1}		Kurz and Ballschmiter (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,5-dichlorodiphenyl ether $C_{12}H_8Cl_2O$ (PCDE-14)	6.5×10^{-2}		Kurz and Ballschmiter (1999)	V	
4,4'-dichlorodiphenyl ether $C_{12}H_8Cl_2O$ (PCDE-15) [2444-89-5]	2.1×10^{-1}		Kurz and Ballschmiter (1999)	V	
2,2',4-trichlorodiphenyl ether $C_{12}H_7Cl_3O$ (PCDE-17)	4.5×10^{-1}		Kurz and Ballschmiter (1999)	V	
2,3,4-trichlorodiphenyl ether $C_{12}H_7Cl_3O$ (PCDE-21)	2.8×10^{-1}		Kurz and Ballschmiter (1999)	V	
2,3,4'-trichlorodiphenyl ether $C_{12}H_7Cl_3O$ (PCDE-22)	3.2×10^{-1}		Kurz and Ballschmiter (1999)	V	
2,3,5-trichlorodiphenyl ether $C_{12}H_7Cl_3O$ (PCDE-23)	2.2×10^{-1}		Kurz and Ballschmiter (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,6-trichlorodiphenyl ether $C_{12}H_7Cl_3O$ (PCDE-24)	3.0×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3',4-trichlorodiphenyl ether $C_{12}H_7Cl_3O$ (PCDE-25)	1.5×10^{-1}		Kurz and Ballschmiter (1999)	V	
2,4,4'-trichlorodiphenyl ether $C_{12}H_7Cl_3O$ (PCDE-28)	3.0×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,4,5-trichlorodiphenyl ether $C_{12}H_7Cl_3O$ (PCDE-29)	8.9×10^{-3}		Kurz and Ballschmiter (1999)	V	
2,4,6-trichlorodiphenyl ether $C_{12}H_7Cl_3O$ (PCDE-30)	1.4×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,4',5-trichlorodiphenyl ether $C_{12}H_7Cl_3O$ (PCDE-31) [65075-00-5]	1.6×10^{-1}		Kurz and Ballschmiter (1999)	V	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4',6-trichlorodiphenyl ether $C_{12}H_7Cl_3O$ (PCDE-32)	4.2×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3',4'-trichlorodiphenyl ether $C_{12}H_7Cl_3O$ (PCDE-33)	3.4×10^{-1}		Kurz and Ballschmiter (1999)	V	
3,3',4-trichlorodiphenyl ether $C_{12}H_7Cl_3O$ (PCDE-35)	2.2×10^{-1}		Kurz and Ballschmiter (1999)	V	
3,4,4'-trichlorodiphenyl ether $C_{12}H_7Cl_3O$ (PCDE-37)	1.6×10^{-1}		Kurz and Ballschmiter (1999)	V	
3,4,5-trichlorodiphenyl ether $C_{12}H_7Cl_3O$ (PCDE-38)	9.1×10^{-3}		Kurz and Ballschmiter (1999)	V	
3,4',5-trichlorodiphenyl ether $C_{12}H_7Cl_3O$ (PCDE-39)	1.6×10^{-1}		Kurz and Ballschmiter (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,4-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-41)	5.5×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',3,4'-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-42)	5.8×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',4,4'-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-47) [28076-73-5]	2.9×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',4,5-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-48)	1.6×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',4,5'-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-49)	2.6×10^{-2}		Kurz and Ballschmiter (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,3',4-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-55)	2.3×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3,3',4'-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-56)	4.4×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3,4,4'-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-60)	3.6×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3,4,5-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-61)	6.6×10^{-3}		Kurz and Ballschmiter (1999)	V	
2,3,4,6-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-62)	9.1×10^{-3}		Kurz and Ballschmiter (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,4',5-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-63)	1.5×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3,4',6-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-64)	3.8×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3,5,6-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-65)	9.3×10^{-3}		Kurz and Ballschmiter (1999)	V	
2,3',4,4'-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-66) [61328-46-9]	2.5×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3',4,5-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-67)	8.9×10^{-3}		Kurz and Ballschmiter (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3',4,5'-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-68)	1.0×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3',4',5-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-70)	1.8×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3',4',6-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-71)	4.6×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,4,4',5-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-74) [61328-45-8]	1.9×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,4,4',6-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-75)	1.7×10^{-2}		Kurz and Ballschmiter (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,3',4,4'-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-77) [56348-72-2]	4.1×10^{-2}		Kurz and Ballschmiter (1999)	V	
3,3',4,5'-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-79)	1.0×10^{-2}		Kurz and Ballschmiter (1999)	V	
3,4,4',5-tetrachlorodiphenyl ether $C_{12}H_6Cl_4O$ (PCDE-81)	1.5×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',3,3',4-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-82)	8.3×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',3,4,4'-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-85) [71585-37-0]	5.2×10^{-2}		Kurz and Ballschmiter (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,4,5'-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-87)	2.2×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',3,4,6'-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-89)	6.5×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',3,4',5-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-90)	1.5×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',3,4',6-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-91)	3.9×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',3,4',5'-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-97)	3.3×10^{-2}		Kurz and Ballschmiter (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',4,4',5-pentachlorodiphenyl ether	1.8×10^{-2}		Kurz and Ballschmiter (1999)	V	
$C_{12}H_5Cl_5O$ (PCDE-99) [60123-64-0]	3.8×10^{-2}	6100	Paasivirta et al. (1999)	T	
2,2',4,4',6-pentachlorodiphenyl ether	2.1×10^{-2}		Kurz and Ballschmiter (1999)	V	
$C_{12}H_5Cl_5O$ (PCDE-100) [104294-16-8]	1.3×10^{-2}	5800	Paasivirta et al. (1999)	T	
2,2',4,5,5'-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-101) [131138-21-1]	1.6×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',4,5,6'-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-102)	3.7×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3,3',4,4'-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-105) [85918-31-6]	4.2×10^{-2}		Kurz and Ballschmiter (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,3',4,5'-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-108)	1.5×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3,3',4,6-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-109)	1.4×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3,3',4',6-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-110)	3.6×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3,4,4',5-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-114)	1.2×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3,4,4',6-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-115)	1.1×10^{-2}		Kurz and Ballschmiter (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,4,5,6-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-116)	6.6×10^{-3}		Kurz and Ballschmiter (1999)	V	
2,3,4',5,6-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-117)	1.1×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3',4,4',5-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-118)	1.5×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3',4,4',6-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-119)	1.3×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3',4,5,5'-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-120)	4.8×10^{-3}		Kurz and Ballschmiter (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3',4,4',5'-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-123)	1.3×10^{-2}		Kurz and Ballschmiter (1999)	V	
3,3',4,4',5-pentachlorodiphenyl ether $C_{12}H_5Cl_5O$ (PCDE-126) [94339-59-0]	1.0×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',3,3',4,4'-hexachlorodiphenyl ether $C_{12}H_4Cl_6O$ (PCDE-128) [71585-39-2]	8.3×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',3,3',4,5'-hexachlorodiphenyl ether $C_{12}H_4Cl_6O$ (PCDE-130)	1.5×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',3,3',4,6'-hexachlorodiphenyl ether $C_{12}H_4Cl_6O$ (PCDE-132)	6.2×10^{-2}		Kurz and Ballschmiter (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,4,4',5-hexachlorodiphenyl ether	1.8×10^{-2}		Kurz and Ballschmiter (1999)	V	
$C_{12}H_4Cl_6O$ (PCDE-137) [71585-36-9]	1.9×10^{-2}	6400	Paasivirta et al. (1999)	T	
2,2',3,4,4',5'-hexachlorodiphenyl ether	2.9×10^{-2}		Kurz and Ballschmiter (1999)	V	
$C_{12}H_4Cl_6O$ (PCDE-138) [71585-38-1]	2.8×10^{-2}	6500	Paasivirta et al. (1999)	T	
2,2',3,4,4',6-hexachlorodiphenyl ether $C_{12}H_4Cl_6O$ (PCDE-139)	9.8×10^{-3}		Kurz and Ballschmiter (1999)	V	
2,2',3,4,4',6'-hexachlorodiphenyl ether $C_{12}H_4Cl_6O$ (PCDE-140) [106220-82-0]	3.0×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',3,4',5,5'-hexachlorodiphenyl ether $C_{12}H_4Cl_6O$ (PCDE-146)	1.0×10^{-2}		Kurz and Ballschmiter (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,4',5,6-hexachlorodiphenyl ether $C_{12}H_4Cl_6O$ (PCDE-147)	1.0×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',3,4',5',6-hexachlorodiphenyl ether $C_{12}H_4Cl_6O$ (PCDE-149)	3.1×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',4,4',5,5'-hexachlorodiphenyl ether	1.3×10^{-2}		Kurz and Ballschmiter (1999)	V	
$C_{12}H_4Cl_6O$ (PCDE-153) [71859-30-8]	1.1×10^{-2}	6300	Paasivirta et al. (1999)	T	
2,2',4,4',5,6'-hexachlorodiphenyl ether	1.4×10^{-2}		Kurz and Ballschmiter (1999)	V	
$C_{12}H_4Cl_6O$ (PCDE-154) [106220-81-9]	4.4×10^{-3}	5900	Paasivirta et al. (1999)	T	
2,3,3',4,4',5-hexachlorodiphenyl ether $C_{12}H_4Cl_6O$ (PCDE-156)	1.2×10^{-2}		Kurz and Ballschmiter (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,3',4,4',5'-hexachlorodiphenyl ether $C_{12}H_4Cl_6O$ (PCDE-157)	2.8×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3,3',4',5,6-hexachlorodiphenyl ether $C_{12}H_4Cl_6O$ (PCDE-163)	1.6×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,3,4,4',5,6-hexachlorodiphenyl ether $C_{12}H_4Cl_6O$ (PCDE-166)	5.0×10^{-3}		Kurz and Ballschmiter (1999)	V	
2,3',4,4',5,5'-hexachlorodiphenyl ether	8.3×10^{-3}		Kurz and Ballschmiter (1999)	V	
$C_{12}H_4Cl_6O$ (PCDE-167) [131138-20-0]	9.0×10^{-3}	6200	Paasivirta et al. (1999)	T	
2,2',3,3',4,4',5-heptachlorodiphenyl ether $C_{12}H_3Cl_7O$ (PCDE-170)	2.0×10^{-2}		Kurz and Ballschmiter (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,3',4,5,6'-heptachlorodiphenyl ether $C_{12}H_3Cl_7O$ (PCDE-174)	1.8×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',3,3',4,5',6'-heptachlorodiphenyl ether $C_{12}H_3Cl_7O$ (PCDE-177)	1.4×10^{-2}		Kurz and Ballschmiter (1999)	V	
2,2',3,4,4',5,5'-heptachlorodiphenyl ether	5.0×10^{-3}		Kurz and Ballschmiter (1999)	V	
$C_{12}H_3Cl_7O$ (PCDE-180) [83992-69-2]	1.9×10^{-2}	6800	Paasivirta et al. (1999)	T	
2,2',3,4,4',5,6-heptachlorodiphenyl ether $C_{12}H_3Cl_7O$ (PCDE-181)	3.4×10^{-3}		Kurz and Ballschmiter (1999)	V	
2,2',3,4,4',5,6'-heptachlorodiphenyl ether $C_{12}H_3Cl_7O$ (PCDE-182) [88467-63-4]	3.3×10^{-3}	6400	Paasivirta et al. (1999)	T	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,4,4',6,6'-heptachlorodiphenyl ether $C_{12}H_3Cl_7O$ (PCDE-184) [106220-84-2]	2.0×10^{-1}	7800	Paasivirta et al. (1999)	T	
2,2',3,4',5,5',6-heptachlorodiphenyl ether $C_{12}H_3Cl_7O$ (PCDE-187)	7.4×10^{-3}		Kurz and Ballschmiter (1999)	V	
2,3,3',4,4',5,5'-heptachlorodiphenyl ether $C_{12}H_3Cl_7O$ (PCDE-189)	6.2×10^{-3}		Kurz and Ballschmiter (1999)	V	
2,3,3',4,4',5,6-heptachlorodiphenyl ether $C_{12}H_3Cl_7O$ (PCDE-190)	5.8×10^{-3}		Kurz and Ballschmiter (1999)	V	
2,2',3,3',4,4',5,5'-octachlorodiphenyl ether $C_{12}H_2Cl_8O$ (PCDE-194)	4.3×10^{-3}		Kurz and Ballschmiter (1999)	V	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,3',4,4',5,6-octachlorodiphenyl ether $C_{12}H_2Cl_8O$ (PCDE-195)	1.8×10^{-3}		Kurz and Ballschmiter (1999)	V	
2,2',3,3',4,4',5,6'-octachlorodiphenyl ether $C_{12}H_2Cl_8O$ (PCDE-196) [85918-38-3]	8.7×10^{-3}	7100	Paasivirta et al. (1999)	T	
2,2',3,3',4,4',6,6'-octachlorodiphenyl ether $C_{12}H_2Cl_8O$ (PCDE-197) [117948-62-6]	7.7×10^{-3}	7000	Paasivirta et al. (1999)	T	
2,2',3,3',4,5,5',6'-octachlorodiphenyl ether $C_{12}H_2Cl_8O$ (PCDE-199)	2.6×10^{-3}		Kurz and Ballschmiter (1999)	V	
2,2',3,4,4',5,5',6-octachlorodiphenyl ether $C_{12}H_2Cl_8O$ (PCDE-203)	2.3×10^{-3}		Kurz and Ballschmiter (1999)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',3,3',4,4',5,5',6-nonachlorodiphenyl ether $C_{12}HCl_9O$ (PCDE-206) [83992-73-8]	5.1×10^{-4}		Kurz and Ballschmiter (1999)	V	
decachlorodiphenyl ether $C_{12}Cl_{10}O$ (PCDE-209) [31710-30-2]	7.1×10^{-5}		Kurz and Ballschmiter (1999)	V	
Polychlorinated dibenzofuranes (PCDFs)					
1-chlorodibenzofuran $C_{12}H_7ClO$ (PCDF-1) [84761-86-4]	8.3×10^{-2}		Govers and Krop (1998)	Q	
2-chlorodibenzofuran $C_{12}H_7ClO$ (PCDF-2) [51230-49-0]	1.1×10^{-1}		Govers and Krop (1998)	Q	
3-chlorodibenzofuran $C_{12}H_7ClO$ (PCDF-3) [25074-67-3]	1.3×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-chlorodibenzofuran $C_{12}H_7ClO$ (PCDF-4) [74992-96-4]	8.9×10^{-2}		Govers and Krop (1998)	Q	
1,2-dichlorodibenzofuran $C_{12}H_6Cl_2O$ (PCDF-12) [64126-85-8]	1.5×10^{-1}		Govers and Krop (1998)	Q	
1,3-dichlorodibenzofuran $C_{12}H_6Cl_2O$ (PCDF-13) [94538-00-8]	2.0×10^{-1}		Govers and Krop (1998)	Q	
1,4-dichlorodibenzofuran $C_{12}H_6Cl_2O$ (PCDF-14) [94538-01-9]	1.5×10^{-1}		Govers and Krop (1998)	Q	
1,6-dichlorodibenzofuran $C_{12}H_6Cl_2O$ (PCDF-16) [74992-97-5]	1.4×10^{-1}		Govers and Krop (1998)	Q	
1,7-dichlorodibenzofuran $C_{12}H_6Cl_2O$ (PCDF-17) [94538-02-0]	1.9×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,8-dichlorodibenzofuran $C_{12}H_6Cl_2O$ (PCDF-18) [81638-37-1]	2.5×10^{-1}		Govers and Krop (1998)	Q	
1,9-dichlorodibenzofuran $C_{12}H_6Cl_2O$ (PCDF-19) [70648-14-5]	2.0×10^{-1}		Govers and Krop (1998)	Q	
2,3-dichlorodibenzofuran $C_{12}H_6Cl_2O$ (PCDF-23) [64126-86-9]	2.3×10^{-1}		Govers and Krop (1998)	Q	
2,4-dichlorodibenzofuran $C_{12}H_6Cl_2O$ (PCDF-24) [24478-74-8]	1.9×10^{-1}		Govers and Krop (1998)	Q	
2,6-dichlorodibenzofuran $C_{12}H_6Cl_2O$ (PCDF-26) [60390-27-4]	1.8×10^{-1}		Govers and Krop (1998)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,7-dichlorodibenzofuran $C_{12}H_6Cl_2O$ (PCDF-27) [74992-98-6]	2.0×10^{-1}		Govers and Krop (1998)	Q	
2,8-dichlorodibenzofuran	1.6×10^{-1}		Mackay et al. (2006b)	V	
$C_{12}H_6Cl_2O$	1.6×10^{-1}		Govers and Krop (1998)	V	
(PCDF-28)	2.6×10^{-1}		Saçan et al. (2005)	Q	
[5409-83-6]	2.2×10^{-1}		Govers and Krop (1998)	Q	
3,4-dichlorodibenzofuran $C_{12}H_6Cl_2O$ (PCDF-34) [94570-83-9]	1.9×10^{-1}		Govers and Krop (1998)	Q	
3,6-dichlorodibenzofuran $C_{12}H_6Cl_2O$ (PCDF-36) [74918-40-4]	2.2×10^{-1}		Govers and Krop (1998)	Q	
3,7-dichlorodibenzofuran $C_{12}H_6Cl_2O$ (PCDF-37) [58802-21-4]	3.0×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4,6-dichlorodibenzofuran $C_{12}H_6Cl_2O$ (PCDF-46) [64560-13-0]	2.2×10^{-1}		Govers and Krop (1998)	Q	
1,2,3-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-123) [83636-47-9]	2.9×10^{-1}		Govers and Krop (1998)	Q	
1,2,4-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-124) [24478-73-7]	2.5×10^{-1}		Govers and Krop (1998)	Q	
1,2,6-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-126) [64560-15-2]	2.3×10^{-1}		Govers and Krop (1998)	Q	
1,2,7-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-127) [83704-37-4]	2.3×10^{-1}		Govers and Krop (1998)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,8-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-128) [83704-34-1]	3.9×10^{-1}		Govers and Krop (1998)	Q	
1,2,9-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-129) [83704-38-5]	4.8×10^{-1}		Govers and Krop (1998)	Q	
1,3,4-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-134) [82911-61-3]	2.8×10^{-1}		Govers and Krop (1998)	Q	
1,3,6-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-136) [83704-39-6]	3.3×10^{-1}		Govers and Krop (1998)	Q	
1,3,7-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-137) [64560-16-3]	4.1×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,3,8-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-138) [76621-12-0]	4.2×10^{-1}		Govers and Krop (1998)	Q	
1,3,9-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-139) [83704-40-9]	4.4×10^{-1}		Govers and Krop (1998)	Q	
1,4,6-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-146) [82911-60-2]	3.5×10^{-1}		Govers and Krop (1998)	Q	
1,4,7-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-147) [83704-41-0]	3.2×10^{-1}		Govers and Krop (1998)	Q	
1,4,8-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-148) [64560-14-1]	3.9×10^{-1}		Govers and Krop (1998)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,4,9-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-149) [70648-13-4]	3.5×10^{-1}		Govers and Krop (1998)	Q	
2,3,4-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-234) [57117-34-7]	3.1×10^{-1}		Govers and Krop (1998)	Q	
2,3,6-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-236)	3.4×10^{-1}		Govers and Krop (1998)	Q	
2,3,7-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-237) [58802-17-8]	3.5×10^{-1}		Govers and Krop (1998)	Q	
2,3,8-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-238) [57117-32-5]	3.1×10^{-1}		Govers and Krop (1998)	Q	
2,3,9-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-239)	4.6×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4,6-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-246) [58802-14-5]	4.2×10^{-1}		Govers and Krop (1998)	Q	
2,4,7-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-247) [83704-42-1]	3.1×10^{-1}		Govers and Krop (1998)	Q	
2,4,8-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-248) [54589-71-8]	3.2×10^{-1}		Govers and Krop (1998)	Q	
2,4,9-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-249)	4.1×10^{-1}		Govers and Krop (1998)	Q	
3,4,6-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-346)	4.3×10^{-1}		Govers and Krop (1998)	Q	
3,4,7-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-347) [83704-44-3]	3.9×10^{-1}		Govers and Krop (1998)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,4,8-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-348)	2.5×10^{-1}		Govers and Krop (1998)	Q	
3,4,9-trichlorodibenzofuran $C_{12}H_5Cl_3O$ (PCDF-349) [83704-46-5]	2.7×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,4-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1234) [24478-72-6]	3.6×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,6-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1236) [83704-21-6]	4.1×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,7-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1237) [83704-22-7]	3.9×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,8-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1238) [62615-08-1]	5.0×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3,9-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1239) [83704-23-8]	7.9×10^{-1}		Govers and Krop (1998)	Q	
1,2,4,6-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1246) [71998-73-7]	5.1×10^{-1}		Govers and Krop (1998)	Q	
1,2,4,7-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1247) [83719-40-8]	3.5×10^{-1}		Govers and Krop (1998)	Q	
1,2,4,8-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1248) [64126-87-0]	5.5×10^{-1}		Govers and Krop (1998)	Q	
1,2,4,9-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1249)	7.4×10^{-1}		Govers and Krop (1998)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,6,7-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1267) [83704-25-0]	2.8×10^{-1}		Govers and Krop (1998)	Q	
1,2,6,8-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1268) [83710-07-0]	5.5×10^{-1}		Govers and Krop (1998)	Q	
1,2,6,9-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1269)	7.1×10^{-1}		Govers and Krop (1998)	Q	
1,2,7,8-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1278) [58802-20-3]	1.1 4.8×10^{-1}		Saçan et al. (2005) Govers and Krop (1998)	Q Q	
1,2,7,9-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1279) [83704-26-1]	6.9×10^{-1}		Govers and Krop (1998)	Q	
1,2,8,9-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1289)	9.5×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,3,4,6-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1346) [83704-27-2]	6.3×10^{-1}		Govers and Krop (1998)	Q	
1,3,4,7-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1347) [70648-16-7]	5.1×10^{-1}		Govers and Krop (1998)	Q	
1,3,4,8-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1348) [92341-04-3]	5.0×10^{-1}		Govers and Krop (1998)	Q	
1,3,4,9-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1349)	5.8×10^{-1}		Govers and Krop (1998)	Q	
1,3,6,7-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1367) [57117-36-9]	5.1×10^{-1}		Govers and Krop (1998)	Q	
1,3,6,8-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1368) [71998-72-6]	6.2×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,3,6,9-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1369) [83690-98-6]	6.8×10^{-1}		Govers and Krop (1998)	Q	
1,3,7,8-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1378) [57117-35-8]	6.5×10^{-1}		Govers and Krop (1998)	Q	
1,3,7,9-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1379) [64560-17-4]	7.9×10^{-1}		Govers and Krop (1998)	Q	
1,4,6,7-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1467) [66794-59-0]	5.9×10^{-1}		Govers and Krop (1998)	Q	
1,4,6,8-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1468) [82911-58-8]	8.5×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,4,6,9-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1469)	7.9×10^{-1}		Govers and Krop (1998)	Q	
1,4,7,8-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1478) [83704-29-4]	6.5×10^{-1}		Govers and Krop (1998)	Q	
1,6,7,8-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-1678)	5.8×10^{-1}		Govers and Krop (1998)	Q	
2,3,4,6-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-2346) [83704-30-7]	6.2×10^{-1}		Govers and Krop (1998)	Q	
2,3,4,7-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-2347) [83704-31-8]	4.4×10^{-1}		Govers and Krop (1998)	Q	
2,3,4,8-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-2348) [83704-32-9]	3.5×10^{-1}		Govers and Krop (1998)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,6,7-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-2367) [57117-39-2]	4.1×10^{-1}		Govers and Krop (1998)	Q	
2,3,6,8-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-2368) [57117-37-0]	4.2×10^{-1}		Govers and Krop (1998)	Q	
2,3,7,8-tetrachlorodibenzofuran	5.9×10^{-1}		Friesen et al. (1993)	M	
$C_{12}H_4Cl_4O$	6.8×10^{-1}		Mackay et al. (2006b)	V	
(PCDF-2378)	8.5×10^{-1}		Govers and Krop (1998)	V	
[51207-31-9]	2.2×10^{-3}	3700	Paasivirta et al. (1999)	T	
	7.2×10^{-1}		Saçan et al. (2005)	Q	
	3.7×10^{-1}		Govers and Krop (1998)	Q	
2,4,6,7-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-2467) [57117-38-1]	5.4×10^{-1}		Govers and Krop (1998)	Q	
2,4,6,8-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-2468) [58802-19-0]	6.6×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,4,6,7-tetrachlorodibenzofuran $C_{12}H_4Cl_4O$ (PCDF-3467) [57117-40-5]	7.1×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,4,6-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-12346) [83704-47-6]	7.1×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,4,7-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-12347) [83704-48-7]	4.5×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,4,8-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-12348) [67517-48-0]	5.5×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,4,9-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-12349) [83704-49-8]	9.8×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3,6,7-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-12367) [57117-42-7]	4.2×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,6,8-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-12368) [83704-51-2]	6.5×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,6,9-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-12369) [83704-52-3]	1.1		Govers and Krop (1998)	Q	
1,2,3,7,8-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-12378) [57117-41-6]	8.7×10^{-4}	3000	Paasivirta et al. (1999)	T	
	5.2×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,7,9-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-12379) [83704-53-4]	1.0		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3,8,9-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-12389) [83704-54-5]	2.0		Saçan et al. (2005)	Q	
	1.1		Govers and Krop (1998)	Q	
1,2,4,6,7-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-12467) [83704-50-1]	5.8×10^{-1}		Govers and Krop (1998)	Q	
1,2,4,6,8-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-12468) [69698-57-3]	1.0		Govers and Krop (1998)	Q	
1,2,4,6,9-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-12469) [70648-24-7]	1.5		Govers and Krop (1998)	Q	
1,2,4,7,8-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-12478) [58802-15-6]	6.2×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,4,7,9-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-12479) [71998-74-8]	9.8×10^{-1}		Govers and Krop (1998)	Q	
1,2,4,8,9-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-12489) [70648-23-6]	1.3		Govers and Krop (1998)	Q	
1,2,6,7,9-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-12679) [70872-82-1]	7.9×10^{-1}		Govers and Krop (1998)	Q	
1,3,4,6,7-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-13467) [83704-36-3]	8.9×10^{-1}		Govers and Krop (1998)	Q	
1,3,4,6,8-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-13468) [83704-55-6]	1.0		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,3,4,6,9-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-13469) [70648-15-6]	1.2		Govers and Krop (1998)	Q	
1,3,4,7,8-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-13478) [58802-16-7]	7.1×10^{-1}		Govers and Krop (1998)	Q	
1,3,4,7,9-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-13479) [70648-20-3]	9.5×10^{-1}		Govers and Krop (1998)	Q	
1,3,6,7,8-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-13678) [70648-21-4]	7.6×10^{-1}		Govers and Krop (1998)	Q	
1,4,6,7,8-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-14678)	1.1		Govers and Krop (1998)	Q	
2,3,4,6,7-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-23467) [57117-43-8]	6.9×10^{-1}		Govers and Krop (1998)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,4,6,8-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-23468) [67481-22-5]	6.6×10^{-1}		Govers and Krop (1998)	Q	
2,3,4,7,8-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-23478) [57117-31-4]	2.0		Mackay et al. (2006b)	V	
	1.7		Govers and Krop (1998)	V	
	2.3×10^{-3}	2900	Paasivirta et al. (1999)	T	
	1.6		Saçan et al. (2005)	Q	
	3.9×10^{-1}		Govers and Krop (1998)	Q	
2,3,4,8,9-pentachlorodibenzofuran $C_{12}H_3Cl_5O$ (PCDF-23489)	5.2×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,4,6,7-hexachlorodibenzofuran $C_{12}H_2Cl_6O$ (PCDF-123467) [79060-60-9]	6.8×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,4,6,8-hexachlorodibenzofuran $C_{12}H_2Cl_6O$ (PCDF-123468) [69698-60-8]	2.4×10^{-4}	2300	Paasivirta et al. (1999)	T	
	9.8×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3,4,6,9-hexachlorodibenzofuran $C_{12}H_2Cl_6O$ (PCDF-123469) [91538-83-9]	1.8		Govers and Krop (1998)	Q	
1,2,3,4,7,8-hexachlorodibenzofuran $C_{12}H_2Cl_6O$ (PCDF-123478) [70648-26-9]	6.9×10^{-1}		Mackay et al. (2006b)	V	
	3.8×10^{-1}		Govers and Krop (1998)	V	
	4.1×10^{-4}	2400	Paasivirta et al. (1999)	T	
	2.0		Saçan et al. (2005)	Q	
	5.2×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,4,7,9-hexachlorodibenzofuran $C_{12}H_2Cl_6O$ (PCDF-123479) [91538-84-0]	1.1		Govers and Krop (1998)	Q	
1,2,3,4,8,9-hexachlorodibenzofuran $C_{12}H_2Cl_6O$ (PCDF-123489) [92341-07-6]	2.7		Saçan et al. (2005)	Q	
	1.1		Govers and Krop (1998)	Q	
1,2,3,6,7,8-hexachlorodibenzofuran $C_{12}H_2Cl_6O$ (PCDF-123678) [57117-44-9]	9.1×10^{-1}		Govers and Krop (1998)	V	
	1.1×10^{-3}	3300	Paasivirta et al. (1999)	T	
	2.2		Saçan et al. (2005)	Q	
	5.2×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3,6,7,9-hexachlorodibenzofuran $C_{12}H_2Cl_6O$ (PCDF-123679) [92341-06-5]	1.0		Govers and Krop (1998)	Q	
1,2,3,6,8,9-hexachlorodibenzofuran $C_{12}H_2Cl_6O$ (PCDF-123689) [75198-38-8]	1.3		Govers and Krop (1998)	Q	
1,2,3,7,8,9-hexachlorodibenzofuran $C_{12}H_2Cl_6O$ (PCDF-123789) [72918-21-9]	6.3×10^{-4}	2600	Paasivirta et al. (1999)	T	
	2.6		Saçan et al. (2005)	Q	
	1.0		Govers and Krop (1998)	Q	
1,2,4,6,7,8-hexachlorodibenzofuran $C_{12}H_2Cl_6O$ (PCDF-124678) [67562-40-7]	3.2×10^{-4}	2300	Paasivirta et al. (1999)	T	
	9.3×10^{-1}		Govers and Krop (1998)	Q	
1,2,4,6,7,9-hexachlorodibenzofuran $C_{12}H_2Cl_6O$ (PCDF-124679) [75627-02-0]	1.5		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,4,6,8,9-hexachlorodibenzofuran $C_{12}H_2Cl_6O$ (PCDF-124689) [69698-59-5]	2.2×10^{-4}	2600	Paasivirta et al. (1999)	T	
	2.4		Govers and Krop (1998)	Q	
1,3,4,6,7,8-hexachlorodibenzofuran $C_{12}H_2Cl_6O$ (PCDF-134678) [71998-75-9]	1.1		Govers and Krop (1998)	Q	
1,3,4,6,7,9-hexachlorodibenzofuran $C_{12}H_2Cl_6O$ (PCDF-134679) [92341-05-4]	1.6		Govers and Krop (1998)	Q	
2,3,4,6,7,8-hexachlorodibenzofuran $C_{12}H_2Cl_6O$ (PCDF-234678) [60851-34-5]	3.6×10^{-4}	2600	Paasivirta et al. (1999)	T	
	3.1		Saçan et al. (2005)	Q	
	5.6×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,4,6,7,8-heptachlorodibenzofuran $C_{12}HCl_7O$ (PCDF-1234678) [67562-39-4]	7.0×10^{-1}		Mackay et al. (2006b)	V	
	2.9×10^{-1}		Govers and Krop (1998)	V	
	5.4×10^{-5}	1600	Paasivirta et al. (1999)	T	
	3.9		Saçan et al. (2005)	Q	
	7.1×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3,4,6,7,9-heptachlorodibenzofuran $C_{12}HCl_7O$ (PCDF-1234679) [70648-25-8]	1.5		Govers and Krop (1998)	Q	
1,2,3,4,6,8,9-heptachlorodibenzofuran $C_{12}HCl_7O$ (PCDF-1234689) [69698-58-4]	3.4×10^{-4}	1800	Paasivirta et al. (1999)	T	
	1.9		Govers and Krop (1998)	Q	
1,2,3,4,7,8,9-heptachlorodibenzofuran $C_{12}HCl_7O$ (PCDF-1234789) [55673-89-7]	5.5×10^{-4}	2100	Paasivirta et al. (1999)	T	
	3.2		Saçan et al. (2005)	Q	
	1.0		Govers and Krop (1998)	Q	
octachlorodibenzofuran $C_{12}Cl_8O$ (PCDF-12346789) [39001-02-0]			Mackay et al. (2006b)	V	258
	7.6×10^{-1}		Govers and Krop (1998)	V	
	2.3×10^{-4}	2400	Paasivirta et al. (1999)	T	
	4.9		Saçan et al. (2005)	Q	
	1.3		Govers and Krop (1998)	Q	

Polychlorinated dibenzo-*p*-dioxins (PCDDs)

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-chlorodibenzo[*b*,*e*][1,4]dioxin $C_{12}H_7ClO_2$ (PCDD-1) [39227-53-7]	1.6×10^{-1}		Mackay et al. (2006b)	V	
	2.5×10^{-2}		Saçan et al. (2005)	V	
	1.6×10^{-1}		Govers and Krop (1998)	V	
	1.2×10^{-1}		Shiu et al. (1988)	V	
		7100	Kühne et al. (2005)	Q	
	6.8×10^{-2}		Saçan et al. (2005)	Q	
	1.3×10^{-1}		Wang and Wong (2002)	Q	216
	1.7×10^{-1}		Govers and Krop (1998)	Q	
		6500	Kühne et al. (2005)	?	
2-chlorodibenzo[*b*,*e*][1,4]dioxin $C_{12}H_7ClO_2$ (PCDD-2) [39227-54-8]	7.9×10^{-2}		Mackay et al. (2006b)	V	
	7.9×10^{-2}		Govers and Krop (1998)	V	
	6.7×10^{-2}		Shiu et al. (1988)	V	
	9.8×10^{-2}		Saçan et al. (2005)	Q	
	1.3×10^{-1}		Wang and Wong (2002)	Q	216
	2.2×10^{-1}		Govers and Krop (1998)	Q	
1,2-dichlorodibenzo[*b*,*e*][1,4]dioxin $C_{12}H_6Cl_2O_2$ (PCDD-12)	2.8×10^{-1}		Wang and Wong (2002)	Q	216
	3.2×10^{-1}		Govers and Krop (1998)	Q	
1,3-dichlorodibenzo[*b*,*e*][1,4]dioxin $C_{12}H_6Cl_2O_2$ (PCDD-13) [50585-39-2]	2.2×10^{-1}		Wang and Wong (2002)	Q	216
	3.8×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,4-dichlorodibenzo[*b*,*e*][1,4]dioxin	2.4×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_6Cl_2O_2$ (PCDD-14)	3.2×10^{-1}		Govers and Krop (1998)	Q	
1,6-dichlorodibenzo[*b*,*e*][1,4]dioxin	2.5×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_6Cl_2O_2$ (PCDD-16) [38178-38-0]	3.2×10^{-1}		Govers and Krop (1998)	Q	
1,7-dichlorodibenzo[*b*,*e*][1,4]dioxin	2.6×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_6Cl_2O_2$ (PCDD-17)	3.6×10^{-1}		Govers and Krop (1998)	Q	
1,8-dichlorodibenzo[*b*,*e*][1,4]dioxin	2.6×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_6Cl_2O_2$ (PCDD-18)	3.8×10^{-1}		Govers and Krop (1998)	Q	
1,9-dichlorodibenzo[*b*,*e*][1,4]dioxin	2.6×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_6Cl_2O_2$ (PCDD-19)	5.4×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3-dichlorodibenzo[*b*,*e*][1,4]dioxin	1.5×10^{-1}		Mackay et al. (2006b)	V	
$C_{12}H_6Cl_2O_2$	1.5×10^{-1}		Saçan et al. (2005)	V	
(PCDD-23)	1.5×10^{-1}		Govers and Krop (1998)	V	
[29446-15-9]	1.5×10^{-1}		Shiu et al. (1988)	V	
	2.5×10^{-1}		Saçan et al. (2005)	Q	
	2.6×10^{-1}		Wang and Wong (2002)	Q	216
	4.0×10^{-1}		Govers and Krop (1998)	Q	
2,7-dichlorodibenzo[*b*,*e*][1,4]dioxin	1.7×10^{-1}		Santl et al. (1994)	M	
$C_{12}H_6Cl_2O_2$			Mackay et al. (2006b)	V	258
(PCDD-27)	1.2×10^{-1}		Govers and Krop (1998)	V	
[33857-26-0]	1.2×10^{-1}		Shiu et al. (1988)	V	
	7.3×10^{-1}		Hilal et al. (2008)	Q	
	1.0×10^{-1}		Saçan et al. (2005)	Q	
	2.6×10^{-1}		Wang and Wong (2002)	Q	216
	3.5×10^{-1}		Govers and Krop (1998)	Q	
2,8-dichlorodibenzo[*b*,*e*][1,4]dioxin	4.7×10^{-1}		Mackay et al. (2006b)	V	
$C_{12}H_6Cl_2O_2$	4.7×10^{-1}		Govers and Krop (1998)	V	
(PCDD-28)	4.7×10^{-1}		Shiu et al. (1988)	V	
[38964-22-6]	1.7×10^{-1}		Saçan et al. (2005)	Q	
	2.6×10^{-1}		Wang and Wong (2002)	Q	216
	4.4×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3-trichlorodibenzo[*b*,*e*][1,4]dioxin	5.0×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_5Cl_3O_2$ (PCDD-123)	5.6×10^{-1}		Govers and Krop (1998)	Q	
1,2,4-trichlorodibenzo[*b*,*e*][1,4]dioxin	2.7×10^{-1}		Santl et al. (1994)	M	
$C_{12}H_5Cl_3O_2$	2.9×10^{-1}		Mackay et al. (2006b)	V	
(PCDD-124)	2.6×10^{-1}		Govers and Krop (1998)	V	
[39227-58-2]	2.6×10^{-1}		Shiu et al. (1988)	V	
	1.3		Hilal et al. (2008)	Q	
	3.0×10^{-1}		Saçan et al. (2005)	Q	
	4.4×10^{-1}		Wang and Wong (2002)	Q	216
	5.5×10^{-1}		Govers and Krop (1998)	Q	
			Fogg and Sangster (2003)	?	277
1,2,6-trichlorodibenzo[*b*,*e*][1,4]dioxin	5.0×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_5Cl_3O_2$ (PCDD-126)	5.1×10^{-1}		Govers and Krop (1998)	Q	
1,2,7-trichlorodibenzo[*b*,*e*][1,4]dioxin	5.1×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_5Cl_3O_2$ (PCDD-127)	4.6×10^{-1}		Govers and Krop (1998)	Q	
1,2,8-trichlorodibenzo[*b*,*e*][1,4]dioxin	5.1×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_5Cl_3O_2$ (PCDD-128)	6.0×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,9-trichlorodibenzo[*b*,*e*][1,4]dioxin	5.2×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_5Cl_3O_2$ (PCDD-129)	9.1×10^{-1}		Govers and Krop (1998)	Q	
1,3,6-trichlorodibenzo[*b*,*e*][1,4]dioxin	4.2×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_5Cl_3O_2$ (PCDD-136)	6.3×10^{-1}		Govers and Krop (1998)	Q	
1,3,7-trichlorodibenzo[*b*,*e*][1,4]dioxin	4.3×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_5Cl_3O_2$ (PCDD-137) [67028-17-5]	6.8×10^{-1}		Govers and Krop (1998)	Q	
1,3,8-trichlorodibenzo[*b*,*e*][1,4]dioxin	4.3×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_5Cl_3O_2$ (PCDD-138)	5.6×10^{-1}		Govers and Krop (1998)	Q	
1,3,9-trichlorodibenzo[*b*,*e*][1,4]dioxin	4.4×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_5Cl_3O_2$ (PCDD-139)	1.0		Govers and Krop (1998)	Q	
1,4,6-trichlorodibenzo[*b*,*e*][1,4]dioxin	4.4×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_5Cl_3O_2$ (PCDD-146)	9.3×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,4,7-trichlorodibenzo[*b*,*e*][1,4]dioxin	4.5×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_5Cl_3O_2$ (PCDD-147)	6.0×10^{-1}		Govers and Krop (1998)	Q	
1,7,8-trichlorodibenzo[*b*,*e*][1,4]dioxin	4.9×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_5Cl_3O_2$ (PCDD-178)	6.2×10^{-1}		Govers and Krop (1998)	Q	
2,3,7-trichlorodibenzo[*b*,*e*][1,4]dioxin	4.9×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_5Cl_3O_2$ (PCDD-237) [33857-28-2]	5.6×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,4-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	5.0×10^{-1}		Santl et al. (1994)	M	
$C_{12}H_4Cl_4O_2$	2.7×10^{-1}		Mackay et al. (2006b)	V	
(PCDD-1234)	1.4		Mackay et al. (2006b)	V	
[30746-58-8]	3.3×10^{-1}		Govers and Krop (1998)	V	
	2.7×10^{-1}		Shiu et al. (1988)	V	
	1.4		Hilal et al. (2008)	Q	
	6.3×10^{-1}		Saçan et al. (2005)	Q	
	8.7×10^{-1}		Wang and Wong (2002)	Q	216
	7.4×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,6-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	8.7×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_4Cl_4O_2$ (PCDD-1236)	8.1×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3,7-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	1.3		Mackay et al. (2006b)	V	
$C_{12}H_4Cl_4O_2$	1.7		Govers and Krop (1998)	V	
(PCDD-1237)	1.3		Shiu et al. (1988)	V	
[67028-18-6]	1.7		Hilal et al. (2008)	Q	
	4.3×10^{-1}		Saçan et al. (2005)	Q	
	8.7×10^{-1}		Wang and Wong (2002)	Q	216
	6.8×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,8-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	8.7×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_4Cl_4O_2$ (PCDD-1238) [53555-02-5]	7.1×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,9-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	9.1×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_4Cl_4O_2$ (PCDD-1239)	1.4		Govers and Krop (1998)	Q	
1,2,4,6-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	8.1×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_4Cl_4O_2$ (PCDD-1246)	1.4		Govers and Krop (1998)	Q	
1,2,4,7-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	7.8×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_4Cl_4O_2$ (PCDD-1247)	7.1×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,4,8-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	7.8×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_4Cl_4O_2$ (PCDD-1248)	8.9×10^{-1}		Govers and Krop (1998)	Q	
1,2,4,9-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	8.1×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_4Cl_4O_2$ (PCDD-1249)	1.5		Govers and Krop (1998)	Q	
1,2,6,7-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	9.5×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_4Cl_4O_2$ (PCDD-1267)	5.8×10^{-1}		Govers and Krop (1998)	Q	
1,2,6,8-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	8.1×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_4Cl_4O_2$ (PCDD-1268)	8.9×10^{-1}		Govers and Krop (1998)	Q	
1,2,6,9-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	8.7×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_4Cl_4O_2$ (PCDD-1269)	1.4		Govers and Krop (1998)	Q	
1,2,7,8-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	7.8×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_4Cl_4O_2$ (PCDD-1278) [34816-53-0]	6.8×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,7,9-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	8.3×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_4Cl_4O_2$ (PCDD-1279)	1.2		Govers and Krop (1998)	Q	
1,2,8,9-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	9.8×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_4Cl_4O_2$ (PCDD-1289)	1.3		Govers and Krop (1998)	Q	
1,3,6,8-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	1.4×10^{-1}		Webster et al. (1985)	M	
$C_{12}H_4Cl_4O_2$	1.4		Govers and Krop (1998)	V	
(PCDD-1368)	1.4		Shiu et al. (1988)	V	
[33423-92-6]	1.2		Hilal et al. (2008)	Q	
	2.9×10^{-1}		Saçan et al. (2005)	Q	
	6.8×10^{-1}		Wang and Wong (2002)	Q	216
	8.7×10^{-1}		Govers and Krop (1998)	Q	
1,3,6,9-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	7.4×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_4Cl_4O_2$ (PCDD-1369)	1.7		Govers and Krop (1998)	Q	
1,3,7,8-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	7.8×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_4Cl_4O_2$ (PCDD-1378) [50585-46-1]	7.9×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,3,7,9-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	7.1×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_4Cl_4O_2$ (PCDD-1379) [62470-53-5]	1.7		Govers and Krop (1998)	Q	
1,4,6,9-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	7.9×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_4Cl_4O_2$ (PCDD-1469)	2.6		Govers and Krop (1998)	Q	
1,4,7,8-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	8.1×10^{-1}		Wang and Wong (2002)	Q	216
$C_{12}H_4Cl_4O_2$ (PCDD-1478)	9.1×10^{-1}		Govers and Krop (1998)	Q	
2,3,7,8-tetrachlorodibenzo[*b*,*e*][1,4]dioxin	3.0×10^{-1}		Mackay et al. (2006b)	V	
$C_{12}H_4Cl_4O_2$	3.0×10^{-1}		Govers and Krop (1998)	V	
(PCDD-2378; TCDD)	5.8×10^{-1}		McLachlan et al. (1990)	V	148
[1746-01-6]	6.1×10^{-1}		Shiu et al. (1988)	V	
	3.0×10^{-1}		Shiu et al. (1988)	V	
	9.7×10^{-2}		Shiu et al. (1988)	V	
	6.3×10^{-1}		Podoll et al. (1986)	V	
	4.7		Schroy et al. (1985)	V	
	2.6×10^{-4}	3600	Paasivirta et al. (1999)	T	
	3.3×10^{-1}		Saçan et al. (2005)	Q	
	8.9×10^{-1}		Wang and Wong (2002)	Q	216
	6.2×10^{-1}		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3,4,6-pentachlorodibenzo[*b*,*e*][1,4]dioxin	1.5		Wang and Wong (2002)	Q	216
$C_{12}H_3Cl_5O_2$ (PCDD-12346)	1.8		Govers and Krop (1998)	Q	
1,2,3,4,7-pentachlorodibenzo[*b*,*e*][1,4]dioxin	3.8		Mackay et al. (2006b)	V	
$C_{12}H_3Cl_5O_2$	4.5		Govers and Krop (1998)	V	
(PCDD-12347)	3.8		Shiu et al. (1988)	V	
[39227-61-7]	7.0×10^{-1}		Saçan et al. (2005)	Q	
	1.4		Wang and Wong (2002)	Q	216
	8.1×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,6,7-pentachlorodibenzo[*b*,*e*][1,4]dioxin	1.5		Wang and Wong (2002)	Q	216
$C_{12}H_3Cl_5O_2$ (PCDD-12367)	7.8×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,6,8-pentachlorodibenzo[*b*,*e*][1,4]dioxin	1.3		Wang and Wong (2002)	Q	216
$C_{12}H_3Cl_5O_2$ (PCDD-12368)	9.5×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,7,8-pentachlorodibenzo[*b*,*e*][1,4]dioxin	5.2×10^{-5}	2500	Paasivirta et al. (1999)	T	
$C_{12}H_3Cl_5O_2$	6.4×10^{-1}		Saçan et al. (2005)	Q	
(PCDD-12378)	1.5		Wang and Wong (2002)	Q	216
[40321-76-4]	6.8×10^{-1}		Govers and Krop (1998)	Q	
1,2,4,6,7-pentachlorodibenzo[*b*,*e*][1,4]dioxin	1.4		Wang and Wong (2002)	Q	216
$C_{12}H_3Cl_5O_2$ (PCDD-12467)	1.4		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,4,6,8-pentachlorodibenzo[*b*,*e*][1,4]dioxin	1.2		Wang and Wong (2002)	Q	216
$C_{12}H_3Cl_5O_2$ (PCDD-12468)	2.1		Govers and Krop (1998)	Q	
1,2,4,6,9-pentachlorodibenzo[*b*,*e*][1,4]dioxin	1.3		Wang and Wong (2002)	Q	216
$C_{12}H_3Cl_5O_2$ (PCDD-12469)	3.6		Govers and Krop (1998)	Q	
1,2,4,7,8-pentachlorodibenzo[*b*,*e*][1,4]dioxin	1.3		Wang and Wong (2002)	Q	216
$C_{12}H_3Cl_5O_2$ (PCDD-12478) [58802-08-7]	9.1×10^{-1}		Govers and Krop (1998)	Q	
1,3,4,6,7-pentachlorodibenzo[*b*,*e*][1,4]dioxin	1.4		Wang and Wong (2002)	Q	216
$C_{12}H_3Cl_5O_2$ (PCDD-13467)	1.9		Govers and Krop (1998)	Q	
1,3,4,6,8-pentachlorodibenzo[*b*,*e*][1,4]dioxin	1.2		Wang and Wong (2002)	Q	216
$C_{12}H_3Cl_5O_2$ (PCDD-13468)	1.8		Govers and Krop (1998)	Q	
1,4,6,7,8-pentachlorodibenzo[*b*,*e*][1,4]dioxin	1.4		Wang and Wong (2002)	Q	216
$C_{12}H_3Cl_5O_2$ (PCDD-14678)	1.9		Govers and Krop (1998)	Q	
2,3,4,6,7-pentachlorodibenzo[*b*,*e*][1,4]dioxin	1.5		Wang and Wong (2002)	Q	216
$C_{12}H_3Cl_5O_2$ (PCDD-23467)	1.4		Govers and Krop (1998)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,4,6,8-pentachlorodibenzo[*b*,*e*][1,4]dioxin	1.3		Wang and Wong (2002)	Q	216
$C_{12}H_3Cl_5O_2$ (PCDD-23468)	1.5		Govers and Krop (1998)	Q	
1,2,3,4,6,7-hexachlorodibenzo[*b*,*e*][1,4]dioxin	2.5		Wang and Wong (2002)	Q	216
$C_{12}H_2Cl_6O_2$ (PCDD-123467)	1.5		Govers and Krop (1998)	Q	
1,2,3,4,6,8-hexachlorodibenzo[*b*,*e*][1,4]dioxin	2.2		Wang and Wong (2002)	Q	216
$C_{12}H_2Cl_6O_2$ (PCDD-123468)	1.8		Govers and Krop (1998)	Q	
1,2,3,4,6,9-hexachlorodibenzo[*b*,*e*][1,4]dioxin	2.3		Wang and Wong (2002)	Q	216
$C_{12}H_2Cl_6O_2$ (PCDD-123469)	4.0		Govers and Krop (1998)	Q	
1,2,3,4,7,8-hexachlorodibenzo[*b*,*e*][1,4]dioxin	3.0		Mackay et al. (2006b)	V	
$C_{12}H_2Cl_6O_2$	1.6		Govers and Krop (1998)	V	
(PCDD-123478)	2.2×10^{-1}		Shiu et al. (1988)	V	
[39227-28-6]	1.2×10^{-4}	2900	Paasivirta et al. (1999)	T	
		8800	Kühne et al. (2005)	Q	
	7.7×10^{-1}		Saçan et al. (2005)	Q	
	2.3		Wang and Wong (2002)	Q	216
	6.9×10^{-1}		Govers and Krop (1998)	Q	
		9400	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,3,6,7,8-hexachlorodibenzo[*b*,*e*][1,4]dioxin	6.2×10^{-5}	2800	Paasivirta et al. (1999)	T	
$C_{12}H_2Cl_6O_2$	7.4×10^{-1}		Saçan et al. (2005)	Q	
(PCDD-123678)	2.4		Wang and Wong (2002)	Q	216
[57653-85-7]	6.9×10^{-1}		Govers and Krop (1998)	Q	
1,2,3,7,8,9-hexachlorodibenzo[*b*,*e*][1,4]dioxin	2.5×10^{-4}	2700	Paasivirta et al. (1999)	T	
$C_{12}H_2Cl_6O_2$	1.1		Saçan et al. (2005)	Q	
(PCDD-123789)					
[19408-74-3]					
1,2,4,6,7,8-hexachlorodibenzo[*b*,*e*][1,4]dioxin	2.2		Wang and Wong (2002)	Q	216
$C_{12}H_2Cl_6O_2$	1.7		Govers and Krop (1998)	Q	
(PCDD-124678)					
1,2,4,6,7,9-hexachlorodibenzo[*b*,*e*][1,4]dioxin	2.1		Wang and Wong (2002)	Q	216
$C_{12}H_2Cl_6O_2$	3.5		Govers and Krop (1998)	Q	
(PCDD-124679)					
[39227-62-8]					
1,3,4,6,7,8-hexachlorodibenzo[*b*,*e*][1,4]dioxin	2.2		Wang and Wong (2002)	Q	216
$C_{12}H_2Cl_6O_2$	1.8		Govers and Krop (1998)	Q	
(PCDD-134678)					
1,3,4,6,7,9-hexachlorodibenzo[*b*,*e*][1,4]dioxin	2.0		Wang and Wong (2002)	Q	216
$C_{12}H_2Cl_6O_2$	4.4		Govers and Krop (1998)	Q	
(PCDD-134679)					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,4,6,7,8-hexachlorodibenzo[*b*,*e*][1,4]dioxin	2.4		Wang and Wong (2002)	Q	216
$C_{12}H_2Cl_6O_2$	1.2		Govers and Krop (1998)	Q	
(PCDD-234678)					
1,2,3,4,6,7,8-heptachlorodibenzo[*b*,*e*][1,4]dioxin	7.5		Mackay et al. (2006b)	V	
$C_{12}HCl_7O_2$	2.3		Govers and Krop (1998)	V	
(PCDD-1234678)	7.5		Shiu et al. (1988)	V	
[35822-46-9]	7.5×10^{-5}	2400	Paasivirta et al. (1999)	T	
	1.4		Saçan et al. (2005)	Q	
	3.6		Wang and Wong (2002)	Q	216
	1.2		Govers and Krop (1998)	Q	
1,2,3,4,6,7,9-heptachlorodibenzo[*b*,*e*][1,4]dioxin	3.4		Wang and Wong (2002)	Q	216
$C_{12}HCl_7O_2$	3.2		Govers and Krop (1998)	Q	
(PCDD-1234679)					
[58200-70-7]					
octachlorodibenzo[*b*,*e*][1,4]dioxin	1.5		Mackay et al. (2006b)	V	
$C_{12}Cl_8O_2$	7.6×10^{-1}		Govers and Krop (1998)	V	
(PCDD-12346789)	1.5		Shiu et al. (1988)	V	
[3268-87-9]	1.1×10^{-5}	2300	Paasivirta et al. (1999)	T	
		9600	Kühne et al. (2005)	Q	
	1.7		Saçan et al. (2005)	Q	
	5.2		Wang and Wong (2002)	Q	216
	1.9		Govers and Krop (1998)	Q	
		9500	Kühne et al. (2005)	?	

Chlorocarbons with nitrogen (C, H, O, N, Cl)

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
cyanogen chloride	1.2×10^{-2}		Hilal et al. (2008)	Q	
NCCl	5.1×10^{-3}		Yaws (1999)	?	
[506-77-4]					
N,N-dichloromethylamine	3.3×10^{-3}	4300	Cimetiere and De Laat (2009)	M	
CH_3NCl_2					
[7651-91-4]					
chloroacetonitrile		4600	Kühne et al. (2005)	Q	
C_2H_2ClN		5400	Kühne et al. (2005)	?	
[107-14-2]					
trichloroacetonitrile	7.3		Zhang et al. (2010)	Q	113, 114
C_2Cl_3N	1.9×10^{-2}		Zhang et al. (2010)	Q	113, 115
[545-06-2]	3.9×10^{-3}		Zhang et al. (2010)	Q	113, 116
	1.0×10^{-2}		Zhang et al. (2010)	Q	113, 117
1-amino-2-chlorobenzene	1.3		Mackay et al. (2006d)	V	
C_6H_6ClN	1.3		Lide and Frederikse (1995)	V	
(*o*-chloroaniline)	1.3		Mackay et al. (1995)	V	
[95-51-2]	2.4		Meylan and Howard (1991)	V	
	1.6		Abraham et al. (1994)	R	
	2.3		Hilal et al. (2008)	Q	
	5.4		Nirmalakhandan et al. (1997)	Q	
	7.0		Meylan and Howard (1991)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-amino-3-chlorobenzene	9.8		Altschuh et al. (1999)	M	
C_6H_6ClN	4.5		Mackay et al. (2006d)	V	
(*m*-chloroaniline)	4.5		Mackay et al. (1995)	V	
[108-42-9]	7.5		Abraham et al. (1994)	R	
	7.7		Hilal et al. (2008)	Q	
	5.3		Nirmalakhandan et al. (1997)	Q	
1-amino-4-chlorobenzene	1.0×10^{1}		Mackay et al. (2006d)	V	
C_6H_6ClN	9.1×10^{-1}		Lide and Frederikse (1995)	V	
(*p*-chloroaniline)	1.0×10^{1}		Mackay et al. (1995)	V	
[106-47-8]	2.5×10^{1}		Meylan and Howard (1991)	V	
	8.6		Abraham et al. (1994)	R	
	9.2×10^{-1}		Howard (1989)	X	161
	8.6		Hilal et al. (2008)	Q	
	5.3		Nirmalakhandan et al. (1997)	Q	
	7.0		Meylan and Howard (1991)	Q	
3,4-dichlorobenzenamine	4.4×10^{-1}		Mackay et al. (2006d)	V	
$C_6H_5Cl_2N$ (3,4-dichloroaniline) [95-76-1]	4.4×10^{-1}		Mackay et al. (1995)	V	
2,5-dichlorobenzenamine	9.5		Zhang et al. (2010)	Q	113, 114
$C_6H_5Cl_2N$	2.6		Zhang et al. (2010)	Q	113, 115
(2,5-dichloroaniline)	2.7		Zhang et al. (2010)	Q	113, 116
[95-82-9]	1.9×10^{1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4,5-trichlorobenzenamine	1.3×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_6H_4Cl_3N$	2.4		Zhang et al. (2010)	Q	113, 115
[636-30-6]	9.5		Zhang et al. (2010)	Q	113, 116
	1.8×10^{1}		Zhang et al. (2010)	Q	113, 117
2,4,6-trichlorobenzenamine	1.3×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_6H_4Cl_3N$	6.2×10^{-1}		Zhang et al. (2010)	Q	113, 115
[634-93-5]	4.1×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.5×10^{1}		Zhang et al. (2010)	Q	113, 117
2,6-dichlorobenzenenitrile	4.8×10^{-1}	5400	Schoene and Steinhanses (1985)	M	
$C_6H_3Cl_2CN$	1.5		Mackay et al. (2006d)	V	
(dichlobenil)	1.4		Schüürmann (2000)	V	
[1194-65-6]	1.5		Suntio et al. (1988)	V	9
	1.4		Burkhard and Guth (1981)	V	
		6000	Kühne et al. (2005)	Q	
		5500	Kühne et al. (2005)	?	
(2,4,6-trichlorophenyl)hydrazine	3.1×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_6H_5Cl_3N_2$	3.7×10^{1}		Zhang et al. (2010)	Q	113, 115
[5329-12-4]	1.1×10^{1}		Zhang et al. (2010)	Q	113, 116
	5.4×10^{3}		Zhang et al. (2010)	Q	113, 117
4-chlorobenzonitrile	2.5×10^{-1}		Zhang et al. (2010)	Q	113, 114
C_7H_4ClN	3.8×10^{-1}		Zhang et al. (2010)	Q	113, 115
[623-03-0]	1.6		Zhang et al. (2010)	Q	113, 116
	4.5×10^{-1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4,5,6-Tetrachloro-1,3-dicyanobenzene	5.0×10^{1}		Kawamoto and Urano (1989)	M	
$C_8Cl_4N_2$	1.7×10^{-2}		Mackay et al. (2006d)	V	
(chlorothalonil)	6.5×10^{1}		Zhang et al. (2010)	Q	113, 114
[1897-45-6]	1.5		Zhang et al. (2010)	Q	113, 115
	6.9×10^{1}		Zhang et al. (2010)	Q	113, 116
	2.7×10^{1}		Zhang et al. (2010)	Q	113, 117
	5.8		Hilal et al. (2008)	Q	
	6.5×10^{1}		Meylan and Howard (1991)	Q	
2-(p-chlorophenyl)-3-methylbutyronitrile	2.3		Zhang et al. (2010)	Q	113, 114
$C_{11}H_{12}ClN$	4.4		Zhang et al. (2010)	Q	113, 115
[2012-81-9]	3.9		Zhang et al. (2010)	Q	113, 116
	2.9×10^{-1}		Zhang et al. (2010)	Q	113, 117
3,3'-dichloro-[1,1'-biphenyl]-4,4'-diamine	2.0×10^{2}		Mackay et al. (2006d)	V	
$C_{12}H_{10}Cl_2N_2$	2.0×10^{2}		Mackay et al. (1995)	V	
(3,3'-dichlorobenzidine) [91-94-1]	1.2×10^{1}		Mackay et al. (1995)	C	
4,4'-methylenebis[2-chlorobenzenamine	3.0×10^{5}		Zhang et al. (2010)	Q	113, 114
$C_{13}H_{12}Cl_2N_2$	3.4×10^{4}		Zhang et al. (2010)	Q	113, 115
[101-14-4]	2.9×10^{4}		Zhang et al. (2010)	Q	113, 116
	9.7×10^{5}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4,6-trichloro-1,3,5-triazine	2.0×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_3Cl_3N_3$	2.4×10^{1}		Zhang et al. (2010)	Q	113, 115
[108-77-0]	3.1×10^{-1}		Zhang et al. (2010)	Q	113, 116
	7.9		Zhang et al. (2010)	Q	113, 117
2-chloropyridine	7.4×10^{-1}	5900	Arnett and Chawla (1979)	M	229
C_5H_4ClN	5.8×10^{-1}		Hilal et al. (2008)	Q	
[109-09-1]		6100	Kühne et al. (2005)	Q	
	1.5×10^{1}		Nirmalakhandan et al. (1997)	Q	
		6600	Kühne et al. (2005)	?	
3-chloropyridine	3.5×10^{-1}	5600	Arnett and Chawla (1979)	M	229
C_5H_4ClN	4.1×10^{-1}		Hilal et al. (2008)	Q	
[626-60-8]	1.5×10^{1}		Nirmalakhandan et al. (1997)	Q	
2,3,4,6-tetrachloropyridine	1.2×10^{-3}		Zhang et al. (2010)	Q	113, 114
C_5HCl_4N	1.1×10^{-1}		Zhang et al. (2010)	Q	113, 115
[14121-36-9]	7.9×10^{-2}		Zhang et al. (2010)	Q	113, 116
	2.9×10^{-1}		Zhang et al. (2010)	Q	113, 117
2,3,5,6-tetrachloropyridine	1.2×10^{-3}		Zhang et al. (2010)	Q	113, 114
C_5HCl_4N	3.4×10^{-2}		Zhang et al. (2010)	Q	113, 115
[2402-79-1]	8.4×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.9×10^{-1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
pentachloropyridine	1.6×10^{-3}		Zhang et al. (2010)	Q	113, 114
C_5Cl_5N	1.3×10^{-2}		Zhang et al. (2010)	Q	113, 115
[2176-62-7]	2.5×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.8×10^{-1}		Zhang et al. (2010)	Q	113, 117
2-chloro-6-(trichloromethyl)-pyridine	6.2×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_6H_3Cl_4N$	1.8		Zhang et al. (2010)	Q	113, 115
[1929-82-4]	2.7		Zhang et al. (2010)	Q	113, 116
	4.2×10^{-1}		Zhang et al. (2010)	Q	113, 117
	1.8		Hilal et al. (2008)	Q	
2,3,4,5-tetrachloro-6-methylpyridine	6.7×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_6H_3Cl_4N$	3.6×10^{-2}		Zhang et al. (2010)	Q	113, 115
[10469-02-0]	3.6×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.1×10^{-1}		Zhang et al. (2010)	Q	113, 117
2-chloro-5-(trichloromethyl)pyridine	6.2×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_6H_3Cl_4N$	2.2		Zhang et al. (2010)	Q	113, 115
[69045-78-9]	7.7×10^{-1}		Zhang et al. (2010)	Q	113, 116
	4.2×10^{-1}		Zhang et al. (2010)	Q	113, 117
2,3-dichloro-5-(trichloromethyl)pyridine	8.4×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_6H_2Cl_5N$	4.1×10^{-1}		Zhang et al. (2010)	Q	113, 115
[69045-83-6]	1.8×10^{-1}		Zhang et al. (2010)	Q	113, 116
	6.1×10^{-1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,5-dichloro-6-(trichloromethyl)pyridine	8.4×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_6H_2Cl_5N$	1.2		Zhang et al. (2010)	Q	113, 115
[1817-13-6]	9.9×10^{-1}		Zhang et al. (2010)	Q	113, 116
	5.7×10^{-1}		Zhang et al. (2010)	Q	113, 117
3,4,5-trichloro-2-(trichloromethyl)pyridine	7.2×10^{1}		Zhang et al. (2010)	Q	113, 114
C_6HCl_6N	9.0×10^{-2}		Zhang et al. (2010)	Q	113, 115
[1201-30-5]	1.0×10^{-1}		Zhang et al. (2010)	Q	113, 116
	4.1×10^{-1}		Zhang et al. (2010)	Q	113, 117
2,3,4,5-tetrachloro-6-(trichloromethyl)pyridine	1.5		Zhang et al. (2010)	Q	113, 114
C_6Cl_7N	6.7×10^{-2}		Zhang et al. (2010)	Q	113, 115
[1134-04-9]	7.0×10^{-2}		Zhang et al. (2010)	Q	113, 116
	2.3×10^{-1}		Zhang et al. (2010)	Q	113, 117
3,4,5,6-tetrachloropyridine-2-carbonitrile	7.5		Zhang et al. (2010)	Q	113, 114
$C_6Cl_4N_2$	1.7		Zhang et al. (2010)	Q	113, 115
[17824-83-8]	8.0×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.5×10^{1}		Zhang et al. (2010)	Q	113, 117
4-amino-3,5,6-trichloropyridine-2-carbonitrile	1.6×10^{4}		Zhang et al. (2010)	Q	113, 114
$C_6H_2Cl_3N_3$	1.1×10^{3}		Zhang et al. (2010)	Q	113, 115
[14143-60-3]	9.0×10^{3}		Zhang et al. (2010)	Q	113, 116
	1.0×10^{5}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
simazine	2.9×10^{3}		Mackay et al. (2006d)	V	
$C_7H_{12}ClN_5$	2.9×10^{3}		Suntio et al. (1988)	V	9
[122-34-9]	1.6×10^{4}		Glotfelty et al. (1987)	V	
	6.2×10^{7}		Delgado and Alderete (2003)	C	
	1.1×10^{4}		Delgado and Alderete (2003)	C	
	1.7×10^{3}		Hilal et al. (2008)	Q	
	7.2×10^{3}		Abraham et al. (2007)	Q	
	5.5×10^{5}		Delgado and Alderete (2003)	Q	
	4.0×10^{6}		Delgado and Alderete (2003)	Q	
desethylterbuthylazine $C_7H_{12}ClN_5$ [30125-63-4]	2.2×10^{3}		Otto et al. (1997)	V	
atrazine	1.9×10^{3}		Muir et al. (2004)	L	144
$C_8H_{14}ClN_5$	3.5×10^{3}		Mackay et al. (2006d)	V	
[1912-24-9]	1.0×10^{3}		Siebers et al. (1994)	V	
	3.3×10^{3}		Riederer (1990)	V	
	3.4×10^{3}		Suntio et al. (1988)	V	9
	2.0×10^{3}		Glotfelty et al. (1987)	V	
	8.3×10^{6}		Delgado and Alderete (2003)	C	
	4.3×10^{3}		Delgado and Alderete (2003)	C	
	7.2×10^{2}		Hilal et al. (2008)	Q	
	5.1×10^{3}		Abraham et al. (2007)	Q	
	2.8×10^{4}		Delgado and Alderete (2003)	Q	
	4.0×10^{5}		Delgado and Alderete (2003)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
propazine			Mackay et al. (2006d)	V	226
$C_9H_{16}ClN_5$	1.0×10^{4}		Suntio et al. (1988)	V	9
[139-40-2]	3.6×10^{2}		Hilal et al. (2008)	Q	
	4.0×10^{3}		Abraham et al. (2007)	Q	
terbuthylazine	2.5×10^{2}		Mackay et al. (2006d)	V	
$C_9H_{16}ClN_5$	2.5×10^{2}		Otto et al. (1997)	V	
[5915-41-3]	2.4×10^{2}		Siebers et al. (1994)	V	
	2.9×10^{2}		Hilal et al. (2008)	Q	
	9.0×10^{2}		Abraham et al. (2007)	Q	
cyanazine	3.3×10^{6}		Mackay et al. (2006d)	V	
$C_9H_{13}ClN_6$	8.3×10^{9}		Delgado and Alderete (2003)	C	
[21725-46-2]	3.9×10^{6}		Delgado and Alderete (2003)	C	
	6.4×10^{5}		Hilal et al. (2008)	Q	
	2.0×10^{6}		Abraham et al. (2007)	Q	
	4.5×10^{6}		Delgado and Alderete (2003)	Q	
	1.0×10^{9}		Delgado and Alderete (2003)	Q	
anilazine	3.5×10^{4}		Mackay et al. (2006d)	V	
$C_9H_5Cl_3N_4$	2.9×10^{1}		Zhang et al. (2010)	Q	113, 114
[101-05-3]	1.2×10^{3}		Zhang et al. (2010)	Q	113, 115
	9.5		Zhang et al. (2010)	Q	113, 116
	5.4×10^{3}		Zhang et al. (2010)	Q	113, 117
4,7-dichloroquinoline	2.6×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_9H_5Cl_2N$	6.9		Zhang et al. (2010)	Q	113, 115
[86-98-6]	1.5		Zhang et al. (2010)	Q	113, 116
	7.0		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
penconazole $C_{13}H_{15}Cl_2N_3$ [66246-88-6]	1.2×10^{3}		Mackay et al. (2006d)	V	
2-chloro-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine	1.2×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_{19}H_{18}N_3Cl$	1.3×10^{3}		Zhang et al. (2010)	Q	113, 115
[1237-53-2]	7.0		Zhang et al. (2010)	Q	113, 116
	1.2×10^{3}		Zhang et al. (2010)	Q	113, 117
trichloronitromethane	4.7×10^{-3}		Sander et al. (2011)	L	
CCl_3NO_2	4.7×10^{-3}		Worthington and Wade (2007)	M	
(chloropicrin)	4.8×10^{-3}		Kawamoto and Urano (1989)	M	
[76-06-2]			Mackay et al. (2006d)	V	226
	5.1×10^{-3}		Suntio et al. (1988)	V	9
	2.5×10^{-3}		Hilal et al. (2008)	Q	
1,1-dichloro-1-nitroethane $C_2H_3Cl_2NO_2$ [594-72-9]	2.0×10^{-2}		Hilal et al. (2008)	Q	
2-chloro-N,N-di-2-propenylacetamide $C_8H_{12}ClNO$ [93-71-0]	9.7×10^{1}		Hilal et al. (2008)	Q	
2,2-dichloro-N,N-di-2-propenylacetamide $C_8H_{11}Cl_2NO$ (dichlormid) [37764-25-3]	3.1×10^{1}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-chloronitrobenzene	1.1		Altschuh et al. (1999)	M	
$C_6H_4ClNO_2$	2.2×10^{-1}		Hellmann (1987)	M	30
(*o*-chloronitrobenzene)	2.8×10^{-1}		Lide and Frederikse (1995)	V	
[88-73-3]	6.2×10^{-1}		Zhang et al. (2010)	Q	113, 114
	1.5×10^{-1}		Zhang et al. (2010)	Q	113, 115
	1.2		Zhang et al. (2010)	Q	113, 116
	4.6×10^{-1}		Zhang et al. (2010)	Q	113, 117
	3.1×10^{-1}		Hilal et al. (2008)	Q	
		4700	Kühne et al. (2005)	Q	
		6000	Kühne et al. (2005)	?	
3-chloronitrobenzene	7.3×10^{-1}		Altschuh et al. (1999)	M	
$C_6H_4ClNO_2$	1.1×10^{-1}		Schüürmann (2000)	V	
(*m*-chloronitrobenzene)	6.2×10^{-1}		Zhang et al. (2010)	Q	113, 114
[121-73-3]	2.8×10^{-1}		Zhang et al. (2010)	Q	113, 115
	2.8×10^{-1}		Zhang et al. (2010)	Q	113, 116
	4.6×10^{-1}		Zhang et al. (2010)	Q	113, 117
	2.1×10^{-1}		Hilal et al. (2008)	Q	
4-chloronitrobenzene	2.0		Altschuh et al. (1999)	M	
$C_6H_4ClNO_2$	1.8×10^{-1}		Hellmann (1987)	M	30
(*p*-chloronitrobenzene)	2.8×10^{-1}		Lide and Frederikse (1995)	V	
[100-00-5]	6.2×10^{-1}		Zhang et al. (2010)	Q	113, 114
	3.0×10^{-1}		Zhang et al. (2010)	Q	113, 115
	6.1×10^{-1}		Zhang et al. (2010)	Q	113, 116
	4.6×10^{-1}		Zhang et al. (2010)	Q	113, 117
	2.3×10^{-1}		Hilal et al. (2008)	Q	
	2.3×10^{-1}		Hilal et al. (2008)	Q	
		4700	Kühne et al. (2005)	Q	
		4000	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2-dichloro-4-nitrobenzene	1.2		Altschuh et al. (1999)	M	
$C_6H_3Cl_2NO_2$	8.4×10^{-1}		Zhang et al. (2010)	Q	113, 114
[99-54-7]	3.1×10^{-1}		Zhang et al. (2010)	Q	113, 115
	4.6×10^{-1}		Zhang et al. (2010)	Q	113, 116
	6.7×10^{-1}		Zhang et al. (2010)	Q	113, 117
	2.7×10^{-1}		Hilal et al. (2008)	Q	
1,4-dichloro-2-nitrobenzene	8.2×10^{-1}		Altschuh et al. (1999)	M	
$C_6H_3Cl_2NO_2$	8.4×10^{-1}		Zhang et al. (2010)	Q	113, 114
[89-61-2]	1.5×10^{-1}		Zhang et al. (2010)	Q	113, 115
	7.3×10^{-1}		Zhang et al. (2010)	Q	113, 116
	6.1×10^{-1}		Zhang et al. (2010)	Q	113, 117
	3.1×10^{-1}		Hilal et al. (2008)	Q	
2,3-dichloronitrobenzene	8.4×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_6H_3Cl_2NO_2$	1.4×10^{-1}		Zhang et al. (2010)	Q	113, 115
[3209-22-1]	9.7×10^{-1}		Zhang et al. (2010)	Q	113, 116
	6.7×10^{-1}		Zhang et al. (2010)	Q	113, 117
2,4-dichloronitrobenzene	8.4×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_6H_3Cl_2NO_2$	1.6×10^{-1}		Zhang et al. (2010)	Q	113, 115
[611-06-3]	8.4×10^{-1}		Zhang et al. (2010)	Q	113, 116
	2.9×10^{-1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,5-dichloronitrobenzene	8.4×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_6H_3Cl_2NO_2$	2.0×10^{-1}		Zhang et al. (2010)	Q	113, 115
[618-62-2]	1.1×10^{-1}		Zhang et al. (2010)	Q	113, 116
	2.9×10^{-1}		Zhang et al. (2010)	Q	113, 117
pentachloronitrobenzene	2.7		Kawamoto and Urano (1989)	M	
$C_6Cl_5NO_2$	2.3×10^{-1}		Mackay et al. (2006d)	V	
(quintozene)	2.1×10^{-1}		Howard and Meylan (1997)	X	158
[82-68-8]	2.1		Zhang et al. (2010)	Q	113, 114
	2.3×10^{-2}		Zhang et al. (2010)	Q	113, 115
	2.2×10^{-2}		Zhang et al. (2010)	Q	113, 116
	2.2×10^{-1}		Zhang et al. (2010)	Q	113, 117
	6.9×10^{-2}		Hilal et al. (2008)	Q	
	2.1		Meylan and Howard (1991)	Q	
4-chloro-2-nitrophenol $C_6H_4ClNO_3$ [89-64-5]	7.8×10^{-1}		Schwarzenbach et al. (1988)	V	9
2-chloro-4-nitroaniline	1.0×10^{3}		Altschuh et al. (1999)	M	
$C_6H_5ClN_2O_2$	1.8×10^{3}		Zhang et al. (2010)	Q	113, 114
[121-87-9]	1.3×10^{3}		Zhang et al. (2010)	Q	113, 115
	6.7×10^{4}		Zhang et al. (2010)	Q	113, 116
	2.1×10^{3}		Zhang et al. (2010)	Q	113, 117
	4.6×10^{2}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-chloro-2,4-dinitrobenzene	1.6×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_6H_3ClN_2O_4$	6.0		Zhang et al. (2010)	Q	113, 115
[97-00-7]	5.3		Zhang et al. (2010)	Q	113, 116
	3.9×10^{1}		Zhang et al. (2010)	Q	113, 117
1-chloro-2,6-dinitrobenzene	1.6×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_6H_3ClN_2O_4$	4.3		Zhang et al. (2010)	Q	113, 115
[606-21-3]	7.2		Zhang et al. (2010)	Q	113, 116
	3.9×10^{1}		Zhang et al. (2010)	Q	113, 117
2,3,4-trichloronitrobenzene	1.1		Zhang et al. (2010)	Q	113, 114
$C_6H_2Cl_3NO_2$	1.3×10^{-1}		Zhang et al. (2010)	Q	113, 115
[17700-09-3]	2.0×10^{-1}		Zhang et al. (2010)	Q	113, 116
	4.0×10^{-1}		Zhang et al. (2010)	Q	113, 117
4-chloro-2-nitrobenzenamine	8.0×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_6H_5ClN_2O_2$	1.7×10^{2}		Zhang et al. (2010)	Q	113, 115
[89-63-4]	2.2×10^{3}		Zhang et al. (2010)	Q	113, 116
	2.9×10^{2}		Zhang et al. (2010)	Q	113, 117
4-chloro-3-nitrobenzenamine	1.8×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_6H_5ClN_2O_2$	1.1×10^{3}		Zhang et al. (2010)	Q	113, 115
[635-22-3]	2.4×10^{3}		Zhang et al. (2010)	Q	113, 116
	3.5×10^{3}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
botran	2.4×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_6H_4Cl_2N_2O_2$	6.9×10^{1}		Zhang et al. (2010)	Q	113, 115
[99-30-9]	1.7×10^{3}		Zhang et al. (2010)	Q	113, 116
	1.4×10^{3}		Zhang et al. (2010)	Q	113, 117
3,5-dichlorophenyl isocyanate	7.7×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_7H_3Cl_2NO$	2.8		Zhang et al. (2010)	Q	113, 115
[34893-92-0]	8.2×10^{-3}		Zhang et al. (2010)	Q	113, 116
	7.2×10^{-1}		Zhang et al. (2010)	Q	113, 117
4-chloro-3-nitrobenzoic acid	3.1×10^{4}		Zhang et al. (2010)	Q	113, 114
$C_7H_4ClNO_4$	2.1×10^{3}		Zhang et al. (2010)	Q	113, 115
[96-99-1]	1.6×10^{3}		Zhang et al. (2010)	Q	113, 116
	9.2×10^{4}		Zhang et al. (2010)	Q	113, 117
1-chloro-4-isocyanatobenzene	5.7×10^{-2}		Zhang et al. (2010)	Q	113, 114
C_7H_4ClNO	4.1		Zhang et al. (2010)	Q	113, 115
[104-12-1]	9.7×10^{-3}		Zhang et al. (2010)	Q	113, 116
	3.4		Zhang et al. (2010)	Q	113, 117
1,2-dichloro-4-isocyanatobenzene	7.7×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_7H_3Cl_2NO$	4.5		Zhang et al. (2010)	Q	113, 115
[102-36-3]	1.6×10^{-2}		Zhang et al. (2010)	Q	113, 116
	2.2		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-chloro-1-methyl-4-nitrobenzene	5.7×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_7H_6ClNO_2$	3.4×10^{-1}		Zhang et al. (2010)	Q	113, 115
[121-86-8]	3.7×10^{-1}		Zhang et al. (2010)	Q	113, 116
	2.5×10^{-1}		Zhang et al. (2010)	Q	113, 117
2,4-dichloro-3-methyl-6-nitrophenol	2.3		Zhang et al. (2010)	Q	113, 114
$C_7H_5Cl_2NO_3$	2.9		Zhang et al. (2010)	Q	113, 115
[39549-27-4]	9.5×10^{1}		Zhang et al. (2010)	Q	113, 116
	3.3×10^{-1}		Zhang et al. (2010)	Q	113, 117
4-chloro-5-methyl-2-nitrophenol $C_7H_6ClNO_3$ (4-chloro-6-nitro-*m*-cresol) [7147-89-9]	3.6×10^{-1}		Schwarzenbach et al. (1988)	V	9
3-amino-2,5-dichlorobenzoic acid $C_7H_5Cl_2NO_2$ [133-90-4]	3.6		Mackay et al. (2006d)	V	
methyl 5-chloro-2-nitrobenzoate	9.7×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_8H_6ClNO_4$	1.2×10^{2}		Zhang et al. (2010)	Q	113, 115
[51282-49-6]	3.7×10^{3}		Zhang et al. (2010)	Q	113, 116
	6.7×10^{1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-chloro-2,5-dimethoxynitrobenzene	1.8×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_8H_8ClNO_4$	1.6×10^{1}		Zhang et al. (2010)	Q	113, 115
[6940-53-0]	2.0×10^{2}		Zhang et al. (2010)	Q	113, 116
	3.9×10^{1}		Zhang et al. (2010)	Q	113, 117
monuron	1.5×10^{4}		Mackay et al. (2006d)	V	
$C_9H_{11}ClN_2O$	3.3×10^{2}		Suntio et al. (1988)	V	9
[150-68-5]	1.7×10^{4}		Burkhard and Guth (1981)	V	
monolinuron $C_9H_{11}ClN_2O_2$ [1746-81-2]	1.7×10^{2}		Mackay et al. (2006d)	V	
diuron			Mackay et al. (2006d)	V	226
$C_9H_{10}Cl_2N_2O$	8.3×10^{2}		Suntio et al. (1988)	V	9
[330-54-1]					
linuron			Mackay et al. (2006d)	V	226
$C_9H_{10}Cl_2N_2O_2$	1.9×10^{2}		Suntio et al. (1988)	V	9
[330-55-2]					
propanil	1.8×10^{2}		Mackay et al. (2006d)	V	
$C_9H_9Cl_2NO$	2.8×10^{2}		Suntio et al. (1988)	V	9
[709-98-8]	2.2×10^{3}		Zhang et al. (2010)	Q	113, 114
	8.0×10^{2}		Zhang et al. (2010)	Q	113, 115
	3.8×10^{3}		Zhang et al. (2010)	Q	113, 116
	8.4×10^{3}		Zhang et al. (2010)	Q	113, 117
methazole $C_9H_6Cl_2N_2O_3$ [20354-26-1]	4.8×10^{4}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
chlortoluron $C_{10}H_{13}ClN_2O$ [15545-48-9]	1.9×10^{4}		Mackay et al. (2006d)	V	
metoxuron $C_{10}H_{13}ClN_2O_2$ [19937-59-8]	6.9×10^{2}		Mackay et al. (2006d)	V	
chlorpropham	2.3×10^{1}		Watanabe (1993)	M	
$C_{10}H_{12}ClNO_2$			Mackay et al. (2006d)	V	226
[101-21-3]	4.8×10^{2}		Suntio et al. (1988)	V	9
pyrazon	2.3×10^{-1}		Mackay et al. (2006d)	V	
$C_{10}H_8ClN_3O$	2.3×10^{-1}		Suntio et al. (1988)	V	9
[1698-60-8]					
propachlor	9.1×10^{1}		Mackay et al. (2006d)	V	
$C_{11}H_{14}ClNO$	9.1×10^{1}		Suntio et al. (1988)	V	9
[1918-16-7]					
barban $C_{11}H_9Cl_2NO_2$ [101-27-9]	8.5×10^{2}		Mackay et al. (2006d)	V	
propyzamide $C_{12}H_{11}Cl_2NO$ (pronamide) [23950-58-5]			Mackay et al. (2006d)	?	278
2,4,6-trichlorophenyl 4-nitrophenyl ether $C_{12}H_6Cl_3NO_3$ (chlornitrofen) [1836-77-7]			Kawamoto and Urano (1989)	M	279

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
nitrofen	3.9×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_7Cl_2NO_3$	2.8×10^{1}		Zhang et al. (2010)	Q	113, 115
[1836-75-5]	1.2×10^{2}		Zhang et al. (2010)	Q	113, 116
	1.1×10^{2}		Zhang et al. (2010)	Q	113, 117
triclocarban	2.2×10^{5}		Zhang et al. (2010)	Q	113, 114
$C_{13}H_9Cl_3N_2O$	5.0×10^{3}		Zhang et al. (2010)	Q	113, 115
[101-20-2]	7.2×10^{7}		Zhang et al. (2010)	Q	113, 116
	1.8×10^{7}		Zhang et al. (2010)	Q	113, 117
3,5-dichloro-N-(3,4-dichlorophenyl)-2-hydroxybenzamide	2.1×10^{5}		Zhang et al. (2010)	Q	113, 114
$C_{13}H_7Cl_4NO_2$	2.3×10^{5}		Zhang et al. (2010)	Q	113, 115
[1154-59-2]	3.9×10^{6}		Zhang et al. (2010)	Q	113, 116
	1.6×10^{5}		Zhang et al. (2010)	Q	113, 117
procymidone $C_{13}H_{11}Cl_2NO_2$ [32809-16-8]	8.5×10^{-1}		Mackay et al. (2006d)	V	
alachlor	6.7×10^{2}		Muir et al. (2004)	L	144
$C_{14}H_{20}ClNO_2$	9.9×10^{2}		Muir et al. (2004)	L	143
[15972-60-8]	1.4×10^{2}	9200	Gautier et al. (2003)	M	
	9.0×10^{2}		Fendinger et al. (1989)	M	129
	1.2×10^{3}		Fendinger and Glotfelty (1988)	M	129
	4.5×10^{2}		Mackay et al. (2006d)	V	
	1.6×10^{2}		Suntio et al. (1988)	V	9
	3.1×10^{2}		Glotfelty et al. (1987)	V	
	3.1×10^{3}		Hilal et al. (2008)	Q	
		11000	Kühne et al. (2005)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	8.2×10^{4}		Meylan and Howard (1991)	Q	
		9300	Kühne et al. (2005)	?	
bifenox $C_{14}H_9Cl_2NO_3$ [42576-02-3]	3.2		Mackay et al. (2006d)	V	
metolachlor	7.5×10^{2}		Muir et al. (2004)	L	144
$C_{15}H_{22}ClNO_2$	7.2×10^{2}		Muir et al. (2004)	L	143
[51218-45-2]	6.2×10^{2}	15000	Fogg and Sangster (2003)	L	
	2.1×10^{2}	10000	Feigenbrugel et al. (2004a)	M	
	1.3×10^{2}		Rice et al. (1997b)	M	9
	4.3×10^{2}		Mackay et al. (2006d)	V	
	4.1×10^{2}		Otto et al. (1997)	V	
	1.1×10^{3}		Glotfelty et al. (1987)	V	
	1.1×10^{3}		Burkhard and Guth (1981)	V	
	5.7×10^{2}	15000	Lau et al. (1995)	X	3
	1.2×10^{3}		Rice et al. (1997b)	C	
	6.2×10^{3}		Hilal et al. (2008)	Q	
		12000	Kühne et al. (2005)	Q	
		10000	Kühne et al. (2005)	?	
darendoside b	2.7×10^{7}		Zhang et al. (2010)	Q	113, 114
$C_{17}H_{15}Cl_2N_5O_2$	5.0×10^{6}		Zhang et al. (2010)	Q	113, 115
[13301-61-6]	2.5×10^{7}		Zhang et al. (2010)	Q	113, 116
	7.3×10^{4}		Zhang et al. (2010)	Q	113, 117
butachlor	1.6×10^{2}		Watanabe (1993)	M	
$C_{17}H_{26}ClNO_2$	1.2×10^{2}		Mackay et al. (2006d)	V	
[23184-66-9]	6.9×10^{2}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
pretilachlor $C_{17}H_{26}ClNO_2$ [51218-49-6]	4.5×10^{3}		Hilal et al. (2008)	Q	
α-cypermethrin $C_{22}H_{19}Cl_2NO_3$ [67375-30-8]	1.0×10^{2}		Mackay et al. (2006d)	V	
β-cypermethrin $C_{22}H_{19}Cl_2NO_3$ [65731-84-2]			Mackay et al. (2006d)	V	226
δ-cypermethrin	4.3×10^{2}		Mackay et al. (2006d)	V	
$C_{22}H_{19}Cl_2NO_3$ (cypermethrin; alphamethrin) [52315-07-8]	1.2×10^{1}		Siebers and Mattusch (1996)	V	9
fenvalerate	4.7×10^{1}		Mackay et al. (2006d)	V	
$C_{25}H_{22}ClNO_3$ [51630-58-1]	7.0×10^{1}		Cotham and Bidleman (1989)	V	
picloram	3.0×10^{4}		Mackay et al. (2006d)	V	
$C_6H_3Cl_3N_2O_2$	2.9×10^{4}		Suntio et al. (1988)	V	9
[1918-02-1]	7.7×10^{6}		Zhang et al. (2010)	Q	113, 114
	2.5		Zhang et al. (2010)	Q	113, 115
	9.0×10^{4}		Zhang et al. (2010)	Q	113, 116
	1.6×10^{8}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,4,5,6-tetrachloropyridine-2-carboxylic acid	3.7×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_6HCl_4NO_2$	2.4		Zhang et al. (2010)	Q	113, 115
[10469-09-7]	1.2×10^{2}		Zhang et al. (2010)	Q	113, 116
	4.1×10^{4}		Zhang et al. (2010)	Q	113, 117
acetic acid, [(3,5,6-trichloro-2-pyridinyl)oxy]-, methyl ester	6.0		Zhang et al. (2010)	Q	113, 114
$C_8H_6Cl_3NO_3$	3.1×10^{1}		Zhang et al. (2010)	Q	113, 115
[60825-26-5]	4.6×10^{3}		Zhang et al. (2010)	Q	113, 116
	3.5×10^{2}		Zhang et al. (2010)	Q	113, 117
ethyl [(3,5,6-trichloro-2-pyridinyl)oxy]acetate	4.5		Zhang et al. (2010)	Q	113, 114
$C_9H_8Cl_3NO_3$	1.7×10^{1}		Zhang et al. (2010)	Q	113, 115
[60825-27-6]	2.3×10^{1}		Zhang et al. (2010)	Q	113, 116
	3.1×10^{2}		Zhang et al. (2010)	Q	113, 117
N-methyl-3,4,5,6-tetrachlorophthalimide	1.5×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_9H_3Cl_4NO_2$	1.2×10^{3}		Zhang et al. (2010)	Q	113, 115
[14737-80-5]	4.1×10^{1}		Zhang et al. (2010)	Q	113, 116
	3.1×10^{3}		Zhang et al. (2010)	Q	113, 117
terbacil	6.5×10^{4}		Mackay et al. (2006d)	V	
$C_9H_{13}ClN_2O_2$	7.9×10^{4}		Mackay et al. (2006d)	V	
[5902-51-2]	5.6×10^{4}		Suntio et al. (1988)	V	9

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
triforine $C_{10}H_{14}Cl_6N_4O_2$ [26644-46-2]	2.6×10^{3}		Mackay et al. (2006d)	V	
vinclozoline $C_{12}H_9Cl_2NO_3$ [50471-44-8]	2.6×10^{5} 9.1×10^{1}		Mackay et al. (2006d) Siebers et al. (1994)	V V	
triadimenol $C_{14}H_{18}ClN_3O_2$ [55219-65-3]	3.8×10^{6}		Mackay et al. (2006d)	V	
triadimefon $C_{14}H_{16}ClN_3O_2$ [43121-43-3]	1.2×10^{5}		Mackay et al. (2006d)	V	
imazalil $C_{14}H_{14}Cl_2N_2O$ [35554-44-0]	5.1×10^{5}		Mackay et al. (2006d)	V	
propiconazole $C_{15}H_{17}Cl_2N_3O_2$ [60207-90-1]	5.7×10^{3} 2.5×10^{3}		Mackay et al. (2006d) Siebers et al. (1994)	V V	
fenarimol $C_{17}H_{12}Cl_2N_2O$ [60168-88-9]	1.4×10^{3}		Mackay et al. (2006d)	V	
8,9,10,11-tetrachloro-12-phthaloperinone $C_{18}H_6Cl_4N_2O$ [20749-68-2]	4.8×10^{5} 7.5×10^{9} 5.7×10^{3} 1.9×10^{5}		Zhang et al. (2010) Zhang et al. (2010) Zhang et al. (2010) Zhang et al. (2010)	Q Q Q Q	113, 114 113, 115 113, 116 113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
pigment red 254 $C_{18}H_{10}Cl_2N_2O_2$ [84632-65-5]	3.4×10^{9} 3.9×10^{6} 1.9×10^{13} 2.2×10^{12}		Zhang et al. (2010) Zhang et al. (2010) Zhang et al. (2010) Zhang et al. (2010)	Q Q Q Q	113, 114 113, 115 113, 116 113, 117
ponsol red violet 2rnx $C_{21}H_8Cl_3NO_3$ [6373-31-5]	2.4×10^{10} 4.1×10^{7} 9.9×10^{8} 4.6×10^{9}		Zhang et al. (2010) Zhang et al. (2010) Zhang et al. (2010) Zhang et al. (2010)	Q Q Q Q	113, 114 113, 115 113, 116 113, 117
ag-g-86814 $C_{26}H_6Cl_8N_2O_4$ [30125-47-4]	1.8×10^{14} 9.7×10^{12} 1.1×10^{11} 4.1×10^{14}		Zhang et al. (2010) Zhang et al. (2010) Zhang et al. (2010) Zhang et al. (2010)	Q Q Q Q	113, 114 113, 115 113, 116 113, 117
8,18-dichloro-5,15-diethyl-5,15-dihydrodiindolo(3,2-b:3',2'-m)triphenodioxazine $C_{34}H_{22}Cl_2N_4O_2$ [6358-30-1]	8.0×10^{6} 1.8×10^{12} 6.2×10^{6} 1.0×10^{10}		Zhang et al. (2010) Zhang et al. (2010) Zhang et al. (2010) Zhang et al. (2010)	Q Q Q Q	113, 114 113, 115 113, 116 113, 117

Chlorofluorocarbons (C, H, O, N, F, Cl)

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
chlorofluoromethane	1.5×10^{-3}	2600	Wilhelm et al. (1977)	L	
CH_2FCl	1.5×10^{-3}	2300	Boggs and Buck Jr. (1958)	M	
(R31)	1.5×10^{-3}		Hine and Mookerjee (1975)	V	
[593-70-4]	3.4×10^{-3}		Hilal et al. (2008)	Q	
		2600	Kühne et al. (2005)	Q	
	6.1×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	1.8×10^{-3}		Irmann (1965)	Q	
		2500	Kühne et al. (2005)	?	
	1.6×10^{-3}		Yaws (1999)	?	
	1.5×10^{-3}		Yaws and Yang (1992)	?	98
chlorodifluoromethane	3.4×10^{-4}	3400	Sander et al. (2011)	L	
CHF_2Cl	3.4×10^{-4}	3400	Wilhelm et al. (1977)	L	
(R22)	3.6×10^{-4}	2700	Zheng et al. (1997)	M	
[75-45-6]	3.5×10^{-4}	3100	Maaßen (1995)	M	
	3.5×10^{-4}	3000	Reichl (1995)	M	
	2.1×10^{-4}	4400	Chang and Criddle (1995)	M	
	3.5×10^{-4}	2600	Boggs and Buck Jr. (1958)	M	
	3.3×10^{-4}		Mackay et al. (2006b)	V	
	3.3×10^{-4}		Mackay et al. (1993)	V	
	3.4×10^{-4}	2800	McLinden (1989)	V	280
	3.4×10^{-4}		Hine and Mookerjee (1975)	V	
	3.2×10^{-4}		Irmann (1965)	V	
			Kanakidou et al. (1995)	C	281
	6.0×10^{-4}		Hilal et al. (2008)	Q	
		2600	Kühne et al. (2005)	Q	
	4.0×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	3.5×10^{-4}		Irmann (1965)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
		3000	Kühne et al. (2005)	?	
	3.3×10^{-4}		Yaws (1999)	?	
	3.3×10^{-4}		Yaws and Yang (1992)	?	98
dichlorofluoromethane	1.8×10^{-3}		Mackay et al. (1993)	V	
$CHFCl_2$	1.6×10^{-3}		Hilal et al. (2008)	Q	
(R21)	1.9×10^{-3}		Yaws (1999)	?	
[75-43-4]	3.8×10^{-5}		Mackay et al. (1993)	?	
	1.9×10^{-3}		Yaws and Yang (1992)	?	98
chlorotrifluoromethane	9.9×10^{-6}	1700	Sander et al. (2011)	L	282
CF_3Cl	9.3×10^{-6}	1600	Wilhelm et al. (1977)	L	
(R13)	8.6×10^{-6}	2200	Reichl (1995)	M	
[75-72-9]	9.2×10^{-6}	1900	Scharlin and Battino (1994)	M	
	7.8×10^{-6}		Park et al. (1982)	M	
	1.5×10^{-4}		Mackay et al. (1993)	V	
	5.7×10^{-6}		Hine and Mookerjee (1975)	V	
	7.2×10^{-6}		Hilal et al. (2008)	C	
	5.7×10^{-6}		Irmann (1965)	C	
	2.6×10^{-5}		Hilal et al. (2008)	Q	
		2600	Kühne et al. (2005)	Q	
	1.4×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
	5.1×10^{-6}		Irmann (1965)	Q	
		2000	Kühne et al. (2005)	?	
	8.8×10^{-6}		Yaws (1999)	?	
	8.7×10^{-6}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
dichlorodifluoromethane	3.0×10^{-5}	3400	Warneck and Williams (2012)	L	
CF_2Cl_2	3.0×10^{-5}	3500	Sander et al. (2011)	L	
(R12)	3.0×10^{-5}	3500	Sander et al. (2006)	L	
[75-71-8]	3.1×10^{-5}	3500	Staudinger and Roberts (2001)	L	
	2.1×10^{-5}	1800	Wilhelm et al. (1977)	L	
	1.3×10^{-4}	5500	Hiatt (2013)	M	
	3.0×10^{-5}	3000	Reichl (1995)	M	
	2.9×10^{-5}	2700	Scharlin and Battino (1994)	M	
	3.1×10^{-5}	3500	Munz and Roberts (1987)	M	
	2.9×10^{-5}	3200	Warner and Weiss (1985)	M	
	2.3×10^{-5}	3400	Wisegarver and Cline (1985)	M	130
	2.9×10^{-5}		Park et al. (1982)	M	
	2.5×10^{-5}		Pearson and McConnell (1975)	M	249, 9
	2.4×10^{-5}		Mackay et al. (2006b)	V	
	2.4×10^{-5}		Mackay et al. (1993)	V	
	2.3×10^{-5}		Mackay and Shiu (1981)	V	
	2.3×10^{-5}		Hine and Mookerjee (1975)	V	
	3.5×10^{-6}	-210	Goldstein (1982)	X	122
	3.6×10^{-5}		Hilal et al. (2008)	C	
	6.4×10^{-6}		Ryan et al. (1988)	C	
	2.3×10^{-5}		Irmann (1965)	C	
	5.4×10^{-5}		Hilal et al. (2008)	Q	
		3000	Kühne et al. (2005)	Q	
	4.7×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
	2.0×10^{-5}		Irmann (1965)	Q	
		3400	Kühne et al. (2005)	?	
	2.5×10^{-5}		Yaws (1999)	?	
	2.5×10^{-5}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
trichlorofluoromethane	1.1×10^{-4}	3400	Warneck and Williams (2012)	L	
$CFCl_3$	1.1×10^{-4}	3300	Sander et al. (2011)	L	
(R11)	1.1×10^{-4}	3300	Sander et al. (2006)	L	
[75-69-4]	1.1×10^{-4}	3300	Staudinger and Roberts (2001)	L	
	1.0×10^{-4}	3100	Staudinger and Roberts (1996)	L	
	2.8×10^{-4}	5100	Hiatt (2013)	M	
	1.0×10^{-4}	3700	Maaßen (1995)	M	
	1.4×10^{-4}	3800	Reichl (1995)	M	
	9.9×10^{-5}	3500	Ashworth et al. (1988)	M	109
	1.0×10^{-4}	3600	Warner and Weiss (1985)	M	
	7.8×10^{-5}	3900	Wisegarver and Cline (1985)	M	130
	1.1×10^{-4}	2700	Hunter-Smith et al. (1983)	M	253
	1.1×10^{-4}		Park et al. (1982)	M	
	1.7×10^{-4}		Warner et al. (1980)	M	
	1.1×10^{-4}	2100	Balls (1980)	M	
	1.2×10^{-5}		Pearson and McConnell (1975)	M	249, 9
	7.8×10^{-5}		Mackay et al. (2006b)	V	
	9.9×10^{-5}	6100	Fogg and Sangster (2003)	V	
	7.8×10^{-5}		Mackay et al. (1993)	V	
	9.0×10^{-5}		Yoshida et al. (1983)	V	
	9.0×10^{-5}		Mackay and Shiu (1981)	V	
	9.5×10^{-5}		Warner et al. (1980)	V	
	9.8×10^{-5}		Irmann (1965)	V	
	1.7×10^{-4}	730	Goldstein (1982)	X	122
	1.0×10^{-4}		Hilal et al. (2008)	C	
	1.7×10^{-4}		Ryan et al. (1988)	C	
	8.1×10^{-5}		Liss and Slater (1974)	C	
	1.7×10^{-4}		Hilal et al. (2008)	Q	
		3300	Kühne et al. (2005)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	8.6×10^{-5}		Irmann (1965)	Q	
	9.8×10^{-5}		Mackay et al. (2006b)	?	
		3800	Kühne et al. (2005)	?	
	8.1×10^{-5}		Yaws (1999)	?	
	9.8×10^{-5}		Mackay et al. (1993)	?	
	8.1×10^{-5}		Yaws and Yang (1992)	?	98
1,1,1,2-tetrachlorodifluoroethane $C_2Cl_4F_2$ [76-11-9]	5.1×10^{-4}		Hilal et al. (2008)	Q	
1,1,2,2-tetrachlorodifluoroethane	1.0×10^{-4}		Hine and Mookerjee (1975)	V	
$C_2F_2Cl_4$ (R112) [76-12-0]	5.1×10^{-4}		Hilal et al. (2008)	Q	
1,1,1-trichloro-2,2,2-trifluoroethane	3.7×10^{-5}		Zhang et al. (2010)	Q	113, 114
$C_2F_3Cl_3$	2.1×10^{-4}		Zhang et al. (2010)	Q	113, 115
(R113a)	5.8×10^{-5}		Zhang et al. (2010)	Q	113, 116
[354-58-5]	3.0×10^{-5}		Zhang et al. (2010)	Q	113, 117
1,1,2-trichloro-1,2,2-trifluoroethane	2.0×10^{-4}	5700	Hiatt (2013)	M	
$C_2F_3Cl_3$	2.9×10^{-5}	4300	Dewulf et al. (1999)	M	
(R113)	3.1×10^{-5}	4300	Bu and Warner (1995)	M	
[76-13-1]	2.8×10^{-5}	6500	Reichl (1995)	M	
	3.4×10^{-5}	3200	Ashworth et al. (1988)	M	109
			Mackay et al. (2006b)	V	258
	8.8×10^{-6}		Mackay et al. (1993)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.0×10^{-5}		Hine and Mookerjee (1975)	V	
	1.8×10^{-4}		Hilal et al. (2008)	Q	
		3700	Kühne et al. (2005)	Q	
	3.1×10^{-5}		Mackay et al. (2006b)	?	
		3800	Kühne et al. (2005)	?	
	3.1×10^{-5}		Mackay et al. (1993)	?	
	2.0×10^{-5}		Yaws and Yang (1992)	?	98
	2.0×10^{-5}		Abraham et al. (1990)	?	
1,1-dichlorotetrafluoroethane	5.8×10^{-6}		Hine and Mookerjee (1975)	V	
$C_2F_4Cl_2$	7.5×10^{-6}		Hilal et al. (2008)	C	
(R114a)	5.8×10^{-6}		Irmann (1965)	C	119
[374-07-2]	8.8×10^{-5}		Hilal et al. (2008)	Q	
	6.6×10^{-6}		Irmann (1965)	Q	
1,2-dichlorotetrafluoroethane	9.0×10^{-6}	2800	Reichl (1995)	M	
$C_2F_4Cl_2$	7.9×10^{-6}		Mackay et al. (1993)	V	
(R114)	8.0×10^{-6}		Hine and Mookerjee (1975)	V	
[76-14-2]	8.1×10^{-6}		Irmann (1965)	C	9
	8.4×10^{-5}		Hilal et al. (2008)	Q	
		3300	Kühne et al. (2005)	Q	
	6.6×10^{-6}		Irmann (1965)	Q	
		2700	Kühne et al. (2005)	?	
	8.1×10^{-6}		Yaws and Yang (1992)	?	98

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
chloropentafluoroethane	3.4×10^{-6}	2800	Wilhelm et al. (1977)	L	
C_2F_5Cl	3.1×10^{-6}	2100	Reichl (1995)	M	
(R115)	3.8×10^{-6}		Mackay et al. (1993)	V	
[76-15-3]	3.7×10^{-6}		Meylan and Howard (1991)	V	
	3.2×10^{-6}		Hine and Mookerjee (1975)	V	
	3.2×10^{-6}		Irmann (1965)	C	
	3.4×10^{-5}		Hilal et al. (2008)	Q	
		2900	Kühne et al. (2005)	Q	
	1.2×10^{-6}		Meylan and Howard (1991)	Q	
	2.1×10^{-6}		Irmann (1965)	Q	
		2000	Kühne et al. (2005)	?	
	3.8×10^{-6}		Yaws and Yang (1992)	?	98
2,2-dichloro-1,1,1-trifluoroethane	2.3×10^{-4}	2400	Kutsuna (2013)	M	
$C_2HF_3Cl_2$	3.3×10^{-4}	3400	Chang and Criddle (1995)	M	
(R123)	2.8×10^{-4}	2600	McLinden (1989)	V	
[306-83-2]	5.0×10^{-4}		Hilal et al. (2008)	Q	
1-chloro-1,2,2,2-tetrafluoroethane	1.1×10^{-4}	2800	Kutsuna (2013)	M	
C_2HF_4Cl	1.0×10^{-4}	3500	Maaßen (1995)	M	
(R124)	1.1×10^{-4}	3400	Reichl (1995)	M	
[2837-89-0]	1.0×10^{-4}	3200	McLinden (1989)	V	
		2900	Kühne et al. (2005)	Q	
		3400	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-chloro-1,1,1-trifluoroethane	3.7×10^{-4}	3600	Maaßen (1995)	M	
$C_2H_2F_3Cl$	4.1×10^{-4}	3500	Reichl (1995)	M	
(R133a)	3.7×10^{-4}		Hine and Mookerjee (1975)	V	
[75-88-7]	3.7×10^{-4}		Irmann (1965)	C	
	3.0×10^{-4}		Hilal et al. (2008)	Q	
	3.9×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	2.9×10^{-4}		Irmann (1965)	Q	
1,1-dichloro-1-fluoroethane	2.9×10^{-4}	2800	Kutsuna (2013)	M	
CH_3CFCl_2	2.9×10^{-4}	3700	Maaßen (1995)	M	
(R141b)	7.7×10^{-5}	5200	McLinden (1989)	V	
[1717-00-6]		3300	Kühne et al. (2005)	Q	
		3700	Kühne et al. (2005)	?	
1-chloro-1,1-difluoroethane	1.5×10^{-4}	2600	Kutsuna (2013)	M	
CH_3CF_2Cl	1.4×10^{-4}	3200	Maaßen (1995)	M	
(R142b)	1.4×10^{-4}	3200	Reichl (1995)	M	
[75-68-3]	1.5×10^{-4}	3000	Chang and Criddle (1995)	M	
	1.4×10^{-4}	2500	McLinden (1989)	V	
	1.9×10^{-4}		Irmann (1965)	C	119
	1.5×10^{-4}		Irmann (1965)	Q	
1-chloro-1,2-difluoroethane		2900	Kühne et al. (2005)	Q	
$C_2H_3ClF_2$ [338-64-7]		3200	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-chloro-1,1,2-trifluoroethane		2900	Kühne et al. (2005)	Q	
$C_2H_2F_3Cl$ (R133b) [421-04-5]		3500	Kühne et al. (2005)	?	
2-chloro-1,1-difluoroethene	1.7×10^{-4}	3300	Maaßen (1995)	M	
C_2HClF_2 (R1122) [359-10-4]	1.7×10^{-4}	3300	Reichl (1995)	M	
		2800	Kühne et al. (2005)	Q	
		3300	Kühne et al. (2005)	?	
3,3-dichloro-1,1,1,2,2-pentafluoropropane	9.8×10^{-5}	3500	Kutsuna (2013)	M	
$CF_3CF_2CHCl_2$ (R225ca) [422-56-0]	2.0×10^{-5}		Zhang et al. (2010)	Q	113, 114
	3.0×10^{-4}		Zhang et al. (2010)	Q	113, 115
	1.1×10^{-4}		Zhang et al. (2010)	Q	113, 116
	3.9×10^{-5}		Zhang et al. (2010)	Q	113, 117
1,3-dichloro-1,1,2,2,3-pentafluoro-propane $CClF_2CF_2CHClF$ (R225cb) [507-55-1]	1.1×10^{-4}	3100	Kutsuna (2013)	M	
1-chloro-3-(trifluoromethyl)benzene	2.9×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_7H_4ClF_3$ [98-15-7]	2.8×10^{-3}		Zhang et al. (2010)	Q	113, 115
	1.4×10^{-3}		Zhang et al. (2010)	Q	113, 116
	1.4×10^{-4}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-chloro-4-(trifluoromethyl)benzene	2.9×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_7H_4ClF_3$ [98-56-6]	3.1×10^{-3}		Zhang et al. (2010)	Q	113, 115
	1.5×10^{-3}		Zhang et al. (2010)	Q	113, 116
	1.4×10^{-4}		Zhang et al. (2010)	Q	113, 117
3-chloro-4-fluorobenzotrifluoride	2.4×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_7H_3ClF_4$ [78068-85-6]	2.5×10^{-3}		Zhang et al. (2010)	Q	113, 115
	8.6×10^{-4}		Zhang et al. (2010)	Q	113, 116
	1.1×10^{-4}		Zhang et al. (2010)	Q	113, 117
3,4-dichlorobenzotrifluoride	3.9×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_7H_3Cl_2F_3$ [328-84-7]	5.3×10^{-3}		Zhang et al. (2010)	Q	113, 115
	2.0×10^{-3}		Zhang et al. (2010)	Q	113, 116
	2.3×10^{-4}		Zhang et al. (2010)	Q	113, 117
chlorodifluoroethanoic acid	2.5×10^{2}	10000	Sander et al. (2011)	L	
$CF_2ClCOOH$ (chlorodifluoroacetic acid) [76-04-0]	2.4×10^{2}	10000	Bowden et al. (1998a)	M	
carbonic chloride fluoride COFCl [353-49-1]	9.9×10^{-2}		George et al. (1993)	X	239

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
trifluoroacetylchloride	2.0×10^{-2}		Mirabel et al. (1996)	M	
CF_3COCl	2.7×10^{-3}		De Bruyn et al. (1995a)	M	185
[354-32-5]	2.0×10^{-2}		George et al. (1994b)	M	240
2,2-dichloro-1,1-difluoro-1-methoxyethane	2.9×10^{-3}	4100	Fogg and Sangster (2003)	L	
$C_3H_4Cl_2F_2O$	1.7×10^{-3}		Steward et al. (1973)	L	20
(methoxyflurane)	1.7×10^{-3}		Lerman et al. (1983)	M	20
[76-38-0]	2.8×10^{-3}	3300	Smith et al. (1981b)	M	
	1.8×10^{-3}		Stoelting and Longshore (1972)	M	20
	4.1×10^{-3}		Hilal et al. (2008)	Q	
		4800	Kühne et al. (2005)	Q	
		4000	Kühne et al. (2005)	?	
	2.7×10^{-3}		Abraham et al. (1990)	?	
1-chloro-2,2,2-trifluoroethyl difluoromethyl ether	2.4×10^{-4}		Fogg and Sangster (2003)	L	
$C_3H_2ClF_5O$	2.4×10^{-4}		Steward et al. (1973)	L	20
(forane; isoflurane)	2.4×10^{-4}		Lerman et al. (1983)	M	20
[26675-46-7]	4.8×10^{-4}	5300	Smith et al. (1981b)	M	
	4.2×10^{-4}		Hilal et al. (2008)	Q	
		4400	Kühne et al. (2005)	Q	
		4500	Kühne et al. (2005)	?	
	3.4×10^{-4}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-chloro-1,1,2-trifluoroethyl difluoromethyl ether	3.0×10^{-4}		Fogg and Sangster (2003)	L	
$C_3H_2ClF_5O$	2.7×10^{-4}		Guitart et al. (1989)	M	20
(enflurane)	2.9×10^{-4}		Lerman et al. (1983)	M	20
[13838-16-9]	3.0×10^{-4}		Steward et al. (1973)	C	20
	6.9×10^{-4}		Hilal et al. (2008)	Q	
3-[2-chloro-4-(trifluoromethyl)phenoxy]benzoic acid	6.4×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_8ClF_3O_3$	3.3×10^{2}		Zhang et al. (2010)	Q	113, 115
[63734-62-3]	2.1×10^{5}		Zhang et al. (2010)	Q	113, 116
	2.9×10^{3}		Zhang et al. (2010)	Q	113, 117
3-(2-chloro-4-(trifluoromethyl)phenoxy)phenyl acetate	1.1		Zhang et al. (2010)	Q	113, 114
$C_{15}H_{10}ClF_3O_3$	2.4×10^{1}		Zhang et al. (2010)	Q	113, 115
[50594-77-9]	2.9×10^{1}		Zhang et al. (2010)	Q	113, 116
	3.6		Zhang et al. (2010)	Q	113, 117
EINECS 273-236-7	1.5×10^{14}		Zhang et al. (2010)	Q	113, 114
$C_{28}H_{33}Cl_3F_6O_{11}$	6.9×10^{18}		Zhang et al. (2010)	Q	113, 115
[68954-01-8]	2.3×10^{12}		Zhang et al. (2010)	Q	113, 116
	1.6×10^{15}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,5-dichloro-2,4,6-trifluoropyridine	1.6		Zhang et al. (2010)	Q	113, 114
$C_5Cl_2F_3N$	7.7×10^{-4}		Zhang et al. (2010)	Q	113, 115
[1737-93-5]	1.6×10^{-3}		Zhang et al. (2010)	Q	113, 116
	2.7×10^{-2}		Zhang et al. (2010)	Q	113, 117
chlorodifluoronitrooxy-methane $CClF_2OONO_2$ [70490-95-8]	2.9×10^{-2}	5900	Kanakidou et al. (1995)	E	283
1-chloro-2-nitro-4-(trifluoromethyl)-benzene	7.2×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_7H_3ClF_3NO_2$	1.2×10^{-1}		Zhang et al. (2010)	Q	113, 115
[121-17-5]	1.1×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.0×10^{-2}		Zhang et al. (2010)	Q	113, 117
2-chloro-1,3-dinitro-5-(trifluoromethyl)-benzene	1.8×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_7H_2ClF_3N_2O_4$	2.8		Zhang et al. (2010)	Q	113, 115
[393-75-9]	1.7×10^{-1}		Zhang et al. (2010)	Q	113, 116
	9.0×10^{-1}		Zhang et al. (2010)	Q	113, 117
fluchloralin $C_{12}H_{13}ClF_3N_3O_4$ [33245-39-5]	7.4×10^{-1}		Mackay et al. (2006d)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
5-(2-chloro-4-(trifluoromethyl)phenoxy)-2-nitrophenol	9.9		Zhang et al. (2010)	Q	113, 114
$C_{13}H_7ClF_3NO_4$	1.1×10^{3}		Zhang et al. (2010)	Q	113, 115
[42874-63-5]	2.3×10^{6}		Zhang et al. (2010)	Q	113, 116
	2.3×10^{1}		Zhang et al. (2010)	Q	113, 117
difluron $C_{14}H_9ClF_2N_2O_2$ [35367-38-5]	2.1×10^{3}		Mackay et al. (2006d)	V	
5-(2-chloro-4-(trifluoromethyl)phenoxy)-2-nitrophenyl acetate	2.7×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_{15}H_9ClF_3NO_5$	1.5×10^{3}		Zhang et al. (2010)	Q	113, 115
[50594-44-0]	3.7×10^{4}		Zhang et al. (2010)	Q	113, 116
	3.1×10^{2}		Zhang et al. (2010)	Q	113, 117
triflumizole $C_{15}H_{15}ClF_3N_3O$ [99387-89-0]	2.5×10^{7}		Mackay et al. (2006d)	V	
3-(2,4-dichlorophenyl)-6-fluoro-2-(1H-1,2,4-triazol-1-yl)-quinazolin-4(3H)-one $C_{16}H_8Cl_2FN_5O$ (fluquinconazole) [136426-54-5]	5.6×10^{8}		Hilal et al. (2008)	Q	
chlorfluzuron $C_{20}H_9Cl_3F_5N_3O_3$ [71422-67-8]	3.9×10^{8}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
bifenthrin	9.9		Hilal et al. (2008)	C	
$C_{23}H_{22}ClF_3O_2$	4.7		Hilal et al. (2008)	Q	
[82657-04-3]					

Organic species with bromine (Br)

Bromocarbons (C, H, O, N, Br)

bromomethane	1.7×10^{-3}	3100	Sander et al. (2011)	L	
CH_3Br	1.7×10^{-3}	3100	Sander et al. (2006)	L	
(methyl bromide)	1.7×10^{-3}	3100	Staudinger and Roberts (2001)	L	
[74-83-9]	1.6×10^{-3}	3100	Wilhelm et al. (1977)	L	
	1.3×10^{-3}	2800	Hiatt (2013)	M	
	1.4×10^{-3}		Gan and Yates (1996)	M	119
	1.7×10^{-3}	3400	Elliott and Rowland (1993)	M	
	1.5×10^{-3}	2600	Swain and Thornton (1962)	M	
	1.6×10^{-3}	3200	Glew and Moelwyn-Hughes (1953)	M	
	1.6×10^{-3}		Mackay et al. (2006b)	V	
	1.6×10^{-3}		Lide and Frederikse (1995)	V	
	1.6×10^{-3}		Mackay et al. (1993)	V	
	1.9×10^{-3}		Mackay and Shiu (1981)	V	9
	1.5×10^{-3}		Hine and Mookerjee (1975)	V	
	4.4×10^{-5}	350	Goldstein (1982)	X	122
		3400	Kühne et al. (2005)	Q	
	3.1×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	7.9×10^{-4}		Irmann (1965)	Q	
		3200	Kühne et al. (2005)	?	
	1.5×10^{-3}		Yaws (1999)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.7×10^{-3}		Yates and Gan (1998)	?	
	1.4×10^{-3}		Yaws and Yang (1992)	?	98
	1.6×10^{-3}		Abraham et al. (1990)	?	
dibromomethane	3.1×10^{-2}		Mackay and Shiu (1981)	L	
CH_2Br_2	1.2×10^{-2}	5000	Hiatt (2013)	M	
[74-95-3]	1.4×10^{-2}		Dohnal and Hovorka (1999)	M	9
	1.5×10^{-2}		Hovorka and Dohnal (1997)	M	9
	1.2×10^{-2}	4900	Kondoh and Nakajima (1997)	M	
	9.2×10^{-3}	4700	Moore et al. (1995)	M	130
	1.1×10^{-2}	3900	Wright et al. (1992)	M	
	1.1×10^{-2}	4100	Tse et al. (1992)	M	
	1.1×10^{-2}	4400	Rex (1906)	M	
	1.1×10^{-2}		Mackay et al. (2006b)	V	
	1.3×10^{-2}	4200	Fogg and Sangster (2003)	V	
	7.1×10^{-3}		Mackay et al. (1993)	V	
	1.1×10^{-2}		Hine and Mookerjee (1975)	V	
	3.8×10^{-2}		Hilal et al. (2008)	Q	
		4500	Kühne et al. (2005)	Q	
	9.5×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	1.2×10^{-2}		Mackay et al. (2006b)	?	
		4300	Kühne et al. (2005)	?	
	1.1×10^{-2}		Yaws (1999)	?	
	1.2×10^{-2}		Mackay et al. (1993)	?	
	1.1×10^{-2}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
tribromomethane	1.7×10^{-2}	5200	Sander et al. (2011)	L	
$CHBr_3$	1.7×10^{-2}	5200	Sander et al. (2006)	L	
(bromoform)	1.7×10^{-2}	5200	Staudinger and Roberts (2001)	L	
[75-25-2]	1.7×10^{-2}	5200	Staudinger and Roberts (1996)	L	
	1.6×10^{-2}		Mackay and Shiu (1981)	L	
	2.2×10^{-2}	6300	Hiatt (2013)	M	
	9.6×10^{-3}		Zhang et al. (2002)	M	20
	2.3×10^{-2}		Hovorka and Dohnal (1997)	M	9
	1.4×10^{-2}	4500	Kondoh and Nakajima (1997)	M	
	1.4×10^{-2}	5200	Moore et al. (1995)	M	130
	8.5×10^{-3}	1500	Khalfaoui and Newsham (1994a)	M	
	2.3×10^{-2}	5700	Wright et al. (1992)	M	
	1.9×10^{-2}	5000	Tse et al. (1992)	M	
	1.8×10^{-2}	4700	Munz and Roberts (1987)	M	
	1.6×10^{-2}	5700	Nicholson et al. (1984)	M	
	1.9×10^{-2}		Warner et al. (1980)	M	
	1.7×10^{-2}		Mackay et al. (2006b)	V	
	1.8×10^{-2}	5300	Fogg and Sangster (2003)	V	
	1.7×10^{-2}		Mackay et al. (1993)	V	
	1.7×10^{-2}		Warner et al. (1980)	V	
	1.5×10^{-2}		Hine and Mookerjee (1975)	V	
	1.8×10^{-2}	2700	Goldstein (1982)	X	122
	1.7×10^{-2}		Ryan et al. (1988)	C	
	1.7×10^{-2}		Nicholson et al. (1984)	C	
	7.3×10^{-3}		Hilal et al. (2008)	Q	
		5600	Kühne et al. (2005)	Q	
	2.4×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.1×10^{-2}		Mackay et al. (2006b)	?	
		5000	Kühne et al. (2005)	?	
	1.7×10^{-2}		Yaws (1999)	?	
	2.1×10^{-2}		Mackay et al. (1993)	?	
	1.5×10^{-2}		Abraham et al. (1990)	?	
tetrabromomethane	1.2×10^{-2}		Fogg and Sangster (2003)	V	284, 24
CBr_4	2.0×10^{-2}		Hilal et al. (2008)	C	
[558-13-4]	2.1×10^{-3}		Hilal et al. (2008)	Q	
bromoethane	1.3×10^{-3}		Li et al. (1993)	M	
C_2H_5Br	1.3×10^{-3}	3900	Rex (1906)	M	
[74-96-4]			Mackay et al. (2006b)	V	258
	8.1×10^{-4}		Mackay et al. (1993)	V	
	1.4×10^{-3}		Abraham (1984)	V	
	1.3×10^{-3}		Hine and Mookerjee (1975)	V	
	9.2×10^{-5}		Ryan et al. (1988)	C	
	3.4×10^{-3}		Hilal et al. (2008)	Q	
		3700	Kühne et al. (2005)	Q	
	1.6×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
		3800	Kühne et al. (2005)	?	
	1.3×10^{-3}		Yaws and Yang (1992)	?	98
	1.4×10^{-3}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2-dibromoethane	1.7×10^{-2}	5500	Hiatt (2013)	M	
$C_2H_4Br_2$	1.9×10^{-2}		Dohnal and Hovorka (1999)	M	9
(ethylene dibromide)	1.9×10^{-2}		Hovorka and Dohnal (1997)	M	9
[106-93-4]	1.8×10^{-2}	5500	Kondoh and Nakajima (1997)	M	
	1.1×10^{-2}	3000	Khalfaoui and Newsham (1994a)	M	
	1.5×10^{-2}	3900	Ashworth et al. (1988)	M	109
	1.5×10^{-2}		Mackay et al. (2006b)	V	
	2.1×10^{-3}		Mackay et al. (1993)	V	
	1.4×10^{-2}		Hine and Mookerjee (1975)	V	
	1.1×10^{-2}	1900	Goldstein (1982)	X	122
	3.9×10^{-2}		Hilal et al. (2008)	Q	
		4800	Kühne et al. (2005)	Q	
	7.5×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	1.5×10^{-2}		Mackay et al. (2006b)	?	
		4200	Kühne et al. (2005)	?	
	1.5×10^{-2}		Mackay et al. (1993)	?	
	1.4×10^{-2}		Yaws and Yang (1992)	?	98
	2.1×10^{-2}		Abraham et al. (1990)	?	
	1.6×10^{-2}		Mackay and Yeun (1983)	?	
	1.8×10^{-2}		Chiou et al. (1980)	?	28
1,2-dibromoethane-d4 $C_2D_4Br_2$ (ethylene dibromide-d4) [22581-63-1]	1.6×10^{-2}	4800	Hiatt (2013)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,1,2,2-tetrabromoethane	1.0×10^{-2}	840	Khalfaoui and Newsham (1994a)	M	
$C_2H_2Br_4$	5.7×10^{-1}		Zhang et al. (2010)	Q	113, 114
[79-27-6]	2.9×10^{-1}		Zhang et al. (2010)	Q	113, 115
	4.3×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.5×10^{-1}		Zhang et al. (2010)	Q	113, 117
	2.4×10^{-1}		Hilal et al. (2008)	Q	
1-bromopropane	1.1×10^{-3}		Li et al. (1993)	M	
C_3H_7Br	1.1×10^{-3}	4500	Rex (1906)	M	
[106-94-5]	2.6×10^{-4}		Mackay et al. (2006b)	V	
	2.6×10^{-4}		Mackay et al. (1993)	V	
	1.0×10^{-3}		Abraham (1984)	V	
	1.0×10^{-3}		Hine and Mookerjee (1975)	V	
	2.8×10^{-3}		Hilal et al. (2008)	Q	
	1.3×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	1.4×10^{-3}		Yaws and Yang (1992)	?	98, 9
	1.0×10^{-3}		Abraham et al. (1990)	?	
2-bromopropane	8.4×10^{-4}		Li et al. (1993)	M	
C_3H_7Br	9.0×10^{-4}	4500	Rex (1906)	M	
[75-26-3]	7.9×10^{-4}		Mackay et al. (2006b)	V	
	7.9×10^{-4}		Mackay et al. (1993)	V	
	9.0×10^{-4}		Hine and Mookerjee (1975)	V	
	1.5×10^{-3}		Hilal et al. (2008)	Q	
	9.2×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	1.0×10^{-3}		Yaws and Yang (1992)	?	98, 9
	9.0×10^{-4}		Abraham et al. (1990)	?	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2-dibromopropane	6.8×10^{-3}		Mackay et al. (2006b)	V	
$C_3H_6Br_2$	1.1×10^{-2}		Hine and Mookerjee (1975)	V	
[78-75-1]	1.9×10^{-2}		Hilal et al. (2008)	Q	
	4.4×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	6.6×10^{-3}		Yaws and Yang (1992)	?	98
1,3-dibromopropane	1.1×10^{-3}		Mackay et al. (1993)	V	
$C_3H_6Br_2$	1.1×10^{-2}		Hine and Mookerjee (1975)	V	
[109-64-8]	7.2×10^{-2}		Hilal et al. (2008)	Q	
	6.0×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
1-bromobutane	4.6×10^{-4}		Hoff et al. (1993)	M	
C_4H_9Br	8.2×10^{-4}		Li et al. (1993)	M	
[109-65-9]	8.0×10^{-4}		Abraham (1984)	V	
	8.0×10^{-4}		Hine and Mookerjee (1975)	V	
	2.2×10^{-3}		Hilal et al. (2008)	Q	
	1.0×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	8.3×10^{-4}		Haynes (2014)	?	285
	8.1×10^{-4}		Yaws and Yang (1992)	?	98
	7.9×10^{-4}		Abraham et al. (1990)	?	
2-bromobutane	7.7×10^{-4}		Li et al. (1993)	M	
C_4H_9Br	1.4×10^{-3}		Hilal et al. (2008)	Q	
[78-76-2]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-bromo-2-methylpropane	4.2×10^{-4}		Hine and Mookerjee (1975)	V	
C_4H_9Br	2.0×10^{-3}		Hilal et al. (2008)	Q	
[78-77-3]	8.6×10^{-4}		Nirmalakhandan et al. (1997)	Q	
	4.2×10^{-4}		Abraham et al. (1990)	?	
2-bromo-2-methylpropane	5.2×10^{-4}		Hilal et al. (2008)	Q	
C_4H_9Br	5.2×10^{-4}		Nirmalakhandan et al. (1997)	Q	
[507-19-7]	3.1×10^{-4}		Yaws and Yang (1992)	?	98, 125
	9.7×10^{-5}		Abraham et al. (1990)	?	
1-bromo-3-methylbutane	4.9×10^{-4}		Mackay et al. (1993)	V	
$C_5H_{11}Br$	2.9×10^{-4}		Hine and Mookerjee (1975)	V	
[107-82-4]	1.8×10^{-3}		Hilal et al. (2008)	Q	
	7.0×10^{-4}		Nirmalakhandan et al. (1997)	Q	
1,4-dibromobutane $C_4H_8Br_2$ [110-52-1]	7.3×10^{-2}		Hilal et al. (2008)	Q	
1-bromopentane	4.7×10^{-4}		Abraham (1984)	V	
$C_5H_{11}Br$	1.8×10^{-3}		Hilal et al. (2008)	Q	
[110-53-2]	8.0×10^{-4}		Nirmalakhandan et al. (1997)	Q	
	5.0×10^{-4}		Yaws and Yang (1992)	?	98
	4.7×10^{-4}		Abraham et al. (1990)	?	
1-bromo-2-methylbutane $C_5H_{11}Br$ [10422-35-2]	8.8×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-bromohexane	3.0×10^{-4}		Abraham (1984)	V	
$C_6H_{13}Br$	1.5×10^{-3}		Hilal et al. (2008)	Q	
[111-25-1]	6.2×10^{-4}		Nirmalakhandan et al. (1997)	Q	
	3.0×10^{-4}		Abraham et al. (1990)	?	
1-bromo-3-methylpentane	5.8×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
$C_6H_{13}Br$					
[51116-73-5]					
bromocyclohexane	7.0×10^{-3}		Hilal et al. (2008)	Q	
$C_6H_{11}Br$					
[108-85-0]					
1-bromoheptane	2.3×10^{-4}		Abraham (1984)	V	
$C_7H_{15}Br$	1.2×10^{-3}		Hilal et al. (2008)	Q	
[629-04-9]	5.0×10^{-4}		Nirmalakhandan et al. (1997)	Q	
	2.3×10^{-4}		Abraham et al. (1990)	?	
1-bromooctane	2.4×10^{-4}	4600	Sarraute et al. (2004)	V	
$C_8H_{17}Br$	1.7×10^{-4}		Abraham (1984)	V	
[111-83-1]	9.7×10^{-4}		Hilal et al. (2008)	Q	
	3.9×10^{-4}		Nirmalakhandan et al. (1997)	Q	
	1.7×10^{-4}		Abraham et al. (1990)	?	
1,8-dibromooctane	1.4×10^{-2}	7300	Sarraute et al. (2006)	M	
$C_8H_{16}Br_2$					
[4549-32-0]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2-dibromo-4-(1,2-dibromoethyl)cyclohexane	2.4×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_8H_{12}Br_4$	2.9		Zhang et al. (2010)	Q	113, 115
[3322-93-8]	1.0×10^{1}		Zhang et al. (2010)	Q	113, 116
	2.5×10^{-1}		Zhang et al. (2010)	Q	113, 117
1-bromononane	7.9×10^{-4}		Hilal et al. (2008)	Q	
$C_9H_{19}Br$					
[693-58-3]					
hexabromocyclododecane	5.7		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{18}Br_6$	1.7×10^{2}		Zhang et al. (2010)	Q	113, 115
[3194-55-6]	5.7×10^{3}		Zhang et al. (2010)	Q	113, 116
	6.5		Zhang et al. (2010)	Q	113, 117
vinyl bromide	8.0×10^{-4}		Zhang et al. (2010)	Q	113, 114
C_2H_3Br	7.7×10^{-4}		Zhang et al. (2010)	Q	113, 115
[593-60-2]	4.8×10^{-4}		Zhang et al. (2010)	Q	113, 116
	8.2×10^{-4}		Zhang et al. (2010)	Q	113, 117
3-bromo-1-propene	8.6×10^{-3}		Hilal et al. (2008)	Q	
C_3H_5Br	1.7×10^{-3}		Yaws and Yang (1992)	?	98
(allyl bromide)	1.7×10^{-3}		Abraham et al. (1990)	?	
[106-95-6]					
3-bromo-1-propyne	8.8×10^{-3}	4000	Yates and Gan (1998)	M	
C_3H_3Br		3200	Kühne et al. (2005)	Q	
(propargyl bromide)		4200	Kühne et al. (2005)	?	
[106-96-7]			Fogg and Sangster (2003)	?	286
1-bromocyclohexene	2.0×10^{-3}		Hilal et al. (2008)	Q	
C_6H_9Br					
[2044-08-8]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-bromo-4-methylcyclohexene $C_7H_{11}Br$ [31053-84-6]	1.4×10^{-3}		Hilal et al. (2008)	Q	
bromobenzene	5.0×10^{-3}	4200	Fogg and Sangster (2003)	L	
C_6H_5Br	4.8×10^{-3}		Mackay and Shiu (1981)	L	
[108-86-1]	6.0×10^{-3}	4300	Hiatt (2013)	M	
	3.9×10^{-3}	2900	Lau et al. (2010)	M	126
	5.0×10^{-3}		de Wolf and Lieder (1998)	M	30
	4.0×10^{-3}		Shiu and Mackay (1997)	M	
	6.1×10^{-3}		Hovorka and Dohnal (1997)	M	9
	4.9×10^{-3}	4200	Kondoh and Nakajima (1997)	M	
	5.3×10^{-3}	5300	Hansen et al. (1993)	M	111
	4.4×10^{-3}		Li and Carr (1993)	M	
	4.0×10^{-3}		Mackay and Shiu (1981)	M	
	4.7×10^{-3}		Shiu and Mackay (1997)	V	
	4.7×10^{-3}		Mackay et al. (1993)	V	
	5.0×10^{-3}		Hwang et al. (1992)	V	
	4.7×10^{-3}		Hine and Mookerjee (1975)	V	
	4.0×10^{-3}		Schüürmann (2000)	C	11
	5.2×10^{-3}		Hilal et al. (2008)	Q	
		4800	Kühne et al. (2005)	Q	
	7.3×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
		4300	Kühne et al. (2005)	?	
	4.7×10^{-3}		Yaws and Yang (1992)	?	98
	4.7×10^{-3}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
bromobenzene-d5 C_6D_5Br [4165-57-5]	6.5×10^{-3}	4200	Hiatt (2013)	M	
1,2-dibromobenzene $C_6H_4Br_2$ [583-53-9]	9.5×10^{-3}		Schüürmann (2000)	V	
1,3-dibromobenzene	5.0×10^{-3}		Mackay and Shiu (1981)	V	234
$C_6H_4Br_2$	9.0×10^{-3}		Hilal et al. (2008)	Q	
[108-36-1]					
1,4-dibromobenzene	9.4×10^{-3}		Kuramochi et al. (2004)	M	
$C_6H_4Br_2$	4.3×10^{-3}		Schüürmann (2000)	V	
[106-37-6]	4.8×10^{-3}		Mackay and Shiu (1981)	V	234
	2.0×10^{-2}		Hine and Mookerjee (1975)	V	
	1.1×10^{-2}		Kuramochi et al. (2004)	C	
	1.2×10^{-2}		Hilal et al. (2008)	Q	
		5600	Kühne et al. (2005)	Q	
	2.4×10^{-2}		Nirmalakhandan and Speece (1988a)	Q	
		6900	Kühne et al. (2005)	?	
1,2,4-tribromobenzene	3.1×10^{-2}		Kuramochi et al. (2004)	M	
$C_6H_3Br_3$	2.9×10^{-2}		Kuramochi et al. (2004)	C	
[615-54-3]	1.8×10^{-2}		Hilal et al. (2008)	Q	
1,3,5-tribromobenzene	2.9×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_6H_3Br_3$	4.0×10^{-2}		Zhang et al. (2010)	Q	113, 115
[626-39-1]	2.5×10^{-2}		Zhang et al. (2010)	Q	113, 116
	2.6×10^{-2}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2,4,5-tetrabromobenzene	2.7×10^{-3}		Kuramochi et al. (2004)	M	
$C_6H_2Br_4$ [636-28-2]	2.0×10^{-2}		Hilal et al. (2008)	Q	
hexabromobenzene	9.3×10^{-2}		Kuramochi et al. (2004)	M	
C_6Br_6	4.1×10^{-1}		Kuramochi et al. (2014)	V	
[87-82-1]	7.1		Tittlemier et al. (2002)	V	
	4.0×10^{-1}		Xiao et al. (2012)	Q	
	4.6×10^{-1}		Zhang et al. (2010)	Q	113, 114
	4.6×10^{-1}		Zhang et al. (2010)	Q	113, 115
	6.0×10^{-2}		Zhang et al. (2010)	Q	113, 116
	6.7×10^{-1}		Zhang et al. (2010)	Q	113, 117
	1.2×10^{-2}		Hilal et al. (2008)	Q	
(bromomethyl)-benzene	5.4×10^{-2}		Hilal et al. (2008)	Q	
C_7H_7Br (benzyl bromide) [100-39-0]	2.2×10^{-2}		Abraham et al. (1990)	?	
p-bromobenzyl bromide	3.6×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_7H_6Br_2$	2.7×10^{-1}		Zhang et al. (2010)	Q	113, 115
[589-15-1]	2.0×10^{-1}		Zhang et al. (2010)	Q	113, 116
	2.4×10^{-2}		Zhang et al. (2010)	Q	113, 117
1-bromo-2-methylbenzene $BrC_6H_4CH_3$ (*o*-bromotoluene) [95-46-5]	5.3×10^{-3}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-bromo-3-methylbenzene $BrC_6H_4CH_3$ (*m*-bromotoluene) [591-17-3]	5.2×10^{-3}		Hilal et al. (2008)	Q	
1-bromo-4-methylbenzene	3.4×10^{-3}	4600	Brockbank et al. (2013)	M	
$BrC_6H_4CH_3$	4.2×10^{-3}		Hine and Mookerjee (1975)	V	
(*p*-bromotoluene)	5.6×10^{-3}		Hilal et al. (2008)	Q	
[106-38-7]	5.2×10^{-3}		Nirmalakhandan et al. (1997)	Q	
	5.2×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	4.2×10^{-3}		Abraham et al. (1990)	?	
3,5-dibromotoluene $C_7H_6Br_2$ [1611-92-3]	1.7×10^{-2}	4800	Hiatt (2013)	M	
pentabromotoluene $C_7H_3Br_5$ [87-83-2]	4.0×10^{-1}		Xiao et al. (2012)	Q	
1-bromo-2-ethylbenzene	3.0×10^{-3}		Hine and Mookerjee (1975)	V	
C_8H_9Br	4.3×10^{-3}		Hilal et al. (2008)	Q	
[1973-22-4]	4.5×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-bromo-4-ethylbenzene	3.1×10^{-3}		Zhang et al. (2010)	Q	113, 114
C_8H_9Br	6.1×10^{-3}		Zhang et al. (2010)	Q	113, 115
[1585-07-5]	4.2×10^{-3}		Zhang et al. (2010)	Q	113, 116
	5.2×10^{-3}		Zhang et al. (2010)	Q	113, 117
2-bromostyrene	9.0×10^{-3}		Zhang et al. (2010)	Q	113, 114
C_8H_7Br	9.5×10^{-3}		Zhang et al. (2010)	Q	113, 115
[125904-11-2]	7.3×10^{-3}		Zhang et al. (2010)	Q	113, 116
	1.5×10^{-2}		Zhang et al. (2010)	Q	113, 117
2,3,4,5,6-pentabromoethylbenzene	1.2×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_8H_5Br_5$	3.6×10^{-1}		Zhang et al. (2010)	Q	113, 115
[85-22-3]	3.3×10^{-2}		Zhang et al. (2010)	Q	113, 116
	9.7×10^{-2}		Zhang et al. (2010)	Q	113, 117
1-bromo-2-(2-propyl)-benzene	1.7×10^{-3}		Hine and Mookerjee (1975)	V	
$BrC_6H_4C_3H_7$	2.5×10^{-3}		Hilal et al. (2008)	Q	
(*o*-bromocumene)	3.1×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
[7073-94-1]					
1-bromonaphthalene $C_{10}H_7Br$ [90-11-9]	8.2×10^{-2}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
decabromobiphenyl	2.4×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_{12}Br_{10}$	3.0×10^{2}		Zhang et al. (2010)	Q	113, 115
[13654-09-6]	2.3×10^{2}		Zhang et al. (2010)	Q	113, 116
	5.0×10^{2}		Zhang et al. (2010)	Q	113, 117
4-bromo-1,1'-biphenyl	6.0×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_9Br$	6.9×10^{-2}		Zhang et al. (2010)	Q	113, 115
[92-66-0]	1.7×10^{-1}		Zhang et al. (2010)	Q	113, 116
	3.5×10^{-1}		Zhang et al. (2010)	Q	113, 117
1,2-bis(pentabromophenyl) ethane	1.5×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_4Br_{10}$	8.8×10^{2}		Zhang et al. (2010)	Q	113, 115
[84852-53-9]	8.6×10^{1}		Zhang et al. (2010)	Q	113, 116
	1.7×10^{2}		Zhang et al. (2010)	Q	113, 117
1,3,6,8-tetrabromopyrene	4.7×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_6Br_4$	4.4×10^{1}		Zhang et al. (2010)	Q	113, 115
[128-63-2]	6.2×10^{-1}		Zhang et al. (2010)	Q	113, 116
	6.5×10^{1}		Zhang et al. (2010)	Q	113, 117
bromomethanol CH_2BrOH	2.0×10^{1}		Krysztofiak et al. (2012)	Q	
dibromomethanol $CHBr_2OH$	1.7×10^{2}		Krysztofiak et al. (2012)	Q	
tribromomethanol CBr_3OH [75-80-9]	1.5×10^{3}		Krysztofiak et al. (2012)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
formyl bromide CHBrO [7726-11-6]	7.3×10^{-1}		Krysztofiak et al. (2012)	Q	
carbonyl bromide CBr_2O [593-95-3]	2.1×10^{-1}		Krysztofiak et al. (2012)	Q	
bromomethyl peroxide CH_2BrO_2H	2.5×10^{1}		Krysztofiak et al. (2012)	Q	
dibromomethyl peroxide $CHBr_2O_2H$	2.2×10^{2}		Krysztofiak et al. (2012)	Q	
tribromomethyl peroxide CBr_3O_2H	1.9×10^{3}		Krysztofiak et al. (2012)	Q	
bromoethanoic acid	1.5×10^{3}	9300	Sander et al. (2011)	L	
$CH_2BrCOOH$	1.5×10^{3}	9300	Bowden et al. (1998a)	M	
(bromoacetic acid)		8800	Kühne et al. (2005)	Q	
[79-08-3]		9300	Kühne et al. (2005)	?	
dibromoethanoic acid	2.3×10^{3}	8900	Sander et al. (2011)	L	
$CHBr_2COOH$	2.2×10^{3}	8900	Bowden et al. (1998a)	M	
(dibromoacetic acid)		9900	Kühne et al. (2005)	Q	
[631-64-1]		9000	Kühne et al. (2005)	?	
tribromoethanoic acid	3.0×10^{3}	9000	Sander et al. (2011)	L	
CBr_3COOH	2.9×10^{3}	9000	Bowden et al. (1998a)	M	
(tribromoacetic acid) [75-96-7]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3-dibromopropyl alcohol	1.6×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_3H_6Br_2O$	1.1×10^{2}		Zhang et al. (2010)	Q	113, 115
[96-13-9]	1.2×10^{1}		Zhang et al. (2010)	Q	113, 116
	1.4×10^{1}		Zhang et al. (2010)	Q	113, 117
2,3-dibromobutane-1,4-diol	3.2×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_4H_8Br_2O_2$	1.0×10^{5}		Zhang et al. (2010)	Q	113, 115
[90801-18-6]	1.5×10^{6}		Zhang et al. (2010)	Q	113, 116
	4.7×10^{4}		Zhang et al. (2010)	Q	113, 117
trisbromoneopentyl alcohol	7.7×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_5H_9Br_3O$	7.5		Zhang et al. (2010)	Q	113, 115
[36483-57-5]	1.1×10^{1}		Zhang et al. (2010)	Q	113, 116
	1.0		Zhang et al. (2010)	Q	113, 117
2-bromophenol HOC_6H_4Br [95-56-7]	4.2		Hilal et al. (2008)	Q	
3-bromophenol HOC_6H_4Br [591-20-8]	2.3×10^{1}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-bromophenol	6.7×10^{1}		Abraham et al. (1994)	R	
HOC_6H_4Br	6.8×10^{1}	8200	Parsons et al. (1971)	T	167
[106-41-2]	1.6×10^{1}		Hilal et al. (2008)	Q	
	3.0×10^{2}		Nirmalakhandan et al. (1997)	Q	
	3.3×10^{1}		Nirmalakhandan and Speece (1988a)	Q	
	6.9×10^{1}		Abraham et al. (1990)	?	
2,4,6-tribromophenol	2.8×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_6H_3Br_3O$	1.5×10^{-1}		Zhang et al. (2010)	Q	113, 115
[118-79-6]	6.2		Zhang et al. (2010)	Q	113, 116
	7.7		Zhang et al. (2010)	Q	113, 117
pentabromophenol	1.8×10^{3}		Zhang et al. (2010)	Q	113, 114
C_6HBr_5O	1.2		Zhang et al. (2010)	Q	113, 115
[608-71-9]	2.2×10^{1}		Zhang et al. (2010)	Q	113, 116
	1.3×10^{2}		Zhang et al. (2010)	Q	113, 117
1-bromo-2-methoxybenzene C_7H_7BrO (2-bromoanisole) [578-57-4]	7.1×10^{-1}		Pfeifer et al. (2001)	M	
1-bromo-3-methoxybenzene C_7H_7BrO (3-bromoanisole) [2398-37-0]	1.8×10^{-1}		Pfeifer et al. (2001)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-bromo-4-methoxybenzene C_7H_7BrO (4-bromoanisole) [104-92-7]	2.6×10^{-1}		Pfeifer et al. (2001)	M	
1,5-dibromo-2-methoxybenzene $C_7H_6Br_2O$ (2,4-dibromoanisole) [21702-84-1]	2.0		Pfeifer et al. (2001)	M	
1,3-dibromo-2-methoxybenzene $C_7H_6Br_2O$ (2,6-dibromoanisole) [38603-09-7]	9.1×10^{-1}		Pfeifer et al. (2001)	M	
1,3,5-tribromo-2-methoxybenzene $C_7H_5Br_3O$ (2,4,6-tribromoanisole) [607-99-8]	3.3×10^{-1}		Pfeifer et al. (2001)	M	
pentabromomethoxybenzene $C_7H_3Br_5O$ (pentabromoanisole) [1825-26-9]	2.5×10^{1}		Pfeifer et al. (2001)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,3,5-tribromo-2-methoxy-4-methylbenzene	4.4×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_8H_7Br_3O$	2.0×10^{-1}		Zhang et al. (2010)	Q	113, 115
[41424-36-6]	3.2×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.9×10^{-1}		Zhang et al. (2010)	Q	113, 117
4,5,6,7-tetrabromo-1,3-isobenzofurandione	6.1×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_8Br_4O_3$	4.4×10^{5}		Zhang et al. (2010)	Q	113, 115
[632-79-1]	2.4×10^{2}		Zhang et al. (2010)	Q	113, 116
	8.0×10^{2}		Zhang et al. (2010)	Q	113, 117
allyl 2,4,6-tribromophenyl ether	3.8×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_9H_7Br_3O$	1.3×10^{-1}		Zhang et al. (2010)	Q	113, 115
[3278-89-5]	2.0×10^{-1}		Zhang et al. (2010)	Q	113, 116
	6.2×10^{-1}		Zhang et al. (2010)	Q	113, 117
2,4-dibromo-6-methylphenyl glycidyl ether	8.2×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_{10}Br_2O_2$	7.0		Zhang et al. (2010)	Q	113, 115
[75150-13-9]	5.2×10^{1}		Zhang et al. (2010)	Q	113, 116
	5.4		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-(2,4,6-tribromophenoxy)ethyl acrylate	2.9×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_{11}H_9Br_3O_3$	1.6×10^{1}		Zhang et al. (2010)	Q	113, 115
[7347-19-5]	4.3×10^{3}		Zhang et al. (2010)	Q	113, 116
	1.3×10^{2}		Zhang et al. (2010)	Q	113, 117
1,2,3',4,4',5'-hexabromodiphenyl ether	2.1×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_4Br_6O$	7.3×10^{1}		Zhang et al. (2010)	Q	113, 115
[36483-60-0]	2.7×10^{2}		Zhang et al. (2010)	Q	113, 116
	2.5×10^{1}		Zhang et al. (2010)	Q	113, 117
heptabromodiphenyl oxide	5.2×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_3Br_7O$	2.6×10^{1}		Zhang et al. (2010)	Q	113, 115
[68928-80-3]	5.6×10^{2}		Zhang et al. (2010)	Q	113, 116
	4.8×10^{1}		Zhang et al. (2010)	Q	113, 117
2,2',3,4,4',5,5',6-octabromodiphenyl ether	1.3×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_2Br_8O$	7.3×10^{1}		Zhang et al. (2010)	Q	113, 115
[32536-52-0]	6.5×10^{2}		Zhang et al. (2010)	Q	113, 116
	8.0×10^{1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
nonabromodiphenyl ether	3.3×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_{12}HBr_9O$	1.5×10^{2}		Zhang et al. (2010)	Q	113, 115
[63936-56-1]	1.1×10^{3}		Zhang et al. (2010)	Q	113, 116
	2.1×10^{2}		Zhang et al. (2010)	Q	113, 117
1,2,3-tribromo-4-(3-bromophenoxy)benzene	3.4		Zhang et al. (2010)	Q	113, 114
$C_{12}H_6Br_4O$	1.0		Zhang et al. (2010)	Q	113, 115
[40088-47-9]	1.6×10^{1}		Zhang et al. (2010)	Q	113, 116
	1.1×10^{1}		Zhang et al. (2010)	Q	113, 117
4,4'-methylenebis(2,6-dibromophenol)	7.5×10^{7}		Zhang et al. (2010)	Q	113, 114
$C_{13}H_8Br_4O_2$	9.0×10^{1}		Zhang et al. (2010)	Q	113, 115
[21825-03-6]	1.3×10^{4}		Zhang et al. (2010)	Q	113, 116
	3.4×10^{3}		Zhang et al. (2010)	Q	113, 117
1,1'-[1,2-ethanediylbis(oxy)]bis(pentabromobenzene)	5.3×10^{4}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_4Br_{10}O_2$	8.6×10^{2}		Zhang et al. (2010)	Q	113, 115
[61262-53-1]	2.2×10^{2}		Zhang et al. (2010)	Q	113, 116
	1.1×10^{3}		Zhang et al. (2010)	Q	113, 117
4,4'-dibromobenzil	8.0×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_8Br_2O_2$	2.6×10^{3}		Zhang et al. (2010)	Q	113, 115
[35578-47-3]	1.9×10^{2}		Zhang et al. (2010)	Q	113, 116
	1.3×10^{5}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,2-bis(2,4,6-tribromophenoxy)ethane	1.8×10^{1}		Kuramochi et al. (2014)	V	
$C_{14}H_8Br_6O_2$	6.4×10^{1}		Xiao et al. (2012)	Q	
(BTBPE)	1.3×10^{3}		Zhang et al. (2010)	Q	113, 114
[37853-59-1]	7.3×10^{1}		Zhang et al. (2010)	Q	113, 115
	1.1×10^{3}		Zhang et al. (2010)	Q	113, 116
	1.0×10^{3}		Zhang et al. (2010)	Q	113, 117
2-ethylhexyl-2,3,4,5-tetrabromobenzoate $C_{15}H_{18}Br_4O_2$ (EHTeBB) [183658-27-7]	1.6		Xiao et al. (2012)	Q	
4,4'-(1-methylethylidene)bis[2,6-dibromophenol	4.2×10^{7}		Zhang et al. (2010)	Q	113, 114
$C_{15}H_{12}Br_4O_2$	3.9×10^{1}		Zhang et al. (2010)	Q	113, 115
[79-94-7]	8.0×10^{4}		Zhang et al. (2010)	Q	113, 116
	1.6×10^{3}		Zhang et al. (2010)	Q	113, 117
4-[2-[2,6-bis(bromanyl)-4-oxidanyl-phenyl]propan-2-yl]-3,5-bis(bromanyl)phenol	4.2×10^{7}		Zhang et al. (2010)	Q	113, 114
$C_{15}H_{12}Br_4O_2$	2.0×10^{7}		Zhang et al. (2010)	Q	113, 115
[94334-64-2]	2.2×10^{7}		Zhang et al. (2010)	Q	113, 116
	1.7×10^{8}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-(2-hydroxyethoxy)ethyl 2-hydroxypropyl 3,4,5,6-tetrabromophthalate	3.6×10^{10}		Zhang et al. (2010)	Q	113, 114
$C_{15}H_{16}Br_4O_7$	1.5×10^{11}		Zhang et al. (2010)	Q	113, 115
[20566-35-2]	3.1×10^{13}		Zhang et al. (2010)	Q	113, 116
	5.7×10^{10}		Zhang et al. (2010)	Q	113, 117
1,2,4,5-tetrabromo-3,6-bis(pentabromophenoxy)benzene	1.5×10^{6}		Zhang et al. (2010)	Q	113, 114
$C_{18}O_2Br_{14}$	4.1×10^{5}		Zhang et al. (2010)	Q	113, 115
[58965-66-5]	2.1×10^{6}		Zhang et al. (2010)	Q	113, 116
	6.7×10^{5}		Zhang et al. (2010)	Q	113, 117
2,2-bis(3,5-dibromo-4-(2-hydroxyethoxy)phenyl)propane	5.6×10^{7}		Zhang et al. (2010)	Q	113, 114
$C_{19}H_{20}Br_4O_4$	1.5×10^{8}		Zhang et al. (2010)	Q	113, 115
[4162-45-2]	6.1×10^{9}		Zhang et al. (2010)	Q	113, 116
	2.5×10^{8}		Zhang et al. (2010)	Q	113, 117
solvent red 43	4.4×10^{12}		Zhang et al. (2010)	Q	113, 114
$C_{20}H_8Br_4O_5$	1.5×10^{8}		Zhang et al. (2010)	Q	113, 115
[15086-94-9]	2.7×10^{10}		Zhang et al. (2010)	Q	113, 116
	2.9×10^{8}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2-bis[4-(2,3-dibromopropoxy)-3,5-dibromophenyl-]propane	2.4×10^{5}		Zhang et al. (2010)	Q	113, 114
$C_{21}H_{20}Br_8O_2$	4.0×10^{4}		Zhang et al. (2010)	Q	113, 115
[21850-44-2]	1.7×10^{5}		Zhang et al. (2010)	Q	113, 116
	8.6×10^{4}		Zhang et al. (2010)	Q	113, 117
2,2-bis(4-allyloxy-3,5-dibromophenyl)propane	7.7×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{21}H_{20}Br_4O_2$	1.3×10^{1}		Zhang et al. (2010)	Q	113, 115
[25327-89-3]	1.7×10^{2}		Zhang et al. (2010)	Q	113, 116
	1.9×10^{2}		Zhang et al. (2010)	Q	113, 117
ac1mj2tg	1.3×10^{8}		Zhang et al. (2010)	Q	113, 114
$C_{21}H_{24}Br_4O_4$	4.7×10^{6}		Zhang et al. (2010)	Q	113, 115
[33294-14-3]	9.2×10^{6}		Zhang et al. (2010)	Q	113, 116
	1.2×10^{6}		Zhang et al. (2010)	Q	113, 117
tetrabromophenolphthalein ethyl ester	1.0×10^{11}		Zhang et al. (2010)	Q	113, 114
$C_{22}H_{14}Br_4O_4$	1.2×10^{7}		Zhang et al. (2010)	Q	113, 115
[1176-74-5]	3.1×10^{10}		Zhang et al. (2010)	Q	113, 116
	3.5×10^{8}		Zhang et al. (2010)	Q	113, 117
4,10-dibromodibenzo[def,mno]chrysene-6,12-dione	5.8×10^{6}		Zhang et al. (2010)	Q	113, 114
$C_{22}H_8Br_2O_2$	2.7×10^{5}		Zhang et al. (2010)	Q	113, 115
[4378-61-4]	4.1×10^{6}		Zhang et al. (2010)	Q	113, 116
	1.1×10^{8}		Zhang et al. (2010)	Q	113, 117

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
bis(2-ethylhexyl)-3,4,5,6-tetrabromophthalate $C_{24}H_{34}Br_4O_4$ (TBPH) [26040-51-7]	4.0×10^{2}		Xiao et al. (2012)	Q	
Polybrominated diphenyl ethers (PBDEs)					
4-bromodiphenyl ether	5.0×10^{-2}		Lau et al. (2006)	M	265
$C_{12}H_9BrO$	4.3×10^{-2}		Lau et al. (2006)	M	266
(PBDE-3)	5.8×10^{-2}	5500	Charles and Destaillats (2005)	M	
[101-55-3]	9.6×10^{-2}		Mackay et al. (1993)	V	
4,4'-dibromodiphenyl ether	8.3×10^{-2}		Lau et al. (2006)	M	265
$C_{12}H_8Br_2O$	7.1×10^{-2}		Lau et al. (2006)	M	266
(PBDE-15)	7.3×10^{-2}	4500	Charles and Destaillats (2005)	M	
[2050-47-7]	4.8×10^{-2}		Tittlemier et al. (2002)	V	
	2.4×10^{-1}		Wania and Dugani (2003)	R	
	9.0×10^{-2}		Hilal et al. (2008)	Q	
2,4,4'-tribromodiphenyl ether	1.1×10^{-1}		Lau et al. (2006)	M	265
$C_{12}H_7Br_3O$	7.7×10^{-2}		Lau et al. (2006)	M	266
(PBDE-28)	1.8×10^{-1}	7400	Cetin and Odabasi (2005)	M	
[41318-75-6]	1.2×10^{-1}	12000	Charles and Destaillats (2005)	M	
	2.0×10^{-1}		Tittlemier et al. (2002)	V	
	5.2×10^{-1}		Wania and Dugani (2003)	R	
	1.4×10^{-1}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',4,4'-tetrabromodiphenyl ether	1.6×10^{-1}		Lau et al. (2006)	M	265
$C_{12}H_6Br_4O$	1.7×10^{-1}		Lau et al. (2006)	M	266
(PBDE-47)	8.7×10^{-1}	7300	Cetin and Odabasi (2005)	M	
[5436-43-1]	1.7×10^{-1}	620	Charles and Destaillats (2005)	M	
	9.3×10^{-1}		Kuramochi et al. (2014)	V	
	6.7×10^{-1}		Tittlemier et al. (2002)	V	
	9.0×10^{-1}		Wania and Dugani (2003)	R	
	2.2×10^{-1}		Hilal et al. (2008)	Q	
2,3',4,4'-tetrabromodiphenyl ether $C_{12}H_6Br_4O$ (PBDE-66) [189084-61-5]	2.0		Tittlemier et al. (2002)	V	
3,3',4,4'-tetrabromodiphenyl ether $C_{12}H_6Br_4O$ (PBDE-77) [93703-48-1]	8.3×10^{-1}		Tittlemier et al. (2002)	V	
2,2',3,4,4'-pentabromodiphenyl ether $C_{12}H_5Br_5O$ (PBDE-85) [182346-21-0]	9.1		Tittlemier et al. (2002)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',4,4',5-pentabromodiphenyl ether	6.2×10^{-1}		Lau et al. (2006)	M	265
$C_{12}H_5Br_5O$	3.3×10^{-1}		Lau et al. (2006)	M	266
(PBDE-99)	1.5	8800	Cetin and Odabasi (2005)	M	
[60348-60-9]	2.7×10^{-1}	-6700	Charles and Destaillats (2005)	M	
	2.1		Kuramochi et al. (2014)	V	
	4.3		Tittlemier et al. (2002)	V	
	1.9		Wania and Dugani (2003)	R	
	8.4		Zhang et al. (2010)	Q	113, 114
	3.7		Zhang et al. (2010)	Q	113, 115
	1.2×10^{2}		Zhang et al. (2010)	Q	113, 116
	2.4×10^{1}		Zhang et al. (2010)	Q	113, 117
	4.3×10^{-1}		Hilal et al. (2008)	Q	
2,2',4,4',6-pentabromodiphenyl ether	3.3×10^{-1}		Lau et al. (2006)	M	265
$C_{12}H_5Br_5O$	3.2×10^{-1}		Lau et al. (2006)	M	266
(PBDE-100)	3.8	6800	Cetin and Odabasi (2005)	M	
[189084-64-8]	1.9×10^{-1}	12	Charles and Destaillats (2005)	M	
	1.4×10^{1}		Tittlemier et al. (2002)	V	
	2.6		Wania and Dugani (2003)	R	
	3.7×10^{-1}		Hilal et al. (2008)	Q	
2,3',4,4',5-pentabromodiphenyl ether	6.2×10^{-1}		Lau et al. (2006)	M	265
$C_{12}H_5Br_5O$	7.7×10^{-1}		Lau et al. (2006)	M	266
(PBDE-118)	8.8×10^{-1}	4000	Charles and Destaillats (2005)	M	
[446254-77-9]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2',4,4',5,5'-hexabromodiphenyl ether	3.5	7800	Cetin and Odabasi (2005)	M	
$C_{12}H_4Br_6O$	6.1		Kuramochi et al. (2014)	V	
(PBDE-153)	1.5×10^{1}		Tittlemier et al. (2002)	V	
[68631-49-2]	2.9		Wania and Dugani (2003)	R	
	8.4×10^{-1}		Hilal et al. (2008)	Q	
2,2',4,4',5,6'-hexabromodiphenyl ether	7.3	6800	Cetin and Odabasi (2005)	M	
$C_{12}H_4Br_6O$	4.2		Tittlemier et al. (2002)	V	
(PBDE-154)	7.2×10^{-1}		Hilal et al. (2008)	Q	
[207122-15-4]					
2,2',3,4,4',5',6-heptabromodiphenyl ether	1.4×10^{2}		Tittlemier et al. (2002)	V	
$C_{12}H_3Br_7O$ (PBDE-183) [207122-16-5]					
2,2',3,3',4,4',5,5',6,6'-decabromodiphenyl ether	1.8×10^{1}	7900	Cetin and Odabasi (2005)	M	
$C_{12}Br10O$	8.2×10^{2}		Zhang et al. (2010)	Q	113, 114
(PBDE-209)	4.1×10^{2}		Zhang et al. (2010)	Q	113, 115
[1163-19-5]	1.3×10^{3}		Zhang et al. (2010)	Q	113, 116
	6.7×10^{2}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4,6-tribromobenzenamine	8.2×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_6H_4Br_3N$	2.6		Zhang et al. (2010)	Q	113, 115
[147-82-0]	6.0×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.2×10^{2}		Zhang et al. (2010)	Q	113, 117
N,N'-dimethyl-3,3',4,4',5,5'-hexabromo-2,2'-bipyrrole	5.0×10^{2}		Tittlemier et al. (2004)	V	
$C_{10}H_6Br_6N_2$ (DBP-Br6) [253798-63-9]	5.1×10^{1}		Hilal et al. (2008)	Q	
bromomethyl peroxynitrate $CH_2BrO_2NO_2$	3.5×10^{-1}		Krysztofiak et al. (2012)	Q	
dibromomethyl peroxynitrate $CHBr_2O_2NO_2$	3.0		Krysztofiak et al. (2012)	Q	
tribromomethyl peroxynitrate $CBr_3O_2NO_2$	4.0		Krysztofiak et al. (2012)	Q	
2,6-dibromo-4-nitroaniline	8.2×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_6H_4Br_2N_2O_2$	1.7×10^{2}		Zhang et al. (2010)	Q	113, 115
[827-94-1]	1.9×10^{3}		Zhang et al. (2010)	Q	113, 116
	5.7×10^{3}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-bromo-4,6-dinitroaniline	3.9×10^{4}		Zhang et al. (2010)	Q	113, 114
$C_6H_4BrN_3O_4$	2.7×10^{2}		Zhang et al. (2010)	Q	113, 115
[1817-73-8]	1.8×10^{3}		Zhang et al. (2010)	Q	113, 116
	5.7×10^{4}		Zhang et al. (2010)	Q	113, 117
3-bromonitrobenzene $C_6H_4BrNO_2$ (*m*-bromonitrobenzene) [585-79-5]	5.4		Schüürmann (2000)	V	
3,5-dibromo-4-hydroxybenzonitrile $C_7H_3Br_2NO$ [1689-84-5]	7.4×10^{2}		Mackay et al. (2006d)	V	
2,6-dibromo-3-methyl-4-nitroanisole	4.5×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_8H_7Br_2NO_3$	3.5×10^{1}		Zhang et al. (2010)	Q	113, 115
[62265-99-0]	4.7		Zhang et al. (2010)	Q	113, 116
	9.7		Zhang et al. (2010)	Q	113, 117
bromacil	7.8×10^{4}		Mackay et al. (2006d)	V	
$C_9H_{13}BrN_2O_2$ [314-40-9]	5.3×10^{2}		Suntio et al. (1988)	V	9
N'-(4-bromophenyl)-N-methoxy-N-methylurea $C_9H_{11}BrN_2O$ (metobromuron) [3060-89-7]	3.2×10^{3}		Mackay et al. (2006d)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
tris(2,3-dibromopropyl)isocyanurate	8.2×10^{12}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{15}Br_6N_3O_3$	6.5×10^{7}		Zhang et al. (2010)	Q	113, 115
[52434-90-9]	2.7×10^{8}		Zhang et al. (2010)	Q	113, 116
	1.2×10^{10}		Zhang et al. (2010)	Q	113, 117
tribromsalan	9.7×10^{5}		Zhang et al. (2010)	Q	113, 114
$C_{13}H_8Br_3NO_2$	1.2×10^{6}		Zhang et al. (2010)	Q	113, 115
[87-10-5]	1.6×10^{6}		Zhang et al. (2010)	Q	113, 116
	1.2×10^{6}		Zhang et al. (2010)	Q	113, 117
(2*E*)-N,N'-bis(2,4,6-tribromophenyl)-2-butenediamide	9.0×10^{9}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_8Br_6N_2O_2$	5.1×10^{8}		Zhang et al. (2010)	Q	113, 115
[92484-07-6]	6.2×10^{9}		Zhang et al. (2010)	Q	113, 116
	7.2×10^{13}		Zhang et al. (2010)	Q	113, 117
saytex bt 93	2.7×10^{15}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_4Br_8N_2O_4$	2.3×10^{11}		Zhang et al. (2010)	Q	113, 115
[32588-76-4]	3.5×10^{9}		Zhang et al. (2010)	Q	113, 116
	2.3×10^{13}		Zhang et al. (2010)	Q	113, 117
saytex bn 451	2.5×10^{15}		Zhang et al. (2010)	Q	113, 114
$C_{20}H_{20}Br_4N_2O_4$	1.4×10^{11}		Zhang et al. (2010)	Q	113, 115
[52907-07-0]	5.7×10^{11}		Zhang et al. (2010)	Q	113, 116
	1.6×10^{15}		Zhang et al. (2010)	Q	113, 117
deltamethrin	4.0×10^{-1}		Mackay et al. (2006d)	V	
$C_{22}H_{19}Br_2NO_3$	2.0		Siebers and Mattusch (1996)	V	9
[52918-63-5]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,2'-(methylenedi-4,1-phenylene)bis(4,5,6,7-tetrabromo-1H-isoindole-1,3(2H)-dione	5.3×10^{14}		Zhang et al. (2010)	Q	113, 114
$C_{29}H_{10}N_2O_4Br_8$	1.7×10^{14}		Zhang et al. (2010)	Q	113, 115
[32588-74-2]	9.5×10^{9}		Zhang et al. (2010)	Q	113, 116
	4.7×10^{15}		Zhang et al. (2010)	Q	113, 117
Bromine, chlorine and fluorine (C, H, N, O, F, Cl, Br)					
bromotrifluoromethane	2.0×10^{-5}		Hine and Mookerjee (1975)	V	
CF_3Br	2.0×10^{-5}		Irmann (1965)	C	
[75-63-8]	3.2×10^{-5}		Hilal et al. (2008)	Q	
	2.7×10^{-5}		Nirmalakhandan and Speece (1988a)	Q	
	5.6×10^{-6}		Irmann (1965)	Q	
	2.1×10^{-5}		Yaws (1999)	?	
1-bromo-1,2,2,2-tetrafluoroethane	1.2×10^{-4}		Edelist et al. (1964)	M	20
C_2HBrF_4	2.1×10^{-4}		Hilal et al. (2008)	Q	
(teflurane)	1.7×10^{-4}		Abraham et al. (1990)	?	
[124-72-1]					
4-bromofluorobenzene	5.3×10^{-3}	4400	Hiatt (2013)	M	
C_6H_4BrF					
[460-00-4]					

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
bromopentafluorobenzene	2.1×10^{-3}		Zhang et al. (2010)	Q	113, 114
C_6BrF_5	1.6×10^{-4}		Zhang et al. (2010)	Q	113, 115
[344-04-7]	1.4×10^{-4}		Zhang et al. (2010)	Q	113, 116
	6.7×10^{-4}		Zhang et al. (2010)	Q	113, 117
bromochloromethane	6.6×10^{-3}	4700	Hiatt (2013)	M	
CH_2BrCl	7.8×10^{-3}	4600	Kondoh and Nakajima (1997)	M	
[74-97-5]	5.8×10^{-3}		Mackay et al. (2006b)	V	
	5.8×10^{-3}		Mackay et al. (1993)	V	
			Fogg and Sangster (2003)	?	287
	6.2×10^{-3}		Yaws (1999)	?	
bromodichloromethane	4.0×10^{-3}	5200	Sander et al. (2011)	L	
$CHCl_2Br$	4.0×10^{-3}	5200	Sander et al. (2006)	L	
[75-27-4]	4.8×10^{-3}	3700	Fogg and Sangster (2003)	L	
	4.0×10^{-3}	5200	Staudinger and Roberts (2001)	L	
	4.0×10^{-3}	5200	Staudinger and Roberts (1996)	L	
	5.2×10^{-3}	4700	Hiatt (2013)	M	
	2.9×10^{-3}		Zhang et al. (2002)	M	20
	5.4×10^{-3}	4400	Kondoh and Nakajima (1997)	M	
	3.9×10^{-3}	4900	Moore et al. (1995)	M	130
	4.8×10^{-3}	4200	Tse et al. (1992)	M	
	4.7×10^{-3}	5200	Nicholson et al. (1984)	M	
	3.5×10^{-3}	5200	Ervin et al. (1980)	M	
	4.7×10^{-3}		Warner et al. (1980)	M	
	4.1×10^{-3}		Mackay et al. (2006b)	V	
	4.1×10^{-3}		Mackay et al. (1993)	V	
	4.6×10^{-3}	1200	Goldstein (1982)	X	122
	7.7×10^{-3}		Hilal et al. (2008)	C	
	4.3×10^{-3}		Nicholson et al. (1984)	C	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	4.7×10^{-3}		Nicholson et al. (1984)	C	9
	3.9×10^{-3}		Hilal et al. (2008)	Q	
		4100	Kühne et al. (2005)	Q	
	6.2×10^{-3}		Mackay et al. (2006b)	?	
		3800	Kühne et al. (2005)	?	
	6.2×10^{-3}		Mackay et al. (1993)	?	
dibromochloromethane	8.6×10^{-3}	5500	Sander et al. (2011)	L	
$CHClBr_2$	8.6×10^{-3}	5500	Sander et al. (2006)	L	
[124-48-1]	8.7×10^{-3}	4400	Fogg and Sangster (2003)	L	
	8.6×10^{-3}	5500	Staudinger and Roberts (2001)	L	
	8.5×10^{-3}	5500	Staudinger and Roberts (1996)	L	
	1.1×10^{-2}	5300	Hiatt (2013)	M	
	4.6×10^{-3}		Zhang et al. (2002)	M	20
	9.8×10^{-3}	5100	Kondoh and Nakajima (1997)	M	
	7.2×10^{-3}	5200	Moore et al. (1995)	M	130
	9.3×10^{-3}	4600	Tse et al. (1992)	M	
	8.5×10^{-3}	6400	Ashworth et al. (1988)	M	109
	8.6×10^{-3}	5200	Nicholson et al. (1984)	M	
	8.5×10^{-3}	5000	Ervin et al. (1980)	M	
	1.3×10^{-2}		Warner et al. (1980)	M	
	1.2×10^{-2}		Mackay et al. (2006b)	V	
	1.2×10^{-2}		Goldstein (1982)	X	158
	1.2×10^{-2}	2500	Goldstein (1982)	X	122
	1.2×10^{-2}		Nicholson et al. (1984)	C	
	1.1×10^{-2}		Nicholson et al. (1984)	C	9
	5.4×10^{-3}		Hilal et al. (2008)	Q	
		4800	Kühne et al. (2005)	Q	
		4600	Kühne et al. (2005)	?	
	1.2×10^{-2}		Mackay et al. (1993)	?	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-chloro-2-bromoethane	1.1×10^{-2}		Hine and Mookerjee (1975)	V	
C_2H_4BrCl	1.8×10^{-2}		Hilal et al. (2008)	Q	
[107-04-0]	3.7×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
1,2-dibromo-3-chloropropane	9.7×10^{-2}	7100	Hiatt (2013)	M	
$C_3H_5Br_2Cl$	5.0×10^{-1}	10000	Kondoh and Nakajima (1997)	M	
[96-12-8]	6.7×10^{-2}		Meylan and Howard (1991)	V	
	9.0×10^{-2}		Hilal et al. (2008)	Q	
	1.6×10^{-2}		Meylan and Howard (1991)	Q	
1,2,3,4,5-pentabromo-6-chlorocyclohexane	1.0×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_6H_6Br_5Cl$	1.1×10^{2}		Zhang et al. (2010)	Q	113, 115
[87-84-3]	1.8×10^{3}		Zhang et al. (2010)	Q	113, 116
	1.2×10^{1}		Zhang et al. (2010)	Q	113, 117
1,2,3,4-tetrabromo-5,6-dichlorocyclohexane	3.4		Zhang et al. (2010)	Q	113, 114
$C_6H_6Br_4Cl_2$	6.2×10^{1}		Zhang et al. (2010)	Q	113, 115
	9.9×10^{2}		Zhang et al. (2010)	Q	113, 116
	6.2		Zhang et al. (2010)	Q	113, 117
1,2,3-tribromo-4,5,6-trichlorocyclohexane	1.1		Zhang et al. (2010)	Q	113, 114
$C_6H_6Br_3Cl_3$	3.6×10^{1}		Zhang et al. (2010)	Q	113, 115
	4.1×10^{2}		Zhang et al. (2010)	Q	113, 116
	3.0		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-bromo-4-chlorobenzene	6.8×10^{-3}		Mackay and Shiu (1981)	V	
C_6H_4BrCl	9.0×10^{-3}		Hilal et al. (2008)	Q	
[106-39-8]					
2-bromo-4-chloro-1-methoxybenzene C_7H_6BrClO (2-bromo-4-chloroanisole) [60633-25-2]	4.5×10^{-1}		Pfeifer et al. (2001)	M	
2-bromo-6-chloro-1-methoxybenzene C_7H_6BrClO (2-bromo-6-chloroanisole) [174913-10-1]	3.4×10^{-1}		Pfeifer et al. (2001)	M	
4-bromo-2-chloro-1-methoxybenzene C_7H_6BrClO (4-bromo-2-chloroanisole) [50638-47-6]	3.1×10^{-1}		Pfeifer et al. (2001)	M	
2-bromo-3,5-dichloro-1-methoxybenzene $C_7H_5BrCl_2O$ (2-bromo-3,5-dichloroanisole)	2.7×10^{-1}		Pfeifer et al. (2001)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-bromo-4,6-dichloro-1-methoxybenzene $C_7H_5BrCl_2O$ (2-bromo-4,6-dichloroanisole) [60633-26-3]	3.0×10^{-1}		Pfeifer et al. (2001)	M	
4-bromo-2,3-dichloro-1-methoxybenzene $C_7H_5BrCl_2O$ (4-bromo-2,3-dichloroanisole) [109803-52-3]	2.7×10^{-1}		Pfeifer et al. (2001)	M	
4-bromo-2,6-dichloro-1-methoxybenzene $C_7H_5BrCl_2O$ (4-bromo-2,6-dichloroanisole) [19240-91-6]	3.0×10^{-1}		Pfeifer et al. (2001)	M	
4-bromo-3,5-dichloro-1-methoxybenzene $C_7H_5BrCl_2O$ (4-bromo-3,5-dichloroanisole)	2.7×10^{-1}		Pfeifer et al. (2001)	M	
5-bromo-2,4-dichloro-1-methoxybenzene $C_7H_5BrCl_2O$ (5-bromo-2,4-dichloroanisole)	2.7×10^{-1}		Pfeifer et al. (2001)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
6-bromo-2,3-dichloro-1-methoxybenzene $C_7H_5BrCl_2O$ (6-bromo-2,3-dichloroanisole)	2.7×10^{-1}		Pfeifer et al. (2001)	M	
2-bromo-3,4,5-trichloro-1-methoxybenzene $C_7H_4BrCl_3O$ (2-bromo-3,4,5-trichloroanisole)	2.4×10^{-1}		Pfeifer et al. (2001)	M	
3-bromo-2,4,6-trichloro-1-methoxybenzene $C_7H_4BrCl_3O$ (3-bromo-2,4,6-trichloroanisole) [174913-28-1]	2.6×10^{-1}		Pfeifer et al. (2001)	M	
3-bromo-2,5,6-trichloro-1-methoxybenzene $C_7H_4BrCl_3O$ (3-bromo-2,5,6-trichloroanisole) [78647-93-5]	2.6×10^{-1}		Pfeifer et al. (2001)	M	
4-bromo-2,3,6-trichloro-1-methoxybenzene $C_7H_4BrCl_3O$ (4-bromo-2,3,6-trichloroanisole) [78647-87-7]	2.6×10^{-1}		Pfeifer et al. (2001)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
6-bromo-2,3,4-trichloro-1-methoxybenzene $C_7H_4BrCl_3O$ (6-bromo-2,3,4-trichloroanisole)	2.6×10^{-1}		Pfeifer et al. (2001)	M	
4-bromo-2,3,5,6-tetrachloro-1-methoxybenzene $C_7H_3BrCl_4O$ (4-bromo-2,3,5,6-tetrachloroanisole) [174913-33-8]	2.3×10^{-1}		Pfeifer et al. (2001)	M	
2,6-dibromo-4-chloro-1-methoxybenzene $C_7H_5Br_2ClO$ (2,6-dibromo-4-chloroanisole) [174913-44-1]	2.8×10^{-1}		Pfeifer et al. (2001)	M	
2,4-dibromo-3,5-dichloro-1-methoxybenzene $C_7H_4Br_2Cl_2O$ (2,4-dibromo-3,5-dichloroanisole) [174913-52-1]	2.3×10^{-1}		Pfeifer et al. (2001)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,4-dibromo-5,6-dichloro-1-methoxybenzene $C_7H_4Br_2Cl_2O$ (2,4-dibromo-5,6-dichloroanisole)	2.4×10^{-1}		Pfeifer et al. (2001)	M	
2,3-dibromo-5,6-dichloro-1-methoxybenzene $C_7H_4Br_2Cl_2O$ (2,3-dibromo-5,6-dichloroanisole)	2.3×10^{-1}		Pfeifer et al. (2001)	M	
2,6-dibromo-3,4,5-trichloro-1-methoxybenzene $C_7H_3Br_2Cl_3O$ (2,6-dibromo-3,4,5-trichloroanisole)	2.1×10^{-1}		Pfeifer et al. (2001)	M	
2,4,6-tribromo-3-chloro-1-methoxybenzene $C_7H_4Br_3ClO$ (2,4,6-tribromo-3-chloroanisole) [174913-78-1]	2.3×10^{-1}		Pfeifer et al. (2001)	M	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2',4',5',7'-tetrabromo-3,4,5,6-tetrachlorofluorescein	1.5×10^{13}		Zhang et al. (2010)	Q	113, 114
$C_{20}H_4Br_4Cl_4O_5$	1.9×10^{8}		Zhang et al. (2010)	Q	113, 115
[13473-26-2]	8.0×10^{10}		Zhang et al. (2010)	Q	113, 116
	2.2×10^{8}		Zhang et al. (2010)	Q	113, 117
N,N'-dimethyl-3,3',4-tribromo-4,5,5'-trichloro-2,2'-bipyrrole	7.1		Tittlemier et al. (2004)	V	
$C_{10}H_6Br_3Cl_3N_2$ (DBP-Br3Cl3a) [400766-93-0]	9.5		Hilal et al. (2008)	Q	
N,N'-dimethyl-3,4,4'-tribromo-3',5,5'-trichloro-2,2'-bipyrrole	3.3×10^{1}		Tittlemier et al. (2004)	V	
$C_{10}H_6Br_3Cl_3N_2$ (DBP-Br3Cl3b) [666856-68-4]	9.5		Hilal et al. (2008)	Q	
N,N'-dimethyl-3,3',4,4'-tetrabromo-5,5'-dichloro-2,2'-bipyrrole	2.8×10^{1}		Tittlemier et al. (2004)	V	
$C_{10}H_6Br_4Cl_2N_2$ (DBP-Br4Cl2) [253798-64-0]	1.8×10^{1}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
N,N'-dimethyl-3,3',4,4',5-pentabromo-5'-chloro-2,2'-bipyrrole	1.5×10^{2}		Tittlemier et al. (2004)	V	
$C_{10}H_6Br_5ClN_2$ (DBP-Br5Cl) [400767-00-2]	3.0×10^{1}		Hilal et al. (2008)	Q	
3-(4-bromo-3-chlorophenyl)-1-methoxy-1-methylurea $C_9H_{10}BrClN_2O_2$ (chlorbromuron) [13360-45-7]	3.2×10^{3}		Mackay et al. (2006d)	V	
N-(4-bromo-2,6-dichloro-3-methylphenyl)acetamide	6.7×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_9H_8BrCl_2NO$	6.2×10^{2}		Zhang et al. (2010)	Q	113, 115
[68399-95-1]	2.1×10^{4}		Zhang et al. (2010)	Q	113, 116
	6.5×10^{3}		Zhang et al. (2010)	Q	113, 117
5,7-dibromo-2-(5-bromo-7-chloro-1,3-dihydro-3-oxo-2H-indol-2-ylidene)-1,2-dihydro-3H-indol-3-one	4.2×10^{9}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_6Br_3ClN_2O_2$	3.3×10^{15}		Zhang et al. (2010)	Q	113, 115
[85702-64-3]	2.4×10^{5}		Zhang et al. (2010)	Q	113, 116
	8.8×10^{9}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
tribromofluoromethane CBr_3F [353-54-8]	1.5×10^{-3}		Fogg and Sangster (2003)	V	
bromochlorodifluoromethane	3.6×10^{-5}		Hilal et al. (2008)	Q	
$CBrClF_2$	6.0×10^{-5}		Yaws (1999)	?	
[353-59-3]					
1-bromo-1-chloro-2,2,2-trifluoroethane	5.6×10^{-4}	4700	Fogg and Sangster (2003)	L	
$C_2HBrClF_3$	3.1×10^{-4}		Steward et al. (1973)	L	20
(halothane)	2.8×10^{-4}		Guitart et al. (1989)	M	20
[151-67-7]	3.3×10^{-4}		Lerman et al. (1983)	M	20
	5.3×10^{-4}	5000	Smith et al. (1981b)	M	
	3.2×10^{-4}		Stoelting and Longshore (1972)	M	20
	8.8×10^{-4}		Hilal et al. (2008)	Q	
		4100	Kühne et al. (2005)	Q	
		5000	Kühne et al. (2005)	?	
	4.8×10^{-4}		Abraham et al. (1990)	?	

Organic species with iodine (I)

Iodocarbons (C, H, O, Cl, I)

iodomethane	2.0×10^{-3}	3600	Sander et al. (2011)	L	
CH_3I	2.0×10^{-3}	3600	Sander et al. (2006)	L	
(methyl iodide)	2.0×10^{-3}	3600	Staudinger and Roberts (2001)	L	
[74-88-4]	1.8×10^{-3}	3200	Hiatt (2013)	M	
	1.9×10^{-3}		Gan and Yates (1996)	M	119
	1.4×10^{-3}	4600	Moore et al. (1995)	M	130
	2.0×10^{-3}	3700	Elliott and Rowland (1993)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.9×10^{-3}	3800	Hunter-Smith et al. (1983)	M	253
	2.0×10^{-3}	3100	Balls (1980)	M	
	1.8×10^{-3}	3000	Swain and Thornton (1962)	M	
	1.9×10^{-3}	3200	Glew and Moelwyn-Hughes (1953)	M	
	1.9×10^{-3}	3700	Rex (1906)	M	
	1.8×10^{-3}		Mackay et al. (2006b)	V	
	1.9×10^{-3}	3600	Fogg and Sangster (2003)	V	
	1.8×10^{-3}		Mackay et al. (1993)	V	
	1.8×10^{-3}		Abraham (1984)	V	
	1.8×10^{-3}		Hine and Mookerjee (1975)	V	
	1.7×10^{-3}		Liss and Slater (1974)	C	
	2.1×10^{-3}		Hilal et al. (2008)	Q	
		3800	Kühne et al. (2005)	Q	
	3.6×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
	1.8×10^{-3}		Mackay et al. (2006b)	?	
		3700	Kühne et al. (2005)	?	
	3.5×10^{-3}		Yaws (1999)	?	
	1.8×10^{-3}		Mackay et al. (1993)	?	
	3.5×10^{-3}		Yaws and Yang (1992)	?	98
diiodomethane	2.3×10^{-2}	5300	Moore et al. (1995)	M	130
CH_2I_2	3.2×10^{-2}		Mackay et al. (1993)	V	
[75-11-6]	7.3×10^{-2}		Hilal et al. (2008)	Q	
	2.9×10^{-2}		Yaws (1999)	?	
	2.8×10^{-2}		Yaws and Yang (1992)	?	98
	2.8×10^{-2}		Abraham et al. (1990)	?	

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
triiodomethane	6.2×10^{-3}		Fogg and Sangster (2003)	V	
CHI_3	1.3×10^{-3}		Hilal et al. (2008)	Q	
(iodoform)	3.4×10^{-3}		Yaws and Yang (1992)	?	98
[75-47-8]					
iodoethane	1.5×10^{-3}	4200	Fogg and Sangster (2003)	L	288
C_2H_5I	1.4×10^{-3}		Li et al. (1993)	M	
[75-03-6]	1.5×10^{-3}	4000	Rex (1906)	M	
	1.4×10^{-3}		Mackay et al. (2006b)	V	
	1.9×10^{-3}		Mackay et al. (1993)	V	
	1.4×10^{-3}		Abraham (1984)	V	
	1.4×10^{-3}		Hine and Mookerjee (1975)	V	
	1.9×10^{-3}		Hilal et al. (2008)	Q	
		4200	Kühne et al. (2005)	Q	
	1.2×10^{-3}		Nirmalakhandan and Speece (1988a)	Q	
		4100	Kühne et al. (2005)	?	
	1.8×10^{-3}		Yaws and Yang (1992)	?	98, 9
	1.4×10^{-3}		Abraham et al. (1990)	?	
1-iodopropane	1.1×10^{-3}		Li et al. (1993)	M	
C_3H_7I	1.0×10^{-3}	4600	Rex (1906)	M	
[107-08-4]	1.1×10^{-3}		Mackay et al. (2006b)	V	
	1.1×10^{-3}		Mackay et al. (1993)	V	
	9.9×10^{-4}		Abraham (1984)	V	
	1.1×10^{-3}		Hine and Mookerjee (1975)	V	
	1.6×10^{-3}		Hilal et al. (2008)	Q	
		4500	Kühne et al. (2005)	Q	
	9.5×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
		4500	Kühne et al. (2005)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.2×10^{-3}		Yaws and Yang (1992)	?	98, 28
	9.9×10^{-4}		Abraham et al. (1990)	?	
2-iodopropane	8.5×10^{-4}	4500	Rex (1906)	M	
C_3H_7I	8.8×10^{-4}		Hine and Mookerjee (1975)	V	
[75-30-9]	7.9×10^{-4}		Hilal et al. (2008)	Q	
		4500	Kühne et al. (2005)	Q	
	5.4×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
		4700	Kühne et al. (2005)	?	
	1.1×10^{-3}		Yaws and Yang (1992)	?	98, 9
1-iodobutane	5.4×10^{-4}		Mackay et al. (2006b)	V	
C_4H_9I	5.4×10^{-4}		Mackay et al. (1993)	V	
[542-69-8]	6.1×10^{-4}		Abraham (1984)	V	
	6.2×10^{-4}		Hine and Mookerjee (1975)	V	
	1.2×10^{-3}		Hilal et al. (2008)	Q	
	7.5×10^{-4}		Nirmalakhandan and Speece (1988a)	Q	
	6.1×10^{-4}		Abraham et al. (1990)	?	
2-iodobutane C_4H_9I [513-48-4]	7.0×10^{-4}		Hilal et al. (2008)	Q	
1-iodopentane	9.9×10^{-4}		Hilal et al. (2008)	Q	
$C_5H_{11}I$	5.7×10^{-4}		Nirmalakhandan et al. (1997)	Q	
[628-17-1]	5.1×10^{-4}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-iodohexane	8.2×10^{-4}		Hilal et al. (2008)	Q	
$C_6H_{13}I$	4.5×10^{-4}		Nirmalakhandan et al. (1997)	Q	
[638-45-9]	3.5×10^{-4}		Abraham et al. (1990)	?	
1-iodoheptane	2.6×10^{-4}		Abraham (1984)	V	
$C_7H_{15}I$	6.7×10^{-4}		Hilal et al. (2008)	Q	
[4282-40-0]	3.5×10^{-4}		Nirmalakhandan et al. (1997)	Q	
	2.5×10^{-4}		Abraham et al. (1990)	?	
iodocyclohexane $C_6H_{11}I$ [626-62-0]	3.9×10^{-3}		Hilal et al. (2008)	Q	
3-iodo-1-propene C_3H_5I [556-56-9]	3.8×10^{-3}		Hilal et al. (2008)	Q	
1-iodocyclohexene C_6H_9I [17497-53-9]	4.1×10^{-3}		Hilal et al. (2008)	Q	
iodobenzene	7.7×10^{-3}		Mackay and Shiu (1981)	L	
C_6H_5I	7.6×10^{-3}		Li and Carr (1993)	M	
[591-50-4]	7.9×10^{-3}		Schüürmann (2000)	V	
	1.3×10^{-2}		Mackay et al. (1993)	V	
	1.4×10^{-2}		Hilal et al. (2008)	Q	
	3.8×10^{-3}		Nirmalakhandan et al. (1997)	Q	
	7.4×10^{-3}		Yaws and Yang (1992)	?	98
	7.7×10^{-3}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-iodophenol	1.4×10^{1}		Abraham et al. (1994)	R	
C_6H_5IO	6.9		Hilal et al. (2008)	Q	
[533-58-4]	1.6×10^{2}		Nirmalakhandan et al. (1997)	Q	
3-iodophenol C_6H_5IO [626-02-8]	7.0×10^{1}		Hilal et al. (2008)	Q	
4-iodophenol C_6H_5IO [540-38-5]	4.6×10^{1}		Hilal et al. (2008)	Q	
erythrosine	3.9×10^{13}		Zhang et al. (2010)	Q	113, 114
$C_{20}H_8I_4O_5$	2.3×10^{8}		Zhang et al. (2010)	Q	113, 115
[16423-68-0]	8.6×10^{10}		Zhang et al. (2010)	Q	113, 116
	5.1×10^{9}		Zhang et al. (2010)	Q	113, 117
4-hydroxy-3,5-diiodo-benzonitrile $C_7H_3I_2NO$ [1689-83-4]	1.3×10^{2}		Mackay et al. (2006d)	V	
diatrizoic acid	3.5×10^{12}		Zhang et al. (2010)	Q	113, 114
$C_{11}H_9I_3N_2O_4$	5.4×10^{8}		Zhang et al. (2010)	Q	113, 115
[117-96-4]	1.2×10^{17}		Zhang et al. (2010)	Q	113, 116
	3.3×10^{16}		Zhang et al. (2010)	Q	113, 117
iothalamic acid	4.4×10^{12}		Zhang et al. (2010)	Q	113, 114
$C_{11}H_9I_3N_2O_4$	4.8×10^{9}		Zhang et al. (2010)	Q	113, 115
[2276-90-6]	4.2×10^{16}		Zhang et al. (2010)	Q	113, 116
	1.9×10^{16}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
benodanil $C_{13}H_{10}INO$ [15310-01-7]	6.2×10^{5}		Mackay et al. (2006d)	V	
ioxaglic acid	2.7×10^{35}		Zhang et al. (2010)	Q	113, 114
$C_{24}H_{21}I_6N_5O_8$	1.4×10^{27}		Zhang et al. (2010)	Q	113, 115
[59017-64-0]	2.0×10^{29}		Zhang et al. (2010)	Q	113, 116
	7.2×10^{38}		Zhang et al. (2010)	Q	113, 117
1,1,1,2,2,3,3-heptafluoro-5-iodopentane	4.6×10^{-6}		Zhang et al. (2010)	Q	113, 114
$C_5H_4F_7I$	1.2×10^{-4}		Zhang et al. (2010)	Q	113, 115
[68188-12-5]	3.8×10^{-4}		Zhang et al. (2010)	Q	113, 116
	5.0×10^{-6}		Zhang et al. (2010)	Q	113, 117
5-diethylamiloride	8.8×10^{-7}		Zhang et al. (2010)	Q	113, 114
$C_6H_4F_9I$	5.6×10^{-5}		Zhang et al. (2010)	Q	113, 115
[2043-55-2]	1.9×10^{-4}		Zhang et al. (2010)	Q	113, 116
	1.0×10^{-6}		Zhang et al. (2010)	Q	113, 117
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodooctane	3.2×10^{-8}		Zhang et al. (2010)	Q	113, 114
$C_8H_4F_{13}I$	3.4×10^{-6}		Zhang et al. (2010)	Q	113, 115
[2043-57-4]	5.4×10^{-5}		Zhang et al. (2010)	Q	113, 116
	4.3×10^{-8}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iododecane	1.2×10^{-9}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_4F_{17}I$	7.7×10^{-8}		Zhang et al. (2010)	Q	113, 115
[2043-53-0]	2.0×10^{-5}		Zhang et al. (2010)	Q	113, 116
	2.3×10^{-9}		Zhang et al. (2010)	Q	113, 117
chloroiodomethane	8.8×10^{-3}	4600	Moore et al. (1995)	M	130
CH_2ClI	2.0×10^{-2}		Hilal et al. (2008)	Q	
[593-71-5]					
Organic species with sulfur (S)					
Sulfur (C, H, O, N, Cl, S)					
methanethiol	3.8×10^{-3}	3400	Sander et al. (2011)	L	
CH_3SH	3.8×10^{-3}	3400	Sander et al. (2006)	L	
(methyl mercaptan)	2.8×10^{-3}	3100	Staudinger and Roberts (2001)	L	
[74-93-1]	2.0×10^{-3}	2800	De Bruyn et al. (1995b)	M	
	3.9×10^{-3}	3400	Przyjazny et al. (1983)	M	
	3.3×10^{-3}		Hine and Weimar (1965)	M	
	3.3×10^{-3}		Hine and Mookerjee (1975)	V	
	2.6×10^{-3}	1600	Goldstein (1982)	X	122
	3.5×10^{-3}		Hilal et al. (2008)	Q	
		3300	Kühne et al. (2005)	Q	
	2.9×10^{-3}		Nirmalakhandan et al. (1997)	Q	
		3400	Kühne et al. (2005)	?	
	5.1×10^{-3}		Yaws (1999)	?	
	4.0×10^{-3}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
ethanethiol	2.8×10^{-3}	3700	Sander et al. (2011)	L	
C_2H_5SH	2.8×10^{-3}	3700	Sander et al. (2006)	L	
(ethyl mercaptan)	2.8×10^{-3}	3700	Przyjazny et al. (1983)	M	
[75-08-1]	2.2×10^{-3}		Vitenberg et al. (1975)	M	
	3.4×10^{-3}		Mackay et al. (2006d)	V	
	3.4×10^{-3}		Mackay et al. (1995)	V	
	3.4×10^{-3}		Hwang et al. (1992)	V	
	3.6×10^{-3}		Hine and Mookerjee (1975)	V	
	3.9×10^{-3}		Hilal et al. (2008)	Q	
		3600	Kühne et al. (2005)	Q	
	1.9×10^{-3}		Nirmalakhandan et al. (1997)	Q	
		3700	Kühne et al. (2005)	?	
	3.4×10^{-3}		Yaws and Yang (1992)	?	98
	2.8×10^{-3}		Abraham et al. (1990)	?	
1-propanethiol	1.7×10^{-3}	3100	Coquelet and Richon (2005)	M	
C_3H_7SH	2.4×10^{-3}	3900	Przyjazny et al. (1983)	M	
(propyl mercaptan)	3.4×10^{-3}		Hilal et al. (2008)	Q	
[107-03-9]		4000	Kühne et al. (2005)	Q	
	1.5×10^{-3}		Nirmalakhandan et al. (1997)	Q	
		3800	Kühne et al. (2005)	?	
	2.4×10^{-3}		Abraham et al. (1990)	?	
2-propanethiol C_3H_8S [75-33-2]	2.1×10^{-3}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-butanethiol	1.5×10^{-3}	3600	Coquelet and Richon (2005)	M	
C_4H_9SH	2.2×10^{-3}	4100	Przyjazny et al. (1983)	M	
(butyl mercaptan)	1.1×10^{-3}		Mackay et al. (2006d)	V	
[109-79-5]	1.1×10^{-3}		Mackay et al. (1995)	V	
	1.4×10^{-3}		Hwang et al. (1992)	V	
	2.7×10^{-3}		Hilal et al. (2008)	Q	
		4300	Kühne et al. (2005)	Q	
	1.2×10^{-3}		Nirmalakhandan et al. (1997)	Q	
		4200	Kühne et al. (2005)	?	
	1.1×10^{-3}		Yaws and Yang (1992)	?	98
	2.2×10^{-3}		Abraham et al. (1990)	?	
2-methyl-1-propanethiol $C_4H_{10}S$ [513-44-0]	2.4×10^{-3}		Hilal et al. (2008)	Q	
2-methyl-2-propanethiol $C_4H_{10}S$ [75-66-1]	6.1×10^{-4}		Hilal et al. (2008)	Q	
1-pentanethiol	7.3×10^{-4}		Amoore and Buttery (1978)	V	
$C_5H_{11}SH$ (pentyl mercaptan) [110-66-7]	2.3×10^{-3}		Hilal et al. (2008)	Q	
1-hexanethiol $C_6H_{14}S$ [111-31-9]	1.9×10^{-3}		Hilal et al. (2008)	Q	
1-heptanethiol $C_7H_{16}S$ [1639-09-4]	2.7×10^{-3}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1-octanethiol $C_8H_{18}S$ [111-88-6]	1.3×10^{-3}		Hilal et al. (2008)	Q	
1-nonanethiol $C_9H_{20}S$ [1455-21-6]	1.2×10^{-3}		Hilal et al. (2008)	Q	
1-decanethiol $C_{10}H_{22}S$ [143-10-2]	9.9×10^{-4}		Hilal et al. (2008)	Q	
dimethyl sulfide CH_3SCH_3 (DMS) [75-18-3]	5.6×10^{-3}	3500	Warneck and Williams (2012)	L	
	5.3×10^{-3}	3500	Sander et al. (2011)	L	
	5.3×10^{-3}	3500	Sander et al. (2006)	L	
	5.2×10^{-3}	3600	Fogg and Sangster (2003)	L	
	5.3×10^{-3}	3500	Staudinger and Roberts (2001)	L	
	4.6×10^{-3}		Schuhfried et al. (2011)	M	
	5.2×10^{-3}	3600	Coquelet and Richon (2005)	M	
	5.5×10^{-3}	3800	Iliuta and Larachi (2005)	M	
	4.9×10^{-3}		Straver and de Loos (2005)	M	
	6.4×10^{-3}	4100	Barcellos da Rosa et al. (2003)	M	
	4.9×10^{-3}		Pollien et al. (2003)	M	
	4.7×10^{-3}	3700	Gershenzon et al. (2001)	M	
	1.6×10^{-2}		Marin et al. (1999)	M	
	4.2×10^{-3}	4300	Wong and Wang (1997)	M	
	4.7×10^{-3}	3100	De Bruyn et al. (1995b)	M	
	5.5×10^{-3}	3500	Dacey et al. (1984)	M	
	5.6×10^{-3}	4000	Przyjazny et al. (1983)	M	
	6.1×10^{-3}		Vitenberg et al. (1975)	M	9
	1.6×10^{-3}		Lovelock et al. (1972)	M	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
			Mackay et al. (2006d)	V	226
	4.2×10^{-3}		Marin et al. (1999)	V	
	1.3×10^{-1}		Mackay et al. (1995)	V	
	5.4×10^{-3}		Hine and Mookerjee (1975)	V	
	5.5×10^{-3}		Hine and Weimar (1965)	V	
	7.0×10^{-3}		Vitenberg et al. (1975)	R	9
	6.0×10^{-3}	3700	Bagno et al. (1991)	T	199
	6.1×10^{-3}		Gaffney and Senum (1984)	X	151
	4.4×10^{-3}		Cline and Bates (1983)	C	130
	1.2×10^{-2}		Hilal et al. (2008)	Q	
	7.2×10^{-3}		Hertel et al. (2007)	Q	198
		3100	Kühne et al. (2005)	Q	
	5.0×10^{-3}		Marin et al. (1999)	Q	
	6.5×10^{-3}		Nirmalakhandan et al. (1997)	Q	
		3500	Kühne et al. (2005)	?	
	1.7×10^{-3}		Abraham et al. (1990)	?	
ethyl methyl sulfide C_3H_8S [624-89-5]	4.2×10^{-3}		Schuhfried et al. (2011)	M	
	5.1×10^{-3}		Bagno et al. (1991)	T	199
	8.6×10^{-3}		Hilal et al. (2008)	Q	
	4.4×10^{-3}		Nirmalakhandan et al. (1997)	Q	
diethyl sulfide $C_2H_5SC_2H_5$ [352-93-2]	3.5×10^{-3}		Schuhfried et al. (2011)	M	
	5.4×10^{-3}	4900	Przyjazny et al. (1983)	M	
	5.1×10^{-1}		Mackay et al. (2006d)	V	
	4.5×10^{-3}		Hine and Mookerjee (1975)	V	
	6.0×10^{-3}		Hilal et al. (2008)	Q	
	2.9×10^{-3}		Nirmalakhandan et al. (1997)	Q	
	5.7×10^{-3}		Yaws and Yang (1992)	?	98, 9
	4.7×10^{-3}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
dipropyl sulfide	3.3×10^{-3}	4500	Przyjazny et al. (1983)	M	
$C_3H_7SC_3H_7$	3.4×10^{-3}		Hilal et al. (2008)	Q	
[111-47-7]		4500	Kühne et al. (2005)	Q	
	1.8×10^{-3}		Nirmalakhandan et al. (1997)	Q	
		4500	Kühne et al. (2005)	?	
	3.5×10^{-3}		Abraham et al. (1990)	?	
di-(2-propyl)-sulfide	3.0×10^{-3}	5000	Przyjazny et al. (1983)	M	
$(C_3H_7)_2S$	1.6×10^{-3}		Hilal et al. (2008)	Q	
(diisopropyl sulfide)		4500	Kühne et al. (2005)	Q	
[625-80-9]	1.2×10^{-3}		Nirmalakhandan et al. (1997)	Q	
		4200	Kühne et al. (2005)	?	
	3.1×10^{-3}		Abraham et al. (1990)	?	
allyl methyl sulfide	4.2×10^{-3}		Schuhfried et al. (2011)	M	
C_4H_8S					
[10152-76-8]					
dimethyl disulfide	5.8×10^{-3}		Schuhfried et al. (2011)	M	
CH_3SSCH_3	5.9×10^{-3}		Pollien et al. (2003)	M	
[624-92-0]	9.4×10^{-3}	4300	Przyjazny et al. (1983)	M	
	8.3×10^{-3}		Vitenberg et al. (1975)	M	9
	1.7×10^{-2}		Mackay et al. (2006d)	V	
	1.7×10^{-2}		Mackay et al. (1995)	V	
	9.0×10^{-3}		Vitenberg et al. (1975)	R	9
	3.0×10^{-2}		Hilal et al. (2008)	Q	
		1700	Kühne et al. (2005)	Q	
	4.6×10^{-3}		Nirmalakhandan et al. (1997)	Q	
		1600	Kühne et al. (2005)	?	
	9.0×10^{-3}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
diethyl disulfide	3.7×10^{-3}		Schuhfried et al. (2011)	M	
$C_2H_5SSC_2H_5$	6.3×10^{-3}	4300	Przyjazny et al. (1983)	M	
[110-81-6]	4.7×10^{-3}		Vitenberg et al. (1975)	M	9
	1.2×10^{-2}		Hilal et al. (2008)	Q	
	2.3×10^{-3}		Nirmalakhandan et al. (1997)	Q	
	6.4×10^{-3}		Abraham et al. (1990)	?	
dipropyl disulfide	2.4×10^{-3}		Schuhfried et al. (2011)	M	
$C_3H_7SSC_3H_7$					
[629-19-6]					
carbon disulfide	6.1×10^{-4}	3900	Warneck and Williams (2012)	L	
CS_2	6.1×10^{-4}	4300	Sander et al. (2011)	L	
[75-15-0]	6.1×10^{-4}	4300	Sander et al. (2006)	L	
	5.7×10^{-4}	3800	Hiatt (2013)	M	
	5.4×10^{-4}	2800	De Bruyn et al. (1995b)	M	
	6.2×10^{-4}	3800	Elliott (1989)	M	
	5.4×10^{-4}	4300	Rex (1906)	M	
	5.7×10^{-4}		Mackay et al. (2006d)	V	
	5.7×10^{-4}		Mackay et al. (1995)	V	
	8.0×10^{-4}		Hwang et al. (1992)	V	
	4.5×10^{-4}	4100	Winkler (1906)	V	
	7.5×10^{-4}	1200	Goldstein (1982)	X	122
	9.4×10^{-5}		Yaws (1999)	?	
	5.1×10^{-4}		Yaws and Yang (1992)	?	98
			Kruis and May (1962)	?	289
			Booth and Jolley (1943)	?	290
			Booth and Jolley (1943)	?	291

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2,3,4-trithiapentane $C_2H_6S_3$ (dimethyltrisulfide) [3658-80-8]	2.1×10^{-2}		Roberts and Pollien (1997)	M	
5-propyl-5-nonanethiol	1.7×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{26}S$	5.8×10^{-4}		Zhang et al. (2010)	Q	113, 115
	2.4×10^{-3}		Zhang et al. (2010)	Q	113, 116
	9.7×10^{-5}		Zhang et al. (2010)	Q	113, 117
allyl mercaptan C_3H_6S [870-23-5]	1.2×10^{-2}		Hilal et al. (2008)	Q	
3,3'-thiobis-1-propene	4.1×10^{-3}		Lindinger et al. (1998)	M	292
$(C_3H_5)_2S$ (diallyl sulfide) [592-88-1]	9.9×10^{-3}		Hilal et al. (2008)	Q	
thiophene	4.4×10^{-3}	4000	Przyjazny et al. (1983)	M	
C_4H_4S			Mackay et al. (2006d)	V	226
[110-02-1]	4.5×10^{-3}		Mackay et al. (1995)	V	
	1.4×10^{-3}		Hilal et al. (2008)	Q	
		2800	Kühne et al. (2005)	Q	
	4.5×10^{-3}		Mackay et al. (2006d)	?	
		1900	Kühne et al. (2005)	?	
	3.4×10^{-3}		Yaws and Yang (1992)	?	98
	4.4×10^{-3}		Abraham et al. (1990)	?	
2-methylthiophene	4.1×10^{-3}	4300	Przyjazny et al. (1983)	M	
$CH_3C_4H_3S$	1.4×10^{-3}		Hilal et al. (2008)	Q	
[554-14-3]	4.1×10^{-3}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3-methylthiophene $CH_3C_4H_3S$ [616-44-4]	1.7×10^{-3}		Hilal et al. (2008)	Q	
benzenethiol	3.0×10^{-2}		Hine and Mookerjee (1975)	V	
C_6H_5SH	3.0×10^{-2}		Hine and Weimar (1965)	V	
(thiophenol)	3.0×10^{-2}		Schüürmann (2000)	C	11
[108-98-5]	4.1×10^{-2}		Hilal et al. (2008)	Q	
	1.0×10^{-2}		Nirmalakhandan et al. (1997)	Q	
	3.0×10^{-2}		Abraham et al. (1990)	?	
methyl phenyl sulfide	4.0×10^{-2}		Hine and Mookerjee (1975)	V	
$C_6H_5SCH_3$	4.1×10^{-2}		Hine and Weimar (1965)	V	
(thioanisole)	5.8×10^{-2}		Hilal et al. (2008)	Q	
[100-68-5]	2.3×10^{-2}		Nirmalakhandan et al. (1997)	Q	
benzo[*b*]thiophene			Mackay et al. (2006d)	V	226
C_8H_6S	4.1×10^{-2}		Mackay et al. (1995)	V	
[95-15-8]	3.6×10^{-2}		Smith and Bomberger (1980)	X	161
dibenzothiophene	2.3×10^{-2}		Mackay et al. (2006d)	V	
$C_{12}H_8S$	2.3×10^{-2}		Mackay et al. (1995)	V	
[132-65-0]					
dimethylsulfoxide	9.8×10^{2}		Sander et al. (2011)	L	
CH_3SOCH_3	9.8×10^{2}		Sander et al. (2006)	L	
(DMSO)			Lee and Zhou (1994)	M	293
[67-68-5]	9.4×10^{2}	1300	Watts and Brimblecombe (1987)	M	
	4.4		Mackay et al. (2006d)	V	
	4.4		Mackay et al. (1995)	V	
	1.0×10^{4}	8700	Bagno et al. (1991)	T	199

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.4×10^{1}		Gmehling et al. (1981)	X	21
	4.3×10^{3}		Hilal et al. (2008)	Q	
		3100	Kühne et al. (2005)	Q	
	6.7×10^{3}		Taft et al. (1985)	Q	
		4100	Kühne et al. (2005)	?	
			Fogg and Sangster (2003)	?	294
dimethylsulfone	5.0×10^{-3}		Mackay et al. (2006d)	V	
$CH_3SO_2CH_3$	5.0×10^{-3}		Mackay et al. (1995)	V	
(DMSO2)			De Bruyn et al. (1994)	E	295
[67-71-0]					
methanesulfonic acid			Brimblecombe and Clegg (1988)	T	39, 296
CH_3SO_3H					
(MSA)					
[75-75-2]					
sulfuric acid, dimethyl ester	6.9		Hilal et al. (2008)	Q	
$C_2H_6O_4S$					
[77-78-1]					
carbon oxide sulfide	2.1×10^{-4}	3300	Warneck and Williams (2012)	L	
OCS	2.0×10^{-4}	3500	Sander et al. (2011)	L	
(carbonyl sulfide)	2.0×10^{-4}	3500	Sander et al. (2006)	L	
[463-58-1]	2.1×10^{-4}	3000	Wilhelm et al. (1977)	L	
	2.2×10^{-4}	2100	De Bruyn et al. (1995b)	M	
	1.5×10^{-4}	3800	Johnson and Harrison (1986)	M	130
	2.4×10^{-4}		Stock and Kuß (1917)	M	
	2.1×10^{-4}	3300	Winkler (1906)	M	
	3.4×10^{-4}		Hempel (1901)	M	236
	1.5×10^{-4}	3500	Hoyt (1982)	X	297, 130

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	2.0×10^{-4}	3500	Winkler (1907)	X	298
	2.1×10^{-4}	3300	Winkler (1907)	X	299
		2900	Kühne et al. (2005)	Q	
		3300	Kühne et al. (2005)	?	
	2.0×10^{-4}		Yaws (1999)	?	
	1.9×10^{-4}		Yaws and Yang (1992)	?	98
1,1'-sulfonylbis(4-(1-methylethyl)-benzene	1.0×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{22}O_2S$	2.9×10^{3}		Zhang et al. (2010)	Q	113, 115
[57913-35-6]	6.7×10^{4}		Zhang et al. (2010)	Q	113, 116
	3.1×10^{2}		Zhang et al. (2010)	Q	113, 117
2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenol	4.5×10^{5}		Zhang et al. (2010)	Q	113, 114
$C_{28}H_{42}O_2S$	1.2×10^{4}		Zhang et al. (2010)	Q	113, 115
[3294-03-9]	2.2×10^{7}		Zhang et al. (2010)	Q	113, 116
	1.8×10^{5}		Zhang et al. (2010)	Q	113, 117
methyl isothiocyanate	1.7×10^{-1}		Sander et al. (2011)	L	
CH_3NCS	1.6×10^{-1}		Worthington and Wade (2007)	M	
[556-61-6]					
dazomet	4.6×10^{4}		Mackay et al. (2006d)	V	
$C_5H_{10}N_2S_2$					
[533-74-4]					
thiram	9.3×10^{1}		Mackay et al. (2006d)	V	
$C_6H_{12}N_2S_4$					
[137-26-8]					

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
aziprotryn $C_7H_{11}N_7S$ [4658-28-0]	4.0×10^{2}		Abraham et al. (2007)	Q	
benzothiazole C_7H_5NS [95-16-9]	2.7×10^{1}		Zhang et al. (2010)	Q	113, 114
	2.8		Zhang et al. (2010)	Q	113, 115
	1.1×10^{1}		Zhang et al. (2010)	Q	113, 116
	2.0		Zhang et al. (2010)	Q	113, 117
2-mercaptobenzothiazole $C_7H_5NS_2$ [149-30-4]	2.7×10^{2}		Zhang et al. (2010)	Q	113, 114
	2.8×10^{3}		Zhang et al. (2010)	Q	113, 115
	2.2×10^{2}		Zhang et al. (2010)	Q	113, 116
	2.1×10^{1}		Zhang et al. (2010)	Q	113, 117
simetryn $C_8H_{15}N_5S$ [1014-70-6]	2.2×10^{4}		Mackay et al. (2006d)	V	
	2.9×10^{4}		Hilal et al. (2008)	Q	
	1.0×10^{4}		Abraham et al. (2007)	Q	
desmetryn $C_8H_{15}N_5S$ [1014-69-3]	5.0×10^{7}		Delgado and Alderete (2003)	C	
	2.2×10^{4}		Hilal et al. (2008)	Q	
	2.0×10^{4}		Abraham et al. (2007)	Q	
	1.4×10^{9}		Delgado and Alderete (2003)	Q	
	3.9×10^{7}		Delgado and Alderete (2003)	Q	
ametryn $C_9H_{17}N_5S$ [834-12-8]	8.1×10^{3}		Mackay et al. (2006d)	V	
	8.3×10^{3}		Suntio et al. (1988)	V	9
	4.1×10^{3}		Delgado and Alderete (2003)	C	
	1.2×10^{4}		Hilal et al. (2008)	Q	
	5.1×10^{3}		Abraham et al. (2007)	Q	
	8.9×10^{7}		Delgado and Alderete (2003)	Q	
	1.1×10^{7}		Delgado and Alderete (2003)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
prometryn $C_{10}H_{19}N_5S$ [7287-19-6]	2.0×10^{3}		Mackay et al. (2006d)	V	
	2.0×10^{3}		Suntio et al. (1988)	V	9
	2.9×10^{6}		Delgado and Alderete (2003)	C	
	7.6×10^{2}		Delgado and Alderete (2003)	C	
	7.5×10^{2}		Hilal et al. (2008)	Q	
	2.5×10^{3}		Abraham et al. (2007)	Q	
	5.1×10^{6}		Delgado and Alderete (2003)	Q	
	1.4×10^{6}		Delgado and Alderete (2003)	Q	
terbutryn $C_{10}H_{19}N_5S$ [886-50-0]	7.0×10^{2}		Mackay et al. (2006d)	V	
	7.7×10^{2}		Suntio et al. (1988)	V	9
	1.2×10^{6}		Delgado and Alderete (2003)	C	
	8.7×10^{2}		Delgado and Alderete (2003)	C	
	4.5×10^{3}		Hilal et al. (2008)	Q	
	1.6×10^{3}		Abraham et al. (2007)	Q	
	5.1×10^{6}		Delgado and Alderete (2003)	Q	
	1.4×10^{6}		Delgado and Alderete (2003)	Q	
dimethametryn $C_{11}H_{21}N_5S$ [22936-75-0]	8.2×10^{3}		Hilal et al. (2008)	Q	
	1.0×10^{3}		Abraham et al. (2007)	Q	
dipropetryn $C_{11}H_{19}N_5S$ [4147-51-7]	6.0×10^{2}		Hilal et al. (2008)	Q	
	1.6×10^{3}		Abraham et al. (2007)	Q	
phenothiazine $C_{12}H_9NS$ [92-84-2]	3.5×10^{2}		Zhang et al. (2010)	Q	113, 114
	6.9×10^{2}		Zhang et al. (2010)	Q	113, 115
	9.7×10^{1}		Zhang et al. (2010)	Q	113, 116
	4.3×10^{2}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide	2.4×10^{8}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{17}N_3S_4$	1.7×10^{3}		Zhang et al. (2010)	Q	113, 115
[3741-80-8]	2.3×10^{3}		Zhang et al. (2010)	Q	113, 116
	3.9×10^{8}		Zhang et al. (2010)	Q	113, 117
methomyl	5.3×10^{4}		Mackay et al. (2006d)	V	
$C_5H_{10}N_2O_2S$	1.5×10^{4}		Suntio et al. (1988)	V	9
[16752-77-5]					
aldicarb	7.9×10^{3}		Mackay et al. (2006d)	V	
$C_7H_{14}N_2O_2S$	3.1×10^{3}		Suntio et al. (1988)	V	9
[116-06-3]	1.9		Suntio et al. (1988)	C	9
oxamyl	4.2×10^{4}		Mackay et al. (2006d)	V	
$C_7H_{13}N_3O_3S$	3.8×10^{3}		Suntio et al. (1988)	V	9
[23135-22-0]					
4-methylbenzenesulfonyl isocyanate	1.7×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_8H_7NO_3S$	3.2×10^{1}		Zhang et al. (2010)	Q	113, 115
[4083-64-1]	6.7		Zhang et al. (2010)	Q	113, 116
	4.0×10^{4}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
S-ethyl dipropylthiocarbamate	5.6×10^{-1}	9100	Reyes-Pérez et al. (2008)	M	
$C_9H_{19}NOS$	3.8×10^{-2}	4800	Breiter et al. (1998)	M	
(eptam; EPTC)	9.8×10^{-1}		Mackay et al. (2006d)	V	
[759-94-4]	4.2×10^{-1}		Breiter et al. (1998)	V	
	9.8×10^{-1}		Suntio et al. (1988)	V	9
	7.4×10^{-1}		Burkhard and Guth (1981)	V	
	8.2×10^{-1}		Hilal et al. (2008)	Q	
		4800	Kühne et al. (2005)	Q	
		4800	Kühne et al. (2005)	?	
molinate	7.7		Watanabe (1993)	M	
$C_9H_{17}NOS$	2.2		Sagebiel et al. (1992)	M	9
[2212-67-1]	1.7	7300	Sagebiel et al. (1992)	M	
	6.9		Mackay et al. (2006d)	V	
	1.1×10^{1}		Sagebiel et al. (1992)	V	9
	7.3		Hilal et al. (2008)	Q	
tricyclazole $C_9H_7N_3S$ [41814-78-2]	3.2×10^{5}		Mackay et al. (2006d)	V	
pebulate	3.8×10^{-1}		Mackay et al. (2006d)	V	
$C_{10}H_{21}NOS$	8.6×10^{-2}		Suntio et al. (1988)	V	9
[1114-71-2]	6.4×10^{-1}		Hilal et al. (2008)	Q	
vernolate	4.9×10^{-1}		Mackay et al. (2006d)	V	
$C_{10}H_{21}NOS$	4.9×10^{-1}		Suntio et al. (1988)	V	9
[1929-77-7]	6.5×10^{-1}		Hilal et al. (2008)	Q	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
thiodicarb $C_{10}H_{18}N_4O_4S_3$ [59669-26-0]	2.3×10^{1}		Mackay et al. (2006d)	V	
thiabendazole $C_{10}H_7N_3S$ [148-79-8]	4.7×10^{5}		Mackay et al. (2006d)	V	
butylate			Mackay et al. (2006d)	V	226
$C_{11}H_{23}NOS$	1.8		Suntio et al. (1988)	V	9
[2008-41-5]	5.8×10^{-1}		Hilal et al. (2008)	Q	
cycloate $C_{11}H_{21}NOS$ [1134-23-2]	3.7		Hilal et al. (2008)	Q	
methoprotryn	1.5×10^{5}		Hilal et al. (2008)	Q	
$C_{11}H_{21}N_5OS$ [841-06-5]	2.0×10^{5}		Abraham et al. (2007)	Q	
methiocarb $C_{11}H_{15}NO_2S$ [2032-65-7]	8.3		Mackay et al. (2006d)	V	
oryzalin $C_{12}H_{18}N_4O_6S$ [19044-88-3]	5.3×10^{3}		Mackay et al. (2006d)	V	
thiophanate-methyl $C_{12}H_{14}N_4O_4S_2$ [23564-05-8]	7.9×10^{2}		Mackay et al. (2006d)	V	
carboxin $C_{12}H_{13}NO_2S$ [5234-68-4]	6.4×10^{4}		Mackay et al. (2006d)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
oxycarboxin $C_{12}H_{13}NO_4S$ [5259-88-1]	2.8×10^{3}		Mackay et al. (2006d)	V	
bupirimate $C_{13}H_{24}N_4O_3S$ [41483-43-6]	1.0×10^{2}		Mackay et al. (2006d)	V	
nitralin	7.2×10^{-3}		Mackay et al. (2006d)	V	
$C_{13}H_{19}N_3O_6S$	7.2×10^{-3}		Suntio et al. (1988)	V	9
[4726-14-1]					
dithianone $C_{14}H_4N_2O_2S_2$ [3347-22-6]			Mackay et al. (2006d)	V	226
tinopal	1.2×10^{38}		Zhang et al. (2010)	Q	113, 114
$C_{40}H_{40}N_{12}O_8S_2$	1.4×10^{40}		Zhang et al. (2010)	Q	113, 115
[24231-46-7]	4.2×10^{26}		Zhang et al. (2010)	Q	113, 116
	2.2×10^{37}		Zhang et al. (2010)	Q	113, 117
3,3,4,4,4- pentafluorobutane- 1-thiol	5.2×10^{-5}		Zhang et al. (2010)	Q	113, 114
$C_4H_5F_5S$	1.4×10^{-3}		Zhang et al. (2010)	Q	113, 115
[68140-18-1]	1.5×10^{-3}		Zhang et al. (2010)	Q	113, 116
	1.2×10^{-5}		Zhang et al. (2010)	Q	113, 117

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
3,3,4,4,5,5,6,6,6-nonafluoro-1-hexanethiol	1.9×10^{-6}		Zhang et al. (2010)	Q	113, 114
$C_6H_5F_9S$	4.7×10^{-4}		Zhang et al. (2010)	Q	113, 115
[68140-20-5]	3.1×10^{-4}		Zhang et al. (2010)	Q	113, 116
	1.9×10^{-6}		Zhang et al. (2010)	Q	113, 117
3,3,4,4,5,5,7,7,8,8,9,9,10,10,10-pentadecafluoro-1-decanethiol	9.7×10^{-9}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_7F_{15}S$	6.5×10^{-6}		Zhang et al. (2010)	Q	113, 115
[68140-21-6]	8.6×10^{-4}		Zhang et al. (2010)	Q	113, 116
	1.3×10^{-8}		Zhang et al. (2010)	Q	113, 117
3,3,4,4,5,5-hexafluoro-1-(3,3,4,4,5,5-hexafluorohexyldisulfanyl)hexane	1.2×10^{-7}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{14}F_{12}S_2$	9.0×10^{-6}		Zhang et al. (2010)	Q	113, 115
[118400-71-8]	1.9×10^{-2}		Zhang et al. (2010)	Q	113, 116
	3.5×10^{-7}		Zhang et al. (2010)	Q	113, 117
perfluorobutane sulfonic acid $C_4HF_9O_3S$ (PFBS) [375-73-5]	2.0		Plassmann et al. (2011)	E	
perfluorohexane sulfonic acid $C_6HF_{13}O_3S$ (PFHxS) [355-46-4]	5.1×10^{-1}		Plassmann et al. (2011)	E	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
perfluorooctane sulfonic acid	9.0×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_8HF_{17}O_3S$	8.6×10^{-3}		Zhang et al. (2010)	Q	113, 115
(PFOS)	1.6×10^{-1}		Zhang et al. (2010)	Q	113, 116
[1763-23-1]	9.9×10^{-3}		Zhang et al. (2010)	Q	113, 117
	1.0×10^{-1}		Arp et al. (2006)	Q	241
	4.6×10^{-3}		Arp et al. (2006)	Q	242
undecafluoro-N-methyl-1-pentanesulfonamide	3.5×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_6H_4F_{11}NO_2S$	4.4×10^{-2}		Zhang et al. (2010)	Q	113, 115
[68298-13-5]	5.6×10^{-4}		Zhang et al. (2010)	Q	113, 116
	6.2×10^{-1}		Zhang et al. (2010)	Q	113, 117
1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulfonamide	1.8×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_7H_8F_9NO_3S$	1.1×10^{1}		Zhang et al. (2010)	Q	113, 115
[34454-97-2]	4.6×10^{-1}		Zhang et al. (2010)	Q	113, 116
	2.7×10^{2}		Zhang et al. (2010)	Q	113, 117
tridecafluoro-N-methyl-1-hexanesulfonamide	6.7×10^{-5}		Zhang et al. (2010)	Q	113, 114
$C_7H_4F_{13}NO_2S$	9.2×10^{-3}		Zhang et al. (2010)	Q	113, 115
[68259-15-4]	2.5×10^{-4}		Zhang et al. (2010)	Q	113, 116
	1.2×10^{-1}		Zhang et al. (2010)	Q	113, 117

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
perfluorooctane sulfonamide	3.4		Arp et al. (2006)	Q	241
$C_8H_2F_{17}NO_2S$ (PFOSA) [754-91-6]	7.9×10^{-6}		Arp et al. (2006)	Q	242
N-ethyl-1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)butane-1-sulfonamide	1.3×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_8H_{10}F_9NO_3S$	8.8		Zhang et al. (2010)	Q	113, 115
[34449-89-3]	1.4×10^{-1}		Zhang et al. (2010)	Q	113, 116
	2.1×10^{2}		Zhang et al. (2010)	Q	113, 117
1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-methylheptane-1-sulphonamide	1.3×10^{-5}		Zhang et al. (2010)	Q	113, 114
$C_8H_4NO_2F_{15}S$	1.6×10^{-3}		Zhang et al. (2010)	Q	113, 115
[68259-14-3]	1.2×10^{-4}		Zhang et al. (2010)	Q	113, 116
	2.4×10^{-2}		Zhang et al. (2010)	Q	113, 117
1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(2-hydroxyethyl)-N-methylpentane-1-sulphonamide	3.4		Zhang et al. (2010)	Q	113, 114
$C_8H_8NO_3F_{11}S$	2.9		Zhang et al. (2010)	Q	113, 115
[68555-74-8]	2.1×10^{-1}		Zhang et al. (2010)	Q	113, 116
	5.6×10^{1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
N-(3-(dimethylamino)propyl)-nonafluoro-1-butanesulfonamide	2.1		Zhang et al. (2010)	Q	113, 114
$C_9H_{13}F_9N_2O_2S$	3.1×10^{1}		Zhang et al. (2010)	Q	113, 115
[68555-77-1]	1.1		Zhang et al. (2010)	Q	113, 116
	6.0×10^{2}		Zhang et al. (2010)	Q	113, 117
heptadecafluoro-N-methyloctanesulphonamide	2.4×10^{-6}		Zhang et al. (2010)	Q	113, 114
$C_9H_4F_{17}NO_2S$	2.1×10^{-4}		Zhang et al. (2010)	Q	113, 115
[31506-32-8]	5.2×10^{-5}		Zhang et al. (2010)	Q	113, 116
	5.0×10^{-3}		Zhang et al. (2010)	Q	113, 117
N-ethyl-1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(2-hydroxyethyl)-1-pentanesulfonamide	2.5		Zhang et al. (2010)	Q	113, 114
$C_9H_{10}NO_3F_{11}S$	2.3		Zhang et al. (2010)	Q	113, 115
[68555-72-6]	6.0×10^{-2}		Zhang et al. (2010)	Q	113, 116
	4.1×10^{1}		Zhang et al. (2010)	Q	113, 117
1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-1-hexanesulfonamide	6.4×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_9H_8NO_3F_{13}S$	6.0×10^{-1}		Zhang et al. (2010)	Q	113, 115
[68555-75-9]	9.2×10^{-2}		Zhang et al. (2010)	Q	113, 116
	9.9		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)hexane-1-sulfonamide	4.7×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_{10}F_{13}NO_3S$	4.6×10^{-1}		Zhang et al. (2010)	Q	113, 115
[34455-03-3]	3.1×10^{-2}		Zhang et al. (2010)	Q	113, 116
	8.8		Zhang et al. (2010)	Q	113, 117
2-methyl[(nonafluorobutyl) sulfonyl]aminoethyl acrylate	5.1×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_{10}F_9NO_4S$	5.3×10^{-1}		Zhang et al. (2010)	Q	113, 115
[67584-55-8]	8.2×10^{1}		Zhang et al. (2010)	Q	113, 116
	4.8×10^{1}		Zhang et al. (2010)	Q	113, 117
N-ethyl perfluorooctane sulfonamide	1.8×10^{-6}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_6F_{17}NO_2S$	1.4×10^{-4}		Zhang et al. (2010)	Q	113, 115
(EtFOSA)	9.5×10^{-6}		Zhang et al. (2010)	Q	113, 116
[4151-50-2]	3.8×10^{-3}		Zhang et al. (2010)	Q	113, 117
	6.4×10^{-3}		Arp et al. (2006)	Q	241
	7.5×10^{-3}		Arp et al. (2006)	Q	242

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-N-methylheptane-1-sulphonamide	1.2×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{10}H_8NO_3F_{15}S$	9.5×10^{-2}		Zhang et al. (2010)	Q	113, 115
[68555-76-0]	4.5×10^{-2}		Zhang et al. (2010)	Q	113, 116
	2.1		Zhang et al. (2010)	Q	113, 117
N-methyl perfluorooctane sulfonamidoethanol	2.3×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{11}H_8F_{17}NO_3S$	1.2×10^{-2}		Zhang et al. (2010)	Q	113, 115
(MeFOSE)	1.9×10^{-2}		Zhang et al. (2010)	Q	113, 116
[24448-09-7]	4.3×10^{-1}		Zhang et al. (2010)	Q	113, 117
	4.8×10^{-1}		Arp et al. (2006)	Q	241
	2.1×10^{-3}		Arp et al. (2006)	Q	242
N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide	9.0×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{11}H_{10}NO_3F_{15}S$	7.2×10^{-2}		Zhang et al. (2010)	Q	113, 115
[68555-73-7]	1.5×10^{-2}		Zhang et al. (2010)	Q	113, 116
	1.8		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
N-(3-(dimethylamino)propyl)-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonamide	7.7×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{11}H_{13}N_2O_2F_{13}S$	1.5		Zhang et al. (2010)	Q	113, 115
[50598-28-2]	2.2×10^{-1}		Zhang et al. (2010)	Q	113, 116
	2.5×10^{1}		Zhang et al. (2010)	Q	113, 117
2-(methyl-(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentylsulfonyl)amino)ethyl prop-2-enoate	9.7×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{11}H_{10}F_{11}NO_4S$	2.0×10^{-1}		Zhang et al. (2010)	Q	113, 115
[67584-56-9]	7.5×10^{1}		Zhang et al. (2010)	Q	113, 116
	9.7		Zhang et al. (2010)	Q	113, 117
2-(methyl((nonafluorobutyl) sulphonyl)amino)ethyl methacrylate	3.3×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{11}H_{12}F_9NO_4S$	5.0×10^{-1}		Zhang et al. (2010)	Q	113, 115
[67584-59-2]	1.9×10^{-1}		Zhang et al. (2010)	Q	113, 116
	2.9×10^{1}		Zhang et al. (2010)	Q	113, 117
N-(3-(dimethylamino)propyl)pentadecafluoro-1-heptanesulfonamide	1.5×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{13}F_{15}N_2O_2S$	2.3×10^{-1}		Zhang et al. (2010)	Q	113, 115
[67584-54-7]	1.8×10^{-2}		Zhang et al. (2010)	Q	113, 116
	5.2		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
acrylic acid 2-[methyl[(tridecafluorohexyl)sulfonyl]amino]ethyl ester	1.8×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{10}F_{13}NO_4S$	6.0×10^{-2}		Zhang et al. (2010)	Q	113, 115
[67584-57-0]	3.4×10^{1}		Zhang et al. (2010)	Q	113, 116
	2.0		Zhang et al. (2010)	Q	113, 117
N-ethyl perfluorooctane sulfonamidoethanol	1.7×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{10}F_{17}NO_3S$	8.6×10^{-3}		Zhang et al. (2010)	Q	113, 115
(EtFOSE)	6.2×10^{-3}		Zhang et al. (2010)	Q	113, 116
[1691-99-2]	3.3×10^{-1}		Zhang et al. (2010)	Q	113, 117
	5.7×10^{-2}		Arp et al. (2006)	Q	241
	1.2×10^{-3}		Arp et al. (2006)	Q	242
2-(methyl((pentadecafluoroheptyl) sulphonyl)amino)ethyl acrylate	3.5×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_{13}H_{10}F_{15}NO_4S$	1.5×10^{-2}		Zhang et al. (2010)	Q	113, 115
[68084-62-8]	9.9		Zhang et al. (2010)	Q	113, 116
	4.2×10^{-1}		Zhang et al. (2010)	Q	113, 117
N-methyl perfluorooctane sulfonamidoethylacrylate	4.4×10^{-2}		Arp et al. (2006)	Q	241
$C_{14}H_{10}F_{17}NO_4S$ (MeFOSEA) [25268-77-3]	2.2×10^{-3}		Arp et al. (2006)	Q	242

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-1-octanesulfonamide	9.7×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_{14}F_{17}NO_3S$	4.1×10^{-3}		Zhang et al. (2010)	Q	113, 115
[2263-09-4]	3.8×10^{-2}		Zhang et al. (2010)	Q	113, 116
	2.2×10^{-1}		Zhang et al. (2010)	Q	113, 117
ethyl N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]glycinate	1.3×10^{-5}		Zhang et al. (2010)	Q	113, 114
$C_{14}H_{12}NO_4F_{17}S$	1.8×10^{-3}		Zhang et al. (2010)	Q	113, 115
[1869-77-8]	4.3		Zhang et al. (2010)	Q	113, 116
	3.0×10^{-2}		Zhang et al. (2010)	Q	113, 117
2-(((heptadecafluorooctyl)sulfonyl)methylamino)ethyl methacrylate	4.2×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_{15}H_{12}F_{17}NO_4S$	3.3×10^{-3}		Zhang et al. (2010)	Q	113, 115
[14650-24-9]	2.5		Zhang et al. (2010)	Q	113, 116
	5.4×10^{-2}		Zhang et al. (2010)	Q	113, 117
2-(N-ethylperfluorooctanesulfamido)ethyl methacrylate	3.2×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_{16}H_{14}F_{17}NO_4S$	3.9×10^{-3}		Zhang et al. (2010)	Q	113, 115
[376-14-7]	1.5		Zhang et al. (2010)	Q	113, 116
	4.1×10^{-2}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
2-butyl[(heptadecafluorooctyl)sulfonyl]aminoethyl acrylate	2.9×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_{17}H_{16}F_{17}NO_4S$	4.1×10^{-3}		Zhang et al. (2010)	Q	113, 115
[383-07-3]	1.8		Zhang et al. (2010)	Q	113, 116
	4.3×10^{-2}		Zhang et al. (2010)	Q	113, 117
trichloromethanesulfenyl chloride	4.1×10^{-2}		Zhang et al. (2010)	Q	113, 114
CCl_4S	6.9×10^{-4}		Zhang et al. (2010)	Q	113, 115
[594-42-3]	9.5×10^{-4}		Zhang et al. (2010)	Q	113, 116
	5.3×10^{-3}		Zhang et al. (2010)	Q	113, 117
1,1,2,2-tetrachloroethanesulfenyl chloride	8.8×10^{-2}		Zhang et al. (2010)	Q	113, 114
C_2HCl_5S	3.7×10^{-3}		Zhang et al. (2010)	Q	113, 115
[1185-09-7]	1.9×10^{-2}		Zhang et al. (2010)	Q	113, 116
	6.7×10^{-2}		Zhang et al. (2010)	Q	113, 117
2,2'-dichlorodiethylsulfide $(ClCH_2CH_2)_2S$ (mustard gas) [69020-37-7]	3.0×10^{-1}		Hine and Mookerjee (1975)	V	
pentachlorobenzenethiol	8.4×10^{-2}		Zhang et al. (2010)	Q	113, 114
C_6HCl_5S	2.7×10^{-2}		Zhang et al. (2010)	Q	113, 115
[133-49-3]	1.3		Zhang et al. (2010)	Q	113, 116
	2.2×10^{-2}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
bis(trichloromethyl)sulfone	8.2×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_2Cl_6O_2S$	1.2×10^{-2}		Zhang et al. (2010)	Q	113, 115
[3064-70-8]	3.1×10^{3}		Zhang et al. (2010)	Q	113, 116
	1.0×10^{1}		Zhang et al. (2010)	Q	113, 117
benzenesulfonyl chloride	1.1		Zhang et al. (2010)	Q	113, 114
$C_6H_5ClO_2S$	1.7×10^{1}		Zhang et al. (2010)	Q	113, 115
[98-09-9]	6.7		Zhang et al. (2010)	Q	113, 116
	1.6×10^{2}		Zhang et al. (2010)	Q	113, 117
4-methylbenzenesulfonyl chloride	1.0		Zhang et al. (2010)	Q	113, 114
$C_7H_7ClO_2S$	1.8×10^{1}		Zhang et al. (2010)	Q	113, 115
[98-59-9]	1.2×10^{1}		Zhang et al. (2010)	Q	113, 116
	9.2×10^{1}		Zhang et al. (2010)	Q	113, 117
endosulfan	9.4×10^{-1}		Mackay et al. (2006d)	V	
$C_9H_6Cl_6O_3S$	1.1×10^{2}		Zhang et al. (2010)	Q	113, 114
[115-29-7]	2.4×10^{1}		Zhang et al. (2010)	Q	113, 115
	1.1×10^{2}		Zhang et al. (2010)	Q	113, 116
	2.3×10^{8}		Zhang et al. (2010)	Q	113, 117
	3.1×10^{1}		Hilal et al. (2008)	Q	
α-endosulfan	1.4		Shen and Wania (2005)	L	143
$C_9H_6Cl_6O_3S$	1.4		Shen and Wania (2005)	L	144
(endosulfan I)	1.4		Muir et al. (2004)	L	144
[959-98-8]	1.4		Muir et al. (2004)	L	143
	1.3	4200	Cetin et al. (2006)	M	
	1.4		Altschuh et al. (1999)	M	
	1.5×10^{-1}		Rice et al. (1997b)	M	9

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	1.5		Cotham and Bidleman (1989)	V	
	3.4×10^{-1}		Suntio et al. (1988)	V	9
	1.3×10^{-1}	2300	Rice et al. (1997a)	X	300
	9.2×10^{-1}		Suntio et al. (1988)	C	
		3200	Kühne et al. (2005)	Q	
		2300	Kühne et al. (2005)	?	
β-endosulfan	2.5×10^{1}		Shen and Wania (2005)	L	143
$C_9H_6Cl_6O_3S$	2.2×10^{1}		Shen and Wania (2005)	L	144
(endosulfan II)	1.9×10^{1}	3700	Cetin et al. (2006)	M	
[33213-65-9]	2.5		Altschuh et al. (1999)	M	
	1.1		Rice et al. (1997b)	M	9
	1.6×10^{1}		Cotham and Bidleman (1989)	V	
	3.1×10^{1}		Hilal et al. (2008)	Q	
mcpa-thioethyl $C_{11}H_{13}ClO_2S$ [25319-90-8]	4.5×10^{-1}		Mackay et al. (2006d)	V	
1,1'-sulfonylbis[4-chlorobenzene	7.2×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_8Cl_2O_2S$	6.5×10^{3}		Zhang et al. (2010)	Q	113, 115
[80-07-9]	5.0×10^{4}		Zhang et al. (2010)	Q	113, 116
	3.1×10^{3}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
6-chloro-2-(6-chloro-4-methyl-3-oxobenzo[b]thien-2(3h)-ylidene)-4-methylbenzo[b]thiophene-3(2H)-one	3.2×10^{7}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{10}Cl_2O_2S_2$	1.2×10^{7}		Zhang et al. (2010)	Q	113, 115
[2379-74-0]	5.4×10^{4}		Zhang et al. (2010)	Q	113, 116
	2.4×10^{6}		Zhang et al. (2010)	Q	113, 117
5-chloro-3-(trichloromethyl)-1,2,4-thiadiazole	1.6×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_3Cl_4N_2S$	1.9×10^{1}		Zhang et al. (2010)	Q	113, 115
[5848-93-1]	7.3×10^{-1}		Zhang et al. (2010)	Q	113, 116
	4.2×10^{-1}		Zhang et al. (2010)	Q	113, 117
2,4-dichloro-6-(methylthio)-1,3,5-triazine	1.3×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_4H_3Cl_2N_3S$	1.3×10^{1}		Zhang et al. (2010)	Q	113, 115
[13705-05-0]	9.7×10^{-1}		Zhang et al. (2010)	Q	113, 116
	1.7×10^{1}		Zhang et al. (2010)	Q	113, 117
2-chloroallyl-N,N-diethyldithiocarbamate $C_8H_{14}ClNS_2$ [95-06-7]	2.1×10^{1}		Hilal et al. (2008)	Q	
etridiazole $C_5H_5Cl_3N_2OS$ [2593-15-9]	1.6×10^{1}		Mackay et al. (2006d)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
4-amino-3,5-dichloro-N-ethyl-2-methylbenzenesulfonamide	3.8×10^{4}		Zhang et al. (2010)	Q	113, 114
$C_9H_{12}Cl_2N_2O_2S$	1.1×10^{4}		Zhang et al. (2010)	Q	113, 115
[151574-12-8]	1.2×10^{6}		Zhang et al. (2010)	Q	113, 116
	1.5×10^{7}		Zhang et al. (2010)	Q	113, 117
dichlofluanid	1.9×10^{2}		Mackay et al. (2006d)	V	
$C_9H_{11}Cl_2FN_2O_2S_2$	2.5×10^{4}		Siebers and Mattusch (1996)	V	9
[1085-98-9]					
captan	1.5×10^{3}		Mackay et al. (2006d)	V	
$C_9H_8Cl_3NO_2S$	1.7		Suntio et al. (1988)	V	9
[133-06-2]					
folpet $C_9H_4Cl_3NO_2S$ [133-07-3]	2.6		Mackay et al. (2006d)	V	
diallate	9.3		Mackay et al. (2006d)	V	
$C_{10}H_{17}Cl_2NOS$ (avadex)	4.0		Suntio et al. (1988)	V	9
[2303-16-4]					
triallate	8.8×10^{-1}		Mackay et al. (2006d)	V	
$C_{10}H_{16}Cl_3NOS$	9.8×10^{-1}		Suntio et al. (1988)	V	9
[2303-17-5]					
tolylfluanid $C_{10}H_{13}Cl_2FN_2O_2S_2$ [731-27-1]	1.6×10^{2}		Mackay et al. (2006d)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
S-(4-chlorobenzyl) diethylthiocarbamate	1.9×10^{1}		Watanabe (1993)	M	
$C_{12}H_{16}ClNOS$	4.9		Kawamoto and Urano (1989)	M	
(thiobencarb)			Mackay et al. (2006d)	?	301
[28249-77-6]					
dimethenamid	4.5×10^{2}		Hilal et al. (2008)	Q	
$C_{12}H_{18}ClNO_2S$					
[87674-68-8]					
chlorsulfuron	3.2×10^{4}		Mackay et al. (2006d)	V	
$C_{12}H_{12}ClN_5O_4S$					
[64902-72-3]					
tetrabromobisphenol s	1.5×10^{11}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_6Br_4O_4S$	9.7×10^{5}		Zhang et al. (2010)	Q	113, 115
[39635-79-5]	5.8×10^{6}		Zhang et al. (2010)	Q	113, 116
	1.2×10^{7}		Zhang et al. (2010)	Q	113, 117
1,3-dibromo-5-[3,5-dibromo-4-(2,3-dibromopropoxy)benzenesulfonyl]-2-(2,3-dibromopropoxy)benzene	8.2×10^{8}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{14}Br_8O_4S$	5.2×10^{8}		Zhang et al. (2010)	Q	113, 115
[42757-55-1]	1.8×10^{11}		Zhang et al. (2010)	Q	113, 116
	6.4×10^{8}		Zhang et al. (2010)	Q	113, 117
bromphenol blue	1.9×10^{13}		Zhang et al. (2010)	Q	113, 114
$C_{19}H_{10}Br_4O_5S$	5.1×10^{5}		Zhang et al. (2010)	Q	113, 115
[115-39-9]	9.2×10^{9}		Zhang et al. (2010)	Q	113, 116
	5.3×10^{10}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\ \text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
bromcresol green	1.5×10^{13}		Zhang et al. (2010)	Q	113, 114
$C_{21}H_{14}Br_4O_5S$	1.0×10^{6}		Zhang et al. (2010)	Q	113, 115
[76-60-8]	1.8×10^{9}		Zhang et al. (2010)	Q	113, 116
	1.6×10^{10}		Zhang et al. (2010)	Q	113, 117
Organic species with phosphorus (P)					
Phosphorus (C, H, O, N, Cl, Br, S, P)					
triphenylphosphine	4.3×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{15}P$	9.5×10^{-3}		Zhang et al. (2010)	Q	113, 115
[603-35-0]	1.3×10^{1}		Zhang et al. (2010)	Q	113, 116
	4.8		Zhang et al. (2010)	Q	113, 117
9-icosyl-9-phosphabicyclo[4.2.1]nonane	3.1×10^{-5}		Zhang et al. (2010)	Q	113, 114
$C_{28}H_{55}P$	3.1×10^{-3}		Zhang et al. (2010)	Q	113, 115
[13886-99-2]	2.2×10^{-2}		Zhang et al. (2010)	Q	113, 116
	8.0×10^{-6}		Zhang et al. (2010)	Q	113, 117
triethylphosphate	1.4×10^{2}		Abraham et al. (1994)	R	
$C_6H_{15}O_4P$					
[78-40-0]					
mevinphos			Mackay et al. (2006d)	V	226
$C_7H_{13}O_6P$	2.4×10^{5}		Sanders and Seiber (1983)	V	30
[7786-34-7]					
tributylphosphate	1.6×10^{1}		Glotfelty et al. (1987)	V	
$C_{12}H_{27}O_4P$	4.8		Yoshida et al. (1983)	V	
[126-73-8]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
crotoxyphos $C_{14}H_{19}O_6P$ [7700-17-6]	1.7×10^{3}		Mackay et al. (2006d)	V	
triphenylphosphine oxide	1.9×10^{4}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{15}OP$	4.6×10^{4}		Zhang et al. (2010)	Q	113, 115
[791-28-6]	1.1×10^{7}		Zhang et al. (2010)	Q	113, 116
	2.5×10^{-1}		Zhang et al. (2010)	Q	113, 117
trihexylphosphine oxide	4.5×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{39}OP$	2.9×10^{-3}		Zhang et al. (2010)	Q	113, 115
[3084-48-8]	5.8×10^{4}		Zhang et al. (2010)	Q	113, 116
	3.5×10^{-7}		Zhang et al. (2010)	Q	113, 117
phosphorous acid, triphenyl ester	1.8×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{18}H_{15}O_3P$	4.4×10^{-2}		Zhang et al. (2010)	Q	113, 115
[101-02-0]	1.5×10^{2}		Zhang et al. (2010)	Q	113, 116
	7.0×10^{4}		Zhang et al. (2010)	Q	113, 117
octyldihexylphosphine oxide	2.5×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_{20}H_{43}OP$	3.1×10^{-3}		Zhang et al. (2010)	Q	113, 115
[31160-64-2]	5.3×10^{4}		Zhang et al. (2010)	Q	113, 116
	2.3×10^{-7}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
dioctylhexylphosphine oxide	1.4×10^{-3}		Zhang et al. (2010)	Q	113, 114
$C_{22}H_{47}OP$	3.4×10^{-3}		Zhang et al. (2010)	Q	113, 115
[31160-66-4]	4.0×10^{4}		Zhang et al. (2010)	Q	113, 116
	1.4×10^{-7}		Zhang et al. (2010)	Q	113, 117
trioctylphosphine oxide	8.2×10^{-4}		Zhang et al. (2010)	Q	113, 114
$C_{24}H_{51}OP$	3.7×10^{-3}		Zhang et al. (2010)	Q	113, 115
[78-50-2]	3.4×10^{4}		Zhang et al. (2010)	Q	113, 116
	9.2×10^{-8}		Zhang et al. (2010)	Q	113, 117
bis(2-ethylhexyl)-2-ethylhexyl phosphonate	2.1×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{24}H_{51}O_3P$	6.2×10^{-6}		Zhang et al. (2010)	Q	113, 115
[126-63-6]	5.4×10^{4}		Zhang et al. (2010)	Q	113, 116
	7.7×10^{-5}		Zhang et al. (2010)	Q	113, 117
diisodecylphenyl phosphite	1.9		Zhang et al. (2010)	Q	113, 114
$C_{26}H_{47}O_3P$	2.5		Zhang et al. (2010)	Q	113, 115
[25550-98-5]	1.6×10^{3}		Zhang et al. (2010)	Q	113, 116
	3.9×10^{-3}		Zhang et al. (2010)	Q	113, 117
fyrolflex rdp	3.4×10^{7}		Zhang et al. (2010)	Q	113, 114
$C_{30}H_{24}O_8P_2$	1.4×10^{-2}		Zhang et al. (2010)	Q	113, 115
[57583-54-7]	2.6×10^{8}		Zhang et al. (2010)	Q	113, 116
	3.9×10^{16}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
tris(4-tert-butylphenyl) phosphate	1.4×10^{1}		Zhang et al. (2010)	Q	113, 114
$C_{30}H_{39}O_4P$	8.4×10^{-4}		Zhang et al. (2010)	Q	113, 115
[78-33-1]	1.6×10^{3}		Zhang et al. (2010)	Q	113, 116
	3.5×10^{1}		Zhang et al. (2010)	Q	113, 117
tris-(2,4-di-tert-butylphenyl) phosphite	6.1×10^{-2}		Zhang et al. (2010)	Q	113, 114
$C_{42}H_{63}O_3P$	6.5×10^{-5}		Zhang et al. (2010)	Q	113, 115
[31570-04-4]	1.5×10^{2}		Zhang et al. (2010)	Q	113, 116
	5.8		Zhang et al. (2010)	Q	113, 117
glyphosate $C_3H_8NO_5P$ [1071-83-6]	1.8×10^{6}		Mackay et al. (2006d)	V	
monocrotophos $C_7H_{14}NO_5P$ [6923-22-4]			Mackay et al. (2006d)	V	226
dicrotophos $C_8H_{16}NO_5P$ [141-66-2]	2.0×10^{5}		Mackay et al. (2006d)	V	
diethyl 4-nitrophenyl phosphate $C_{10}H_{14}NO_6P$ (paraoxon) [311-45-5]	1.6×10^{3}		Glotfelty et al. (1987)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
phenylphosphonous dichloride	6.5×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_6H_5Cl_2P$	2.5×10^{-3}		Zhang et al. (2010)	Q	113, 115
[644-97-3]	6.2×10^{-2}		Zhang et al. (2010)	Q	113, 116
	3.3×10^{-2}		Zhang et al. (2010)	Q	113, 117
1-hydroxy-2,2,2-trichloroethylphosphonic acid, dimethyl ester			Kawamoto and Urano (1989)	M	302
$C_4H_8Cl_3O_4P$	6.0×10^{5}		Mackay et al. (2006d)	V	
(trichlorfon)	5.9×10^{5}		Suntio et al. (1988)	V	9
[52-68-6]					
dimethyl-2,2-dichlorovinyl phosphate	3.9×10^{1}	11000	Gautier et al. (2003)	M	
$C_4H_7Cl_2O_4P$	8.1×10^{-2}		Kawamoto and Urano (1989)	M	
(dichlorvos)	5.2		Mackay et al. (2006d)	V	
[62-73-7]	5.3		Suntio et al. (1988)	V	9
tris(2-chloropropyl) phosphate	1.6×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_9H_{18}Cl_3O_4P$	1.4×10^{-3}		Zhang et al. (2010)	Q	113, 115
[6145-73-9]	6.7×10^{2}		Zhang et al. (2010)	Q	113, 116
	3.8×10^{-1}		Zhang et al. (2010)	Q	113, 117
tri-(2-chloroisopropyl)phosphate	1.6×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_9H_{18}Cl_3O_4P$	1.9×10^{-4}		Zhang et al. (2010)	Q	113, 115
[13674-84-5]	3.6×10^{4}		Zhang et al. (2010)	Q	113, 116
	3.8×10^{-1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
tris(1,3-dichloroisopropyl)phosphate	3.8×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_9H_{15}Cl_6O_4P$	4.1×10^{-2}		Zhang et al. (2010)	Q	113, 115
[13674-87-8]	1.3×10^{7}		Zhang et al. (2010)	Q	113, 116
	3.0		Zhang et al. (2010)	Q	113, 117
bis(2-chloropropyl) 2-chloro-1-methylethyl phosphate	1.6×10^{2}		Zhang et al. (2010)	Q	113, 114
$C_9H_{18}Cl_3O_4P$	7.2×10^{-4}		Zhang et al. (2010)	Q	113, 115
[76649-15-5]	5.6×10^{3}		Zhang et al. (2010)	Q	113, 116
	3.8×10^{-1}		Zhang et al. (2010)	Q	113, 117
chlorfenvinphos	3.4×10^{3}		Mackay et al. (2006d)	V	
$C_{12}H_{14}Cl_3O_4P$ (clofenvinfos)	3.6×10^{3}		Suntio et al. (1988)	V	9
[470-90-6]					
phosphamidon	2.8		Mackay et al. (2006d)	V	
$C_{10}H_{19}ClNO_5P$	2.8		Suntio et al. (1988)	V	9
[13171-21-6]					
2-bromo-1,1-dimethylethyl 2-bromoethyl 2-chloroethyl phosphate	1.5×10^{3}		Zhang et al. (2010)	Q	113, 114
$C_9H_{18}Br_2ClO_4P$	1.3×10^{-2}		Zhang et al. (2010)	Q	113, 115
[125997-20-8]	4.4×10^{3}		Zhang et al. (2010)	Q	113, 116
	8.2×10^{-1}		Zhang et al. (2010)	Q	113, 117

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
leptophos	3.7		Mackay and Shiu (1981)	L	
$C_{13}H_{10}O_3BrCl_2P$	4.0		Mackay et al. (2006d)	V	
[21609-90-5]	4.0		Suntio et al. (1988)	V	9
	2.6×10^{1}		Hilal et al. (2008)	Q	
tributyl phosphorotrithioite	4.3×10^{-1}		Zhang et al. (2010)	Q	113, 114
$C_{12}H_{27}PS_3$	6.0×10^{-4}		Zhang et al. (2010)	Q	113, 115
[150-50-5]	1.5×10^{-1}		Zhang et al. (2010)	Q	113, 116
	5.1×10^{-2}		Zhang et al. (2010)	Q	113, 117
bis(2,6,6-trimethylbicyclo[3.1.1]hept-2-enyl) bis(2,6,6-trimethylbicyclo[3.1.1]hept-2-enyl)thiodiphosphonate	8.2×10^{-5}		Zhang et al. (2010)	Q	113, 114
$C_{40}H_{60}P_2S_5$	5.8×10^{4}		Zhang et al. (2010)	Q	113, 115
[68400-79-3]	1.9×10^{5}		Zhang et al. (2010)	Q	113, 116
	1.6×10^{2}		Zhang et al. (2010)	Q	113, 117
demeton-s-methyl $C_6H_{15}O_3PS_2$ [919-86-8]	3.6×10^{2}		Mackay et al. (2006d)	V	
phorate	9.9×10^{-1}		Mackay et al. (2006d)	V	
$C_7H_{17}O_2PS_3$	1.5		Suntio et al. (1988)	V	9
[298-02-2]					
sulfotep $C_8H_{20}O_5P_2S_2$ [3689-24-5]	3.4		Mackay et al. (2006d)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
demeton $C_8H_{19}O_3PS_2$ [298-03-3]	7.7		Suntio et al. (1988)	V	9
ethoprophos $C_8H_{19}O_2PS_2$ [13194-48-4]	6.1×10^{1}		Mackay et al. (2006d)	V	
disulfoton	1.1×10^{1}		Muir et al. (2004)	L	144
$C_8H_{19}O_2PS_3$	4.5		Mackay et al. (2006d)	V	
[298-04-4]	4.5		Suntio et al. (1988)	V	9
ethion	3.1×10^{1}		Mackay et al. (2006d)	V	
$C_9H_{22}O_4P_2S_4$	3.1×10^{1}		Suntio et al. (1988)	V	9
[563-12-2]					
terbufos $C_9H_{21}O_2PS_3$ [13071-79-9]	4.1×10^{-1}		Mackay et al. (2006d)	V	
malathion	6.7×10^{2}		Watanabe (1993)	M	
$C_{10}H_{19}O_6PS_2$	2.0×10^{3}		Fendinger and Glotfelty (1990)	M	
[121-75-5]	4.4×10^{2}		Mackay et al. (2006d)	V	
	2.5×10^{2}		Cotham and Bidleman (1989)	V	
	4.3×10^{2}		Suntio et al. (1988)	V	9
	1.7×10^{2}		Glotfelty et al. (1987)	V	
	7.3×10^{3}		Sanders and Seiber (1983)	V	30
	2.6×10^{1}		Mackay and Shiu (1981)	V	
	1.5×10^{2}		Hilal et al. (2008)	Q	
fonofos $C_{10}H_{15}OPS_2$ [944-22-9]	1.4		Mackay et al. (2006d)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
fenthion	4.5×10^{1}		Mackay et al. (2006d)	V	
$C_{10}H_{15}O_3PS_2$	4.5×10^{1}		Suntio et al. (1988)	V	9
[55-38-9]					
phenthoate $C_{12}H_{17}O_4PS_2$ [2597-03-7]	9.8×10^{1}		Mackay et al. (2006d)	V	
iprobenphos $C_{13}H_{21}O_3PS$ [26087-47-8]	2.6×10^{2}		Watanabe (1993)	M	
edifenphos	5.0×10^{3}		Watanabe (1993)	M	
$C_{14}H_{15}O_2PS_2$	1.4×10^{1}		Mackay et al. (2006d)	V	
[17109-49-8]					
S,S,S-tributyl phosphorotrithioate	3.4×10^{1}		Fendinger and Glotfelty (1990)	M	
$C_{12}H_{27}OPS_3$ (DEF)	1.3		Glotfelty et al. (1987)	V	
[78-48-8]					
acephate $C_4H_{10}NO_3PS$ [30560-19-1]	2.0×10^{7}		Mackay et al. (2006d)	V	
dimethoate	8.7×10^{3}		Mackay et al. (2006d)	V	
$C_5H_{12}NO_3PS_2$	9.1×10^{3}		Suntio et al. (1988)	V	9
[60-51-5]					
methidathion	5.8×10^{3}		Glotfelty et al. (1987)	V	
$C_6H_{11}N_2O_4PS_3$	5.8×10^{3}		Burkhard and Guth (1981)	V	
[950-37-8]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
zinophos	1.0×10^{1}		Mackay et al. (2006d)	V	
$C_8H_{13}N_2O_3PS$	1.2×10^{1}		Suntio et al. (1988)	V	9
(thionazin)					
[297-97-2]					
methylparathion	5.0×10^{1}		Mackay and Shiu (1981)	L	
$C_8H_{10}NO_5PS$	2.6×10^{2}		Rice et al. (1997b)	M	9
[298-00-0]	1.6×10^{2}		Fendinger and Glotfelty (1990)	M	
	9.9×10^{1}		Metcalfe et al. (1980)	M	
	4.7×10^{1}		Mackay et al. (2006d)	V	
	4.7×10^{1}		Suntio et al. (1988)	V	9
	9.2×10^{1}		Glotfelty et al. (1987)	V	
	2.1×10^{3}		Sanders and Seiber (1983)	V	30
	1.6×10^{2}		Metcalfe et al. (1980)	V	
	1.5×10^{1}		Hilal et al. (2008)	Q	
fenitrothion	8.3×10^{1}		Watanabe (1993)	M	
$C_9H_{12}NO_5PS$	1.1×10^{1}		Metcalfe et al. (1980)	M	
[122-14-5]	8.3×10^{2}		Mackay et al. (2006d)	V	
	2.8×10^{2}		Suntio et al. (1988)	V	9
	2.7×10^{1}		Mackay and Shiu (1981)	V	
	1.5×10^{1}		Metcalfe et al. (1980)	V	
	5.3		Hilal et al. (2008)	Q	
parathion	1.2×10^{2}		Fendinger and Glotfelty (1990)	M	
$C_{10}H_{14}NO_5PS$	7.1×10^{1}		Mackay et al. (2006d)	V	
(E 605)	5.0×10^{1}		Siebers and Mattusch (1996)	V	9
[56-38-2]	5.0×10^{1}		Siebers et al. (1994)	V	
	8.3×10^{1}		Suntio et al. (1988)	V	9
	4.2×10^{1}		Glotfelty et al. (1987)	V	
	1.6×10^{3}		Sanders and Seiber (1983)	V	30

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
	8.1		Mackay and Shiu (1981)	V	
	1.3×10^{1}		Burkhard and Guth (1981)	V	
	1.0×10^{1}		Chiou et al. (1980)	V	
	6.5		Hilal et al. (2008)	Q	
azinphos-methyl	3.2×10^{3}		Mackay et al. (2006d)	V	
$C_{10}H_{12}N_3O_3PS_2$	3.1×10^{2}		Suntio et al. (1988)	V	9
[86-50-0]					
phosmet	1.3×10^{3}		Mackay et al. (2006d)	V	
$C_{11}H_{12}NO_4PS_2$	1.1×10^{3}		Suntio et al. (1988)	V	9
[732-11-6]					
diazinon	4.6×10^{1}		Muir et al. (2004)	L	144
$C_{12}H_{21}N_2O_3PS$	9.2×10^{1}		Muir et al. (2004)	L	143
(dimpylate)	1.5×10^{1}	12000	Feigenbrugel et al. (2004a)	M	
[333-41-5]	1.1×10^{1}		Watanabe (1993)	M	
	8.4×10^{1}		Fendinger et al. (1989)	M	129
	8.8×10^{1}		Fendinger and Glotfelty (1988)	M	129
	2.5×10^{1}		Mackay et al. (2006d)	V	
	1.5×10^{1}		Suntio et al. (1988)	V	9
	6.7		Glotfelty et al. (1987)	V	
	1.0×10^{2}		Sanders and Seiber (1983)	V	30
	1.3×10^{1}		Burkhard and Guth (1981)	V	
	1.4×10^{2}		Meylan and Howard (1991)	Q	
isofenphos	1.2×10^{2}		Mackay et al. (2006d)	V	
$C_{15}H_{24}NO_4PS$					
[25311-71-1]					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
ronnel	4.8×10^{-1}		Mackay and Shiu (1981)	L	
$C_8H_8O_3Cl_3PS$	1.7×10^{-2}		Mackay et al. (2006d)	V	
[299-84-3]	3.1×10^{-1}		Suntio et al. (1988)	V	9
	5.7×10^{-2}		Hilal et al. (2008)	Q	
tolclofos-methyl $C_9H_{11}Cl_2O_3PS$ [57018-04-9]	1.7×10^{-2}		Mackay et al. (2006d)	V	
dichlofenthion	3.2×10^{-5}		Mackay et al. (2006d)	V	
$C_{10}H_{13}Cl_2O_3PS$	3.2×10^{-5}		Suntio et al. (1988)	V	9
[97-17-6]					
carbophenothion $C_{11}H_{16}ClO_2PS_3$ [786-19-6]	2.2×10^{1}		Suntio et al. (1988)	V	9
methylchlorpyrifos	2.5		Mackay et al. (2006d)	V	
$C_7H_7NO_3Cl_3PS$	2.9		Suntio et al. (1988)	V	9
[5598-13-0]	3.3		Mackay and Shiu (1981)	V	
	6.5×10^{-1}		Hilal et al. (2008)	Q	
dicapthon	4.2×10^{1}		Mackay et al. (2006d)	V	
$C_8H_9NO_5ClPS$	4.2×10^{1}		Suntio et al. (1988)	V	9
[2463-84-5]	4.4×10^{1}		Mackay and Shiu (1981)	V	
	6.5		Hilal et al. (2008)	Q	
isazophos $C_9H_{17}ClN_3O_3PS$ [42509-80-8]	1.1×10^{2}		Burkhard and Guth (1981)	V	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
chlorpyrifos	1.8		Muir et al. (2004)	L	144
$C_9H_{11}Cl_3NO_3PS$	2.1		Muir et al. (2004)	L	143
[2921-88-2]	2.2×10^{-1}	7800	Cetin et al. (2006)	M	
	3.1		Rice et al. (1997b)	M	9
	2.4		Fendinger and Glotfelty (1990)	M	
	9.2×10^{-1}		Mackay et al. (2006d)	V	
	1.7		Siebers et al. (1994)	V	
	5.7×10^{-1}		Suntio et al. (1988)	V	9
	8.1×10^{-1}		Glotfelty et al. (1987)	V	
	2.2×10^{-1}		Hilal et al. (2008)	Q	
	2.5×10^{2}		Meylan and Howard (1991)	Q	
dialifor	7.1		Mackay et al. (2006d)	V	
$C_{14}H_{17}ClNO_4PS_2$	7.1		Suntio et al. (1988)	V	9
[10311-84-9]					
profenofos $C_{11}H_{15}BrClO_3PS$ [41198-08-7]	6.2×10^{2}		Mackay et al. (2006d)	V	

Organic species with other elements

Silicon (Si)

tetramethylsilane $C_4H_{12}Si$ [75-76-3]	2.4×10^{-6}		Abraham et al. (1990)	?	
tetraethylsilane $C_8H_{20}Si$ [631-36-7]	3.8×10^{-6}		Abraham et al. (1990)	?	

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
hexamethyldisiloxane $C_6H_{18}OSi_2$ [107-46-0]	7.7×10^{-7}		David et al. (2000)	M	129
octamethylcyclotetrasiloxane	1.2×10^{-4}		Hamelink et al. (1996)	M	9
$C_8H_{24}O_4Si_4$ [556-67-2]	2.7×10^{-6}		Hamelink et al. (1996)	V	9
decamethylcyclopentasiloxane $C_{10}H_{30}O_5Si_5$ [541-02-6]	7.4×10^{-5}		David et al. (2000)	M	129
silicic acid $Si(OH)_4$ [10193-36-9]	2.3×10^{10}	14000	Plyasunov (2012)	M	303
Zinc (Zn)					
zineb $C_4H_6N_2S_4Zn$ [12122-67-7]	2.7×10^{3}		Mackay et al. (2006d)	V	
ziram $C_6H_{12}N_2S_4Zn$ [137-30-4]	2.1×10^{5}		Mackay et al. (2006d)	V	
Tin (Sn)					

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
tetramethylstannane	9.4×10^{-6}	3800	Abraham and Nasehzadeh (1981)	M	
$C_4H_{12}Sn$	9.7×10^{-6}		Abraham et al. (1990)	?	
(tetramethyltin) [594-27-4]	1.2×10^{-5}		Abraham (1979)	?	
tetraethylstannane	6.1×10^{-6}		Abraham et al. (1990)	?	
$C_8H_{20}Sn$	5.7×10^{-6}	6100	Abraham and Nasehzadeh (1981)	?	304
(tetraethyltin) [597-64-8]	1.1×10^{-5}		Abraham (1979)	?	
Mercury (Hg)					
dimethylmercury	1.3×10^{-3}	2700	Talmi and Mesmer (1975)	M	
C_2H_6Hg	2.1×10^{-3}		Abraham et al. (2008)	C	
[593-74-8]	1.0×10^{-3}	3000	Abraham et al. (2008)	Q	95
	3.1×10^{-3}		Iverfeldt and Persson (1985)	?	96
diethylmercury $C_4H_{10}Hg$ [627-44-1]	1.0×10^{-3}	3800	Abraham et al. (2008)	Q	95
dipropylmercury $C_6H_{14}Hg$ [628-85-3]	5.6×10^{-4}	4600	Abraham et al. (2008)	Q	95
diisopropylmercury $C_6H_{14}Hg$ [1071-39-2]	3.9×10^{-4}	4600	Abraham et al. (2008)	Q	95

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
dibutylmercury $C_8H_{18}Hg$ [629-35-6]	2.9×10^{-4}	5400	Abraham et al. (2008)	Q	95
diphenylmercury $C_{12}H_{10}Hg$ [587-85-9]	2.8×10^{2}	8800	Abraham et al. (2008)	Q	95
hydroxymethylmercury	9.8×10^{2}	7700	Iverfeldt and Persson (1985)	M	
CH_3HgOH [1184-57-2]	1.5×10^{3}		Shon et al. (2005)	?	305
phenyl mercuric ethanoate $C_8H_8HgO_2$ [62-38-4]	1.5×10^{4}		Suntio et al. (1988)	V	9
chloromethylmercury	2.2×10^{1}	1800	Iverfeldt and Lindqvist (1982)	M	306
CH_3HgCl	1.5×10^{1}		Talmi and Mesmer (1975)	M	30
[115-09-3]		5300	Abraham et al. (2008)	Q	307
	1.5×10^{1}		Iverfeldt and Persson (1985)	?	96
chloroethylmercury C_2H_5HgCl [107-27-7]	1.5×10^{1}	5600	Abraham et al. (2008)	Q	95
chloropropylmercury C_3H_7HgCl [2440-40-6]	1.2×10^{1}	5900	Abraham et al. (2008)	Q	95
chloroisopropylmercury C_3H_7HgCl [30615-19-1]	9.9	6000	Abraham et al. (2008)	Q	95

Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
chlorobutylmercury C_4H_9HgCl [543-63-5]	8.8	6300	Abraham et al. (2008)	Q	95
chloropentylmercury $C_5H_{11}HgCl$ [544-15-0]	7.0	6700	Abraham et al. (2008)	Q	95
chlorophenylmercury	3.8×10^{2}		Abraham et al. (2008)	V	
C_6H_5HgCl [100-56-1]	9.2×10^{2}	7400	Abraham et al. (2008)	Q	95
2-methoxyethylmercury chloride $CH_3OC_2H_4HgCl$ (aretan) [123-88-6]	3.9×10^{3}	8600	Abraham et al. (2008)	Q	95
bromomethylmercury		4800	Abraham et al. (2008)	Q	307
CH_3HgBr [506-83-2]	3.7		Iverfeldt and Persson (1985)	?	96
bromoethylmercury C_2H_5HgBr [107-26-6]	3.0	5200	Abraham et al. (2008)	Q	95
bromophenylmercury C_6H_5HgBr [1192-89-8]	1.8×10^{2}	6900	Abraham et al. (2008)	Q	95
iodomethylmercury	2.0	4800	Abraham et al. (2008)	Q	95
CH_3HgI [143-36-2]	5.8×10^{-1}		Iverfeldt and Persson (1985)	?	96

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Table 6: Henry's law constants (. . . continued).

Substance Formula (Trivial Name) [CAS Registry Number]	H^{cp} (at $T^{\ominus}$) $\left[\frac{\text{mol}}{\text{m}^3\,\text{Pa}}\right]$	$\frac{\text{d}\ln H^{cp}}{\text{d}(1/T)}$ [K]	Reference	Type	Note
iodoethylmercury C_2H_5HgI [2440-42-8]	2.5	5200	Abraham et al. (2008)	Q	95
iodophenylmercury C_6H_5HgI [823-04-1]	9.0×10^{1}	6700	Abraham et al. (2008)	Q	95
Lead (Pb)					
tetraethyllead $C_8H_{20}Pb$ [78-00-2]	1.3×10^{-5}		Abraham (1979)	?	

Notes

1) Vapor pressure data for water from Wagner and Pruss (1993) was needed to calculate H.

2) Winkler (1891b) also contains high-temperature data. However, only data up to 330 K was used here to calculate the temperature dependence.

3) Value given here as quoted by Fogg and Sangster (2003).

4) Erratum for page 270 of Fogg and Sangster (2003): The CAS registry number is wrong, and the corresponding equation for k_H is wrong. The first term should be −178.763753281, not −187.07794.

5) Value given here as quoted by Lide and Frederikse (1995).

6) Only the tabulated data between $T = 273$ K and $T = 303$ K from Dean (1992) was used to derive H and its temperature dependence. Above $T = 303$ K, the tabulated data could not be parameterized by Eq. (18) very well. The partial pressure of water vapor (needed to convert some Henry's law constants) was calculated using the formula given by Sander et al. (1995). The quantities A and α from Dean (1992) were assumed to be identical.

7) The value is probably wrong.

8) Roth and Sullivan (1981) found that H depends on the concentration of OH^-.

9) Value at $T = 293$ K.

10) Value given here as quoted by Durham et al. (1981).

11) Several references are given in the list of Henry's law constants but not assigned to specific species.

12) Calculated from correlation between the polarizabilities and solubilities of stable gases. The temperature dependence is an estimate of the upper limit.

13) Jacob (1986) assumed the temperature dependence to be the same as for water.

14) In the abstract, Schwartz (1984) gives a range of $9.9\,\text{mol}\,(\text{m}^3\,\text{Pa})^{-1} < H^{cp} < 3.0\times10^{1}\,\text{mol}\,(\text{m}^3\,\text{Pa})^{-1}$. The mean value of this range ($2.0\times10^{1}\,\text{mol}\,(\text{m}^3\,\text{Pa})^{-1}$) has been used by Lelieveld and Crutzen (1991), Pandis and Seinfeld (1989), and Jacob (1986).

15) The value of $H^{\ominus}$ was taken from Schwartz (1984).

16) Erratum for page 264 of Fogg and Sangster (2003): The second value from their Ref. [10] refers to 291.15 K, not 281.15 K.

17) This value is a correction of the solubility published by Lind and Kok (1986).

18) This value was measured at low pH. It is superseded by a later publication of the same group (Lind and Kok, 1994).

19) Pandis and Seinfeld (1989) cite an incorrect value from Lind and Kok (1986), see

erratum by Lind and Kok (1994).

20) Value at $T = 310\,\mathrm{K}$.

21) Value given here as quoted by Betterton (1992).

22) Bone et al. (1983) gives Carter et al. (1968) as the source. However, no data was found in that reference.

23) There is a typo in Sander et al. (2011): The value for A should be −10.19, not 10.19.

24) Value at $T = 303\,\mathrm{K}$.

25) The parametrization given by Lide and Frederikse (1995) with parameters A, B, and C doesn't fit the data in the same paper for this substance. Therefore the parametrization of the solubility data was recalculated.

26) The H298 and A,B,C data listed in Table 5.4 of Sander et al. (2011) are inconsistent, with 94 % difference.

27) The H298 and A,B,C data listed in Table 5.4 of Sander et al. (2006) are inconsistent, with 94 % difference.

28) Value at $T = 297\,\mathrm{K}$.

29) Erratum for page 269 of Fogg and Sangster (2003): The equation for $\ln(k_\mathrm{H})$ is wrong and not consistent with the corresponding equation for $\ln(x)$: The temperature in the last term must be divided by 100 (i.e. $\ln(T/100)$ not $\ln(T)$) and an additional term of ln(100) must be added.

30) Value at $T = 295\,\mathrm{K}$.

31) Value given here as quoted by Lee and Schwartz (1981).

32) Pandis and Seinfeld (1989) refer to Schwartz (1984) as the source but the quoted value cannot be found there.

33) Value obtained by estimating the diffusion coefficient for NO_3 to be $D = 1.0\times10^{-5}\,\mathrm{cm^2\,s^{-1}}$.

34) Jacob (1986) estimated a value that later turned out to be wrong.

35) Seinfeld and Pandis (1998) probably refer to the incorrect value given by Pandis and Seinfeld (1989).

36) This value was extrapolated from data at $T = 230\,\mathrm{K}$ and $T = 273\,\mathrm{K}$.

37) Fast, irreversible hydrolysis is assumed, which is equivalent to an infinite effective Henry's law constant.

38) Lelieveld and Crutzen (1991) assume the temperature dependence to be the same as for $a(\mathrm{H^+})a(\mathrm{NO_3^-})/p(\mathrm{HNO_3})$ in Schwartz and White (1981).

39) For strong acids HA, the Henry solubility is often expressed as $H' = ([\mathrm{H^+}]\times[\mathrm{A^-}])/p(\mathrm{HA})$. To obtain the physical Henry solubility $H = [\mathrm{HA}]/p(\mathrm{HA})$, the value of H' has to be divided by the acidity constant $K_\mathrm{A} = [\mathrm{H^+}]\times[\mathrm{A^-}]/[\mathrm{HA}]$.

40) $H' = 2.6\times10^4\times\exp\left(8700\,\mathrm{K}\left(\frac{1}{T}-\frac{1}{T^\ominus}\right)\right)\frac{\mathrm{mol^2}}{\mathrm{m^6\,Pa}}$

41) $H' = 2.4\times10^4\times\exp\left(8700\,\mathrm{K}\left(\frac{1}{T}-\frac{1}{T^\ominus}\right)\right)\frac{\mathrm{mol^2}}{\mathrm{m^6\,Pa}}$

42) The value is incorrect. See erratum (Brimblecombe and Clegg, 1989).

43) Pandis and Seinfeld (1989) refer to Schwartz (1984) as the source but it is probably from Schwartz and White (1981).

44) Möller and Mauersberger (1992) assumed the solubility to be comparable to that of HNO_3.

45) $H' = 9.4\times10^{-2}\times\exp\left(7400\,\mathrm{K}\left(\frac{1}{T}-\frac{1}{T^\ominus}\right)\right)\frac{\mathrm{mol^2}}{\mathrm{m^6\,Pa}}$

46) Extrapolated from data measured between 70 °C and 110 °C.

47) The value of $\Delta H°$ listed in Table 2 of Bartlett and Margerum (1999) is wrong.

48) Kruis and May (1962) claim that Cl_2 does not obey Henry's law. Looking at their interpolation formula, however, it seems that this is only because they did not consider

the equilibrium $Cl_2 + H_2O \rightleftharpoons HOCl + HCl$.

49) Calculated from the free energy of solution by Schwarz and Dodson (1984).

50) $H' = 2.0 \times 10^4 \frac{\text{mol}^2}{\text{m}^6\,\text{Pa}}$

51) $H' = 2.0 \times 10^4 \times \exp\left(9000\,\text{K}\left(\frac{1}{T} - \frac{1}{T^\ominus}\right)\right) \frac{\text{mol}^2}{\text{m}^6\,\text{Pa}}$

52) $H' = 2.0 \times 10^4 \times \exp\left(9000\,\text{K}\left(\frac{1}{T} - \frac{1}{T^\ominus}\right)\right) \frac{\text{mol}^2}{\text{m}^6\,\text{Pa}}$

53) $H' = 2.0 \times 10^4 \times \exp\left(9000\,\text{K}\left(\frac{1}{T} - \frac{1}{T^\ominus}\right)\right) \frac{\text{mol}^2}{\text{m}^6\,\text{Pa}}$

54) Pandis and Seinfeld (1989) refer to Marsh and McElroy (1985) as the source but the quoted value cannot be found there.

55) This value was extrapolated from data at $T = 215\,\text{K}$ and $T = 263\,\text{K}$.

56) Value at pH = 6.5.

57) Value at $T = 200\,\text{K}$.

58) Scheer et al. (1997) derive that $H^{cp}(\text{NOCl}) > 4.9 \times 10^{-4}\,\text{mol}\,(\text{m}^3\,\text{Pa})^{-1}$.

59) Derived as a fitting parameter used in numerical modeling.

60) Dubik et al. (1987) measured the solubility in concentrated salt solutions (natural brines).

61) $H' = 8.2 \times 10^6 \times \exp\left(10000\,\text{K}\left(\frac{1}{T} - \frac{1}{T^\ominus}\right)\right) \frac{\text{mol}^2}{\text{m}^6\,\text{Pa}}$

62) $H' = 1.3 \times 10^7 \times \exp\left(10000\,\text{K}\left(\frac{1}{T} - \frac{1}{T^\ominus}\right)\right) \frac{\text{mol}^2}{\text{m}^6\,\text{Pa}}$

63) $H' = 7.0 \times 10^6 \times \exp\left(10000\,\text{K}\left(\frac{1}{T} - \frac{1}{T^\ominus}\right)\right) \frac{\text{mol}^2}{\text{m}^6\,\text{Pa}}$

64) Chameides and Stelson (1992) give a value of $H' = 7.1 \times 10^6 \times \exp\left(6100\,\text{K}\left(\frac{1}{T} - \frac{1}{T^\ominus}\right)\right) \frac{\text{mol}^2}{\text{m}^6\,\text{Pa}}$. They refer to Jacob (1986) and Chameides (1984) as the source but this value cannot be found there.

65) Sander et al. (2011) found that $H^{cp}(\text{HOBr}) > 1.3\,\text{mol}\,(\text{m}^3\,\text{Pa})^{-1}$.

66) Sander et al. (2006) found that $H^{cp}(\text{HOBr}) > 1.3\,\text{mol}\,(\text{m}^3\,\text{Pa})^{-1}$.

67) Fickert (1998) extracted a value from wetted-wall flow tube experiments. However, it was later discovered that under the experimental conditions no evaluation of H is possible (J. Crowley, personal communication, 1999).

68) $H^{cp}(\text{HOBr}) > 1.9 \times 10^1\,\text{mol}\,(\text{m}^3\,\text{Pa})^{-1}$.

69) The value is from Table 1 of the paper. However, *J. Geophys. Res.* forgot to print the tables and I received them directly from the author.

70) Katrib et al. (2001) found that $H^{cp}(\text{BrCl}) < 6.2 \times 10^{-2}\,\text{mol}\,(\text{m}^3\,\text{Pa})^{-1}$ at 275 K.

71) Value at $T = 290\,\text{K}$.

72) Calculated using data from Wagman et al. (1982) and the aqueous-phase equilibrium $Cl_2 + Br_2 \rightleftharpoons 2\,BrCl$ from Wang et al. (1994).

73) Thompson and Zafiriou (1983) quote a paper as the source that gives only the solubility but not the Henry's law constant.

74) Calculated from the free energy of solution by Schwarz and Bielski (1986).

75) $H' = 2.5 \times 10^7 \times \exp\left(9800\,\text{K}\left(\frac{1}{T} - \frac{1}{T^\ominus}\right)\right) \frac{\text{mol}^2}{\text{m}^6\,\text{Pa}}$

76) $H' = 2.1 \times 10^7 \times \exp\left(9800\,\text{K}\left(\frac{1}{T} - \frac{1}{T^\ominus}\right)\right) \frac{\text{mol}^2}{\text{m}^6\,\text{Pa}}$

77) Palmer et al. (1985) estimate that $H^{cp}(\text{HOI}) > 4.1\,\text{mol}\,(\text{m}^3\,\text{Pa})^{-1}$.

78) Thompson and Zafiriou (1983) assume that $H^{cp}(\text{HOI})$ is between

4.4×10^{-1} mol $(m^3\ Pa)^{-1}$ and 4.4×10^{2} mol $(m^3\ Pa)^{-1}$.

79) The parameter fit for the temperature dependence is wrong. A corrected version was later presented by Iliuta and Larachi (2007).

80) Value given here as quoted by Liss and Slater (1974).

81) Marti et al. (1997) give partial pressures of H_2SO_4 over a concentrated solution (e.g., 2.6×10^{-9} Pa for 54.1 weight-percent at 298 K). Extrapolating this to dilute solutions can only be considered an order-of-magnitude approximation for H.

82) Ayers et al. (1980) give partial pressures of H_2SO_4 over concentrated solutions at high temperatures. Extrapolating this to dilute solutions can only be considered an order-of-magnitude approximation for H.

83) Gmitro and Vermeulen (1964) give partial pressures of H_2SO_4 over a concentrated solution (e.g., 10^{-7} mmHg for 70 weight-percent at 298 K). Extrapolating this to dilute solutions can only be considered an order-of-magnitude approximation for H.

84) Clegg et al. (1998) estimate a Henry's law constant of 5×10^{11} atm^{-1} at 303.15 K for the reaction $H_2SO_4(g) \rightleftharpoons 2\ H^+(aq) + SO_4^{2-}(aq)$ but don't give a definition for it. Probably it is defined as $x^2(H^+) \times x(SO_4^{2-})/p(H_2SO_4)$, where x is the aqueous-phase mixing ratio.

85) Erratum for page 265 of Fogg and Sangster (2003): The corresponding equation for k_H is wrong. The second term should not be divided by 100 K.

86) The value at $T = 308.15$ K doesn't fit and is not used for the linear regression.

87) Though no reference was given, the value is probably from Clever (1979b).

88) Solubility in natural sea water. Measurements at different salinities were also performed, but only at a fixed temperature of 296.15 K.

89) Value given here as quoted by Abraham et al. (2008).

90) Petersen et al. (1998) give the invalid unit "mol L^{-1} ppm^{-1}". Here, it is assumed that "ppm" is used as a synonym for "10^{-6} atm".

91) Value at $T = 288$ K.

92) Hedgecock et al. (2005) refer to Schroeder and Munthe (1998) as the source but this value cannot be found there.

93) Shon et al. (2005) refer to Petersen et al. (1998) as the source but a different value is listed there.

94) Value at $T = 333$ K.

95) Calculated using linear free energy relationships (LFER).

96) More than one reference is given as the source of this value.

97) Hedgecock et al. (2005) refer to Hedgecock and Pirrone (2004) as the source but this value cannot be found there.

98) Yaws and Yang (1992) give several references for the Henry's law constants but don't assign them to specific species.

99) Erratum for page 325 of Fogg and Sangster (2003): The second term in the equation describing the recommended data should be a division by T, not a multiplication, i.e. 1.44345E4/T.

100) The H298 and A,B,C data listed in Table 5.4 of Sander et al. (2011) are inconsistent, with 14 % difference.

101) The H298 and A,B,C data listed in Table 5.4 of Sander et al. (2006) are inconsistent, with 14 % difference.

102) The H298 and A,B,C data listed in Table 5.4 of Sander et al. (2011) are inconsistent, with 6 % difference.

103) The H298 and A,B,C data listed in Table 5.4 of Sander et al. (2006) are inconsistent, with 6 % difference.

104) It is unclear why the value given by Fogg and Sangster (2003) is about 3 times higher than that given by Lide and Frederikse (1995) (and others), even though both refer to Hayduk (1986).

105) Jou and Mather (2000) also contains high-temperature data. However, only data up to 373.2 K was used here to calculate the temperature dependence.

106) Calculated from the solvation enthalpy, using Eq. (16).

107) Apparently, the values in Table 2 of Park et al. (1997) show $\log_{10}(K_{aw})$ and not K_{aw} as their figure caption states.

108) Extrapolated from data measured between 40 °C and 80 °C.

109) The value is most probably taken from the report by Howe et al. (1987).

110) In their Table 8, Staudinger and Roberts (1996) incorrectly cite a value given by Ashworth et al. (1988).

111) The same data was also published in Hansen et al. (1995).

112) Hansen et al. (1993) found that the solubility of 2-methylhexane increases with temperature.

113) Data taken from the supplement.

114) Calculated using the EPI Suite (v4.0) method.

115) Calculated using the SPARC (v4.2) method.

116) Calculated using the COSMOtherm (v2.1) method.

117) Calculated using the ABSOLV (ADMEBoxes v4.1) method.

118) Mackay et al. (2006a) list a vapor pressure p, a solubility c, and a Henry's law constant calculated as p/c. However, the data are internally inconsistent and deviate by more than 10 %.

119) Value at $T = 294$ K.

120) The data listed in Tabs. 2 and 3 of Dewulf et al. (1999) are inconsistent, with 5 % difference.

121) Value at $T = 301$ K.

122) Value given here as quoted by Staudinger and Roberts (1996).

123) Haynes (2014) refer to Mackay and Shiu (1981) but that article lists this value for 1,4-dimethylcyclohexane, not for 1,2-dimethylcyclohexane.

124) According to Donahue and Prinn (1993), the value is wrong.

125) Value at $T = 291$ K.

126) Extrapolated from data at elevated temperatures.

127) Extrapolated from data above 298 K.

128) It was found that H changes with the concentration of the solution.

129) Value at $T = 296$ K.

130) Solubility in sea water.

131) Extrapolated from data measured between 45 °C and 80 °C.

132) Value at $T = 302$ K.

133) Calculated using G_h and H_h from Table 2 in Andon et al. (1954). Note that the thermodynamic functions in that table are not based on their α in Table 1. Instead, the expression $\exp(-G_h/(RT))$ yields the Henry's law constant H^{xp} in the unit atm^{-1}.

134) Value obtained by applying the EPICS method, see Ayuttaya et al. (2001) for details.

135) Value obtained by applying the static cell (linear form) method, see Ayuttaya et al. (2001) for details.

136) Value obtained by applying the direct phase concentration ratio method, see Ayuttaya et al. (2001) for details.

137) Value obtained by applying the static cell (non-linear form) method, see Ayuttaya et al. (2001) for details.

138) The temperature dependence is recalculated using the data in Table 4 of Lamarche and Droste (1989) and not taken from their Table 5.

139) Value given here as quoted by Dewulf et al. (1995).

140) Different types of Henry's law constants of Ryu and Park (1999) are inconsistent,

with 14 % difference.

141) Erratum for page 365 of Fogg and Sangster (2003): Data from Kondoh and Nakajima (1997) is cited incorrectly, giving the same values at 308.2 K and 318.2 K, respectively.

142) Because of discrepancies between the values shown in Tables 4 and 5 of Shiu and Ma (2000), the data is not used here.

143) Literature-derived value.

144) Final adjusted value.

145) Value given here as quoted by Petrasek et al. (1983).

146) Value given here as quoted by Haynes (2014).

147) The values of Dewulf et al. (1999) are not used here because, according to them, the calculated regression does not match the theoretical expectation for this species.

148) Value at $T = 283$ K.

149) The H298 and A,B,C data listed in Table 5.4 of Sander et al. (2011) are inconsistent, with 92 % difference.

150) This paper supersedes earlier work with more concentrated solutions (Butler et al., 1933).

151) Value given here as quoted by Gaffney et al. (1987).

152) Value given here as quoted by Hine and Weimar (1965).

153) The H298 and A,B,C data listed in Table 5.4 of Sander et al. (2011) are inconsistent, with 10 % difference.

154) Extrapolated from data above 298 K.

155) Koga (1995) found that *tert*-butanol does not obey Henry's law at $c > 3.8$ mM.

156) Value obtained by Saxena and Hildemann (1996) using the group contribution method.

157) The species is probably 2,3-dimethyl-2-butanol and not 2,3-dimethylbutanol as

listed in Hine and Mookerjee (1975).

158) Value given here as quoted by Hilal et al. (2008).

159) It is assumed here that entry number 72 in Table 1 of Yaws et al. (1997) refers to 2-methyl-1-heptanol, not 2-methyl-2-heptanol.

160) Value at $T = 307$ K.

161) Value given here as quoted by Mackay et al. (1995).

162) Value given here as quoted by Hine and Mookerjee (1975).

163) Value at $T = 373$ K.

164) Altschuh et al. (1999) found that H^{cp}(phenol) > 4.2 mol $(m^3\ Pa)^{-1}$.

165) All measurements by Tabai et al. (1997) were made at $T > 313$ K. Extrapolation to lower temperature must be treated with caution.

166) Value at $T = 281$ K.

167) It is assumed here that the thermodynamic data refers to the units [mol dm^{-3}] and [atm] as standard states.

168) Value given here as quoted by Shiu et al. (1994).

169) Altschuh et al. (1999) found that H^{cp}(phenylmethanol) > 3.7×10^1 mol $(m^3\ Pa)^{-1}$.

170) Mackay et al. (2006c) list a vapor pressure p, a solubility c, and a Henry's law constant calculated as p/c. However, the data are internally inconsistent and deviate by more than 10 %.

171) Altschuh et al. (1999) found that H^{cp}(4-methylphenol) > 2.9 mol $(m^3\ Pa)^{-1}$.

172) Betterton (1992) gives Buttery et al. (1969) as the source. However, no data was found in that reference.

173) Altschuh et al. (1999) found that H^{cp}(2-phenylethanol) > 3.7×10^1 mol $(m^3\ Pa)^{-1}$.

174) Altschuh et al. (1999) found that H^{cp}(3-phenyl-1-propanol) > 1.8×10^2 mol $(m^3\ Pa)^{-1}$.

175) Altschuh et al. (1999) found that H^{cp}(4-phenyl-1-butanol) > 6.7 mol (m^3 Pa)$^{-1}$.

176) Saxena and Hildemann (1996) say that this value is unreliable.

177) Saxena and Hildemann (1996) give a range of 9.9×10^2 mol (m^3 Pa)$^{-1}$ < H^{cp} < 5.9×10^4 mol (m^3 Pa)$^{-1}$.

178) Saxena and Hildemann (1996) give a range of 5.9×10^6 mol (m^3 Pa)$^{-1}$ < H^{cp} < 3.9×10^9 mol (m^3 Pa)$^{-1}$.

179) Altschuh et al. (1999) found that H^{cp}(1,2-butanediol) > 3.4×10^2 mol (m^3 Pa)$^{-1}$.

180) Altschuh et al. (1999) found that H^{cp}(1,4-butanediol) > 9.0×10^2 mol (m^3 Pa)$^{-1}$.

181) Saxena and Hildemann (1996) give a range of 9.9×10^2 mol (m^3 Pa)$^{-1}$ < H^{cp} < 4.9×10^4 mol (m^3 Pa)$^{-1}$.

182) Saxena and Hildemann (1996) give a range of 3.9×10^2 mol (m^3 Pa)$^{-1}$ < H^{cp} < 3.9×10^4 mol (m^3 Pa)$^{-1}$.

183) Altschuh et al. (1999) found that H^{cp}(2-butene-1,4-diol) > 3.4×10^2 mol (m^3 Pa)$^{-1}$.

184) Altschuh et al. (1999) found that H^{cp}(1,4-dihydroxy-2-butyne) > 2.0×10^3 mol (m^3 Pa)$^{-1}$.

185) Value at T = 278 K.

186) Staffelbach and Kok (1993) found that H^{cp}(bis(hydroxymethyl)peroxide) > 9.9×10^4 mol (m^3 Pa)$^{-1}$.

187) Leriche et al. (2000) assumes $H(\mathrm{ROO}) = H(\mathrm{ROOH}) \times H(\mathrm{HO_2})/H(\mathrm{H_2O_2})$.

188) Lelieveld and Crutzen (1991) assume $H(\mathrm{CH_3OO}) = H(\mathrm{HO_2})$.

189) Jacob (1986) assumes $H(\mathrm{CH_3OO}) = H(\mathrm{CH_3OOH}) \times H(\mathrm{HO_2})/H(\mathrm{H_2O_2})$.

190) $H^{cp}(\mathrm{CH_3COOO}) < 9.9\times10^{-4}$ mol (m^3 Pa)$^{-1}$.

191) The value given here is probably not the physical solubility of HCHO but also includes the diol that forms in aqueous solution: $H = ([\mathrm{HCHO}]+[\mathrm{CH_2(OH)_2}])/p(\mathrm{HCHO})$

192) Data from Table 1 by Zhou and Mopper (1990) was used to redo the regression

analysis. The data for acetone in their Table 2 is incorrect.

193) Betterton and Hoffmann (1988) list effective values that take into account hydration of the aldehydes: $H = ([\mathrm{RCHO}] + [\mathrm{RCH(OH)_2}])/p(\mathrm{RCHO})$

194) Dong and Dasgupta (1986) found that the Henry's law constant for HCHO is not a true constant but increases with increasing concentration. They recommend the expression $[\mathrm{HCHO}] = 10^{(4538/T-11.34)} \times p(\mathrm{HCHO})^{(252.2/T+0.2088)}$ with [HCHO] = aqueous-phase concentration in [M], p(HCHO) = partial pressure in [atm], and T = temperature in [K]. Note that this expression does not converge asymptotically to a constant value at infinite dilution.

195) Ledbury and Blair (1925) (and also Blair and Ledbury, 1925) measured the solubility of HCHO at very high concentrations around 5 to 15 M. Their value of H increases with HCHO concentration. Lelieveld and Crutzen (1991), Hough (1991), and Pandis and Seinfeld (1989) all use these solubility data but do not specify how they extrapolated to lower concentrations. Since the concentration range is far away from typical values in atmospheric chemistry the value is not reproduced here.

196) Value given here as quoted by Möller and Mauersberger (1992).

197) Value given here as quoted by Bone et al. (1983).

198) Value at T = 372 K.

199) Calculated under the assumption that ΔG and ΔH are based on [mol l^{-1}] and [atm] as the standard states.

200) H^{cp}(OHCCHO) > 3.0×10^3 mol (m^3 Pa)$^{-1}$.

201) Measurements above 323 K were extrapolated to $T^{\ominus}$.

202) Value at T = 313 K.

203) The value given here was measured at a liquid phase mixing ratio of 1 µmol mol^{-1}. Servant et al. (1991) found that the Henry's law constant changes at higher concentrations.

204) Abraham (1984) smoothed the values from a plot of enthalpy against carbon

number.

205) The value of $H^{\ominus}$ was taken from Keene and Galloway (1986).

206) Calculated using thermodynamic data from Latimer (1952).

207) Value at pH = 4.

208) Pecsar and Martin (1966) is quoted as the source. However, only activity coefficients and no vapor pressures are listed there.

209) Betterton (1992) gives Kieckbusch and King (1979) as the source. However, no data was found in that reference.

210) Dipropyl phthalate is listed twice with different values.

211) Petrasek et al. (1983) estimated that H^{cp}(butyl benzyl phthalate) > 9.9 mol $(m^3\ Pa)^{-1}$.

212) Petrasek et al. (1983) estimated that H^{cp}(dioctyl phthalate) > 9.9 mol $(m^3\ Pa)^{-1}$.

213) Different types of Henry's law constants of Arp and Schmidt (2004) are inconsistent, with 5 % difference.

214) Betterton (1992) gives Hine and Weimar (1965) as the source. However, no data was found in that reference.

215) Betterton (1992) gives Vitenberg et al. (1975) as the source. However, no data was found in that reference.

216) Based on gas chromatograph retention indices (GC-RIs).

217) Solubility in sea water at 20.99 % chlorinity.

218) Erratum for page 260 of Fogg and Sangster (2003): The corresponding equation for $\ln(k_H)$ in preferred units is wrong. The last term must be divided by 10000 (i.e. 0.0704, not 704.

219) Average of 4 pH-dependent values.

220) Warneck (2005) refers to Saxena and Hildemann (1996) as the source but the quoted value cannot be found there.

221) Compernolle and Müller (2014) recommend H^{cp} for citric acid in the range of 2.0×10^{14} mol $(m^3\ Pa)^{-1} < H^{cp} < 5.9\times10^{15}$ mol $(m^3\ Pa)^{-1}$.

222) Compernolle and Müller (2014) recommend H^{cp} for tartaric acid in the range of 6.9×10^{14} mol $(m^3\ Pa)^{-1} < H^{cp} < 9.2\times10^{15}$ mol $(m^3\ Pa)^{-1}$.

223) In their Fig. 5b, Kish et al. (2013) apply an unspecified factor to the Henry's law constant, and it is not clear if the temperature dependence shown there is correct (Y. Liu, personal communication, 2014).

224) Altschuh et al. (1999) found that H^{cp}(n,n-dimethylaminododecane) > 4.0 mol $(m^3\ Pa)^{-1}$.

225) Value at $T = 323$ K.

226) Mackay et al. (2006d) list a vapor pressure p, a solubility c, and a Henry's law constant calculated as p/c. However, the data are internally inconsistent and deviate by more than 10 %.

227) Mabury and Crosby (1996) found that H^{cp}(carbaryl) > 9.9×10^{1} mol $(m^3\ Pa)^{-1}$.

228) Due to an apparently incorrect definition of the Henry's law constant by Andon et al. (1954), Staudinger and Roberts (2001) quote incorrect values from that paper.

229) Calculated using $\Delta G_s^{g\rightarrow H_2O}$ and $\Delta H_s^{g\rightarrow H_2O}$ from Table IV of Arnett and Chawla (1979). Since some of the values in this table are taken directly from Andon et al. (1954), it is assumed that the thermodynamic properties are defined in the same way. Since $\Delta H_s^{g\rightarrow H_2O}$ is defined relative to pyridine, a value of -11.93 kcal/mol from Arnett et al. (1977) was added.

230) This value is calculated from the solubility of 9.4×10^{-3} mol L^{-1} and the vapor pressure of 0.255 mmHg, as shown on pages 7142–7143 of Arnett and Chawla (1979). It is inconsistent with the entry in Table IV of that paper.

231) Kames and Schurath (1992) couldn't assign the values to the isomers.

232) The same data was also published in Fischer and Ballschmiter (1998a).

233) The data listed in Tables 2 and 3 of Dewulf et al. (1999) are inconsistent, with 27 % difference.

234) Value at $T = 308$ K.

235) Mackay et al. (2006d) list two values for dinoseb which differ by a factor of 1000. It is unclear which number is correct (if any) and the data is not reproduced here.

236) Value at $T = 287$ K.

237) In their Table 13, Clever et al. (2005) list Ostwald coefficients that are probably wrong by a factor of 100. Therefore, these values are not used. Instead, H is calculated using the mol fraction x_1 from the same table.

238) Value at $T = 299$ K.

239) Value given here as quoted by Kanakidou et al. (1995).

240) Value at $T = 284$ K.

241) Calculated using the new SPARC method, see Arp et al. (2006) for details.

242) Calculated using the COSMOtherm method, see Arp et al. (2006) for details.

243) The H298 and A,B data listed in Table 5.4 of Sander et al. (2011) are inconsistent, with 29 % difference.

244) The Ostwald coefficient given by Clever et al. (2005) at 313.2 K is probably wrong. Therefore, the Ostwald coefficients are not used. Instead, H is calculated using the mol fraction x_1 from the same table.

245) Extrapolated based on number of carbons.

246) Measured with the wetted-wall column at room temperature.

247) The H298 and A,B data listed in Table 5.4 of Sander et al. (2011) are inconsistent, with 9 % difference.

248) The H298 and A,B data listed in Table 5.4 of Sander et al. (2006) are inconsistent, with 9 % difference.

249) The same data was also published in McConnell et al. (1975).

250) Values at different temperatures are from different sources. Thus a temperature dependence was not calculated.

251) Chiang et al. (1998) show vinyl chloride in their Table 2 but most probably they meant to refer to dichloromethane instead.

252) Value at $T = 275$ K.

253) Probably an interpolation of the data from Balls (1980).

254) The value for A in the table of Kondoh and Nakajima (1997) is wrong. Recalculating the regression, it can be seen that it should be 13.95 and not 1.395.

255) As explained by Miller and Stuart (2003), the measurements were performed at 296 K.

256) Value for $T = 295 \ldots 298$ K.

257) Value for $T = 293 \ldots 298$ K.

258) Mackay et al. (2006b) list a vapor pressure p, a solubility c, and a Henry's law constant calculated as p/c. However, the data are internally inconsistent and deviate by more than 10 %.

259) Haynes (2014) refer to Mackay and Shiu (1981) but that article lists this value for 1-chloro-2-methylpropane (the saturated compound), not for 1-chloro-2-methylpropene.

260) Erratum for page 344 of Fogg and Sangster (2003): The reference [89] seems to be wrong, it does not contain 1,2-dichlorobenzene.

261) The data listed in Tables 2 and 3 of Dewulf et al. (1999) are inconsistent, with 7 % difference.

262) The data listed in Tables 2 and 3 of Dewulf et al. (1999) are inconsistent, with 7 % difference.

263) Value given here as quoted by Suntio et al. (1988).

264) Value for $T = 298 \ldots 303$ K.

265) Modified gas-stripping method (MGSM), see Lau et al. (2006) for details.

266) Integrated gas-stripping method (IGSM), see Lau et al. (2006) for details.

267) Calculated with the principal component regression (PCR) method, see Fang Lee (2007) for details.

268) Calculated with the partial least-square regression (PLSR) method, see Fang Lee (2007) for details.

269) The same data was also published in Dunnivant et al. (1988).

270) Value given here as quoted by Dunnivant et al. (1988).

271) Value at "room temperature".

272) Westcott et al. (1981) give a range of $1.9\times10^{-2}\,\mathrm{mol\,(m^3\,Pa)^{-1}} < H^{cp} < 3.2\times10^{-2}\,\mathrm{mol\,(m^3\,Pa)^{-1}}$.

273) Westcott et al. (1981) give a range of $2.8\times10^{-2}\,\mathrm{mol\,(m^3\,Pa)^{-1}} < H^{cp} < 9.0\times10^{-2}\,\mathrm{mol\,(m^3\,Pa)^{-1}}$.

274) Erratum for page 350 of Fogg and Sangster (2003): The equation describing the recommended temperature-dependent data appears to be wrong and is not used here.

275) Value at pH = 4.

276) Measured at pH 1.

277) Erratum for page 376 of Fogg and Sangster (2003): Data from Santl et al. (1994) is cited incorrectly, it should be 3.64, not 3.84.

278) Although pronamide and propyzamide are the same species, Mackay et al. (2006d) list two different values for them. It is unclear which number is correct (if any) and the data is not reproduced here.

279) Kawamoto and Urano (1989) found that $H^{cp}(\mathrm{chlornitrofen}) > 8.1\,\mathrm{mol\,(m^3\,Pa)^{-1}}$.

280) The temperature dependence was recalculated from the data on p. 20 of McLinden (1989).

281) The data from McLinden (1989) for HCFC-22 is incorrectly cited by Kanakidou et al. (1995).

282) The H298 and A,B data listed in Table 5.4 of Sander et al. (2011) are inconsistent, with 5 % difference.

283) Kanakidou et al. (1995) assume $H(\mathrm{CClF_2OONO_2}) = H(\mathrm{PAN})$.

284) Erratum for page 274 of Fogg and Sangster (2003): The value in the table is k_H, not $\ln k_\mathrm{H}$.

285) Haynes (2014) refer to Mackay et al. (1993) as the source but this value cannot be found there.

286) Erratum for page 321 of Fogg and Sangster (2003): Data from Yates and Gan (1998) are cited with a typo. The value at 313.2 K should probably be 4.78×10^{-6}, not 4.78×10^{-2}.

287) Erratum for page 285 of Fogg and Sangster (2003): The data in their table looks strange (9.70R) and is not used here.

288) The regression given by Fogg and Sangster (2003) does not produce the data in their table. Thus the regression was recalculated.

289) Kruis and May (1962) present data based on Booth and Jolley (1943). However, these data appear to be incorrect.

290) Booth and Jolley (1943) converted data from Rex (1906) to another unit. However, this was apparently not done correctly.

291) Booth and Jolley (1943) present data from Chancel and Parmentier (1885). However, in that paper only the solubility at an unknown partial pressure of CS_2 was measured.

292) Value extracted from their Fig. 46.

293) Lee and Zhou (1994) found that $H^{cp}(\mathrm{DMSO}) > 9.9\times10^{3}\,\mathrm{mol\,(m^3\,Pa)^{-1}}$.

294) It is unclear how Fogg and Sangster (2003) obtained the data. Apparently, limiting

activity coefficients γ^{∞} were taken from Trampe and Eckert (1993) but a source for vapor pressure data is not mentioned. Also, the γ^{∞} values listed in the table are different from those found in the original paper.

295) De Bruyn et al. (1994) estimate that $H^{cp}(DMSO_2) > 4.9\times10^2$ mol (m^3 Pa)$^{-1}$.

296) $H' = 6.4\times10^{11}\ \frac{\text{mol}^2}{\text{m}^6\ \text{Pa}}$

297) Value given here as quoted by Rasmussen et al. (1982).

298) Value given here as quoted by Booth and Jolley (1943).

299) Value given here as quoted by Loomis (1928).

300) Value given here as quoted by Staudinger and Roberts (2001).

301) Mackay et al. (2006d) list two values for thiobencarb which differ by a large factor. It is unclear which number is correct (if any) and the data is not reproduced here.

302) Kawamoto and Urano (1989) found that H^{cp}(trichlorfon) $> 8.1\times10^2$ mol (m^3 Pa)$^{-1}$.

303) Extrapolated from data at elevated temperatures.

304) Wilhelm et al. (1977) and Abraham (1979) are quoted as the source. However, the data cannot be found there.

305) Shon et al. (2005) refer to Petersen et al. (1998) as the source but this value cannot be found there.

306) The value from their experiment 7 at 10 °C is not used in the determination of the temperature dependence because of very different ionic strengths and concentrations for that experiment.

307) Temperature dependence calculated using linear free energy relationships (LFER).