AQUEOUS SOLUBILITY AND HENRY'S LAW CONSTANTS OF ORGANIC COMPOUNDS

The solubility in water of about 580 organic compounds, including many compounds of environmental interest, is tabulated here. Values are given at 25°C or at the nearest temperature to this where data are available. In some cases solubility values are given at other temperatures as well.

Solubility of solids is defined as the concentration of the compound in a solution that is in equilibrium with the solid phase at the specified temperature and one atmosphere pressure. For liquids whose water mixtures separate into two phases, the solubility given here is the concentration of the compound in the water-rich phase at equilibrium. In the case of gases (i.e., compounds whose vapor pressure at the specified temperature exceeds one atmosphere) the solubility is defined here as the concentration in the water phase when the partial pressure of the compound above the solution is 101.325 kPa (1 atm). Values for gases are marked with an asterisk.

All solubility values are expressed as mass percent of solute, $S = 100\, w_2$, where the mass fraction w_2 is given by $w_2 = m_2/(m_1 + m_2)$. In these equations m_2 is the mass of solute and m_1 the mass of water. This quantity is related to other common measures of solubility as follows:

Molality: $m_2 = 1000 w_2/M_2(1\text{-}w_2)$

Mole fraction: $x_2 = (w_2/M_2)/\{(w_2/M_2) + (1\text{-}w_2)/M_1\}$

Mass of solute per 100 g of H_2O: $r_2 = 100 w_2/(1\text{-}w_2)$

Here M_2 is the molar mass of the solute and $M_1 = 18.015$ g/mol is the molar mass of water. For small values of S the amount of substance concentration c_2 in moles per liter is approximately $10S/M_2$.

Data have been selected from evaluated sources wherever possible, in particular the *IUPAC Solubility Data Series* (References 1-4). The primary source for each value is listed in the column following the solubility values. The user is cautioned that wide variations of data are found in the literature for the lower solubility compounds.

The table also contains values of the Henry's Law constant k_H, which provides a measure of the partition of a substance between the atmosphere and the aqueous phase. Here k_H is defined as the limit of p_2/c_2 as the concentration approaches zero, where p_2 is the partial pressure of the solute above the solution and c_2 is the concentration in the solution at equilibrium (other formulations of Henry's Law are often used; see Reference 5). The values of k_H listed here are based on direct experimental measurement whenever available, but many of them are simply calculated as the ratio of the pure compound vapor pressure to the solubility. This approximation is reliable only for compounds of very low solubility. In fact, values of k_H found in the literature frequently differ by a factor of two or three, and variations over an order of magnitude are not unusual (Reference 5). Therefore the data given here should be taken only as a rough indication of the true Henry's Law constant, which is difficult to measure precisely.

All values of k_H refer to 25°C. If the vapor pressure of the compound at 25°C is greater than one atmosphere, it can be assumed that the k_H value has been calculated as $101.325/c_2$ kPa m^3/mol. The source of the Henry's Law data is given in the last column. The air-water partition coefficient (i.e., ratio of air concentration to water concentration when both are expressed in the same units) is equal to k_H/RT or $k_H/2.48$ in the units used here.

Compounds are listed by molecular formula following the Hill convention. To locate a compound by name or CAS Registry Number when the molecular formula is not known, use the table "Physical Constants of Organic Compounds" in Section 3 and its indexes to determine the molecular formula.

* Indicates a value of S for a gas at a partial pressure of 101.325 kPa (1 atm) in equilibrium with the solution.

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Mol. Form.	Name	t/°C	S/mass %	Ref.	k_H/kPa m^3 mol^{-1}	Ref.
$CBrF_3$	Bromotrifluoromethane	25	0.032*	14		
CBr_3F	Tribromofluoromethane	25	0.040	14		
CBr_4	Tetrabromomethane	30	0.024	14		
$CClF_3$	Chlorotrifluoromethane	25	0.009*	10	6.9	13
CCl_2F_2	Dichlorodifluoromethane	20	0.028*	5	41	13
CCl_3F	Trichlorofluoromethane	20	0.11	5	10.2	13
CCl_4	Tetrachloromethane	25	0.065	20	2.99	13
CF_4	Tetrafluoromethane	25	0.00187*	19		
$CHBr_3$	Tribromomethane	25	0.30	5	0.047	13
$CHClF_2$	Chlorodifluoromethane	25	0.30*	10	3.0	13
$CHCl_2F$	Dichlorofluoromethane	25	0.95*	10		
$CHCl_3$	Trichloromethane	25	0.80	20	0.43	13
CHF_3	Trifluoromethane	25	0.09*	14		
CHI_3	Triiodomethane	25	0.012	14		
CH_2BrCl	Bromochloromethane	25	1.7	10	0.18	13
CH_2Br_2	Dibromomethane	25	1.14	14	0.086	13
CH_2ClF	Chlorofluoromethane	25	1.05*	14		
CH_2Cl_2	Dichloromethane	25	1.73	20	0.30	13
CH_2I_2	Diiodomethane	30	0.124	10	0.032	13
CH_3Br	Bromomethane	20	1.80*	5	0.63	13
CH_3Cl	Chloromethane	25	0.535*	5	0.98	13
CH_3F	Fluoromethane	30	0.177*	5		
CH_3I	Iodomethane	20	1.4	10	0.54	13
CH_3NO_2	Nitromethane	25	11.1	10		
CH_4	Methane	25	0.00227*	18	67.4	5
CO	Carbon monoxide	25	0.00276*	18		
CO_2	Carbon dioxide	25	0.1501	18		
CS_2	Carbon disulfide	20	0.210	10		
C_2ClF_5	Chloropentafluoroethane	25	0.006*	10	260	13
$C_2Cl_2F_4$	1,2-Dichlorotetrafluoroethane	25	0.013*	10	127	13
$C_2Cl_3F_3$	1,1,2-Trichlorotrifluoroethane	25	0.017	10	32	13
C_2Cl_4	Tetrachloroethylene	25	0.026	20	1.73	13
$C_2Cl_4F_2$	1,1,2,2-Tetrachloro-1,2-difluoroethane	25	0.012	10		
C_2Cl_6	Hexachloroethane	25	0.0050	5	0.85	13
C_2F_4	Tetrafluoroethylene	25	0.0158*	19		
C_2HCl_3	Trichloroethylene	25	0.11	5	1.03	13
C_2HCl_5	Pentachloroethane	25	0.048	5	0.25	13
C_2H_2	Acetylene	25	0.1081*	19		
$C_2H_2Br_4$	1,1,2,2-Tetrabromoethane	30	0.0651	10		
$C_2H_2Cl_2$	1,1-Dichloroethylene	25	0.040	5	2.62	13
$C_2H_2Cl_2$	*cis*-1,2-Dichloroethylene	25	0.35	5	0.46	13
$C_2H_2Cl_2$	*trans*-1,2-Dichloroethylene	25	0.63	5	0.96	13
$C_2H_2Cl_4$	1,1,1,2-Tetrachloroethane	25	0.11	5	0.24	13
$C_2H_2Cl_4$	1,1,2,2-Tetrachloroethane	25	0.30	5	0.026	13
C_2H_3Cl	Chloroethylene	25	0.27*	5	2.68	13
$C_2H_3Cl_3$	1,1,1-Trichloroethane	25	0.072	5	1.76	13
$C_2H_3Cl_3$	1,1,2-Trichloroethane	25	0.442	5	0.092	13
C_2H_4	Ethylene	25	0.01336*	19	21.7	5
C_2H_4BrCl	1-Bromo-2-chloroethane	30	0.683	10		
$C_2H_4Br_2$	1,2-Dibromoethane	25	0.17	5	0.066	13
$C_2H_4Cl_2$	1,1-Dichloroethane	25	0.51	5	0.63	13
$C_2H_4Cl_2$	1,2-Dichloroethane	25	0.75	20	0.14	13
$C_2H_4O_2$	Methyl formate	25	23	10		
C_2H_5Br	Bromoethane	20	0.91	10	1.23	13
C_2H_5Cl	Chloroethane	20	0.57*	5	1.02	13
C_2H_5F	Fluoroethane	25	0.216*	14		
C_2H_5I	Iodoethane	30	3.88	10	0.52	13
C_2H_5NO	Acetamide	20	40.8	10		
$C_2H_5NO_2$	Nitroethane	25	4.68	10		
C_2H_6	Ethane	25	0.00568*	18	50.6	5

AQUEOUS SOLUBILITY AND HENRY'S LAW CONSTANTS OF ORGANIC COMPOUNDS (continued)

Mol. Form.	Name	*t*/°C	*S*/mass %	Ref.	k_H/kPa m^3 mol^{-1}	Ref.
C_2H_6O	Dimethyl ether	24	35.3*	10	0.077	13
C_2H_6OS	Dimethyl sulfoxide	25	25.3	10		
C_2H_6S	Dimethyl sulfide	25	2	10		
C_3Cl_6	Hexachloropropene	25	0.00170	14		
C_3F_6	Perfluoropropene	25	0.0194*	14		
C_3F_8	Perfluoropropane	15	0.0015*	14		
C_3H_3N	2-Propenenitrile	20	7.35	10		
C_3H_4	Propyne	25	0.364*	5	1.11	5
$C_3H_4Cl_2$	*cis*-1,3-Dichloropropene	25	0.27	5	0.24	5
$C_3H_4Cl_2$	*trans*-1,3-Dichloropropene	20	0.28	5	0.18	5
$C_3H_4Cl_2$	2,3-Dichloropropene	25	0.215	5	0.36	5
C_3H_4O	Acrolein	20	20.8	10		
C_3H_5Cl	3-Chloropropene	25	0.33	5	1.10	5
C_3H_5ClO	Epichlorohydrin	20	6.58	10	0.003	13
$C_3H_5Cl_3$	1,2,3-Trichloropropane	20	0.19	10	0.038	13
C_3H_5N	Propanenitrile	25	10.3	10		
C_3H_6	Propene	25	0.0200*	5	21.3	5
C_3H_6	Cyclopropane	25	0.0484*	19		
$C_3H_6Br_2$	1,2-Dibromopropane	25	0.143	10		
$C_3H_6Cl_2$	1,2-Dichloropropane	25	0.247	10	0.29	13
$C_3H_6N_6O_6$	Hexahydro-1,3,5-trinitro-1,3,5-triazine	25	0.0060	17		
C_3H_6O	Propanal	25	30.6	10		
C_3H_6O	Methyloxirane	20	40.5	10	0.0087	13
$C_3H_6O_2$	Ethyl formate	25	11.8	10		
$C_3H_6O_2$	Methyl acetate	20	24.5	10		
C_3H_7Br	1-Bromopropane	30	0.230	10	3.8	13
C_3H_7Br	2-Bromopropane	18	0.286	10	1.27	13
C_3H_7Cl	1-Chloropropane	20	0.271	10	1.41	13
C_3H_7Cl	2-Chloropropane	12	0.342	10		
C_3H_7F	1-Fluoropropane	14	0.386*	14		
C_3H_7F	2-Fluoropropane	15	0.366	14		
C_3H_7I	1-Iodopropane	30	0.104	10	0.93	13
C_3H_7I	2-Iodopropane	20	0.140	10		
$C_3H_7NO_2$	1-Nitropropane	25	1.50	10		
$C_3H_7NO_2$	2-Nitropropane	25	1.71	10		
C_3H_8	Propane	25	0.00669*	18	71.6	5
$C_3H_8O_2$	Dimethoxymethane	16	24.4	10		
C_4F_8	Perfluorocyclobutane	21	0.014*	14		
$C_4H_4N_2$	Succinonitrile	25	11.5	10		
C_4H_4O	Furan	25	1	10	0.54	13
C_4H_5N	Methylacrylonitrile	20	2.57	10		
C_4H_5N	Pyrrole	25	4.5	10		
C_4H_6	1,3-Butadiene	25	0.0735*	5	20.7	13
C_4H_6	1-Butyne	25	0.287*	5	1.91	5
C_4H_6O	*trans*-2-Butenal	20	15.6	10		
$C_4H_6O_2$	Methacrylic acid	20	8.9	10		
$C_4H_6O_2$	*trans*-Crotonic acid	25	9	10		
$C_4H_6O_2$	Vinyl acetate	20	2.0	10		
$C_4H_6O_2$	Methyl acrylate	25	4.94	10		
C_4H_7Cl	1-Chloro-2-methylpropene	25	0.916	5	0.12	5
C_4H_7N	Butanenitrile	20	3.3	10		
C_4H_8	1-Butene	25	0.0222*	5	25.6	13
C_4H_8	Isobutene	25	0.0263*	5	21.6	13
$C_4H_8Cl_2O$	Bis(2-chloroethyl) ether	25	1.03	20	0.003	13
C_4H_8O	*cis*-Crotonyl alcohol	20	16.6	10		
C_4H_8O	Ethyl vinyl ether	20	0.9	10		
C_4H_8O	Butanal	25	7.1	10		
C_4H_8O	Isobutanal	20	9.1	10		
C_4H_8O	2-Butanone	25	25.9	20		
$C_4H_8O_2$	2-Methylpropanoic acid	20	22.8	10		

AQUEOUS SOLUBILITY AND HENRY'S LAW CONSTANTS OF ORGANIC COMPOUNDS (continued)

Mol. Form.	Name	t/°C	S/mass %	Ref.	k_H/kPa m^3 mol^{-1}	Ref.
$C_4H_8O_2$	Propyl formate	22	2.05	10		
$C_4H_8O_2$	Ethyl acetate	25	8.08	10		
C_4H_9Br	1-Bromobutane	30	0.0608	10	1.2	13
C_4H_9Cl	1-Chlorobutane	20	0.11	10	1.54	13
C_4H_9Cl	1-Chloro-2-methylpropane	12	0.092	10		
C_4H_9I	1-Iodobutane	17	0.012	10	1.87	13
C_4H_{10}	Butane	25	0.00724*	18	95.9	5
C_4H_{10}	Isobutane	25	0.00535*	18	120	5
$C_4H_{10}O$	Diethyl ether	25	6.04	10	0.088	13
$C_4H_{10}O$	1-Butanol	0	10.4	1		
		25	7.4	1		
		50	6.4	1		
$C_4H_{10}O$	2-Butanol	10	23.9	1		
		25	18.1	1		
		50	14.0	1		
$C_4H_{10}O$	2-Methyl-1-propanol	0	11.5	1		
		25	8.1	1		
		50	6.5	1		
$C_4H_{10}S$	1-Butanethiol	20	0.0597	10		
$C_4H_{11}NO_2$	Diethanolamine	20	95.4	10		
$C_4H_{12}Si$	Tetramethylsilane	25	0.00196	10		
$C_5H_4O_2$	Furfural	20	8.2	10		
C_5H_6	1,3-Cyclopentadiene	25	0.068	3		
$C_5H_7NO_2$	Ethyl cyanoacetate	20	25.9	10		
C_5H_8	1,4-Pentadiene	25	0.056	3	12	5
C_5H_8	2-Methyl-1,3-butadiene	25	0.061	3	7.78	5
		50	0.076*	3		
C_5H_8	1-Pentyne	25	0.157	3	2.5	5
C_5H_8	Cyclopentene	25	0.054	3	6.56	13
$C_5H_8O_2$	Ethyl acrylate	25	1.50	10		
$C_5H_8O_2$	Methyl methacrylate	20	1.56	10		
$C_5H_8O_2$	2,4-Pentanedione	20	16.6	10		
C_5H_{10}	1-Pentene	25	0.0148	3	40.3	5
C_5H_{10}	*cis*-2-Pentene	25	0.0203	3	22.8	5
C_5H_{10}	3-Methyl-1-butene	25	0.013*	3	54.7	5
C_5H_{10}	2-Methyl-2-butene	25	0.041	3		
C_5H_{10}	Cyclopentane	25	0.0157	3	19.1	13
$C_5H_{10}O$	2-Pentanone	25	5.5	20		
$C_5H_{10}O$	3-Pentanone	25	4.72	20		
$C_5H_{10}O$	2-Methyltetrahydrofuran	25	13.9	10	0.67	13
$C_5H_{10}O_2$	Pentanoic acid	20	2.4	10		
$C_5H_{10}O_2$	3-Methylbutanoic acid	21	4.1	10		
$C_5H_{10}O_2$	Isobutyl formate	22	1.0	10		
$C_5H_{10}O_2$	Propyl acetate	20	2.3	10		
$C_5H_{10}O_2$	Isopropyl acetate	20	2.9	10		
$C_5H_{10}O_2$	Ethyl propanoate	20	1.92	10		
$C_5H_{11}Br$	1-Bromopentane	25	0.0127	10		
$C_5H_{11}Cl$	1-Chloropentane	25	0.02	10	2.37	13
C_5H_{12}	Pentane	25	0.0041	3	128	13
C_5H_{12}	Isopentane	25	0.00485	3	479	13
C_5H_{12}	Neopentane	25	0.00332*	3	220	13
$C_5H_{12}O$	1-Pentanol	0	3.1	1		
		25	2.20	1		
		50	1.8	1		
$C_5H_{12}O$	2-Pentanol	25	4.3	21		
$C_5H_{12}O$	3-Pentanol	25	5.6	21		
$C_5H_{12}O$	2-Methyl-1-butanol	25	3.0	3		
$C_5H_{12}O$	3-Methyl-1-butanol	25	2.7	1		
$C_5H_{12}O$	2-Methyl-2-butanol	25	11.0	1		
$C_5H_{12}O$	3-Methyl-2-butanol	25	5.6	1		

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Mol. Form.	Name	*t*/°C	*S*/mass %	Ref.	k_H/kPa m^3 mol^{-1}	Ref.
$C_5H_{12}O$	2,2-Dimethyl-1-propanol	25	3.5	1		
$C_5H_{12}O$	Methyl *tert*-butyl ether	25	3.62	20	0.070	13
C_6Cl_6	Hexachlorobenzene	25	0.0000005	2	0.131	11
C_6HCl_5	Pentachlorobenzene	25	0.000055	2	0.085	11
C_6HCl_5O	Pentachlorophenol	25	0.0010	2		
$C_6H_2Br_4$	1,2,4,5-Tetrabromobenzene	25	0.00000434	2		
$C_6H_2Cl_4$	1,2,3,4-Tetrachlorobenzene	25	0.0000433	2	0.144	11
$C_6H_2Cl_4$	1,2,3,5-Tetrachlorobenzene	25	0.000346	2	0.59	11
$C_6H_2Cl_4$	1,2,4,5-Tetrachlorobenzene	25	0.0000606	2	0.122	11
$C_6H_2Cl_4O$	2,3,4,6-Tetrachlorophenol	25	1.8	2		
$C_6H_2Cl_4O_2$	3,4,5,6-Tetrachloro-1,2-benzenediol	25	0.071	8		
$C_6H_3Br_3$	1,2,4-Tribromobenzene	25	0.0010	2		
$C_6H_3Br_3$	1,3,5-Tribromobenzene	25	0.0000789	2		
$C_6H_3Br_3O$	2,4,6-Tribromophenol	15	0.0007	2		
$C_6H_3Cl_3$	1,2,3-Trichlorobenzene	25	0.00309	2	0.242	11
$C_6H_3Cl_3$	1,2,4-Trichlorobenzene	25	0.00379	2	0.277	11
$C_6H_3Cl_3$	1,3,5-Trichlorobenzene	25	0.000655	2	1.1	11
$C_6H_3Cl_3O$	2,4,5-Trichlorophenol	25	0.1	2		
$C_6H_3Cl_3O$	2,4,6-Trichlorophenol	25	0.04	2		
$C_6H_3Cl_3O_2$	3,4,5-Trichloro-1,2-benzenediol	25	0.051	8		
C_6H_4BrCl	1-Bromo-2-chlorobenzene	25	0.0124	2		
C_6H_4BrCl	1-Bromo-3-chlorobenzene	25	0.0118	2		
C_6H_4BrCl	1-Bromo-4-chlorobenzene	25	0.00442	2		
C_6H_4BrI	1-Bromo-4-iodobenzene	25	0.000794	2		
$C_6H_4Br_2$	*o*-Dibromobenzene	25	0.00748	2		
$C_6H_4Br_2$	*m*-Dibromobenzene	25	0.0064	2		
$C_6H_4Br_2$	*p*-Dibromobenzene	25	0.0020	2		
$C_6H_4Br_2O$	2,4-Dibromophenol	25	0.2	2		
C_6H_4ClI	1-Chloro-2-iodobenzene	25	0.00689	2		
C_6H_4ClI	1-Chloro-3-iodobenzene	25	0.00674	2		
C_6H_4ClI	1-Chloro-4-iodobenzene	25	0.00311	2		
$C_6H_4Cl_2$	*o*-Dichlorobenzene	0	0.0142	2		
		25	0.0147	2	0.244	11
		50	0.0212	2		
$C_6H_4Cl_2$	*m*-Dichlorobenzene	10	0.0103	2		
		25	0.0106	2	0.376	11
		50	0.0165	2		
$C_6H_4Cl_2$	*p*-Dichlorobenzene	10	0.00512	2		
		25	0.00829	2	0.160	11
		50	0.0167	2		
$C_6H_4Cl_2O$	2,4-Dichlorophenol	20	0.45	2		
$C_6H_4Cl_2O_2$	3,5-Dichloro-1,2-benzenediol	25	0.78	8		
$C_6H_4Cl_2O_2$	4,5-Dichloro-1,2-benzenediol	25	1.19	8		
$C_6H_4F_2$	*o*-Difluorobenzene	25	0.114	2		
$C_6H_4F_2$	*m*-Difluorobenzene	25	0.114	2		
$C_6H_4F_2$	*p*-Difluorobenzene	25	0.122	2		
$C_6H_4I_2$	*o*-Diiodobenzene	25	0.00192	2		
$C_6H_4I_2$	*m*-Diiodobenzene	25	0.000185	2		
$C_6H_4I_2$	*p*-Diiodobenzene	25	0.000893	2		
C_6H_5Br	Bromobenzene	10	0.0387	2		
		25	0.0445	2	0.21	5
		40	0.0516	2		
C_6H_5BrO	*p*-Bromophenol	25	1.86	2		
C_6H_5Cl	Chlorobenzene	10	0.0387	2		
		25	0.0495	2	0.38	11
		50	0.0882	2		
C_6H_5ClO	*o*-Chlorophenol	25	2.0	2		
C_6H_5ClO	*m*-Chlorophenol	25	2.2	2		
C_6H_5ClO	*p*-Chlorophenol	25	2.7	2		
C_6H_5F	Fluorobenzene	27	0.154	2	0.70	11

AQUEOUS SOLUBILITY AND HENRY'S LAW CONSTANTS OF ORGANIC COMPOUNDS (continued)

Mol. Form.	Name	t/°C	S/mass %	Ref.	k_H/kPa m^3 mol^{-1}	Ref.
C_6H_5I	Iodobenzene	10	0.0193	2		
		25	0.0226	2	0.078	11
		45	0.0279	2		
$C_6H_5NO_2$	Nitrobenzene	25	0.21	17		
C_6H_6	Benzene	10	0.178	3		
		25	0.177	3	0.557	11
		50	0.208	3		
C_6H_6ClN	*o*-Chloroaniline	25	0.876	10		
C_6H_6O	Phenol	25	8.66	10		
C_6H_7N	Aniline	25	3.38	10	14	15
C_6H_8	1,4-Cyclohexadiene	25	0.08	3	1.03	13
$C_6H_8N_2$	Adiponitrile	20	0.80	16		
$C_6H_8O_4$	Dimethyl maleate	25	8.0	10		
C_6H_{10}	1,5-Hexadiene	25	0.017	3		
C_6H_{10}	1-Hexyne	25	0.036	3	4.14	13
C_6H_{10}	Cyclohexene	25	0.016	3	4.57	13
$C_6H_{10}O$	Cyclohexanone	25	8.8	20		
$C_6H_{10}O$	Mesityl oxide	20	2.89	10		
$C_6H_{10}O_3$	Ethyl acetoacetate	25	12	10		
$C_6H_{11}NO$	Caprolactam	25	84.0	10		
C_6H_{12}	1-Hexene	25	0.0053	3	41.8	5
C_6H_{12}	*trans*-2-Hexene	25	0.0067	3		
C_6H_{12}	2-Methyl-1-pentene	25	0.0078	3	28.1	5
C_6H_{12}	4-Methyl-1-pentene	25	0.0048	3	63.2	5
C_6H_{12}	2,3-Dimethyl-1-butene	30	0.046	3		
C_6H_{12}	Cyclohexane	25	0.0058	3	19.4	13
C_6H_{12}	Methylcyclopentane	25	0.0043	3	36.7	5
$C_6H_{12}O$	1-Hexen-3-ol	25	2.52	1		
$C_6H_{12}O$	4-Hexen-2-ol	25	3.81	1		
$C_6H_{12}O$	Cyclohexanol	10	4.62	1		
		25	3.8	1		
		40	3.30	1		
$C_6H_{12}O$	Butyl vinyl ether	20	0.3	10		
$C_6H_{12}O$	2-Hexanone	20	1.75	10		
$C_6H_{12}O$	4-Methyl-2-pentanone	25	1.7	10		
$C_6H_{12}O_2$	Hexanoic acid	20	0.958	10		
$C_6H_{12}O_2$	Butyl acetate	20	0.68	10		
$C_6H_{12}O_2$	Isobutyl acetate	20	0.63	10		
$C_6H_{12}O_2$	*sec*-Butyl acetate	20	0.62	10		
$C_6H_{12}O_2$	Ethyl butanoate	20	0.49	10		
C_6H_{14}	Hexane	25	0.0011	3	183	13
		60	0.00136	3		
C_6H_{14}	2-Methylpentane	25	0.00137	3	176	13
C_6H_{14}	3-Methylpentane	25	0.00129	3	170	13
C_6H_{14}	2,2-Dimethylbutane	25	0.0021	3	199	13
C_6H_{14}	2,3-Dimethylbutane	25	0.0021	3	144	13
$C_6H_{14}O$	1-Hexanol	0	0.79	1		
		25	0.60	1		
		50	0.51	1		
$C_6H_{14}O$	2-Hexanol	25	1.4	1		
$C_6H_{14}O$	3-Hexanol	25	1.6	1		
$C_6H_{14}O$	Dipropyl ether	25	0.49	10	0.26	13
$C_6H_{14}O$	2-Methyl-1-pentanol	25	0.81	1		
$C_6H_{14}O$	4-Methyl-1-pentanol	25	0.76	1		
$C_6H_{14}O$	2-Methyl-2-pentanol	25	3.2	1		
$C_6H_{14}O$	3-Methyl-2-pentanol	25	1.9	1		
$C_6H_{14}O$	4-Methyl-2-pentanol	27	1.5	1		
$C_6H_{14}O$	2-Methyl-3-pentanol	25	2.0	1		
$C_6H_{14}O$	3-Methyl-3-pentanol	25	4.3	1		
$C_6H_{14}O$	2-Ethyl-1-butanol	25	1.0	1		

AQUEOUS SOLUBILITY AND HENRY'S LAW CONSTANTS OF ORGANIC COMPOUNDS (continued)

Mol. Form.	Name	t/°C	S/mass %	Ref.	k_H/kPa m^3 mol^{-1}	Ref.
$C_6H_{14}O$	2,2-Dimethyl-1-butanol	25	0.8	1		
$C_6H_{14}O$	Diisopropyl ether	20	1.2	10	0.26	13
$C_6H_{14}O$	2,3-Dimethyl-2-butanol	25	4.2	1		
$C_6H_{14}O$	3,3-Dimethyl-2-butanol	25	2.4	1		
$C_6H_{14}O_2$	1,1-Diethoxyethane	25	5	10		
$C_6H_{15}N$	Dipropylamine	20	2.5	10		
$C_6H_{15}N$	Triethylamine	20	5.5	10		
$C_7H_4Cl_4O$	2,3,4,6-Tetrachloro-5-methylphenol	25	0.00061	2		
$C_7H_5Cl_3$	(Trichloromethyl)benzene	5	0.0053	10		
$C_7H_5Cl_3O$	2,4,6-Trichloro-3-methylphenol	25	0.0112	2		
C_7H_5N	Benzonitrile	25	0.2	10		
C_7H_5NO	Benzoxazole	20	0.834	6		
$C_7H_6Cl_2$	(Dichloromethyl)benzene	30	0.025	10		
$C_7H_6Cl_2O$	2,6-Dichloro-4-methylphenol	25	0.0673	2		
$C_7H_6Cl_2O$	2,4-Dichloro-6-methylphenol	25	0.0283	2		
$C_7H_6N_2$	1*H*-Benzimidazole	20	0.201	6		
$C_7H_6N_2$	1*H*-Indazole	20	0.0827	6		
C_7H_6O	Benzaldehyde	20	0.3	10		
$C_7H_6O_2$	Salicylaldehyde	86	1.68	10		
C_7H_7Br	*p*-Bromotoluene	25	0.011	2		
C_7H_7Cl	(Chloromethyl)benzene	20	0.0493	10		
C_7H_7ClO	4-Chloro-2-methylphenol	25	0.68	2		
C_7H_7ClO	4-Chloro-3-methylphenol	25	0.40	2		
C_7H_7ClO	2-Chloro-6-methylphenol	25	0.36	2		
$C_7H_7NO_3$	2-Nitroanisole	30	0.619	10		
C_7H_8	Toluene	5	0.063	3		
		25	0.053	3	0.680	13
C_7H_8	1,3,5-Cycloheptatriene	25	0.064	3	0.47	13
C_7H_8	1,6-Heptadiyne	25	0.125	3		
C_7H_8O	Benzyl alcohol	20	0.08	10		
C_7H_8O	*o*-Cresol	40	3.08	10		
C_7H_8O	*m*-Cresol	40	2.51	10		
C_7H_8O	*p*-Cresol	40	2.26	10		
C_7H_8O	Anisole	25	0.19	20	0.025	13
C_7H_9N	*o*-Methylaniline	20	1.66	10		
C_7H_9N	*p*-Methylaniline	21	7.35	10		
C_7H_{12}	1-Heptyne	25	0.0094	3	4.47	13
C_7H_{12}	Cycloheptene	25	0.0066	3	4.9	13
C_7H_{12}	1-Methylyclohexene	25	0.0052	3		
C_7H_{14}	1-Heptene	25	0.032	3	40.3	13
C_7H_{14}	*trans*-2-Heptene	25	0.015	3	42.2	13
C_7H_{14}	Cycloheptane	25	0.0030	3	9.59	13
C_7H_{14}	Methylcyclohexane	25	0.00151	3	43.3	13
		50	0.0019	3		
C_7H_{14}	Ethylcyclopentane	20	0.012	3		
$C_7H_{14}O$	2-Heptanone	25	0.43	10		
$C_7H_{14}O$	3-Heptanone	20	1.43	10		
$C_7H_{14}O$	2,4-Dimethyl-3-pentanone	20	0.59	10		
$C_7H_{14}O_2$	Pentyl acetate	20	0.17	10		
$C_7H_{14}O_2$	Isopentyl acetate	20	0.2	10		
$C_7H_{14}O_2$	Ethyl 3-methylbutanoate	20	0.2	10		
C_7H_{16}	Heptane	0	0.0003	3		
		25	0.00024	3	209	13
		40	0.00025	3		
C_7H_{16}	2-Methylhexane	25	0.00025	3	346	5
C_7H_{16}	3-Methylhexane	25	0.00026	3	249	13
C_7H_{16}	2,2-Dimethylpentane	25	0.00044	3	318	5
C_7H_{16}	2,3-Dimethylpentane	25	0.00052	3	175	5
C_7H_{16}	2,4-Dimethylpentane	25	0.00042	3	323	13
C_7H_{16}	3,3-Dimethylpentane	25	0.00059	3	186	5

AQUEOUS SOLUBILITY AND HENRY'S LAW CONSTANTS OF ORGANIC COMPOUNDS (continued)

Mol. Form.	Name	*t*/°C	*S*/mass %	Ref.	k_H/kPa m^3 mol^{-1}	Ref.
$C_7H_{16}O$	1-Heptanol	10	0.25	1		
		25	0.174	1		
		50	0.12	1		
$C_7H_{16}O$	2-Heptanol	30	0.33	1		
$C_7H_{16}O$	3-Heptanol	25	0.43	1		
$C_7H_{16}O$	4-Heptanol	25	0.47	1		
$C_7H_{16}O$	2-Methyl-2-hexanol	25	1.0	1		
$C_7H_{16}O$	5-Methyl-2-hexanol	25	0.49	1		
$C_7H_{16}O$	3-Methyl-3-hexanol	25	1.2	1		
$C_7H_{16}O$	2,3-Dimethyl-2-pentanol	25	1.5	1		
$C_7H_{16}O$	2,4-Dimethyl-2-pentanol	25	1.3	1		
$C_7H_{16}O$	3-Ethyl-3-pentanol	25	1.7	1		
$C_7H_{16}O$	2,2-Dimethyl-3-pentanol	25	0.82	1		
$C_7H_{16}O$	2,3-Dimethyl-3-pentanol	25	1.6	1		
$C_7H_{16}O$	2,4-Dimethyl-3-pentanol	25	0.70	1		
$C_7H_{16}O$	2,3,3-Trimethyl-2-butanol	40	2.2	1		
$C_8H_4F_6$	1,3-Bis(trifluoromethyl)benzene	25	0.0041	2		
$C_8H_6N_2$	Quinoxaline	50	54	6		
C_8H_6S	Benzo[b]thiophene	20	0.0130	6		
$C_8H_7ClO_3$	3-Chloro-4-hydroxy-5-methoxybenzaldehyde	25	0.093	8		
$C_8H_7ClO_3$	2-Chloro-4-hydroxy-5-methoxybenzaldehyde	25	0.013	8		
$C_8H_7Cl_3O$	2,4,6-Trichloro-3,5-dimethylphenol	25	0.00050	2		
C_8H_7N	Indole	20	0.187	6		
C_8H_8	Styrene	25	0.025	4	0.3	15
		50	0.046	4	0.30	13
$C_8H_8N_2$	2-Methyl-1H-benzimidazole	20	0.145	6		
C_8H_8O	Acetophenone	25	0.55			
$C_8H_8O_2$	Methyl benzoate	20	0.21	10		
$C_8H_8O_3$	Methyl salicylate	30	0.74	10		
$C_8H_8O_3$	4-Hydroxy-3-methoxybenzaldehyde	25	0.247	8		
C_8H_9ClO	4-Chloro-2,5-dimethylphenol	25	0.89	2		
C_8H_9ClO	4-Chloro-2,6-dimethylphenol	25	0.52	2		
C_8H_9ClO	4-Chloro-3,5-dimethylphenol	25	0.34	2		
C_8H_{10}	Ethylbenzene	0	0.020	4		
		25	0.0169	4	0.887	11
		40	0.0200	4		
C_8H_{10}	*o*-Xylene	25	0.0173	4	0.565	13
		45	0.021	4		
C_8H_{10}	*m*-Xylene	0	0.0203	4		
		25	0.016	4	0.730	13
		40	0.022	4		
C_8H_{10}	*p*-Xylene	0	0.0160	4		
		25	0.018	4	0.578	13
		40	0.022	4		
$C_8H_{10}O$	Phenetole	25	0.12	10		
$C_8H_{10}O$	2,4-Xylenol	25	0.787	10		
$C_8H_{10}O$	3,5-Xylenol	29	0.62	10		
C_8H_{12}	4-Vinylcyclohexene	25	0.005	4		
C_8H_{14}	1-Octyne	25	0.0024	4	7.87	13
C_8H_{16}	1-Octene	25	0.00027	4	96.3	13
C_8H_{16}	Cyclooctane	25	0.00079	4	10.7	13
C_8H_{16}	Ethylcyclohexane	40	0.00066	4		
C_8H_{16}	*cis*-1,2-Dimethylcyclohexane	25	0.00060	4	36	5
C_8H_{16}	*trans*-1,4-Dimethylcyclohexane	25	0.000384	4	88.2	5
C_8H_{16}	Propylcyclopentane	25	0.00020	4	90.2	5
C_8H_{16}	1,1,3-Trimethylcyclopentane	25	0.00037	4	159	5
$C_8H_{16}O$	2-Octanone	25	0.113	10		
$C_8H_{16}O_2$	Octanoic acid	25	0.0798	10		

AQUEOUS SOLUBILITY AND HENRY'S LAW CONSTANTS OF ORGANIC COMPOUNDS (continued)

Mol. Form.	Name	t/°C	S/mass %	Ref.	k_H/kPa m^3 mol^{-1}	Ref.
$C_8H_{16}O_2$	Hexyl acetate	20	0.02	10		
$C_8H_{16}O_2$	sec-Hexyl acetate	20	0.13	10		
$C_8H_{16}O_2$	Isobutyl isobutanoate	20	0.5	10		
$C_8H_{17}Cl$	3-(Chloromethyl)heptane	20	0.01	10		
C_8H_{18}	Octane	25	0.000071	4	311	13
		50	0.00010	4		
C_8H_{18}	3-Methylheptane	25	0.000079	4	376	5
C_8H_{18}	2,2,4-Trimethylpentane	25	0.00022	4	307	13
C_8H_{18}	2,3,4-Trimethylpentane	25	0.00018	4	206	13
$C_8H_{18}O$	Dibutyl ether	20	0.03	10	0.48	13
$C_8H_{18}O$	1-Octanol	25	0.054	1		
$C_8H_{18}O$	2-Octanol	25	0.4	1		
$C_8H_{18}O$	2-Methyl-2-heptanol	30	0.25	1		
$C_8H_{18}O$	2-Ethyl-1-hexanol	25	0.01	1		
$C_8H_{19}N$	Dibutylamine	20	0.47	10		
$C_8H_{19}N$	2-Ethylhexylamine	20	0.25	10		
$C_8H_{20}Si$	Tetraethylsilane	25	0.0000325	10		
C_9H_7N	Quinoline	20	0.633	6		
C_9H_7N	Isoquinoline	20	0.452	6		
C_9H_9N	3-Methyl-1H-indole	20	0.050	6		
C_9H_{10}	Indan	25	0.010	4		
$C_9H_{10}O_2$	Ethyl benzoate	25	0.083	20		
C_9H_{12}	1,8-Nonadiyne	25	0.0125	4		
C_9H_{12}	Propylbenzene	25	0.0055	4	1.04	11
C_9H_{12}	Isopropylbenzene	25	0.0056	4	1.47	11
C_9H_{12}	*o*-Ethyltoluene	25	0.0093	5	0.529	13
C_9H_{12}	*p*-Ethyltoluene	25	0.0094	5	0.500	13
C_9H_{12}	1,2,3-Trimethylbenzene	25	0.0069	4	0.343	11
C_9H_{12}	1,2,4-Trimethylbenzene	25	0.0056	4	0.569	11
C_9H_{12}	1,3,5-Trimethylbenzene	25	0.00489	4	0.781	11
$C_9H_{14}O_6$	Triacetin	25	5.8	10		
C_9H_{16}	1-Nonyne	25	0.00072	4		
C_9H_{18}	1,1,3-Trimethylcyclohexane	25	0.000177	4	105	13
$C_9H_{18}O$	Diisobutyl ketone	25	0.043	10		
$C_9H_{18}O_2$	Nonanoic acid	20	0.0284	10		
C_9H_{20}	Nonane	25	0.000017	4	333	13
		50	0.000022	4		
C_9H_{20}	4-Methyloctane	25	0.0000115	4	1000	5
C_9H_{20}	2,2,5-Trimethylhexane	25	0.00008	4	246	13
$C_9H_{20}O$	3,5-Dimethyl-4-heptanol	15	0.072	1		
$C_9H_{20}O$	1-Nonanol	25	0.014	1		
$C_9H_{20}O$	2-Nonanol	15	0.026	1		
$C_9H_{20}O$	3-Nonanol	15	0.032	1		
$C_9H_{20}O$	4-Nonanol	15	0.0026	1		
$C_9H_{20}O$	5-Nonanol	15	0.0032	1		
$C_{10}H_7Cl$	1-Chloronaphthalene	25	0.00224	5		
$C_{10}H_7Cl$	2-Chloronaphthalene	25	0.00117	5		
$C_{10}H_8$	Naphthalene	10	0.0019	4		
		25	0.0031	4	0.0430	5
		50	0.0082	4		
$C_{10}H_9N$	3-Methylisoquinoline	20	0.092	6		
$C_{10}H_{10}O_4$	Dimethyl phthalate	25	0.40	15		
$C_{10}H_{14}$	Butylbenzene	25	0.0015	4	1.33	11
$C_{10}H_{14}$	*sec*-Butylbenzene	25	0.0014	4	1.89	11
$C_{10}H_{14}$	*tert*-Butylbenzene	25	0.0032	4	1.28	11
$C_{10}H_{14}$	Isobutylbenzene	25	0.0010	4	3.32	11
$C_{10}H_{14}$	*p*-Cymene	25	0.00234	4	0.80	5
$C_{10}H_{14}$	1,2,4,5-Tetramethylbenzene	25	0.000348	4	2.55	11
$C_{10}H_{16}$	*d*-Limonene	0	0.00097	4		
		25	0.00138	4		

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Mol. Form.	Name	t/°C	S/mass %	Ref.	k_H/kPa m^3 mol^{-1}	Ref.
$C_{10}H_{16}O$	Camphor	20	0.01	10		
$C_{10}H_{18}$	*trans*-Decahydronaphthalene	25	0.000089	4	3	13
$C_{10}H_{20}$	Pentylcyclopentane	25	0.0000115	4	185	5
$C_{10}H_{20}$	1-Decene	25	0.00057	4		
$C_{10}H_{22}$	Decane	0	0.0000015	4	479	13
$C_{10}H_{22}O$	Diisopentyl ether	20	0.02	10		
$C_{10}H_{22}O$	1-Decanol	25	0.0037	1		
$C_{11}H_{10}$	1-Methylnaphthalene	25	0.0028	4	0.0450	12
$C_{11}H_{10}$	2-Methylnaphthalene	25	0.0025	4	0.051	12
$C_{11}H_{16}$	Pentylbenzene	25	0.00105	5	1.69	11
$C_{12}Cl_{10}$	Decachlorobiphenyl	25	0.00000000012	7	0.0208	7
$C_{12}HCl_9$	2,2′,3,3′,4,5,5′,6,6′-Nonachlorobiphenyl	25	0.0000000018	7		
$C_{12}H_2Cl_8$	2,2′,3,3′5,5′,6,6′-Octachlorobiphenyl	25	0.0000003	7	0.0381	7
$C1_2H_3Cl_7$	2,2′,3,3′,4,4′,6-Heptachlorobiphenyl	25	0.0000002	7	0.0054	7
$C_{12}H_4Cl_6$	2,2′,3,3′,4,4′-Hexachlorobiphenyl	25	0.00000006	7	0.0119	7
$C_{12}H_4Cl_6$	2,2′,4,4′,6,6′-Hexachlorobiphenyl	25	0.00000007	7	0.818	7
$C_{12}H_4Cl_6$	2,2′,3,3′,6,6′-Hexachlorobiphenyl	25	0.00000008	7		
$C_{12}H_5Cl_5$	2,3,4,5,6-Pentachlorobiphenyl	25	0.0000008	7		
$C_{12}H_5Cl_5$	2,2′,4,5,5′-Pentachlorobiphenyl	25	0.000001	7	0.0355	7
$C_{12}H_6Cl_4$	2,3,4,5-Tetrachlorobiphenyl	25	0.000002	7		
$C_{12}H_6Cl_4$	2,2′,4′,5-Tetrachlorobiphenyl	25	0.0000016	9		
$C_{12}H_7Cl_3$	2,4,5-Trichlorobiphenyl	25	0.000014	7	0.0243	7
$C_{12}H_7Cl_3$	2,4,6-Trichlorobiphenyl	25	0.00002	7	0.0495	7
$C_{12}H_8Cl_2$	2,5-Dichlorobiphenyl	25	0.0002	7	0.0201	7
$C_{12}H_8Cl_2$	2,6-Dichlorobiphenyl	25	0.00014	7		
$C_{12}H_8O$	Dibenzofuran	25	0.000656	6	0.011	12
$C_{12}H_8S$	Dibenzothiophene	25	0.000103	6		
$C_{12}H_9Cl$	2-Chlorobiphenyl	25	0.00055	7	0.0701	7
$C_{12}H_9N$	Carbazole	22	0.000120	6		
$C_{12}H_{10}$	Acenaphthene	0	0.00015	4		
		25	0.00038	4	0.012	12
		50	0.00092	4		
$C_{12}H_{10}$	Biphenyl	0	0.000272	4		
		25	0.00072	4	0.028	5
		50	0.0022	4		
$C_{12}H_{10}N_2O$	*N*-Nitrosodiphenylamine	25	0.0035	17		
$C_{12}H_{10}O$	Diphenyl ether	25	0.00180	6	0.027	13
$C_{12}H_{12}$	1-Ethylnaphthalene	25	0.00101	4	0.039	12
$C_{12}H_{12}$	2-Ethylnaphthalene	25	0.00080	4	0.078	12
$C_{12}H_{12}$	1,3-Dimethylnaphthalene	25	0.0008	4		
$C_{12}H_{12}$	1,4-Dimethylnaphthalene	25	0.00114	4		
$C_{12}H_{12}$	1,5-Dimethylnaphthalene	25	0.00031	4		
$C_{12}H_{12}$	2,3-Dimethylnaphthalene	25	0.00025	4		
$C_{12}H_{12}$	2,6-Dimethylnaphthalene	25	0.00017	4		
$C_{12}H_{18}$	Hexylbenzene	25	0.00021	4		
$C_{12}H_{26}$	Dodecane	25	0.00000037	4	750	5
$C_{12}H_{26}O$	1-Dodecanol	25	0.0004	1		
$C_{12}H_{27}O_4P$	Tributyl phosphate	25	0.039	10		
$C_{13}H_9N$	Acridine	25	0.00466	6		
$C_{13}H_9N$	Benzo[f]quinoline	25	0.0079	6		
$C_{13}H_{10}$	9H-Fluorene	0	0.00007	4		
		25	0.00019	4	0.0079	12
		50	0.00063	4		
$C_{13}H_{12}$	Diphenylmethane	25	0.000141	4	0.001	12
$C_{13}H_{14}$	1,4,5-Trimethylnaphthalene	25	0.00021	4		
$C_{14}H_{10}$	Anthracene	0	0.0000022	4		
		25	0.0000062	4	0.0040	12
$C_{14}H_{10}$	Phenanthrene	10	0.000050	4		
		25	0.00011	4	0.0032	12
		50	0.00041	4		

AQUEOUS SOLUBILITY AND HENRY'S LAW CONSTANTS OF ORGANIC COMPOUNDS (continued)

Mol. Form.	Name	t/°C	S/mass %	Ref.	k_H/kPa m^3 mol^{-1}	Ref.
$C_{14}H_{12}$	*trans*-Stilbene	25	0.000029	4	0.040	12
$C_{14}H_{14}$	1,2-Diphenylethane	25	0.00044	6	0.017	12
$C_{14}H_{14}O$	Dibenzyl ether	35	0.0040	10		
$C_{14}H_{30}$	Tetradecane	25	0.000012	5		
$C_{14}H_{30}O$	1-Tetradecanol	25	0.000031	1		
$C_{15}H_{12}$	2-Methylanthracene	25	0.0000030	4		
$C_{15}H_{12}$	9-Methylanthracene	25	0.000026	4		
$C_{15}H_{12}$	1-Methylphenanthrene	25	0.0000269	4		
$C_{15}H_{32}O$	1-Pentadecanol	25	0.000010	1		
$C_{16}H_{10}$	Fluoranthene	25	0.000024	4	0.0010	12
$C_{16}H_{10}$	Pyrene	25	0.0000132	4	0.00092	12
		50	0.00009	4		
$C_{16}H_{14}$	9,10-Dimethylanthracene	25	0.0000056	4		
$C_{16}H_{22}O_4$	Dibutyl phthalate	25	0.00112	15		
$C_{16}H_{34}O$	1-Hexadecanol	25	0.000003	1		
$C_{17}H_{12}$	11H-Benzo[a]fluorene	25	0.0000045	4		
$C_{17}H_{12}$	11H-Benzo[b]fluorene	25	0.0000002	4		
$C_{18}H_{12}$	Benz[a]anthracene	25	0.0000011	4	0.00058	12
$C_{18}H_{12}$	Chrysene	25	0.00000019	4	0.006	12
$C_{18}H_{12}$	Naphthacene	25	0.00000006	4	0.000004	12
$C_{18}H_{12}$	Triphenylene	25	0.0000041	4	0.00001	12
$C_{18}H_{12}N_2$	2,2′-Biquinoline	24	0.000102	6		
$C_{18}H_{34}O_4$	Dibutyl sebacate	20	0.004	10		
$C_{19}H_{14}$	5-Methylchrysene	27	0.0000062	4		
$C_{19}H_{14}$	9-Methylbenz[a]anthracene	27	0.0000066	4		
$C_{19}H_{14}$	10-Methylbenz[a]anthracene	25	0.0000055	4		
$C_{20}H_{12}$	Benzo[a]pyrene	25	0.00000038	4	0.000046	12
$C_{20}H_{12}$	Perylene	25	0.00000004	4	0.000003	12
$C_{20}H_{12}$	Benzo[e]pyrene	20	0.00000046	4	0.00002	12
$C_{20}H_{13}N$	13H-Dibenzo[a,i]carbazole	24	0.00000104	6		
$C_{20}H_{14}$	1,2-Dihydrobenz[j]aceanthrylene	25	0.00000036	6		
$C_{20}H_{42}$	Eicosane	25	0.00000019	4		
$C_{21}H_{13}N$	Dibenz[a,j]acridine	25	0.000016	6		
$C_{21}H_{16}$	1,2-Dihydro-3-methylbenz[j]aceanthrylene	25	0.00000022	6		
$C_{22}H_{12}$	Benzo[ghi]perylene	25	0.000000026	4	0.000075	12
$C_{22}H_{14}$	Picene	25	0.00000025	4		
$C_{22}H_{14}$	Benzo[b]triphenylene	25	0.0000027	4		
$C_{22}H_{14}$	Dibenz[a,h]anthracene	25	0.00000006	4		
$C_{22}H_{14}$	Dibenz[a,j]anthracene	25	0.0000012	4		
$C_{22}H_{44}O_2$	Butyl stearate	25	0.2	10		
$C_{24}H_{12}$	Coronene	25	0.000000014	4		