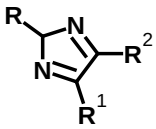
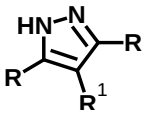
Supplemental data:

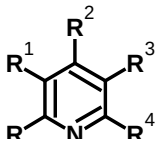
An approach toward quantification of organic compounds in complex environmental samples using high-resolution electrospray ionization mass spectrometry

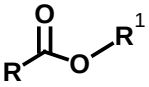
Tran B. Nguyen, Sergey A. Nizkorodov, Alexander Laskin, and Julia Laskin

Table S1: Compounds used for statistical analysis in manuscript and their accompanying physical properties. Compounds are sorted by molecular mass. Data were taken from Ref [1] and references therein.

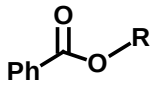
Heterocyclic Nitrogen (Imidazoles) 	**Mass (Da)**	**H/C**	**Adj. mass (Da)**	**PA (kj/mol)**	**GB (kJ/mol)**	**Molecular Volume (Å^3)**
Imidazole	68	1.33	91	942.8	909.2	5.9
2-Methyl-1H-imidazole	82	1.50	123	963.4	929.6	7.4
4-Methyl-1H-imidazole	82	1.50	123	952.8	920.9	7.4
1,4-Dimethyl-1H-imidazole	96	1.60	154	976.7	944.9	9.0
1,2-Dimethyl-1H-imidazole	96	1.60	154	984.7	952.6	9.0
1,5-Dimethyl-1H-imidazole	96	1.60	154	977.6	945.8	9.0
1H-Benzimidazole	118	0.86	101	953.8	920.5	11.7
1-Methyl-1H-benzimidazole	132	1.00	132	967.0	935.2	13.3

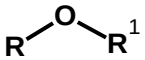
Heterocyclic Nitrogen (Pyrazoles) 	**Mass (Da)**	**H/C**	**Adj. mass (Da)**	**PA (kj/mol)**	**GB (kJ/mol)**	**Molecular Volume (Å^3)**
1H-Pyrazole	68	1.33	91	894.1	860.5	5.9
1-Methyl-1H-pyrazole	82	1.50	123	912.0	880.1	7.4
3-Methyl-1H-pyrazole	82	1.50	123	906.0	874.2	7.4
4-Methyl-1H-pyrazole	82	1.50	123	906.8	873.4	7.4
1,3-Dimethyl-1H-pyrazole	96	1.60	154	933.9	902.3	9.0
1,5-Dimethyl-1H-pyrazole	96	1.60	154	934.3	902.8	9.0
3,4-Dimethyl-1H-pyrazole	96	1.60	154	927.3	895.4	9.0
3,5-Dimethyl-1H-pyrazole	96	1.60	154	933.5	900.1	9.0
1,3,5-Trimethyl-1H-pyrazole	110	1.67	183	949.3	917.4	10.6
3,4,5-Trimethyl-1H-pyrazole	96	1.67	160	949.3	916.0	9.9
1-Methyl-3-phenyl-1H-pyrazole	144	1.00	144	932.6	900.8	15.7
1-Methyl-5-phenyl-1H-pyrazole	144	1.00	144	932.4	900.5	15.7
3,5-Diphenyl-1H-pyrazole	192	0.80	154	946.3	912.7	22.3

 Pyridines	Mass (Da)	H/C	Adj. mass (Da)	PA (kj/mol)	GB (kJ/mol)	Molecular Volume (Å^3)
Pyridine	79	1.00	79	930.0	898.1	8.2
2-Methylpyridine	93	1.17	109	949.1	917.3	9.7
3-Methylpyridine	93	1.17	109	943.4	911.6	9.7
4-Methylpyridine	93	1.17	109	947.2	915.3	9.7
4-Vinylpyridine	105	1.00	105	944.1	912.3	11.2
2-Ethylpyridine	107	1.29	138	952.4	920.6	11.3
3-Ethylpyridine	107	1.29	138	947.4	915.5	11.3
4-Ethylpyridine	107	1.29	138	951.1	919.2	11.3
2,3-Dimethylpyridine	107	1.29	138	958.9	927.0	11.3
2,4-Dimethylpyridine	107	1.29	138	962.9	930.8	11.3
2,5-Dimethylpyridine	107	1.29	138	958.8	926.9	11.3
2,6-Dimethylpyridine	107	1.29	138	963.0	931.1	11.3
3,4-Dimethylpyridine	107	1.29	138	957.3	925.5	11.3
3,5-Dimethylpyridine	119	1.13	134	955.4	923.5	12.7
4-Isopropylpyridine	121	1.38	166	955.7	923.8	12.9
2-Propylpyridine	121	1.38	166	955.7	923.8	12.9
2,6-Diethylpyridine	135	1.44	195	972.3	940.4	14.4
4-tert-Butylpyridine	135	1.44	195	957.7	925.8	14.4
2-tert-Butylpyridine	135	1.44	195	961.7	929.8	14.4
4-Phenylpyridine	155	0.82	127	939.7	907.8	17.0
2-Hexylpyridine	163	1.55	252	963.6	931.7	17.6
2,4-Di-tert-butylpyridine	191	1.62	309	983.8	952.0	20.7
2,6-Di-tert-butylpyridine	191	1.62	309	982.9	951.0	20.7

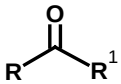
 Saturated Esters	Mass (Da)	H/C	Adj. mass (Da)	PA (kj/mol)	GB (kJ/mol)	Molecular Volume (Å^3)
Methylformate	44	2.00	88	782.5	751.5	4.0
Ethylformate	74	2.00	148	799.4	768.4	6.5
Methylacetate	74	2.00	148	821.6	790.7	6.5
Propylformate	88	2.00	176	804.9	773.9	8.1
Isopropylformate	88	2.00	176	811.3	780.3	8.1
Ethylacetate	88	2.00	176	835.7	804.7	8.1
Methylpropanoate	88	2.00	176	830.2	799.2	8.1
Butylformate	102	2.00	204	806.0	775.0	9.6
Propylacetate	102	2.00	204	836.6	805.6	9.6
Isopropylacetate	102	2.00	204	836.6	805.6	9.6
Methylbutanoate	102	2.00	204	836.4	805.4	9.6
Methylisobutanoate	102	2.00	204	836.6	805.7	9.6
Methyl2,2-dimethylpropanoate	116	2.00	232	845.2	814.2	11.2

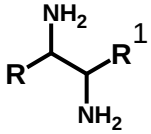
Methylcyclohexanecarboxylate	126	1.75	221	846.2	815.3	13.3
Methylcyclopropanecarboxylate	100	1.60	160	842.1	811.2	9.5

Unsaturated Esters 	**Mass (Da)**	**H/C**	**Adj. mass (Da)**	**PA (kj/mol)**	**GB (kJ/mol)**	**Molecular Volume (Å^3)**
Methyltrans-2-butenoate	100	1.60	160	851.3	820.4	9.5
Methylbenzoate	136	1.00	136	850.5	819.5	13.8
Methyl2-methylbenzoate	150	1.11	167	858.3	827.3	15.4
Methyl3-methylbenzoate	150	1.11	167	857.7	826.8	15.4
Methyl4-methylbenzoate	150	1.11	167	861.5	830.6	15.4
Methyl4-hydroxybenzoate	152	1.00	152	863.4	832.5	14.7
Methyl3-hydroxybenzoate	152	1.00	152	850.0	819.1	14.7
Methyl4-formylbenzoate	164	0.89	146	832.9	801.9	16.2
Methyl4-methoxybenzoate	166	1.11	184	870.6	839.6	16.3
Methyl3-methoxybenzoate	134	1.11	149	856.7	825.8	14.5
Methyl2,5-dimethylbenzoate	148	1.20	178	864.7	833.7	16.1
Methyl2,4-dimethylbenzoate	148	1.20	178	868.2	837.2	16.1
Methyl3,5-dimethylbenzoate	148	1.20	178	864.3	833.4	16.1
Methyl2,4,6-trimethylbenzoate	160	1.27	204	866.3	835.3	17.4
Dimethylterephthalate	130	1.00	130	843.2	812.3	15.0
Dimethylisophthalate	146	1.00	146	843.5	814.3	15.9
4-Acetylphenylacetate	146	1.00	146	853.2	821.3	15.9
Vinylacetate	86	1.50	129	813.9	782.9	7.9
Methylacrylate	86	1.50	129	825.8	794.8	7.9
Methylmethacrylate	100	1.60	160	831.4	800.5	9.5

Alkyl Ethers 	**Mass (Da)**	**H/C**	**Adj. mass (Da)**	**PA (kj/mol)**	**GB (kJ/mol)**	**Molecular Volume (Å^3)**
Dimethylether	46	3.00	138	792.0	764.5	4.2
Ethylmethylether	60	2.67	160	808.6	781.2	5.7
Dipentylether	148	1.20	178	852.7	825.3	16.1
Diethylether	74	2.50	185	828.4	801.0	7.3
Methylpropylether	74	2.50	185	814.9	785.7	7.3
Butyl methylether	88	2.40	211	820.3	791.2	8.9
Methyltert-butylether	88	2.40	211	841.6	812.4	8.9
Ethylisopropylether	88	2.40	211	842.7	813.5	8.9
Isopropylmethylether	90	2.50	225	826.3	797.1	8.2
tert-Butylethylether	102	2.33	238	856.0	826.9	10.4
tert-Butylisopropylether	116	2.29	265	870.7	841.5	12.0
Dipropylether	102	2.33	238	837.9	810.5	10.4
Diisopropylether	102	2.33	238	855.5	828.1	10.4
Dibutylether	130	2.25	293	845.7	818.3	13.6
Di-sec-butylether	130	2.25	293	865.9	838.5	13.6

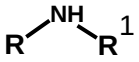
Di-tert-butylether	178	2.25	401	887.4	860.0	16.3

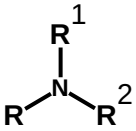
Saturated Ketones 	**Mass (Da)**	**H/C**	**Adj. mass (Da)**	**PA (kj/mol)**	**GB (kJ/mol)**	**Molecular Volume (Å^3)**
5-Nonanone	142	2.00	284	853.7	821.9	15.0
Di-tert-butylketone	142	2.00	284	861.3	831.5	15.0
2,4-Dimethyl-3-pentanone	114	2.00	228	850.3	820.5	11.9
3,3-Dimethyl-2-butanone	116	2.00	232	840.1	808.2	11.2
2,2,4-Trimethyl-3-pentanone	128	2.00	256	856.9	825.0	13.4
2-Butanone	72	2.00	144	827.3	795.5	7.2
2-Pentanone	86	2.00	172	832.7	800.9	8.7
3-Pentanone	86	2.00	172	836.8	807.0	8.7
3-Methyl-2-butanone	86	2.00	172	836.3	804.4	8.7
3-Hexanone	100	2.00	200	843.2	811.3	10.3
4-Heptanone	114	2.00	228	845.0	815.3	11.9
Acetone	58	2.00	116	812.0	782.1	5.6
Cyclobutanone	70	1.50	105	802.5	772.7	7.0
Cyclopentanone	84	1.60	134	823.7	794.0	8.6
Cyclohexanone	98	1.67	163	841.0	811.2	10.2
Cycloheptanone	112	1.71	192	845.6	815.9	11.7
4-Methylcyclohexanone	128	1.71	219	844.9	813.0	12.6
Cyclooctanone	126	1.75	221	849.4	819.6	13.3
1-Cyclohexylethanone	142	1.75	249	841.4	809.5	14.2
Cyclononanone	172	1.78	306	852.6	822.8	16.7

Diamines 	**Mass (Da)**	**H/C**	**Adj. mass (Da)**	**PA (kj/mol)**	**GB (kJ/mol)**	**Molecular Volume (Å^3)**
1,2-Ethanediamine	60	4.00	240	951.6	912.5	4.7
1,3-Propanediamine	74	3.33	247	987.0	940.0	6.3
1,4-Butanediamine	88	3.00	264	1005.6	954.3	7.8
1,5-Pentanediamine	102	2.80	286	999.6	946.2	9.4
1,2-Benzenediamine	108	1.33	144	896.5	865.8	10.4
1,3-Benzenediamine	108	1.33	144	929.9	899.2	10.4
1,4-Benzenediamine	108	1.33	144	905.9	874.0	10.4
Triethylenediamine	112	2.00	224	963.4	934.6	10.7
1,6-Hexanediamine	116	2.67	309	999.5	946.2	11.0
1,7-Heptanediamine	130	2.57	334	998.5	944.9	12.5
1,8-Naphthalenediamine	158	1.00	158	944.5	912.1	16.3

Primary Amines 	**Mass (Da)**	**H/C**	**Adj. mass (Da)**	**PA (kj/mol)**	**GB (kJ/mol)**	**Molecular Volume (Å^3)**

Methylamine	31	5.00	155	899.0	864.5	2.4
Ethylamine	45	3.50	158	912.0	878.0	4.0
Cyclopropylamine	57	2.33	133	904.7	869.9	5.4
Propylamine	59	3.00	177	917.8	883.9	5.5
Isopropylamine	59	3.00	177	923.8	889.0	5.5
Butylamine	73	2.75	201	921.5	886.6	7.1
tert-Butylamine	73	2.75	201	934.1	899.9	7.1
Isobutylamine	73	2.75	201	924.8	890.8	7.1
Pentylamine	87	2.60	226	923.5	889.5	8.7
Cyclohexylamine	99	2.17	215	934.4	899.6	10.1
Hexylamine	101	2.50	253	927.5	893.5	10.2
Benzylamine	107	1.29	138	913.3	879.4	11.3
Heptylamine	115	2.43	279	923.2	889.3	11.8
Octylamine	129	2.38	306	928.9	895.0	13.4
Cyclohexanemethanamine	113	2.14	242	926.6	895.8	11.7
2,2-Dimethylpropylamine	87	2.60	226	928.3	894.0	8.7

Secondary Amines 	**Mass (Da)**	**H/C**	**Adj. mass (Da)**	**PA (kj/mol)**	**GB (kJ/mol)**	**Molecular Volume (Å^3)**
Dimethylamine	45	3.50	158	929.5	896.5	4.0
Diethylamine	73	2.75	201	952.4	919.4	7.1
Isopropylmethylamine	73	2.75	201	952.4	919.4	7.1
Allyldimethylamine	85	2.20	187	957.8	926.8	8.6
2-Methyl-2-butanamine	87	2.60	226	937.8	903.6	8.7
Ethylisopropylamine	87	2.60	226	960.0	926.7	8.7
Dipropylamine	101	2.50	253	962.3	929.3	10.2
Diisopropylamine	101	2.50	253	971.9	938.6	10.2
Dibutylamine	129	2.38	306	968.5	935.3	13.4
Di-sec-butylamine	129	2.38	306	980.7	947.5	13.4
Diisobutylamine	129	2.38	306	958.1	925.1	13.4

Tertiary Amines 	**Mass (Da)**	**H/C**	**Adj. mass (Da)**	**PA (kj/mol)**	**GB (kJ/mol)**	**Molecular Volume (Å^3)**
Trimethylamine	59	3.00	177	948.9	918.1	5.5
Ethyldimethylamine	73	2.75	201	960.1	929.1	7.1
Diethylmethylamine	87	2.60	226	971.0	940.0	8.7
Butyldimethylamine	101	2.50	253	969.2	938.2	10.2
Isobutyldimethylamine	101	2.50	253	968.7	937.8	10.2
Triethylamine	101	2.50	253	981.8	951.0	10.2
Methyldipropylamine	115	2.43	279	983.5	950.9	11.8
Diethylpropylamine	115	2.43	279	978.8	947.9	11.8
Cyclohexyldimethylamine	127	2.13	270	983.6	952.6	13.3

Tripropylamine	143	2.33	334	991.0	960.1	14.9
Tributylamine	185	2.25	416	998.5	967.6	19.6

Alcohols 	**Mass (Da)**	**H/C**	**Adj. mass (Da)**	**PA (kj/mol)**	**GB (kJ/mol)**	**Molecular Volume (Å^3)**
Methanol	16	4.00	64	754.3	724.5	2.6
Ethanol	30	3.00	90	776.4	746.0	4.2
1-Propanol	44	2.67	117	786.5	756.1	5.7
2-Propanol	46	3.33	153	793.0	762.6	5.9
1-Butanol	58	2.50	145	789.2	758.9	7.3
2-Butanol	58	2.50	145	815.7	784.6	7.3
2-Methyl-1-propanol	58	2.50	145	793.7	762.2	7.3
2-Methyl-2-propanol	58	2.50	145	802.6	772.2	7.3
2,2-Dimethyl-1-propanol	72	2.40	173	795.5	765.2	8.9
Cyclohexanemethanol	98	2.00	196	802.1	771.7	11.9

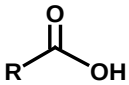
Carboxylic Acids 	**Mass (Da)**	**H/C**	**Adj. mass (Da)**	**PA (kj/mol)**	**GB (kJ/mol)**	**Molecular Volume (Å^3)**
Formic acid	14	2.00	28	742.0	710.3	3.4
Acetic acid	28	2.00	56	783.7	752.8	4.9
Propanoic acid	42	2.00	84	797.2	766.2	6.5
Methacrylic acid	54	1.50	81	816.7	785.7	7.9
Cyclopropanecarboxylic acid	54	1.50	81	821.4	790.4	7.9
3-Methyl-2-butenoic acid	68	1.60	109	822.9	791.9	9.5
cis-2-Methyl-2-butenoic acid	68	1.60	109	822.5	791.5	9.5
Cyclobutanecarboxylic acid	68	1.60	109	817.4	786.4	9.5
Cyclopentanecarboxylic acid	82	1.67	137	817.4	786.4	11.1
Benzoic acid	90	0.86	77	821.1	790.1	12.3
Cyclohexanecarboxylic acid	96	1.71	165	823.8	792.8	12.6
Toluic acid	104	1.00	104	829.8	798.8	13.8

Table S2: Hydrocarbons and oxygenated hydrocarbon compounds used for statistical analysis in Fig. 7 in the manuscript and their accompanying average polarizability values. Compounds are sorted by number of carbon. Data were taken from Ref [2] and references therein.

Hydrocarbons	C	H	O	Mass	H/C	AM	Polarizability (10^{24} cm^3)
methane	1	4	0	16	4.00	64	2.59
acetylene	2	2	0	26	1.00	26	3.33
ethylene	2	4	0	28	2.00	56	4.25
ethane	2	6	0	30	3.00	90	4.47
propyne	3	4	0	40	1.33	53	6.18
propene	3	6	0	42	2.00	84	6.26
cyclopropane	3	6	0	42	2.00	84	5.66
propane	3	8	0	44	2.67	117	6.29
1-butyne	4	6	0	54	1.50	81	7.41
1,3-butadiene	4	6	0	54	1.50	81	8.64
1-butene	4	8	0	56	2.00	112	7.97
trans-2-butene	4	8	0	56	2.00	112	8.49
2-methylpropene	4	8	0	56	2.00	112	8.29
butane	4	10	0	58	2.50	145	8.20
isobutane	4	10	0	58	2.50	145	8.14
1,3-cyclopentadiene	5	6	0	66	1.20	79	8.64
1-pentyne	5	8	0	68	1.60	109	9.12
trans-1,3-pentadiene	5	8	0	68	1.60	109	10.00
isoprene	5	8	0	68	1.60	109	9.99
cyclopentane	5	10	0	70	2.00	140	9.15
1-pentene	5	10	0	70	2.00	140	9.65
2-pentene	5	10	0	70	2.00	140	9.84
pentane	5	12	0	72	2.40	173	9.99
neopentane	5	12	0	72	2.40	173	10.20
benzene	6	6	0	78	1.00	78	10.00
1-hexyne	6	10	0	82	1.67	137	10.90
2-ethyl-1,3-butadiene	6	10	0	82	1.67	137	11.80
3-methyl-1,3-pentadiene	6	10	0	82	1.67	137	11.80
2-methyl-1,3-pentadiene	6	10	0	82	1.67	137	12.10
2,3-dimethyl-1,3-butadiene	6	10	0	82	1.67	137	11.80
cyclohexene	6	10	0	82	1.67	137	10.70
cyclohexane	6	12	0	84	2.00	168	11.00
1-hexene	6	10	0	82	1.67	137	11.65
hexane	6	14	0	86	2.33	201	11.90
toluene	7	8	0	92	1.14	105	11.80
1-heptyne	7	12	0	96	1.71	165	12.80
methylcyclohexane	7	14	0	98	2.00	196	13.10
1-heptene	7	14	0	98	2.00	196	13.51

heptane	7	16	0	100	2.29	229	13.61
styrene	8	8	0	104	1.00	104	15.00
ethylbenzene	8	10	0	106	1.25	133	14.20
o-xylene	8	10	0	106	1.25	133	14.90
p-xylene	8	10	0	106	1.25	133	13.70
m-xylene	8	10	0	106	1.25	133	14.20
ethylcyclohexane	8	16	0	112	2.00	224	15.90
n-octane	8	18	0	114	2.25	257	15.90
3-methylheptane	8	18	0	114	2.25	257	15.44
2,2,4-trimethylpentane	8	18	0	114	2.25	257	15.44
a-methylstyrene	9	10	0	118	1.11	131	16.05
isopropylbenzene	9	12	0	120	1.33	160	16.00
1,3,5-trimethylbenzene	9	12	0	120	1.33	160	15.50
isopropylcyclohexane	9	18	0	126	2.00	252	17.20
nonane	9	20	0	128	2.22	284	17.36
naphthalene	10	8	0	128	0.80	102	16.50
durene	10	14	0	134	1.40	188	17.30
tert-butylbenzene	10	14	0	134	1.40	188	17.20
tert-butylcyclohexane	10	20	0	140	2.00	280	19.80
decane	10	22	0	142	2.20	312	19.10
a-methylnaphthalene	11	10	0	142	0.91	129	19.35
ß-methylnaphthalene	11	10	0	142	0.91	129	19.52
Oxygenated hydrocarbons	**C**	**H**	**O**	**Mass**	**H/C**	**AM**	**Polarizability**
ethyleneglycol	2	6	2	62	3.00	186	5.70
propenal	3	4	1	56	1.33	75	6.38
acetone	3	6	1	58	2.00	116	6.33
allylalcohol	3	6	1	58	2.00	116	7.65
propionaldehyde	3	6	1	58	2.00	116	6.50
propionicacid	3	6	2	74	2.00	148	6.90
ethylformate	3	6	2	74	2.00	148	6.88
methylacetate	3	6	2	74	2.00	148	6.94
dimethylcarbonate	3	6	3	90	2.00	180	7.70
2-propanol	3	8	1	60	2.67	160	7.61
1-propanol	3	8	1	60	2.67	160	6.74
ethylmethylether	3	8	1	60	2.67	160	7.93
dimethoxymethane	3	8	2	76	2.67	203	7.70
ethyleneglycolmonomethylether	3	8	2	76	2.67	203	7.44
diketene	4	4	2	84	1.00	84	8.00
crotonaldehyde	4	6	1	70	1.50	105	8.50
methacrylaldehyde	4	6	1	70	1.50	105	8.30
biacetyl	4	6	2	86	1.50	129	8.20
aceticanhydride	4	6	3	102	1.50	153	8.90
butanal	4	8	1	72	2.00	144	8.20

methylethylketone	4	8	1	72	2.00	144	8.13
trans-2,3-epoxybutane	4	8	1	72	2.00	144	8.22
ethylacetate	4	8	2	88	2.00	176	8.62
1,4-dioxane	4	8	2	88	2.00	176	10.00
p-dioxane	4	8	2	88	2.00	176	8.60
2-methyl-1,3-dioxolane	4	8	2	88	2.00	176	9.44
butyricacid	4	8	2	88	2.00	176	8.58
methylpropionate	4	8	2	88	2.00	176	8.97
ethylether	4	10	1	74	2.50	185	10.20
1-butanol	4	10	1	74	2.50	185	8.88
2-methylpropanol	4	10	1	74	2.50	185	8.92
methylpropylether	4	10	1	74	2.50	185	8.86
ethyleneglycolmonoethylether	4	10	1	74	2.50	185	9.28
acetylacetone	5	8	2	100	1.60	160	10.50
diethylketone	5	10	1	86	2.00	172	9.93
methylpropylketone	5	10	1	86	2.00	172	9.93
ethylpropionate	5	10	2	102	2.00	204	10.41
methylbutanoate	5	10	2	102	2.00	204	10.41
diethylcarbonate	5	10	3	118	2.00	236	11.30
ethylpropylether	5	12	1	88	2.40	211	10.68
tetramethylorthocarbonate	5	12	4	136	2.40	326	13.00
phenol	6	6	1	94	1.00	94	11.10
ethylacetoacetate	6	10	3	130	1.67	217	12.90
cyclohexanol	6	12	1	100	2.00	200	11.56
amylformate	6	12	2	116	2.00	232	14.20
paraldehyde	6	12	3	132	2.00	264	17.90
propylether	6	14	1	102	2.33	238	12.80
1,1-diethoxyethane	6	14	2	118	2.33	275	13.20
1,2-diethoxyethane	6	14	2	118	2.33	275	11.30
anisole	7	8	1	108	1.14	123	13.10
cyclohexylmethylether	7	14	1	114	2.00	228	13.40
2,4-dimethyl-3-pentanone	7	14	1	114	2.00	228	13.50
pentylacetate	7	14	2	130	2.00	260	14.90
acetophenone	8	8	1	120	1.00	120	15.00
phenetole	8	10	1	122	1.25	153	14.90
ethylsorbate	8	12	2	140	1.50	210	17.20
tetramethylcyclobutane-1,3-dione	8	12	2	140	1.50	210	18.60
diethylsuccinate	8	14	4	174	1.75	305	16.80
butylether	8	18	1	130	2.25	293	17.20
ethylbenzoate	9	10	2	150	1.11	167	16.90
1-naphthaldehyde	11	8	1	156	0.73	113	19.75
2-naphthaldehyde	11	8	1	156	0.73	113	20.06

References:

1. E. P. L. Hunter and S. G. Lias, *J. Phys. Chem. Ref. Data*, 1998, **27**, 413-656.
2. T. M. Miller, ed., *Atomic and molecular polarizabililies*, 92 edn., CRC Press, Boca Raton, FL., 2012.