Table 6 (*Continued*)

	Group	Example	T_{m1i}	T_{b1i}	T_{c1i}	P_{c1i}	V_{c1i}	G_{f1i}	H_{f1i}	H_{v1i}	H_{fus1i}
94	aC–$CONH_2$	Benzamide	12.8071	8.3775	*****	*****	*****	*****	*****	*****	16.811
95	aC–NH(CO)H	*N*-phenylformamide (1)	5.6631	7.3497	19.8979	0.023447	162.08	−44.595	−125.052	*****	8.658
96	aC–N(CO)H	*N*-methyl-*N*-phenylmethanamide (1)	3.3602	5.1373	*****	*****	*****	*****	*****	*****	*****
97	aC–CONH	*N*-methylbenzamide (1)	6.5160	7.5850	*****	*****	*****	*****	*****	*****	10.959
98	aC–NHCO	*N*-(2-methylphenyl)acetamide (1)	9.8204	7.4955	*****	*****	*****	*****	*****	*****	4.370
99	aC–NCO	Phenylmethylacetamide (1)	7.2552	*****	*****	*****	*****	*****	*****	*****	*****
100	NHCONH	*N*,*N*′-dimethylurea (1)	9.3110	8.9406	*****	*****	*****	*****	*****	*****	9.862
101	NH_2CONH	Methylurea (1)	14.2020	16.3539	*****	*****	*****	*****	*****	*****	12.845
102	NH_2CON	*N*,*N*-dimethylurea (1)	13.0856	2.0796	*****	*****	*****	*****	*****	*****	10.958
103	NHCON	Trimethylurea (1)	8.4447	7.1529	*****	*****	*****	*****	*****	*****	12.098
104	NCON	Tetramethylurea (1)	3.5041	4.1459	*****	*****	*****	*****	*****	*****	9.557
105	aC–$NHCONH_2$	Phenylurea (1)	13.4695	5.7604	*****	*****	*****	*****	*****	*****	16.703
106	aC–NHCONH	*N*,*N*′-diphenylurea	23.2570	1.1633	*****	*****	*****	*****	*****	*****	18.460
107	NHCO except as above	*N*-chloroacetamide (1)	3.0882	*****	*****	*****	*****	*****	*****	*****	*****
108	CH_2Cl	1-Chlorobutane (1)	1.9253	2.6364	6.2561	0.021419	112.12	−19.484	−65.056	11.754	6.353
109	CHCl	2-Chloropropane (1)	1.0224	2.0246	4.3756	0.015640	100.78	−31.933	−65.127	12.048	*****
110	CCl	2-Chloro-2-methylpropane (1)	1.8424	1.7049	3.7063	0.009187	87.01	−37.848	−62.881	16.597	−0.082
111	$CHCl_2$	1,1-Dichloroethane (1)	2.5196	3.3420	7.8956	0.028236	159.79	−24.214	−80.812	17.251	6.781
112	CCl_2	2,2-Dichloropropane (1)	3.6491	2.9609	*****	*****	*****	*****	*****	20.473	1.823
113	CCl_3	1,1,1-Trichloroethane	4.4493	3.9093	8.8073	0.036746	204.71	−44.122	−105.369	20.550	3.492
114	CH_2F	1-Fluorobutane (1)	1.5597	1.5022	3.3179	0.023315	87.71	−180.212	−227.469	8.238	7.139
115	CHF	2-Fluorobutane (1)	1.1289	1.3738	2.6702	0.020040	78.08	−228.239	−261.901	*****	3.917
116	CF	2-Fluoro-2-methylpropane (1)	2.5398	1.0084	2.1633	−0.010120	*****	*****	*****	6.739	*****
117	CHF_2	1,1-Difluoroethane (1)	2.1689	2.2238	3.5702	0.031524	102.71	−411.239	−463.901	*****	7.011
118	CF_2	Perfluorohexane (4)	0.1312	0.5142	0.8543	0.018572	95.09	*****	*****	1.621	*****
119	CF_3	Hexafluoroethane (2)	1.4828	1.1916	1.7737	0.048565	108.85	−615.333	−673.875	7.352	2.526
120	CCl_2F	Tetrachloro-1,2-difluoroethane (2)	3.2035	2.5053	5.1653	0.037948	171.04	−249.020	−306.765	8.630	3.114
121	HCClF	1-Chloro-1,2,2,2-tetrafluoroethane (1)	*****	2.0542	*****	*****	*****	*****	*****	*****	*****
122	$CClF_2$	1,2-Dichlorotetrafluoroethane (2)	1.7510	1.7227	3.0593	0.041641	146.01	−396.814	−458.074	8.086	2.156
123	aC–Cl	Chlorobenzene (1)	1.7134	2.0669	5.7046	0.016033	92.67	1.985	−17.002	11.224	4.435
124	aC–F	Hexafluorobenzene (6)	0.9782	0.7945	1.5491	0.014037	54.36	−141.306	−160.965	3.965	2.003
125	aC–I	Iodobenzene (1)	2.1905	3.7739	12.4470	0.014403	131.08	91.505	95.048	*****	2.814
126	aC–Br	Bromobenzene (1)	2.4741	2.8414	8.4199	0.010199	104.12	42.977	38.917	14.393	5.734
127	I^- except as above	Iodoethane (1)	1.9444	3.1778	8.5775	−0.004637	104.28	43.910	47.632	14.171	6.103
128	Br^- except as above	Bromoethane (1)	1.7641	2.4231	4.5036	−0.001460	77.99	5.528	−1.703	9.888	4.826
129	F^- except as above	Benzyl fluoride (1)	1.2308	0.8504	0.8976	0.012034	24.62	−182.973	−201.968	*****	3.096
130	Cl^- except as above	Ethyl chloroacetate (1)	1.5454	1.5147	4.0947	0.007923	57.77	−29.876	−46.963	*****	5.181
131	CHNOH	Propionaldehyde oxime (1)	3.9813	4.5721	*****	*****	*****	*****	*****	*****	*****
132	CNOH	Diethyl ketoxime (1)	3.5484	4.0142	*****	*****	*****	*****	*****	*****	*****
133	aC–CHNOH	Phenyl oxime (1)	10.5579	*****	*****	*****	*****	*****	*****	*****	*****
134	OCH_2CH_2OH	2-Ethoxyethanol (1)	2.3651	4.8721	10.4579	0.025986	159.33	−233.335	−343.903	31.493	8.454
135	$OCHCH_2OH$	2-Ethoxy-1-propanol (1)	*****	4.2329	*****	*****	*****	*****	*****	*****	*****
136	OCH_2CHOH	1-Methoxy-2-propanol (1)	1.5791	3.6653	*****	0.018783	147.66	−239.423	−333.385	*****	12.594
137	–O–OH	*tert*-Butylhydroperoxide (1)	4.8181	3.1669	5.8307	−0.002815	58.01	−75.568	−125.111	*****	*****
138	CH_2SH	Ethanethiol (1)	2.2992	3.1974	7.7300	0.017299	105.68	27.469	−8.021	16.815	10.068
139	CHSH	2-Propanethiol (1)	0.9704	2.5910	5.8527	0.008968	109.36	27.030	3.510	17.098	4.266
140	CSH	2-Methyl-2-propanethiol (1)	4.2329	2.0902	4.6431	0.005118	94.01	27.338	12.589	18.397	−0.623