

4 Tabulated Data on Vapor Pressure of Halogen Containing Organic Compounds

4.1 Halogen Containing Organic Compounds, C₁ (and Some Halogen Containing Inorganic Compounds)

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T_b</i> [K]/ <i>P_b</i> [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
1	BrClFOP		Phosphoryl bromide chloride fluoride				14518-81-1
l-g	6.039	1214	−51.15	263/376	263/376 D	352.15/101.325	60-trenh
2	BrCl₂OP		Phosphoryl bromide dichloride				13455-03-3
l-g	6.049	1411	−60.15	305/436	305/436 D	409.15/101.325	60-trenh
3	BrD		Hydrogen bromide-D				13536-59-9
cr-g	6.62583	820.68	−25.85	156/185	146/185.7 B	206.65/101.325	74-trenh
l-g	5.28728	505.68	−52.55	185/222	185.7/232 B		74-trenh
4	BrF₂OP		Phosphoryl bromide difluoride				14014-18-7
l-g	6.2268	1118.9	−40.15	229/325	223/332 C	305.05/101.325	60-trenh
5	BrF₂P		Phosphorus bromide difluoride				15597-40-7
l-g	6.0291	885.12	−37.15	192/274	182/284 B	257.05/101.325	60-trenh
6	BrF₃		Bromine trifluoride				7787-71-5
l-g	6.85464	1673.95	−53.67	309/421	299/431 B	398.89/101.325	74-trenh
7	BrF₅		Bromine pentafluoride				7789-30-2
l-g	6.39858	1219.28	−36.75	237/334	227/344 B	314.35/101.325	74-trenh
8	BrFO₂S		Sulfuryl bromide fluoride				13536-61-3
l-g	6.2677	1155	−42.15	236/333	228/341 C		59-trenh
9	BrFO₃		Perbromyl fluoride				25251-03-0
l-g	6.56141	1195.8	−13.05	204/294	198/302 C	275.55/101.325	74-trenh
10	BrH		Hydrogen bromide				10035-10-6
cr-g	6.79251	878.57	−19.95	155/185	145/186.3 B	206.45/101.325	74-trenh
l-g	5.41243	540.82	−47.71	185/221	186.3/231 B		74-trenh
11	BrH₄N		Ammonium bromide				12124-97-9
cr-g	8.3449	3947	−46.15	537/699	530/706 C	668.75/101.325	90-trenh
12	Br₂		Bromine				7726-95-6
cr-g	8.8458	2041.3	−13.05	168/264	165/265.9 C	331.9/101.325	74-trenh
l-g	6.0027	1119.68	−51.77	266/354	265.9/364 B		74-trenh
13	Br₂FP		Phosphorus dibromide fluoride				15597-39-4
l-g	5.9829	1210.3	−47.15	260/376	255/383 C	351.45/101.325	60-trenh

Phase	Antoine constants			T-range [K]	Range [K], Rating	T _b [K]/P _b [kPa]	Ref. Note
	A, (n)	B [K], (E)	C [K], (F)				
14	Br₂OS		Thionyl bromide				507-16-4
l-g	6.181	1445	-67.15	313/439	303/449 C		59-trcnh
15	Br₂S₂		Disulfur dibromide				13172-31-1
l-g	6.302	1660	-88.15	365/503	359/510 C		59-trcnh
16	Br₃P		Phosphorus tribromide				7789-60-8
l-g	6.0404	1590.5	-52.15	329/477	323/485 C	446.35/101.325	60-trcnh
17	Br₅P		Pentabromo-phosphorane				7789-69-7
cr-g	9.0526	2492	-29.15	314/382	310/376.8 C		60-trcnh
l-g	6.073	1320	-59.15	379/409	376.8/415 C		60-trcnh
18	Cl₂		Chlorine, diatomic				7782-50-5
cr-g	8.83002	1444.19	-6.017	116/171	110/172.2 C	239.12/101.325	73-trcnh
l-g	6.0628	861.34	-26.819	176/256	172.2/266 B		73-trcnh
19	Cl₂FOP		Phosphoryl dichloride fluoride				13769-76-1
l-g	6.20955	1201.86	-40.15	243/348	233/358 B	326.05/101.325	60-trcnh
20	Cl₂FP		Phosphorus dichloride fluoride				15597-63-4
l-g	5.92146	982.332	-36.15	211/307	201/317 B	287.02/101.325	60-trcnh
21	Cl₂O		Dichlorine oxide				7791-21-1
l-g	6.25758	1021.56	-34.99	206/293	196/303 B	275.25/101.325	73-trcnh
22	Cl₂OS		Thionyl chloride				7719-09-7
l-g	6.41235	1446.7	-20.45	257/372	247/382 C		59-trcnh
23	Cl₂OSe		Seleninyl dichloride				7791-23-3
l-g	5.3822	970.87	-161.15	352/476	346/484 C	448.65/101.325	59-trcnh
24	Cl₂O₂S		Sulfuryl chloride				7791-25-5
l-g	6.1266	1209	-49.15	257/365	251/372 C		59-trcnh
25	Cl₂O₄		Dichlorine tetroxide				27218-16-2
l-g	6.66357	1404.18	-16.15	237/338	229/348 B	317.55/101.325	73-trcnh
26	Cl₂O₅S₂		Pyrosulfuryl dichloride				7791-27-7
l-g	6.144	1460	-71.15	325/450	321/451 D		59-trcnh
27	Cl₂O₆		Chlorine trioxide				12442-63-6
l-g	4.9429	1400.96	-50.61	202/344	192/354 B		73-trcnh
28	Cl₂O₇		Dichlorine heptoxide				12015-53-1
l-g	5.99419	1214	-52.36	265/381	257/391 C	356.75/101.325	73-trcnh
29	Cl₂S		Sulfur chloride				10545-99-0
l-g	7.579	1594	-46.15	265/348	258/355 C		59-trcnh
30	Cl₂S₂		Disulfur dichloride				10025-67-9
l-g	5.9085	1341	-67.15	306/439	301/446 C		59-trcnh
31	Cl₃N		Nitrogen trichloride				10025-85-1
l-g	6.081	1190	-52.15	258/367	252/375 C	344.15/101.325	59-trcnh
32	Cl₃P		Phosphorus trichloride				7719-12-2
l-g	5.9516	1196	-46.15	258/374	248/384 C	349.25/101.325	60-trcnh

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T_b</i> [K]/ <i>P_b</i> [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
33	Cl₃PO		Phosphoryl trichloride				10025-87-3
l-g	5.9907	1297.2	−53.15	281/405	274.3/412 C	378.65/101.325	60-trcnh
34	Cl₄Po		Polonium tetrachloride				10026-02-5
l-g	6.679	2360	−158.15	568/697	573.2/697 D	663.15/101.325	60-trcnh
35	Cl₄Se		Selenium tetrachloride				10026-03-6
cr-g	9.3758	3068.8	−48.15	386/482	380/490 C	464.55/101.325	59-trcnh
36	Cl₄Te		Tellurium tetrachloride				10026-07-0
l-g	6.6835	2355	−158.15	527/695	527/695 D	661.15/101.325	59-trcnh
37	Cl₅P		Pentachloro-phosphorane				10026-13-8
cr-g	9.3317	2903.1	−36.15	357/434	350/433.2 C	432.45/101.325	60-trcnh
l-g	6.158	1490	−73.15	432/459	433.2/465 C		60-trcnh
38	ClF		Chlorine fluoride				7790-89-8
l-g	6.114	682.1	−17.15	134/196	126/204 C	183.15/101.325	73-trcnh
39	ClFOS		Thionyl chloride fluoride				14177-25-4
l-g	6.298	1100.1	−29.15	212/304	208/310 C		59-trcnh
40	ClFO₂		Chloryl fluoride				13637-83-7
l-g	5.80186	809.78	−54.19	201/285	191/295 B	267.51/101.325	73-trcnh
41	ClFO₂S		Sulfuryl chloride fluoride				13637-84-8
l-g	5.6464	793.73	−62.45	211/300	201/310 B		59-trcnh
42	ClFO₃		Perchloryl fluoride				7616-94-6
l-g	6.02009	791.727	−29.27	168/257	158/267 B	226.49/101.325	73-trcnh
43	ClFO₃S₂		Pyrosulfuryl chloride fluoride				13637-85-9
l-g	6.1405	1257.4	−69.15	284/396	278/404 C		59-trcnh
44	ClF₂OP		Phosphoryl chloride difluoride				13769-75-0
l-g	6.0515	946.96	−42.15	207/294	197/304 B	276.25/101.325	60-trcnh
45	ClF₂P		Phosphorus chloride difluoride				14335-40-1
l-g	5.7645	780.88	−18.15	161/244	151/254 B	225.85/101.325	60-trcnh
46	ClF₃		Chlorine trifluoride				7790-91-2
l-g	6.49175	1096.28	−40.52	218/302	208/312 B	284.89/101.325	73-trcnh
47	ClF₅		Chlorine pentafluoride				13637-63-3
l-g	5.39423	653.06	−66.55	195/278	185/288 B	259.25/101.325	73-trcnh
48	ClHO₃S		Chlorosulfonic acid				7790-94-5
l-g	6.174	1480	−72.15	324/454	324/454 D		59-trcnh
49	ClH₄N		Ammonium chloride				12125-02-9
cr-g	8.4806	3703.7	−41.15	494/640	486/648 C	613.15/101.325	90-trcnh
50	ClI		Iodine chloride				7790-99-0
cr-g	5.66418	985.2	−105.25	253/285	248/287.0 C	370.95/101.325	76-trcnh
l-g	6.82236	1515.4	−56.35	289/391	287.0/397 C		76-trcnh
51	ClNO		Nitrosyl chloride				2696-92-6
cr-g	7.6657	1397.3	−12.15	202/215	192/213.6 C	267.77/101.325	59-trcnh
l-g	6.48644	1094.73	−23.45	215/285	213.6/293 C		59-trcnh

Phase	Antoine constants			T-range [K]	Range [K], Rating	T _b [K]/P _b [kPa]	Ref. Note
	A, (n)	B [K], (E)	C [K], (F)				
52	ClNO₂		Nitryl chloride				13444-90-1
l-g	4.4972	395.4	−99.15	193/244	186/252 C	257.85/101.325	59-trcnh
53	ClO₂		Chlorine dioxide				10049-04-4
l-g	5.16101	590.09	−97	218/303	213.6/313 B	284.05/101.325	73-trcnh
54	DCl		Hydrogen chloride-D				7698-05-7
cr-g	6.97537	843.32	−14.828	141/155	133/158.5 C	188.43/101.325	73-trcnh
l-g	6.06086	668.2	−23.651	160/201	158.5/211 B		73-trcnh
55	DF		Hydrogen fluoride-D				14333-26-7
l-g	6.34194	1268.37	0.72	209/313	189.6/323 C	291.15/101.325	73-trcnh
56	DI		Hydrogen iodide-D				14104-45-1
cr-g	6.44612	891.66	−34.18	179/220	175/221.3 C	237.45/101.325	75-trcnh
l-g	4.72964	414.68	−85.28	218/256	221.3/266 B		75-trcnh
57	FHO₃S		Fluorosulfonic acid				7789-21-1
l-g	6.5244	1521	−99.15	343/459	338/466 C		59-trcnh
58	FNO		Nitrosyl fluoride				7789-25-5
l-g	5.5684	556.13	−57.15	163/227	153/237 B	213.25/101.325	59-trcnh
59	FNO₂		Nitryl fluoride				10022-50-1
l-g	5.9583	654.55	−35.15	151/214	141/224 B	200.75/101.325	59-trcnh
60	FNO₃		Nitrogen trioxide fluoride				7789-26-6
l-g	5.79076	769.5	−25.15	165/246	160/252 C	229.15/101.325	59-trcnh
61	FNS		Thiazyl fluoride				18820-63-8
l-g	5.6067	877.1	−34.15	270/299	265.3/303 C	277.75/101.325	59-trcnh
62	F₂		Fluorine				7782-41-4
cr-g	9.1631	747.83	23.34	32/50	30/53.5 B	84.95/101.325	73-trcnh
l-g	5.89078	304.35	−6.611	60/91	53.5/98 B		73-trcnh
63	F₂HO₂P		Phosphonodifluoridic acid				13779-41-4
l-g	5.8602	1342.9	−41.15	283/418	278/425 C	389.15/101.325	60-trcnh
64	F₂N₂S		Dinitrogen sulfur difluoride				500010-01-5
l-g	5.9077	901	−31.15	192/281	190/282 D	262.05/101.325	59-trcnh
65	F₂O		Oxygen difluoride				7783-41-7
l-g	6.36109	545.05	−3.24	54/137	49.4/147 B	128.45/101.325	73-trcnh
66	F₂OS		Thionyl fluoride				7783-42-8
l-g	6.08396	775.48	−39.15	173/244	163/254 B		59-trcnh
67	F₂OSe		Seleninyl difluoride				7783-43-9
l-g	6.545	1380	−95.15	316/420	310/426 C	399.15/101.325	59-trcnh
68	F₂O₂		Dioxygen difluoride				7783-44-0
l-g	5.90392	756.39	−22.99	158/183	148/193 B	217.15/101.325	73-trcnh
69	F₂O₂S		Sulfuryl fluoride				2699-79-8
l-g	6.0319	784.3	−23.15	160/233	152/241 C		59-trcnh
70	F₂O₃		Trioxxygen difluoride				16829-28-0
l-g	2.643	267.16	−35.11	73/119	67/125 C		73-trcnh

Phase	Antoine constants			T-range [K]	Range [K], Rating	T _b [K]/P _b [kPa]	Ref. Note
	A, (n)	B [K], (E)	C [K], (F)				
71	F₂O₅S₂		Pyrosulfuryl difluoride				13036-75-4
l-g	6.006	1120	−44.15	240/346	240/346 D		59-trcnh
72	F₂O₈S₃		Trisulfur octoxide difluoride				13709-33-6
l-g	6.115	1360	−62.15	296/419	296/419 D		59-trcnh
73	F₂S₂		Disulfur difluoride				16860-99-4
l-g	5.809	628	−17.15	153/196	153/196 D		59-trcnh
74	F₂Xe		Xenon difluoride				13709-36-9
cr-g	9.14437	2683.96	−11.47	252/398	302/408 B	387.45/101.325	73-trcnh
75	F₃N		Nitrogen trifluoride				7783-54-2
l-g	5.90456	501.913	−15.36	105/154	95/164 B	144.09/101.325	59-trcnh
76	F₃NS		Nitrogen fluoride sulfide				15930-75-3
l-g	6.01	888.5	−28.15	184/268	179/275 C	250.05/101.325	59-trcnh
77	F₃P		Phosphorus trifluoride				7783-55-3
l-g	5.9853	620.22	−16.15	125/184	121.6/194 B	171.95/101.325	60-trcnh
78	F₃PO		Phosphoryl trifluoride				13478-20-1
cr-g	10.0554	1783	−12.15	195/234	188/234.0 C	233.65/101.325	60-trcnh
l-g	6.2404	810.1	−42.15	233/248	234.0/256 C		60-trcnh
79	F₄OS		Sulfur oxide tetrafluoride				13709-54-1
l-g	6.1967	840.3	−24.15	166/240	160/248 C		59-trcnh
80	F₄O₅S₂		Disulfur pentoxide tetrafluoride				44982-62-9
l-g	6.01	1140	−46.15	246/353	246/353 D		59-trcnh
81	F₄S		Sulfur tetrafluoride				7783-60-0
l-g	5.9644	823.4	−25.15	170/250	165/256 C		59-trcnh
82	F₄Se		Selenium tetrafluoride				13465-66-2
l-g	7.0136	1603	−58.15	297/398	297/398 D	378.15/101.325	59-trcnh
83	F₄Xe		Xenon tetrafluoride				13709-61-0
cr-g	10.0388	3095.06	−3.59	316/390	309/390.3 B	388.85/101.325	73-trcnh
84	F₅I		Iodine pentafluoride				7783-66-6
cr-g	1.9137	102.9	−224.33	260/283	260/282.6 D	377.64/101.325	76-trcnh
l-g	6.3659	1387	−59.53	288/401	282.6/408 C		76-trcnh
85	F₅P		Phosphorus pentafluoride				7647-19-0
cr-g	9.7656	1362.3	−9.15	153/175	143/179.4 C	188.65/101.325	60-trcnh
l-g	6.0393	647.21	−28.15	182/201	179.4/211 B		60-trcnh
86	F₆S		Sulfur hexafluoride				2551-62-4
cr-g	7.5409	1096.5	−11.15	162/220	154/228 C		59-trcnh
87	F₆Se		Selenium hexafluoride				7783-79-1
cr-g	7.5103	1121.4	−23.15	179/238	175/245 C	226.85/101.325	59-trcnh
88	F₆Te		Tellurium hexafluoride				7783-80-4
cr-g	7.7677	1274	−13.15	184/234	180/235.4 D	234.95/101.325	59-trcnh
l-g	5.8737	807	−26.15	236/252	235.4/265 D		59-trcnh

Phase	Antoine constants			T-range [K]	Range [K], Rating	T _b [K]/P _b [kPa]	Ref. Note
	A, (n)	B [K], (E)	C [K], (F)				
89	F₇I		Iodine heptafluoride				16921-96-3
l-g	6.10047	1015.7	-31.76	277/284	270/291 C	279.75/101.325	76-trcnh
90	F₁₀O₂S₂		Thiosulfuryl decafluoride				12395-41-4
l-g	5.999	1110	-44.15	239/344	239/344 D		59-trcnh
91	F₁₀S₂		Disulfur decafluoride				5714-22-7
l-g	6.1925	1100.6	-39.15	226/322	226/322 D		59-trcnh
92	F₁₀Te₂		Ditellurium decafluoride				53214-07-6
l-g	6.0267	1150	-46.15	247/355	240/363 C	332.15/101.325	59-trcnh
93	HCl		Hydrogen chloride				7647-01-0
cr-g	7.25963	941.57	-5.09	112/155	129/159.0 B	188.15/101.325	73-trcnh
l-g	6.2949	745.8	-14.268	160/201	159.0/211 B		73-trcnh
94	HF		Hydrogen fluoride				7664-39-3
l-g	6.80588	1475.6	14.73	212/313	202/323 B	292.67/101.325	73-trcnh
95	HI		Hydrogen iodide				10034-85-2
cr-g	6.31604	874.86	-32.73	155/225	150/222.4 C	237.55/101.325	75-trcnh
l-g	4.69803	405.33	-87.02	218/256	222.4/266 B		75-trcnh
96	H₄IN		Ammonium iodide				12027-06-4
cr-g	8.2719	3959	-47.15	544/710	544/710 D	678.95/101.325	90-trcnh
97	I₂		Iodide				7553-56-2
cr-g	8.88205	2867.03	-18.97	236/384	343/386.8 B	457.56/101.325	75-trcnh
l-g	6.1431	1611.9	-67.97	392/487	386.8/497 B		75-trcnh
98	CAs₃Cl₂F₃		Dichloro(trifluoro-methyl)arsine				421-32-9
l-g	5.56689	1078.18	-50.54	225/295	215/305 C		84-dykrep
99	CBrClF₂		Bromochloro-difluoromethane				353-59-3
l-g	5.9585	933.04	-33.15	210/270	188/276 B		94-trcnh
l-g	5.9585 (0.434294)	933.04 (-54.79)	-33.15 (3324.1)	280/426	276/426.9 B		94-trcnh
100	CBrCl₂F		Bromodichloro-fluoromethane				353-58-2
l-g	6.674	1515.7	0.0	245/330	235/350 C		94-trcnh
101	CBrCl₃		Bromotrichloro-methane				75-62-7
l-g	5.7086	1144.87	-68.15	290/390	269/415 B		94-trcnh
102	CBrFO		Carbonic bromide fluoride				753-56-0
l-g	6.7434	1196.7	0	197/256	197/256 D		79-dykrep
103	CBrF₃		Bromotrifluoro-methane				75-63-8
l-g	5.8964	731.31	-27.45	170/220	155/243 B		94-trcnh
l-g	5.8964 (0.434294)	731.31 (4.095)	-27.45 (941.51)	225/340	220/340.15 B		94-trcnh
104	CBrN		Cyanogen bromide				506-68-3
cr-g	9.71635	2697.49	18.61	273/318	273/319 C		79-dykrep
105	CBrN₃O₆		Bromotrinitromethane				560-95-2
l-g	7.7901	2496.32	0	318/335	314/341 C		79-dykrep

Phase	Antoine constants			T-range [K]	Range [K], Rating	T _b [K]/P _b [kPa]	Ref. Note
	A, (n)	B [K], (E)	C [K], (F)				
106	CBr₂ClF		Dibromochlorofluoromethane				353-55-9
l-g	6.799	1697.4	0	270/360	260/380 D		94-trcnh
107	CBr₂Cl₂		Dibromodichloro-methane				594-18-3
l-g	9.6654	4438.3	-121.85	300/340	295/345 C		94-trcnh
l-g	6.4888	828.42	-154.65	370/495	345/540 B		94-trcnh
108	CBr₂F₂		Dibromodifluoro-methane				75-61-6
l-g	6.1878	1127.43	-26.35	220/340	207/355 B		94-trcnh
109	CBr₃Cl		Tribromochloro-methane				594-15-0
l-g	7.009	1888.6	0	300/390	280/405 C		94-trcnh
110	CBr₃F		Tribromofluoro-methane				353-54-8
l-g	6.715	1790.4	0	320/380	305/385 C		94-trcnh
111	CBr₄		Tetrabromomethane				558-13-4
cr-g	8.5116	2841.4	0	294/319	290/319 D	462.65/101.325	17-trcnh
cr-g	7.6919	2578.9	0	320/329	319/331 D		17-trcnh
l-g	4.89693	873.53	-160.55	370/497	364.2/509 B		80-trcnh
112	CClFO		Carbonic chloride fluoride				353-49-1
l-g	7.2298	1187.2	0	165/211	155/221 C		79-dykrep
113	CClF₂NO		Difluorocarbamoyl chloride				16847-30-6
l-g	7.03661	1347.34	0	189/234	189/234 D		84-dykrep
114	CClF₃		Chlorotrifluoro-methane				75-72-9
l-g	5.90353	654.656	-23.76	150/215	135/197 A	191.69/101.325	95-trcnh
l-g	5.90353 (0.434294)	654.656 (62.99)	-23.76 (-2130.8)	200/301	197/301.8 B		95-trcnh
115	CClF₃O		Trifluoromethyl hypochlorite				22082-78-6
l-g	6.538	1025	0	142/219	142/219 D		79-dykrep
116	CClF₃O₂		Trifluoromethyl peroxyhypochlorite				32755-26-3
l-g	6.867	1221	0	293/363	293/363 D		79-dykrep
117	CClF₃O₃S		Difluorochloromethyl fluorosulfonate				6069-31-4
l-g	5.36772	745.58	-86.42	228/310	218/320 C		84-dykrep
118	CClF₃O₄		Perchloric acid, trifluoromethyl ester				52003-45-9
l-g	6.6077	1301	0	293/353	293/353 D		84-dykrep
119	CClF₃S		Trifluoromethane-sulfonyl chloride				421-17-0
l-g	5.25548	639.89	-75.65	247/272	243/278 C		79-dykrep
120	CClF₄N		Difluoro(difluoro-chloromethyl)amine				13880-71-2
l-g	6.83952	1388.77	0	209/277	209/277 D		84-dykrep
121	CClF₄NO₂S		Chloro(trifluoro-methyl)sulfamoyl fluoride				19419-95-5
l-g	6.901	1503	0	253/288	253/288 D		84-dykrep
122	CClF₇S		Chlorotetrafluoro-(trifluoromethyl)sulfur				42179-04-4
l-g	6.615	1352	0	293/353	293/353 D		84-dykrep
123	CClN		Cyanogen chloride				506-77-4
cr-g	7.15381	1232.34	-43.89	196/259	186/269 C		79-dykrep

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
124	CCl₂FI		Dichlorofluoroiodo-methane				420-48-4
l-g	6.83938	1708.86	0	315/365	315/365 C	353.53/101.325	52-has, 79-kudkud-1 Note 12
125	CCl₂F₂		Dichlorodifluoro-methane				75-71-8
l-g	6.01171	868.076	−26.76	185/385	170/250 B	243.43/101.325	95-trcnh
l-g	6.01171 (0.434294)	868.076 (104.14)	−26.76 (−3216.3)	255/385	250/385.12 B		95-trcnh
126	CCl₂F₃N		<i>N,N</i>-Dichloro-1,1,1-trifluoromethylamine				13880-73-4
l-g	6.65638	1347.37	0	226/291	216/301 C		84-dykrep
127	CCl₂F₃NS		Imidosulfurous dichloride, (trifluoromethyl)-				10564-47-3
l-g	5.07933	824.684	−99.415	284/344	274/354 C	362.12/101.325	84-pas
128	CCl₂F₃PS		Dichloro(trifluoro-methylthio)phosphine				18799-78-5
l-g	6.4699	1655	0	293/363	293/363 D		84-dykrep
129	CCl₂O		Carbonic dichloride				75-44-5
l-g	6.06819	986.45	−37.88	240/281	230/291 B		79-dykrep
130	CCl₃F		Trichlorofluoro-methane				75-69-4
l-g	6.00905	1043.313	−36.2	219/318	209/313 B	296.86/101.325	95-trcnh
l-g	6.00905 (0.434294)	1043.313 (75.08)	−36.2 (−1375.6)	318/468	313/471.12 B		95-trcnh
131	CCl₃F₂P		Difluoro(trichloro-methyl)phosphine				1112-03-4
cr-g	7.6679	1920	0	264/283	262/288 D		84-dykrep
l-g	6.9019	1699	0	289/313	288/316 D		84-dykrep
132	CCl₃NO		Trichloronitroso-methane				3711-49-7
l-g	7.085	1690	0	253/333	253/333 D		79-dykrep
133	CCl₃NO₂		Chloropicrin				76-06-2
l-g	9.24237	3300.24	79.48	253/308	253/308 C		84-pas
134	CCl₃NSi		Trichlorosilane-carbonitrile				18157-01-2
l-g	6.8759	1687	0	227/293	227/293 D		79-dykrep
135	CCl₃NSSi		Trichloroisothio-cyanatosilane				18157-00-1
l-g	7.1234	2060	0	340/403	340/403 D		79-dykrep
136	CCl₄		Tetrachloromethane				56-23-5
cr-g	1.0167	104.8	−167.65	204/226	194/236 B	349.79/101.325	77-trcnh
cr-g	4.6491	713.6	−95.25	226/249	216/250.3 B		77-trcnh
l-g	6.10445	1265.63	−41.002	250/374	250.3/389 A		73-trcnh
137	CFN		Cyanogen fluoride				1495-50-7
cr-g	8.9229	1508	0	147/191	140/191 D		79-dykrep
l-g	7.1549	1169.2	0	196/227	191/233 C		79-dykrep
138	CFNO₃S		Sulfuryl fluoride isocyanate				1495-51-8
l-g	7.68377	1905.36	0	294/335	284/345 C		84-dykrep
139	CFNO₆S₂		Pyrosulfuryl fluoride isocyanate				27931-74-4
l-g	7.2599	2134	0	330/405	330/405 D		84-dykrep

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T_b</i> [K]/ <i>P_b</i> [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
140	CFN₃O₆		Fluorotrinitromethane				1840-42-2
l-g	7.0715	1821.07	0	275/357	265/367 C	359.48/101.325	84-pas
141	CF₂N₂		Difluorocyanamide				7127-18-6
cr-g	7.095	1075	0	179/198	179/198 D		79-dykrep
142	CF₂N₂OS		Cyanoimidosulfuryl fluoride				19073-57-5
l-g	7.485	1945	0	262/354	262/354 D		79-dykrep
143	CF₂N₂O₄		Difluorodinitro-methane				1185-11-1
l-g	8.995	2163.9	0	283/310	283/310 D		87-trcsp
144	CF₂N₂S		Cyanoimidosulfurous difluoride				14453-41-9
l-g	8.11	2302	0	271/320	271/320 D		79-dykrep
145	CF₂O		Carbonyl fluoride				353-50-4
cr-g	6.06499	591.84	−42.77	130/162	126/162 C		79-dykrep
l-g	6.65565	717.5	−32.95	162/189	162/195 D		79-dykrep
146	CF₂O₄S		Fluoroformyl fluorosulfate				7519-54-2
l-g	6.61678	1511.3	8.45	250/296	240/306 C		79-dykrep
147	CF₂S		Thiocarbonyl fluoride				420-32-6
l-g	6.765	1002	0	133/211	133/211 D		79-dykrep
148	CF₃I		Trifluoroiodomethane				2314-97-8
l-g	6.6914	1174.29	0	188/296	178/306 C		79-dykrep
149	CF₃NO		(Difluoroamino)-carbonyl fluoride				2368-32-3
l-g	7.1089	1129	0	143/217	143/217 D		79-dykrep
150	CF₃NO		Trifluoronitroso-methane				334-99-6
l-g	6.799	895.86	0	141/174	138/180 D		79-dykrep
151	CF₃NOS		<i>N</i>-Sulfinyltrifluoro-methanamine				10564-49-5
l-g	6.858	1413	0	239/289	239/289 D		79-dykrep
152	CF₃NOS		<i>S,S</i>-Difluoro-<i>N</i>-(fluoroformyl)-sulfilimine				3855-41-2
l-g	8.0655	1950	0	220/323	210/333 C		79-dykrep
153	CF₃NO₂		Fluoropicrin				335-02-4
l-g	4.10815	217.267	−138.694	239/243	238/244 C	242.3/101.325	84-pas
154	CF₃NO₄		Trifluoromethyl-peroxynitrate				50311-48-3
l-g	6.74837	1297.36	0	193/247	183/257 D		84-dykrep
155	CF₃NO₆S₂		<i>N</i>-(Fluoroformyl)-<i>N,O</i>-bis-(fluorosulfonyl)-hydroxylamine				19252-48-3
l-g	6.7944	1895	0	325/392	305/392 D		79-dykrep
156	CF₄		Tetrafluoromethane				75-73-0
cr-g	9.30865	927.207	2.12	66/76	56/76.27 C	145.09/101.325	96-trcnh
cr-g	6.17827	529.897	−15.41	76/89	76.27/89.55 B		96-trcnh
l-g	6.1086	537.611	−13.61	89/104	89.55/104 B		96-trcnh
l-g	5.95894	510.595	−15.95	106/156	104/156 A		96-trcnh
l-g	5.95894	510.595	−15.95	158/226	156/227.5 B		96-trcnh
	(0.434294)	(−93.740)	(7425.9)				
157	CF₄N₂O		Fluoro(trifluoro-methyl)diazine 2-oxide				815-10-1
l-g	5.70258	744.07	−64.25	233/267	223/277 C		79-dykrep

Phase	Antoine constants			T-range [K]	Range [K], Rating	T _b [K]/P _b [kPa]	Ref. Note
	A, (n)	B [K], (E)	C [K], (F)				
158	CF₄N₂O₃S₂		Carbonyl bis(imidosulfuryl fluoride)				25523-80-2
l-g	7.5069	2159	0	316/331	316/331 D		79-dykrep
159	CF₄O		Trifluoromethyl hypofluorite				373-91-1
l-g	6.19992	689.23	-13.78	153/194	143/204 C		79-dykrep
160	CF₄OS		Trifluoromethane-sulfinyl fluoride				812-12-4
l-g	5.56188	804.05	-44.8	204/271	194/281 C		79-dykrep
161	CF₄O₂		Trifluoromethyl peroxyhypochlorite				34511-13-2
l-g	6.16405	749.71	-23.3	156/203	146/213 C		84-dykrep
162	CF₄O₂S		Trifluoromethane-sulfonyl fluoride				335-05-7
l-g	6.861	1221	0	226/249	224/255 D		79-dykrep
163	CF₄O₅S₂		Trifluoromethane-sulfonyl fluorosulfate				21595-44-8
l-g	7.043	1721	0	308/338	306/340 D		79-dykrep
164	CF₅N		Pentafluoro-methanamine				335-01-3
cr-g	7.075	970	0	138/151	136/151 D		79-dykrep
l-g	6.5989	901	0	151/198	151/202 C		79-dykrep
165	CF₅NO		Pentafluoro-methoxyamine				4217-93-0
l-g	6.4999	968.6	0	167/210	167/210 C		79-dykrep
166	CF₅OPS		Phosphorothionic dichloride, S-trifluoromethyl ester				52752-66-6
l-g	6.0269	1207.4	0	293/353	293/353 D		84-dykrep
167	CF₅O₃P		Peroxyphosphoro-dichloric acid, trifluoromethyl ester				39125-42-3
l-g	7.8019	1672.8	0	241/280	241/280 D		84-dykrep
168	CF₆N₂S₂		N,N-(Difluoromethylene)-bis(S,S-difluorosulfilimine)				17686-45-2
l-g	7.206	1880	0	230/313	230/313 D		79-dykrep
169	CF₆PS		Difluoro(trifluoro-methylthio)phosphine				52752-65-5
l-g	6.2109	1164.2	0	293/353	293/353 D		84-dykrep
170	CF₈OS		Pentafluoro(trifluoro-methoxy)sulfur				1873-23-0
l-g	6.16109	949.88	-33.62	217/262	207/272 C		84-dykrep
171	CF₈S		Pentafluoro(trifluoro-methyl)sulfur				373-80-8
l-g	5.96611	849.09	-38.36	205/262	195/272 C		79-dykrep
172	CIN		Cyanogen iodide				506-78-5
l-g	6.895	2090.1	0	419/426	417/428 C		79-dykrep
173	CHBrClF		Bromochlorofluoro-methane				593-98-6
l-g	6.621	1429.3	0	240/310	225/335 C		94-trcnh
174	CHBrCl₂		Bromodichloro-methane				75-27-4
l-g	6.6205	1677.0	0	280/370	264/395 C		94-trcnh
175	CHBrFI		Bromofluoroiodo-methane				1512-27-2
l-g	6.69918	1765.448	0	308/376	308/376 D	376.15/101.325	52-has Note 12

Phase	Antoine constants			T-range [K]	Range [K], Rating	T _b [K]/P _b [kPa]	Ref. Note
	A, (n)	B [K], (E)	C [K], (F)				
176	CHBrF₂		Bromodifluoro-methane				1511-62-2
l-g	5.4003	640.32	−69.05	200/260	188/264 B		94-trcnh
l-g	5.4003 (0.434294)	640.32 (189.78)	−69.05 (−6582.6)	330/275	264/412 B		94-trcnh
177	CHBr₂Cl		Dibromochloro-methane				124-48-1
l-g	6.832	1670.7	0	270/350	255/372 D		94-trcnh
178	CHBr₂F		Dibromofluoro-methane				1868-53-7
l-g	9.49000	2524.676	0	308/337	305/338 C	337.33/101.325	52-has, 79-kudkud-12
179	CHBr₂I		Dibromiodomethane				593-94-2
l-g	3.47519	993.051	0	364/375	360/380 C	368.20/6	79-kudkud-12 Note 12
180	CHBr₃		Tribromomethane				75-25-2
l-g	6.15631	1511.5	−58.19	316/450	306/460 B	422.7/101.325	80-trcnh
181	CHClF₂		Chlorodifluoro-methane				75-45-6
l-g	6.13253	835.462	−29.69	180/240	165/243 B	232.38/101.325	95-trcnh
l-g	6.13253 (0.434294)	836.462 (37.61)	−29.69 (−369.3)	248/369	243/369.28 B		95-trcnh
182	CHClI₂		Chlorodiiodomethane				638-73-3
l-g	6.53200	2141.611	0	361/473	360/473 C	473.15/101.325	79-kudkud-1 Note 12
183	CHCl₂F		Dichlorofluoro-methane				75-43-4
l-g	6.02473	959.934	−43.12	220/303	201/285 B	281.89/101.325	95-trcnh
l-g	6.02473 (0.434294)	959.934 (9.61)	−43.12 (574.28)	303/451	285/451.5 B		95-trcnh
184	CHCl₂FO₃S		Dichloromethyl fluorosulfonate				42016-50-2
l-g	7.125	1890	0	275/293	275/293 D		84-dykrep
185	CHCl₂I		Dichloriodomethane				594-04-7
l-g	6.74912	1916.664	0	313/405	313/405 D	404.07/101.325	54-hindow, 79-kudkud-1
186	CHCl₃		Trichloromethane				67-66-3
l-g	5.96288	1106.94	−54.598	210/357	209.6/374 A	334.33/101.325	73-trcnh
187	CHCl₃Ge		Trichloro(dichloro-methyl)germane				21572-22-5
l-g	6.14902	1568.57	−64.13	313/433	303/443 C		84-dykrep
188	CHF₂I		Fluorodiiodomethane				1493-01-2
l-g	5.744	1357.9	−35.09	284/353	274/363 B		80-trcnh
189	CHFN₂O₄		Fluorodinitromethane				7182-87-8
l-g	7.775	2278.1	0	298/338	298/338 D		79-dykrep
190	CHFO		Formyl fluoride				1493-02-3
l-g	7.1989	1273.4	0	178/235	168/245 C		79-dykrep
191	CHF₂I		Difluoriodomethane				1493-03-4
l-g	6.2323	1170.9	−18.31	216/316	206/326 B		80-trcnh

Phase	Antoine constants			T-range [K]	Range [K], Rating	T _b [K]/P _b [kPa]	Ref. Note
	A, (n)	B [K], (E)	C [K], (F)				
192	CHF₃		Trifluoromethane				75-46-7
cr-g	10.201	1338.7	0	59	55/118 C	190.99/101.325	79-trcnh
l-g	6.9184	939.	-1.15	122/141	118/141 C		90-trcnh
l-g	6.2214	707.396	-23.31	150/200	141/205 B		96-trcnh
l-g	6.2214 (0.434294)	707.396 (70.2432)	-23.31 (2833.0)	208/298	205/298.97 B		96-trcnh
193	CHF₃O₂		Trifluoromethyl hydroperoxide				16156-36-8
l-g	7.6817	1614.5	0	248/285	242/295 C		79-dykrep
194	CHF₃O₃S		Trifluoromethane-sulfonic acid				1493-13-6
l-g	7.73233	2492.15	0	354/435	350/440 D		84-dykrep
195	CHF₃S		Trifluoromethanethiol				1493-15-8
l-g	6.25881	922.28	-18.3	167/236	157/246 B		79-dykrep
196	CHF₇S		(Difluoromethyl)-pentafluorosulfur				420-67-7
l-g	6.01731	932.73	-45.76	221/293	211/303 C		79-dykrep
197	CHI₃		Triiodomethane				75-47-8
cr-g	9.43806	3890.095	9.771	308/365	308/370 C	451.25/10	43-nitsek, 36-rufbre
198	CH₂BrCl		Bromochloromethane				74-97-5
l-g	5.6809	970.62	-77.05	270/350	248/375 B		94-trcnh
199	CH₂BrF		Bromofluoromethane				373-52-4
l-g	6.497	1305.5	0	220/300	215/320 C		94-trcnh
200	CH₂Br₂		Dibromomethane				74-95-3
l-g	6.31535	1405.83	-43.88	277/394	267/404 B	370.12/101.325	80-trcnh
201	CH₂ClF		Chlorofluoromethane				593-70-4
l-g	5.851	864.85	-39.15	195/283	185/280 B	264.06/101.325	95-trcnh
l-g	5.851 (0.434294)	864.85 (-250)	-39.15 (22000)	283/427	280/427 B		95-trcnh
202	CH₂Cl₂		Dichloromethane				75-09-2
l-g	6.07622	1070.07	-49.91	196/333	185/345 B	312.79/101.325	73-trcnh
203	CH₂Cl₄Ge		Trichloro(chloro-methyl)germane				21572-18-9
l-g	5.95029	1381.55	-75.82	303/423	293/433 C		84-dykrep
204	CH₂Cl₄OSi		Trichloro(chloro-methoxy)silane				18157-08-9
l-g	7.5199	2159	0	273/323	273/323 D		79-dykrep
205	CH₂Cl₆Si₂		1,1,1,3,3,3-Hexachloro-1,3-disilapropane				4142-85-2
l-g	7.2646	2380	0	328/453	318/463 D		79-dykrep
206	CH₂F₂		Difluoromethane				75-10-5
l-g	6.52124	895.852	-22.18	120/160	108/165 C	221.5/101.325	96-trcnh
l-g	6.29712	833.137	-27.29	166/236	165/235 B		96-trcnh
l-g	6.29712 (0.434294)	833.137 (61.006)	-27.29 (-747.43.12)	238/351	235/351.36 B		96-trcnh
207	CH₂F₃NS		1,1,1-Trifluoro-methanesulfenamide				1512-33-0
l-g	7.585	1783	0	218/291	218/291 D		84-dykrep

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
208	CH₂I₂		Diiodomethane				75-11-6
l-g	6.291	1715.7	−54.95	341/485	331/495 C	455.15/101.325	80-trcnh
209	CH₃AsCl₂		Dichloromethylarsine				593-89-5
l-g	7.323	2142.6	0	338/408	338/408 D		79-dykrep
210	CH₃AsCl₂		Difluoromethylarsine				420-24-6
l-g	6.4048	1285.6	−57.35	282/350	272/360 C		79-dykrep
211	CH₃BCl₂O		Dichloromethoxy-borane(3)				867-46-9
l-g	5.9275	1067.7	−58.88	267/331	257/341 C		79-dykrep
212	CH₃Br		Bromomethane				74-83-9
l-g	6.21313	1044.42	−28.47	205/295	195/307 B	276.71/101.325	80-trcnh
213	CH₃BrHg		Bromomethylmercury				506-83-2
cr-g	9.098	3530	0	258/297	258/300 D		79-dykrep
214	CH₃Cl		Chloromethane				74-87-3
l-g	6.16533	920.86	−27.57	184/266	175.5/276 B	248.95/101.325	81-trcnh
215	CH₃ClHg		Chloromethylmercury				115-09-3
cr-g	8.5537	3371.4	0	267/285	257/295 C		79-dykrep
216	CH₃Cl₂FSi		Dichlorofluoro-methylsilane				420-58-6
l-g	6.8702	1472.3	0	243/303	233/313 C		79-dykrep
217	CH₃Cl₂P		Dichloro-methylphosphine				676-83-5
l-g	7.32735	1857	0	229/297	229/297 D		79-dykrep
218	CH₃Cl₃Ge		Trichloromethyl-germane				993-10-2
l-g	6.16795	1412.52	−46.05	293/385	283/395 C		79-dykrep
219	CH₃Cl₃Si		Methyltrichlorosilane				75-79-6
l-g	5.9469	1157	−45.75	307/340	297/350 C		79-dykrep
220	CH₃Cl₅Si₂		Pentachloromethyl-disilane				26980-40-5
l-g	7.04337	2186.11	8.14	308/379	306/384 C		84-dykrep
221	CH₃F		Fluoromethane				593-53-3
l-g	5.98062	686.26	−23.32	133/138	131.4/143 B	194.82/101.325	96-trcnh
l-g	6.19421	734.222	−19.58	144/200	143/210 A		96-trcnh
l-g	6.19421 (0.434294)	734.222 (57.676)	−19.58 (−1868.2)	213/317	200/317.36 B		96-trcnh
222	CH₃F₂N		<i>N,N</i>-Difluoromethanamine				753-58-2
l-g	5.97577	871.05	−37.78	257/343	247/353 B		79-dykrep
223	CH₃F₂NS		Imidosulfurous difluoride, methyl				758-20-3
l-g	7.1777	1498.46	0	194/258	194/258 D		84-dykrep
224	CH₃F₂OPS		Difluorothiophosphoric acid, <i>S</i>-methyl ester				25237-37-0
l-g	5.90079	1107.49	−43.936	236/298	226/308 C		84-dykrep
225	CH₃F₂OPS		Phosphorothionic difluoride, <i>S</i>-trifluoromethyl ester				900001-60-7
l-g	5.90079	1107.49	−43.94	236/298	226/308 C		84-dykrep
226	CH₃F₂P		Methylphosphorous difluoride				753-59-3
l-g	6.955	1220	0	174/236	174/236 D		79-dykrep

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T_b</i> [K]/ <i>P_b</i> [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
227	CH₃F₂PS₂		Phosphorodithionic difluoride, methyl ester				21348-13-0
l-g	7.28734	1857.07	−12.22	253/298	243/308 C		84-dykrep
228	CH₃F₃Si		Trifluoromethylsilane				373-74-0
l-g	7.1001	1238.1	0	213/243	211/249 C		79-dykrep
229	CH₃F₄NP₂S₂		<i>n</i>, <i>N</i>-Bis(difluorothio-phosphoryl)methyl-amine				25741-62-2
l-g	7.11581	2092.12	4.89	273/305	273/305 D		84-dykrep
230	CH₃HgI		Iodomethylmercury				143-36-2
cr-g	8.6281	3393.7	0	263/290	253/300 C		79-dykrep
231	CH₃I		Iodomethane				74-88-4
l-g	6.09731	1138.29	−37.38	234/337	224/347 B	315.58/101.325	80-trcnh
232	CH₄ClFSi		Chlorofluoro-methylsilane				373-67-1
l-g	6.7315	1296.6	0	198/273	190/283 C		79-dykrep
233	CH₄Cl₂Ge		Dichloromethyl-germane				1111-82-6
l-g	5.99598	1383.99	−39.98	280/297	276/303 C		84-dykrep
234	CH₄Cl₂OSi		Dichloromethoxy-silane				6485-89-8
l-g	6.9649	1600	0	273/311	273/311 D		84-dykrep
235	CH₄Cl₂Si		Dichloromethylsilane				75-54-7
l-g	6.7317	1484.94	0	208/314	206/283 D		79-dykrep
l-g	5.8316	1073.16	−61.2	283/319	283/325 C		84-dykrep1
236	CH₄F₂NPS		<i>N</i>-Methylphosphor-amidodithionic acid				31411-30-0
l-g	9.46303	3721.23	100.46	273/325	273/325 C		84-dykrep
237	CH₄F₂Si		Difluoromethylsilane				420-34-8
l-g	6.8904	1160.4	0	198/237	188/247 C		79-dykrep
238	CH₅ClSi		(Chloromethyl)silane				10112-09-1
l-g	7.21792	1719.28	25.45	246/297	236/307 C		84-dykrep
239	CH₅FGe		Fluoromethyl germane				30123-02-5
l-g	7.5379	1728	0	226/273	226/283 D		84-dykrep
240	CH₆CIN		Methylammonium chloride				593-51-1
l-g	12.0909	5981.4	0	518/593	508/603 C		79-dykrep
241	CH₇ClSi₂		(Chloromethyl)-disilane				54713-74-5
l-g	7.21772	1875.07	0	250/299	240/309 C		84-dykrep
242	CH₇ClSi₂		[(Chlorosilyl)methyl]-silane				35483-45-5
l-g	6.96331	1674.13	0	273/301	269/307 C		84-dykrep