



TGA Vapor Phase Library

<u>Index Number</u>	<u>Compound Name</u>
1	Methane
2	Ethane
3	Propane
4	Butane
5	Pentane
6	Hexane
7	Heptane
8	Octane
9	Nonane
10	Decane
11	Dodecane
12	Tetradecane
13	Hexadecane
14	Octadecane
15	Eicosane
16	2-Methylpropane; Isobutane
17	2-Methylbutane; Isopentane
18	2-Methylpentane; Isohexane
19	3-Methylpentane
20	3-Ethylpentane
21	2,2-Dimethylbutane
22	2,3-Dimethylbutane
23	2,2-Dimethylpentane
24	2,5-Dimethylhexane
25	2,2,4-Trimethylpentane
26	Ethylene; Ethene
27	Propylene; Propene
28	1-Butene
29	1-Pentene
30	1-Hexene
31	1-Heptene
32	1-Decene
33	(E)-2-Butene
34	2-Pentene, (E) + (Z)
35	(E)-2-Hexene
36	(E)-3-Hexene
37	(E)-3-Heptene
38	(E)-3-Octene
39	(E)-2-Nonene
40	(E)-3-Nonene
41	4-Nonene, (E) + (Z)
42	Isobutene; 2-Methylpropene
43	2-Methyl-1-butene
44	3-Methyl-1-butene
45	2-Ethyl-1-butene
46	2-Methyl-2-butene
47	2-Methyl-1-pentene
48	3-Methyl-1-pentene
49	4-Methyl-1-pentene
50	2-Methyl-2-pentene
51	3-Methyl-2-pentene, (E) + (Z)
52	4-Methyl-2-pentene
53	2-Methyl-1-hexene
54	2-Methyl-1-heptene
55	2,3-Dimethyl-1-butene
56	3,3-Dimethyl-1-butene
57	2,3-Dimethyl-2-butene
58	2,4-Dimethyl-1-pentene
59	Allene; Propadiene
60	1,3-Butadiene; Bivinyll
61	(E)-Piperylene; (E)-1,3-Pentadiene
62	1,4-Pentadiene
63	1,4-Hexadiene, (E) + (Z)
64	(E,E)-2,4-Hexadiene
65	3-Methyl-1,2-butadiene
66	Isoprene; 2-Methyl-1,3-butadiene
67	(E)-2-Methyl-1,3-pentadiene
68	3-Methyl-1,3-pentadiene, (E) + (Z)
69	Cyclopentane
70	Cyclohexane
71	Methylcyclohexane
72	Ethylcyclohexane
73	Decahydronaphthalene, cis + trans; Decalin, cis + trans
74	Cyclohexene
75	1-Methyl-1-cyclohexene
76	Fluoromethane; Methyl fluoride

77	Chloromethane; Methyl chloride	104	Vinyl chloride; Chloroethylene
78	Bromomethane; Methyl bromide	105	Vinyl bromide; Bromoethylene
79	Iodomethane; Methyl iodide	106	1,1-Difluoroethylene; Vinylidene fluoride; CFC-1132
80	Chloroethane; Ethyl chloride	107	1,1-Dichloroethylene; Vinylidene chloride
81	Bromoethane; Ethyl bromide	108	(E)-1,2-Dichloroethylene
82	Iodoethane; Ethyl iodide	109	Trichloroethylene
83	2-Chloropropane; Isopropyl chloride	110	Tetrafluoroethylene; CFC-1114
84	2-Bromopropane; Isopropyl bromide	111	Chlorotrifluoroethylene; CFC-1113
85	Dichloromethane; Methylene chloride	112	Tetrachloroethylene
86	1,2-Dichloroethane; Ethylene dichloride	113	Hexachloro-1,3-butadiene
87	1,2-Dichloropropane	114	Methanol; Methyl alcohol
88	Trifluoromethane; Fluoroform; CFC-23	115	Ethanol; Ethyl alcohol
89	Chlorodifluoromethane; CFC-22	116	1-Propanol; Propyl alcohol
90	Dichlorofluoromethane; CFC-21	117	1-Butanol; Butyl alcohol
91	Chloroform; Trichloromethane	118	1-Pentanol; Amyl alcohol
92	1,1,1-Trichloroethane	119	1-Hexanol; Hexyl alcohol
93	Chlorotrifluoromethane; CFC-13	120	1-Heptanol; Heptyl alcohol
94	Dichlorodifluoromethane; CFC-12	121	1-Octanol; Octyl alcohol
95	Fluorotrichloromethane; CFC-11	122	1-Nonanol; Nonyl alcohol
96	Carbon tetrachloride; Tetrachloromethane	123	1-Decanol; Decyl alcohol
97	1,1-Dichloro-2,2,2-trifluoroethane; CFC-123	124	2-Methyl-1-propanol; Isobutyl alcohol
98	Hexafluoroethane; CFC-116	125	2-Propanol; Isopropyl alcohol
99	Chloropentafluoroethane; CFC-115	126	2-Butanol
100	1,2-Dichlorotetrafluoroethane; CFC-114	127	2-Pentanol
101	1,2-Dibromotetrafluoroethane	128	3-Pentanol
102	1,1,2-Trichlorotrifluoroethane; CFC-113b	129	2-Hexanol
103	Vinyl fluoride; Fluoroethylene; CFC-1141	130	2-Heptanol
		131	2-Octanol
		132	2-Methyl-2-propanol; t-Butanol
		133	2-Methyl-2-butanol
		134	1,2-Ethanediol; Ethylene glycol
		135	1,2-Propanediol; Propylene glycol
		136	2,2-Dimethyl-1,3-propanediol
		137	2-Hydroxymethyl-2-methyl-1,3-propanediol
		138	1,4-Butanediol
		139	1,3-Butanediol
		140	2,3-Butanediol
		141	1,5-Pentanediol

142	Allyl alcohol; 2-Propen-1-ol	166	Triethylene glycol; 1,2-Bis(2-hydroxyethoxy)ethane
143	(E)-2-Buten-1-ol; Crotyl alcohol	167	Ethylene oxide; Oxirane
144	3-Buten-1-ol	168	Propylene oxide; 1,2-Epoxypropane
145	Cyclohexanol; Cyclohexyl alcohol	169	1,2-Epoxybutane
146	Glycerol; 1,2,3-Propanetriol; Glycerine	170	Epichlorohydrin; 1-Chloro-2,3-epoxypropane; Glycidyl chloride
147	Diethyl ether; Ethyl ether; Ether	171	Epibromohydrin; 1-Bromo-2,3-epoxypropane; Glycidyl bromide
148	Dipropyl ether; Propyl ether	172	Glycidol; 2,3-Epoxy-1-propanol
149	Diisopropyl ether; Isopropyl ether	173	Tetrahydrofuran
150	Dibutyl ether; Butyl ether	174	Tetrahydropyran
151	t-Butyl methyl ether; 1,1-Dimethyl-1-methoxyethane	175	1,4-Dioxane
152	1,2-Dimethoxyethane; Ethylene glycol dimethyl ether	176	Methanethiol; Methyl mercaptan
153	1,2-Diethoxyethane; Ethylene glycol diethyl ether	177	Ethanethiol; Ethyl mercaptan
154	2-Methoxyethyl ether; Diethylene glycol dimethyl ether	178	1-Propanethiol; Propyl mercaptan
155	Diethylene glycol diethyl ether; 2-Ethoxyethyl ether	179	1-Butanethiol; Butyl mercaptan
156	Triethylene glycol dimethyl ether; 1,2-Bis(2-methoxyethoxy)ethane	180	1-Pentanethiol; Pentyl mercaptan; Amyl mercaptan
157	Tetraethylene glycol dimethyl ether; Bis(2-(2-methoxyethoxy)ethyl) ether	181	1-Hexanethiol; Hexyl mercaptan
158	Ethyl vinyl ether; Ethoxyethene	182	2-Propanethiol; Isopropyl mercaptan
159	Dimethoxymethane; Methylal; Formaldehyde dimethyl acetal	183	2-Propene-1-thiol; Allyl mercaptan
160	2-Methoxyethanol	184	Cyclohexanethiol; Cyclohexyl mercaptan
161	2-Ethoxyethanol	185	Methylamine
162	Diethylene glycol; 2-Hydroxyethyl ether	186	Ethylamine
163	2-Butoxyethanol	187	Propylamine
164	2-(2-Methoxyethoxy)ethanol; Diethylene glycol monomethyl ether	188	Butylamine
165	2-(2-Ethoxyethoxy)ethanol; Diethylene glycol monoethyl ether	189	Pentylamine; Amylamine
		190	Hexylamine
		191	2-Aminopropane; 1-Methylethylamine; Isopropylamine
		192	2-Aminobutane; 1-Methylpropylamine; 2-Butylamine
		193	1-Amino-2-methylpropane; 2-Methylpropylamine; Isobutylamine

194	1,1-Dimethylethylamine; t-Butylamine	233	Hexanoic acid; Caproic acid
195	Ethylenediamine; 1,2- Diaminoethane	234	Octanoic acid; Caprylic acid
196	Dimethylamine	235	Nonanoic acid; Pelargonic acid
197	Diethylamine	236	2-Methylpropionic acid; Isobutyric acid
198	Trimethylamine	237	3-Methylbutyric acid; Isovaleric acid
199	Triethylamine	238	2-Methylbutyric acid
200	2-(Diethylamino)ethanol; N,N-Diethylethanolamine	239	2,2-Dimethylbutyric acid
201	Triethanolamine; 2,2',2''- Nitrilotriethanol	240	3,3-Dimethylbutyric acid
202	Pyrrolidine; Tetrahydropyrrole	241	2-Ethylbutyric acid
203	Piperidine	242	2-Methylpentanoic acid; 2-Methylvaleric acid
204	Piperazine	243	3-Methylpentanoic acid; 3-Methylvaleric acid
205	Morpholine	244	4-Methylpentanoic acid; Isocaproic acid
206	Nitromethane	245	Acrylic acid; Propenoic acid
207	Nitroethane	246	Crotonic acid; 2-Butenoic acid
208	1-Nitropropane	247	3-Butenoic acid; Vinylacetic acid
209	2-Nitropropane	248	Methacrylic acid; 2- Methylpropenoic acid
210	2-Propanone; Acetone	249	(E)-2-Pentenoic acid
211	2-Butanone; Methyl ethyl ketone	250	(E)-2-Methyl-2-butenic acid; Tiglic acid
212	3-Methyl-2-butanone; Methyl isopropyl ketone	251	3-Methyl-2-butenic acid; 3-Methylcrotonic acid; Senecioic acid
213	2-Pentanone	252	(E)-2-Methyl-2-pentenoic acid
214	3-Pentanone; Diethyl ketone	253	Methyl formate
215	3-Methyl-2-pentanone	254	Ethyl formate
216	4-Methyl-2-pentanone; Methyl isobutyl ketone	255	Isopropyl formate
217	Cyclohexanone	256	Methyl acetate
218	Formaldehyde; Formalin	257	Ethyl acetate
219	Acetaldehyde; Ethanal	258	Propyl acetate
220	Propionaldehyde; Propanal	259	Isopropyl acetate
221	Isobutyraldehyde; 2- Methylpropanal	260	Butyl acetate
222	Butyraldehyde; Butanal	261	Pentyl acetate; Amyl acetate
223	Valeraldehyde; Pentanal	262	Hexyl acetate
224	Hexanal; Caproaldehyde	263	Methyl propionate
225	Acrolein; Propenal	264	Ethyl propionate
226	Methacrolein; 2- Methylpropenal	265	Methyl 2- methylpropanoate; Methyl isobutyrate
227	Crotonaldehyde; 2- Butenal	266	Ethyl 2- methylpropanoate; Ethyl isobutyrate
228	Formic acid	267	Dimethyl carbonate
229	Acetic acid; Ethanoic acid		
230	Propionic acid; Propanoic acid		
231	Butyric acid; Butanoic acid		
232	Pentanoic acid; Valeric acid		

268	Diethyl carbonate	302	Butyl acrylate; Butyl propenoate
269	Bis(2-ethylhexyl) carbonate	303	Isobutyl acrylate; 2-Methylpropyl propenoate
270	Dimethyl oxalate	304	Methyl methacrylate; Methyl 2-methylpropenoate
271	Diethyl oxalate	305	Ethyl methacrylate; Ethyl 2-methylpropenoate
272	Dibutyl oxalate	306	Butyl methacrylate; Butyl 2-methylpropenoate
273	Dimethyl malonate	307	Isobutyl methacrylate; 2-Methylpropyl 2-methylpropenoate
274	Diethyl malonate	308	Dimethyl maleate; Dimethyl (Z)-2-butenedioate
275	Dibutyl malonate	309	Dimethyl fumarate; Dimethyl (E)-2-butenedioate
276	Di-t-butyl malonate	310	Diethyl maleate
277	Diethyl methylmalonate	311	Diethyl fumarate
278	Diethyl ethylmalonate	312	Dibutyl maleate
279	Diethyl diethylmalonate	313	Dibutyl fumarate
280	Diethyl butylmalonate	314	Triethyl citrate; Triethyl 2-hydroxy-1,2,3-propanetricarboxylate
281	Dimethyl succinate	315	1-Monoacetin; 1-Glycerol monoacetate
282	Diethyl succinate	316	2-Hydroxyethyl methacrylate
283	Dimethyl glutarate; Dimethyl pentanedioate	317	Bis(2-butoxyethyl) adipate; Bis(2-butoxyethyl) hexanedioate
284	Diethyl glutarate; Diethyl pentanedioate	318	Carbon monoxide
285	Dimethyl adipate; Dimethyl hexanedioate	319	Carbon dioxide
286	Diethyl adipate; Diethyl hexanedioate	320	Carbon disulfide
287	Dipropyl adipate; Dipropyl hexanedioate	321	Acetic anhydride
288	Diisobutyl adipate; Diisobutyl hexanedioate	322	Acetyl chloride
289	Bis(2-ethylhexyl) adipate; Bis(2-ethylhexyl) hexanedioate	323	Propionyl chloride
290	Dimethyl sebacate; Dimethyl decanedioate	324	Butyryl chloride
291	Dibutyl sebacate; Dibutyl decanedioate	325	Isobutyryl chloride; 2-Methylpropionyl chloride
292	Ethylene glycol diacetate; 1,2-Diacetoxyethane	326	Phosgene; Carbonyl dichloride
293	Triacetin; Glycerol triacetate; Acetin	327	Formamide
294	Tributyryl; Glycerol tributyrate; Butyryl acetate	328	Acetamide
295	Triethyl citrate acetate; Triethyl 2-acetoxy-1,2,3-propanetricarboxylate	329	Propionamide
296	Tributyl citrate acetate; Tributyl 2-acetoxy-1,2,3-propanetricarboxylate	330	Acrylamide; Propenoamide
297	Vinyl acetate	331	N-Methylformamide
298	Vinyl propionate	332	N-Methylacetamide
299	Vinyl butyrate	333	N,N-Dimethylformamide
300	Methyl acrylate; Methyl propenoate	334	N,N-Diethylformamide
301	Ethyl acrylate; Ethyl propenoate	335	N,N-Dimethylacetamide

336	N,N-Diethylacetamide	375	Isobutylbenzene
337	Urethane; Ethyl carbamate	376	t-Butylbenzene
338	1-Methyl-2-pyrrolidinone	377	o-Xylene; 1,2-Dimethylbenzene
339	2-Piperidone; d-Valerolactam	378	m-Xylene; 1,3-Dimethylbenzene
340	6-Aminohexanoic acid lactam; e-Caprolactam	379	p-Xylene; 1,4-Dimethylbenzene
341	Hydrogen cyanide	380	1,2,3-Trimethylbenzene
342	Acetonitrile; Methyl cyanide	381	1,2,4-Trimethylbenzene
343	Propionitrile; Ethyl cyanide	382	1,3,5-Trimethylbenzene; Mesitylene
344	Butyronitrile; Propyl cyanide	383	1,2,3,5-Tetramethylbenzene; Isodurene
345	2-Methylpropionitrile; Isobutyronitrile; Isopropyl cyanide	384	1,2,4,5-Tetramethylbenzene; Durene
346	Acrylonitrile; Vinyl cyanide	385	Styrene; Vinylbenzene
347	2-Methylpropenenitrile; Methacrylonitrile	386	a-Methylstyrene; 2-Phenylpropene; Isopropenylbenzene
348	Isocyanic acid	387	(E)-b-Methylstyrene; (E)-1-Phenylpropene; (E)-Propenylbenzene
349	Methyl isocyanate	388	Allylbenzene; 3-Phenylpropene
350	Ethyl isocyanate	389	2-Methylstyrene
351	Propyl isocyanate	390	3-Methylstyrene
352	Isopropyl isocyanate	391	4-Methylstyrene
353	Butyl isocyanate	392	Biphenyl
354	t-Butyl isocyanate	393	Indene
355	Cyclohexyl isocyanate	394	Naphthalene
356	Allyl isocyanate	395	Anthracene
357	Dimethyl sulfoxide; Methyl sulfoxide	396	Phenanthrene
358	Dimethyl sulfone; Methyl sulfone	397	Chlorobenzene
359	Tetrahydrothiophene-1,1-dioxide; Tetramethylene sulfone; Sulfolane	398	Bromobenzene
360	Trimethyl phosphite	399	1,2-Dichlorobenzene
361	Triethyl phosphite	400	1,4-Dichlorobenzene
362	Triisopropyl phosphite	401	Phenol
363	Tributyl phosphite	402	2-Methylphenol; o-Cresol
364	Hexamethylphosphorous triamide	403	3-Methylphenol; m-Cresol
365	Trimethyl phosphate	404	4-Methylphenol; p-Cresol
366	Triethyl phosphate	405	2,6-Di-t-butylphenol
367	Tributyl phosphate; Butyl phosphate	406	2,6-Di-t-butyl-4-methylphenol; BHT
368	Hexamethylphosphoric triamide	407	4,4'-Isopropylidenediphenol; Bisphenol A
369	Benzene	408	Benzyl alcohol
370	Toluene; Methylbenzene	409	Benzenethiol; Thiophenol
371	Ethylbenzene	410	a-Toluenethiol; Benzyl mercaptan
372	Propylbenzene	411	Aniline; Phenylamine; Benzeneamine
373	Butylbenzene		
374	(2-Butyl)benzene		

412	N-Methylaniline	450	Nitrous oxide; Dinitrogen monoxide
413	N,N-Dimethylaniline	451	Nitric oxide
414	o-Toluidine; 2-Methylaniline	452	Nitrogen dioxide
415	m-Toluidine; 3-Methylaniline	453	Water
416	p-Toluidine; 4-Methylaniline	454	Deuterium oxide; Water-d2
417	Nitrobenzene	455	Hydrogen fluoride
418	Benzaldehyde	456	Hydrogen sulfide
419	Benzoic acid	457	Sulfur dioxide
420	2-Hydroxybenzoic acid; Salicylic acid	458	Sulfur trioxide
421	Methyl benzoate	459	Hydrogen chloride
422	Methyl 2-hydroxybenzoate; Methyl salicylate	460	Hydrogen bromide
423	Dimethyl phthalate		
424	Diethyl phthalate		
425	Dipropyl phthalate		
426	Diisopropyl phthalate		
427	Dibutyl phthalate		
428	Diisobutyl phthalate		
429	Dipentyl phthalate		
430	Diallyl phthalate		
431	Benzyl butyl phthalate		
432	Bis(2-methoxyethyl) phthalate		
433	Bis(2-ethoxyethyl) phthalate		
434	Bis(2-butoxyethyl) phthalate		
435	Dibutyl O-(phthaloyl)glycolate		
436	Diallyl terephthalate		
437	(E)-b-Methylstyrene; (E)-1-Phenylpropene; (E)-Propenylbenzene		
438	Benzonitrile		
439	Phenyl isocyanate		
440	2-Furaldehyde; Furan-2-carboxaldehyde; Furfural		
441	1,3,7-Trimethylxanthine; Caffeine		
442	Pyridine		
443	2-Methylpyridine; 2-Picoline		
444	3-Methylpyridine; 3-Picoline		
445	4-Methylpyridine; 4-Picoline		
446	4-Vinylpyridine		
447	Acetylene; Ethyne		
448	Ammonia		
449	Hydrazine		