

Hazardous Chemicals Vapor-Phase FT-IR Spectral Library

Index of Compounds

<u>No.</u>	<u>Compound Description</u>	<u>No.</u>	<u>Compound Description</u>
15	Acenaphthene	212	Butyric acid; Butanoic acid
34	Acenaphthylene	129	Carbon disulfide
258	Acetaldehyde; Ethanal	62	Carbon tetrachloride; Tetrachloromethane
42	Acetamide	294	Carbonyl sulfide
40	Acetic acid; Ethanoic acid	134	Catechol; Pyrocatechol; 1,2-Dihydroxybenzene
210	Acetic anhydride	136	4-Chloro-3-methylphenol; 4-Chloro-m-cresol
265	Acetonitrile; Methyl cyanide	53	Chloroacetaldehyde
218	Acetophenone; Acetylbenzene	119	Chloroacetic acid
85	Acetyl bromide	149	2-Chloroacetophenone; Phenacyl chloride
223	Acetyl chloride	252	4-Chloroaniline
12	Acrolein; Propenal	99	Chlorobenzene
43	Acrylamide; Propenoamide	110	Chlorodibromomethane
259	Acrylic acid; Propenoic acid	290	Chloroethane; Ethyl chloride
208	Acrylonitrile; Vinyl cyanide	65	2-Chloroethanol
224	Acryloyl chloride; Propenoyl chloride	184	2-Chloroethyl ether; Bis(2-chloroethyl) ether
21	Bis(2-ethylhexyl) adipate; Bis(2-ethylhexyl) hexanedioate	181	2-Chloroethyl vinyl ether
41	Adipic acid; Hexanedioic acid	276	Chloromethane; Methyl chloride
125	Adiponitrile; 1,4-Dicyanobutane	1	(Chloromethyl)trichlorosilane
182	Allyl alcohol; 2-Propen-1-ol	56	2-Chloronaphthalene
166	Allyl chloride; 1-Chloro-2-propene	288	Chloropentafluoroethane; CFC-115
200	Allylamine; 3-Amino-1-propene	234	2-Chlorophenol
196	1-Amino-2-methylpropane; 2-Methylpropylamine; sobutylamine	89	3-Chloropropionitrile
98	4-Aminobiphenyl; 4-Biphenylamine	216	Chlorotrimethylsilane; Trimethylsilyl chloride
267	(S)-(+)-2-Aminobutane; (S)-(+)-2-Butylamine	117	Crotonaldehyde; 2-Butenal
75	4-Aminopyridine	5	Cumene; Isopropylbenzene
272	Ammonia	154	Cyclohexane
103	Aniline; Phenylamine; Benzeneamine	213	Cyclohexanone
60	Anthracene	201	Cyclohexylamine
281	Arsine	94	Dibenzofuran; Biphenylene oxide
175	Benzal chloride; a,a-Dichlorotoluene	282	Diborane
130	1,2-Benzanthracene	161	1,2-Dibromoethane; Ethylene dibromide
215	Benzene	124	Dibromomethane; Methylene bromide
146	Benzenethiol; Thiophenol	20	1,2-Dibromotetrafluoroethane
64	Benzoic acid	67	Dibutyl phthalate
73	Benzonitrile	47	(E)-1,4-Dichloro-2-butene
241	Benzotrichloride; a,a,a-Trichlorotoluene	36	1,4-Dichloro-2-butene, (E) + (Z)
72	Benzoyl chloride	118	1,3-Dichloro-2-propanone; 1,3-Dichloroacetone
69	Benzyl butyl phthalate	3	1,3-Dichlorobenzene
2	Benzyl chloride; a-Chlorotoluene	92	1,2-Dichlorobenzene
14	Biphenyl	132	1,4-Dichlorobenzene
70	Bis(2-ethylhexyl) phthalate	284	Dichlorodifluoromethane; CFC-12
303	Boron trichloride	235	Dichlorodimethylsilane
302	Boron trifluoride	157	1,2-Dichloroethane; Ethylene dichloride
158	Bromodichloromethane	156	1,1-Dichloroethane; Ethylidene dichloride
164	Bromoform; Tribromomethane	176	(E)-1,2-Dichloroethylene
293	Bromomethane; Methyl bromide	167	1,2-Dichloroethylene, (E) + (Z)
100	4-Bromophenyl phenyl ether; 4-Bromodiphenyl ether	165	1,1-Dichloroethylene; Vinylidene chloride
285	Bromotrifluoromethane; CFC-13B1	91	Dichloromethane; Methylene chloride
289	1,3-Butadiene; Bivinyll	52	Dichloromethylphenylsilane
171	1-Butanol; Butyl alcohol	243	2,6-Dichlorophenol
87	2-Butanone; Methyl ethyl ketone	244	2,4-Dichlorophenol
82	3-Buten-2-one; Methyl vinyl ketone	93	3,4-Dichlorophenyl isocyanate
230	Butyl acetate	111	1,3-Dichloropropane
260	t-Butyl acetate	155	1,2-Dichloropropane
83	2-Butyl acetate; 1-Methylpropyl acetate	168	2,3-Dichloropropene
206	Butyl acrylate; Butyl propenoate	113	1,3-Dichloropropene, (E) + (Z)
180	t-Butyl methyl ether; 1,1-Dimethyl-1-methoxyethane	287	1,2-Dichlorotetrafluoroethane; CFC-114
197	Butylamine	238	Diethyl chlorophosphate
11	Butyraldehyde; Butanal	179	Diethyl ether; Ethyl ether; Ether

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68	Diethyl phthalate	55	Methallylidene diacetate; 3,3-Diacetoxy-2-methylpropene
254	Diethyl sulfate	297	Methanethiol; Methyl mercaptan
193	Diethylamine	173	Methanol; Methyl alcohol
127	Dimethyl chlorothiophosphate	249	2-Methoxy-4-methylaniline; 2-Methoxy-p-toluidine; 4-Methyl-o-anisidine
74	Dimethyl phthalate	248	2-Methoxyaniline; o-Anisidine
227	Dimethyl sulfate	251	4-Methoxyaniline; p-Anisidine
148	N,N-Dimethyl-1,4-phenylenediamine	187	2-Methoxyethanol
296	Dimethylamine	220	Methyl acrylate; Methyl propenoate
4	N,N-Dimethylaniline	240	Methyl chloroformate
255	2,6-Dimethylaniline; 2,6-Xylidine	226	Methyl isocyanate
86	Dimethylcarbonyl chloride	228	Methyl isothiocyanate
192	1,1-Dimethylethylamine; t-Butylamine	222	Methyl methacrylate; Methyl 2-methylpropenoate
26	1,1-Dimethylhydrazine	95	Methyl thiocyanate
135	2,4-Dimethylphenol; 2,4-Xylenol	145	4-Methyl-1,2-phenylenediamine; 3,4-Diaminotoluene
17	1,3-Dinitrobenzene	141	4-Methyl-1,3-phenylenediamine; 2,4-Diaminotoluene
18	1,2-Dinitrobenzene	107	2-Methyl-1,3-phenylenediamine; 2,6-Diaminotoluene
143	1,4-Dinitrobenzene	174	2-Methyl-1-propanol; Isobutyl alcohol
58	2,4-Dinitrotoluene	76	(1-Methyl-2,4-cyclopentadien-1-yl)manganese tricarbonyl
101	3,4-Dinitrotoluene	57	1-Methyl-2-(3-pyridyl)pyrrolidine; Nicotine
144	2,6-Dinitrotoluene	79	4-Methyl-2-pentanone; Methyl isobutyl ketone
189	1,4-Dioxane	150	2-Methyl-2-propanol; t-Butanol
199	Dipropylamine	239	2-Methyl-5-vinylpyridine; 5-Vinyl-2-picoline
80	Epichlorohydrin; 1-Chloro-2,3-epoxypropane; Glycidyl chloride	298	Methylamine
186	1,2-Epoxybutane	25	2-Methylaziridine
114	1,2-Ethanediol; Ethylene glycol	262	3-Methylbutyl acetate; Isoamyl acetate
188	2-Ethoxyethanol	96	1,2-Methylenedioxy-4-propenylbenzene; Isosafrole
152	Ethyl acetate	8	4-Allyl-1,2-(methylenedioxy)benzene; Safrole
221	Ethyl acrylate; Ethyl propenoate	198	Methylhydrazine
263	Ethyl methacrylate; Ethyl 2-methylpropenoate	266	3-Methylphenol; m-Cresol
84	Ethyl methanesulfonate	97	2-Methylphenol; o-Cresol
35	Ethyl thiocyanate	242	4-Methylphenol; p-Cresol
295	Ethylamine	123	2-Methylpropenenitrile; Methacrylonitrile
151	Ethylbenzene	13	2-Methylpropionic acid; Isobutyric acid
279	Ethylene oxide; Oxirane	122	2-Methylpropionitrile; Isobutyronitrile; Isopropyl cyanide
271	Ethylene; Ethene	209	2-Methylpyridine; 2-Picoline
115	Ethylenediamine; 1,2-Diaminoethane	217	Methyltrichlorosilane
46	Ethyltrichlorosilane	6	Naphthalene
33	Fluoranthene	273	Nitric oxide
16	Fluorene	142	4-Nitroaniline
183	2-Fluoroethanol	104	Nitrobenzene
283	Fluorotrichloromethane; CFC-11	50	4-Nitrobenzyl chloride; a-Chloro-4-nitrotoluene
39	Formic acid	203	Nitrocyclohexane
211	2-Furaldehyde; Furan-2-carboxaldehyde; Furfural	275	Nitrogen dioxide
78	Furan	48	3-Nitrophenol
177	Hexachloro-1,3-butadiene	139	2-Nitrophenol
59	Hexachlorobenzene	140	4-Nitrophenol
45	1,2,3,4,5,6-Hexachlorocyclohexane, g-isomer; Lindane	202	2-Nitropropane
178	Hexachlorocyclopentadiene	204	1-Nitrosopyrrolidine
63	Hexachloroethane	147	4-Nitrotoluene
112	Hexachloropropene	256	3-Nitrotoluene
277	Hydrogen chloride	257	2-Nitrotoluene
274	Hydrogen cyanide	23	Pentachlorobenzene
304	Hydrogen fluoride	170	Pentachloroethane
278	Hydrogen sulfide	27	Pentachlorophenol
137	Hydroquinone; 1,4-Dihydroxybenzene	225	Pentyl acetate; Amyl acetate
38	3-Hydroxypropanesulfonic acid sultone; 1,3-Propane sultone	191	Perchloro(methyl mercaptan); Trichloromethanesulfonyl chloride
81	2,2'-Iminodiethanol; Diethanolamine	32	Phenanthrene
109	Iodomethane; Methyl iodide	29	2-Phenylphenol; 2-Hydroxybiphenyl
237	Iron pentacarbonyl	30	Phenyltrichlorosilane
261	Isobutyl acetate; 2-Methylpropyl formate	300	Phosgene; Carbonyl dichloride
24	Isobutyraldehyde; 2-Methylpropanal	280	Phosphine
153	Isoprene; 2-Methyl-1,3-butadiene	108	Phosphorous oxychloride
28	4,4'-Isopropylidenediphenol; Bisphenol A	106	Phosphorous trichloride
128	Malononitrile; Methylene cyanide	190	Piperidine
214	Methacryloyl chloride; 2-Methylpropenoyl chloride		

<u>No.</u>	<u>Compound Description</u>
19	Piperylene, (E) + (Z); 1,3-Pentadiene, (E) + (Z)
207	2-Propanol; Isopropyl alcohol
299	2-Propanone; Acetone
264	Propionaldehyde; Propanal
61	Propionic acid; Propanoic acid
90	Propionic anhydride
120	Propionitrile; Ethyl cyanide
88	Propyl chloroformate
195	Propylamine
185	Propylene oxide; 1,2-Epoxypropane
269	Propylene; Propene
236	2-Propyn-1-ol; Propargyl alcohol
205	Pyridine
77	Quinoline; Benzo[b]pyridine
31	Resorcinol; 1,3-Dihydroxybenzene
133	Styrene oxide; Epoxyethylbenzene; Phenylloxirane
233	Styrene; Vinylbenzene
292	Sulfur dioxide
22	1,2,4,5-Tetrachlorobenzene
162	1,1,1,2-Tetrachloroethane
163	1,1,2,2-Tetrachloroethane
169	Tetrachloroethylene
71	Tetraethyltin
229	Tetrahydrofuran
131	Tetranitromethane
66	Toluene; Methylbenzene
247	o-Toluidine; 2-Methylaniline
246	p-Toluidine; 4-Methylaniline
105	Tolylene 2,4-diisocyanate; 4-Methyl-1,3-phenylene diisocyanate

<u>No.</u>	<u>Compound Description</u>
9	Tolylene 2,6-diisocyanate; 2-Methyl-1,3-phenylene diisocyanate
121	Trichloroacetyl chloride
7	1,2,4-Trichlorobenzene
159	1,1,2-Trichloroethane
160	1,1,1-Trichloroethane
270	Trichloroethylene
49	2,4,5-Trichlorophenol
51	2,3,6-Trichlorophenol
138	2,3,4-Trichlorophenol
245	2,3,5-Trichlorophenol
250	2,4,6-Trichlorophenol
286	1,1,2-Trichlorotrifluoroethane; CFC-113b
10	Triethoxysilane
194	Triethylamine
37	2,4,6-Trifluoro-1,3,5-triazine; Cyanuric fluoride
102	3-(Trifluoromethyl)aniline; 3-Aminobenzotrifluoride
116	3,5,5-Trimethyl-2-cyclohexen-1-one; Isophorone
291	Trimethylamine
253	2,4,6-Trimethylaniline
126	1,2,4-Trimethylbenzene
44	Urethane; Ethyl carbamate
219	Vinyl acetate
172	Vinyl bromide; Bromoethylene
301	Vinyl chloride; Chloroethylene
231	o-Xylene; 1,2-Dimethylbenzene
232	m-Xylene; 1,3-Dimethylbenzene
268	p-Xylene; 1,4-Dimethylbenzene
54	Xylenes, mixture of isomers