

## COMPONENT LIST FOR DX-4040 GAS-LIB-402 &amp; GAS-LIB-406

#	Compound name	Formula	CAS number	Maximum range	Unit
<b>Standard components</b>					
1	Water	H <sub>2</sub> O	7732-18-5	3	vol-%
2	Carbon dioxide	CO <sub>2</sub>	124-38-9	2000	ppm
3	Carbon monoxide	CO	630-08-0	200	ppm
4	Nitrous oxide	N <sub>2</sub> O	10024-97-2	100	ppm
5	Methane	CH <sub>4</sub>	74-82-8	100	ppm
<b>Additional components</b>					
<b>Hydrocarbons</b>					
6	Ethane	C <sub>2</sub> H <sub>6</sub>	74-84-0	200	ppm
7	Ethylene (Ethene)	C <sub>2</sub> H <sub>4</sub>	74-85-1	200	ppm
8	<i>n</i> -Propane	C <sub>3</sub> H <sub>8</sub>	74-98-6	100	ppm
9	<i>n</i> -Butane	C <sub>4</sub> H <sub>10</sub>	106-97-8	100	ppm
10	Isobutane (2-Methyl propane)	CH <sub>3</sub> CH(CH <sub>3</sub> )CH <sub>3</sub>	75-28-5	100	ppm
11	<i>n</i> -Pentane	C <sub>5</sub> H <sub>12</sub>	109-66-0	100	ppm
12	Isopentane (2-Methyl butane)	(CH <sub>3</sub> ) <sub>2</sub> CHC <sub>2</sub> H <sub>5</sub>	78-78-4	100	ppm
13	<i>n</i> -Hexane	C <sub>6</sub> H <sub>14</sub>	110-54-3	100	ppm
14	Isohexane (2-Methyl pentane)	(CH <sub>3</sub> ) <sub>2</sub> CHC <sub>3</sub> H <sub>7</sub>	107-83-5	50	ppm
15	<i>n</i> -Heptane	C <sub>7</sub> H <sub>16</sub>	142-82-5	50	ppm
16	<i>n</i> -Octane	C <sub>8</sub> H <sub>18</sub>	111-65-9	50	ppm
17	Isooctane (2,2,4-Trimethyl pentane)	(CH <sub>3</sub> ) <sub>3</sub> CCH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	540-84-1	50	ppm
18	<i>n</i> -Nonane	C <sub>9</sub> H <sub>20</sub>	111-84-2	50	ppm
19	<i>n</i> -Decane	C <sub>10</sub> H <sub>22</sub>	124-18-5	50	ppm
20	<i>n</i> -Undecane	C <sub>11</sub> H <sub>24</sub>	1120-21-4	50	ppm
21	Acetylene (Ethyne)	CH≡CH	74-86-2	200	ppm
22	<i>n</i> -Propene	C <sub>3</sub> H <sub>6</sub>	115-07-1	200	ppm
23	1-Butene	C <sub>4</sub> H <sub>8</sub>	106-98-9	100	ppm
24	1,3-Butadiene	CH <sub>2</sub> =CHCH=CH <sub>2</sub>	106-99-0	200	ppm
25	cis-2-Pentene	C <sub>2</sub> H <sub>5</sub> CH=CHCH <sub>3</sub>	627-20-3	200	ppm
26	trans-2-Pentene	C <sub>2</sub> H <sub>5</sub> CH=CHCH <sub>3</sub>	646-04-8	200	ppm
27	1-Hexene	CH <sub>2</sub> =CHC <sub>4</sub> H <sub>9</sub>	592-41-6	100	ppm
<b>Aromatic or cyclic hydrocarbons</b>					
28	Cyclopentane	C <sub>5</sub> H <sub>10</sub>	287-92-3	50	ppm
29	Cyclopentene	C <sub>5</sub> H <sub>8</sub>	142-29-0	100	ppm
30	Methylcyclopentane	C <sub>5</sub> H <sub>9</sub> CH <sub>3</sub>	96-37-7	50	ppm
31	Cyclohexane	C <sub>6</sub> H <sub>12</sub>	110-82-7	50	ppm
32	Methylcyclohexane	C <sub>6</sub> H <sub>11</sub> CH <sub>3</sub>	108-87-2	50	ppm
33	Ethylcyclohexane	C <sub>6</sub> H <sub>11</sub> C <sub>2</sub> H <sub>5</sub>	1678-91-7	50	ppm
34	Benzene	C <sub>6</sub> H <sub>6</sub>	71-43-2	50	ppm
35	Toluene	C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub>	108-88-3	200	ppm
36	Styrene	C <sub>6</sub> H <sub>5</sub> CH=CH <sub>2</sub>	100-42-5	200	ppm
37	Ethyl benzene	C <sub>6</sub> H <sub>5</sub> C <sub>2</sub> H <sub>5</sub>	100-41-4	100	ppm
38	<i>m</i> -Xylene	1,3-(CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	108-38-3	200	ppm
39	<i>o</i> -Xylene	1,2-(CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	95-47-6	200	ppm
40	<i>p</i> -Xylene	1,4-(CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	106-42-3	100	ppm
41	1,2,3-Trimethylbenzene	1,2,3-(CH <sub>3</sub> ) <sub>3</sub> C <sub>6</sub> H <sub>3</sub>	526-73-8	100	ppm
42	1,2,4-Trimethylbenzene	1,2,4-(CH <sub>3</sub> ) <sub>3</sub> C <sub>6</sub> H <sub>3</sub>	95-63-6	100	ppm
43	1,3,5-Trimethylbenzene	1,3,5-(CH <sub>3</sub> ) <sub>3</sub> C <sub>6</sub> H <sub>3</sub>	108-67-8	100	ppm
44	2-Ethyltoluene	2-CH <sub>3</sub> CH <sub>2</sub> -C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub>	611-14-3	100	ppm
45	3-Ethyltoluene	3-CH <sub>3</sub> CH <sub>2</sub> -C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub>	620-14-4	100	ppm

46	4-Ethyltoluene	4-CH <sub>3</sub> CH <sub>2</sub> -C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub>	622-96-8	100	ppm
47	Naphthalene	C <sub>10</sub> H <sub>8</sub>	91-20-3	50	ppm
48	Limonene	C <sub>10</sub> H <sub>16</sub>	138-86-3	100	ppm
49	α-Pinene	C <sub>10</sub> H <sub>16</sub>	80-56-8	50	ppm
50	β-Pinene	C <sub>10</sub> H <sub>16</sub>	127-91-3	50	ppm
51	Delta3-Carene	C <sub>10</sub> H <sub>16</sub>	13466-78-9	100	ppm
52	Isosafrole	C <sub>10</sub> H <sub>10</sub> O <sub>2</sub>	120-58-1	20	ppm
<b>Acids and derivatives</b>					
53	Formic acid	CH <sub>2</sub> O <sub>2</sub>	64-18-6	100	ppm
54	Acetic acid	CH <sub>3</sub> COOH	64-19-7	100	ppm
55	Propionic acid	CH <sub>3</sub> CH <sub>2</sub> COOH	79-09-4	100	ppm
56	Acrylic acid	CH <sub>2</sub> =CHCOOH	79-10-7	100	ppm
57	Methyl formate	HCOOCH <sub>3</sub>	107-31-3	100	ppm
58	Methyl acetate	CH <sub>3</sub> COOCH <sub>3</sub>	79-20-9	50	ppm
59	Ethyl acetate	CH <sub>3</sub> COOC <sub>2</sub> H <sub>5</sub>	141-78-6	50	ppm
60	Vinyl acetate	CH <sub>3</sub> COOCH=CH <sub>2</sub>	108-05-4	50	ppm
61	Isopropyl acetate	CH <sub>3</sub> COOCH(CH <sub>3</sub> ) <sub>2</sub>	108-21-4	50	ppm
62	Butyl acetate	CH <sub>3</sub> COO(CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub>	123-86-4	50	ppm
63	2-Methoxyethyl acetate (Methyl cellosolve acetate)	C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	110-49-6	50	ppm
64	2-Ethoxyethyl acetate (Cellosolve acetate)	C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>	111-15-9	50	ppm
65	1-Methoxy-2-propyl acetate	C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>	108-65-6	50	ppm
66	2-Butoxyethyl acetate	C <sub>8</sub> H <sub>16</sub> O <sub>3</sub>	112-07-2	50	ppm
67	Methyl acrylate	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	96-33-3	50	ppm
68	Ethyl acrylate	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	140-88-5	50	ppm
69	Ethyl lactate (Ethyl α-hydroxypropionate)	C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	97-64-3	50	ppm
70	Methyl methacrylate	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	80-62-6	50	ppm
71	Acetic acid anhydride	C <sub>4</sub> H <sub>6</sub> O <sub>3</sub>	108-24-7	50	ppm
72	Methacrylic acid	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	79-41-4	50	ppm
73	Butyric acid (butanoic acid)	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	107-92-6	50	ppm
74	Hexanoic acid (caproic acid)	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	142-62-1	50	ppm
75	Ethyl-3-ethoxypropionate	C <sub>7</sub> H <sub>15</sub> O <sub>3</sub>	763-69-9	50	ppm
76	Dimethyl carbonate (DCM; Methyl carbonate)	CH <sub>3</sub> OCOOCH <sub>3</sub>	616-38-6	50	ppm
<b>Aldehydes</b>					
77	Formaldehyde	HCOH	50-00-0	50	ppm
78	Acetaldehyde	CH <sub>3</sub> CHO	75-07-0	200	ppm
79	Propionaldehyde (Propanal)	C <sub>2</sub> H <sub>5</sub> CHO	123-38-6	200	ppm
80	Butyl aldehyde (Butanal)	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>2</sub> CHO	123-72-8	100	ppm
81	Acrolein (Acrylic aldehyde)	CH <sub>2</sub> =CHCHO	107-02-8	200	ppm
82	Furfural (2-Furaldehyde)	C <sub>5</sub> H <sub>4</sub> O <sub>2</sub>	98-01-1	200	ppm
83	o-Tolualdehyde	2-CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> CHO	529-20-4	100	ppm
84	Glutaraldehyde	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	111-30-8	50	ppm
85	Isovaleraldehyde	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> CHO	590-86-3	50	ppm
86	Hexanal (Hexanaldehyde)	C <sub>6</sub> H <sub>12</sub> O	66-25-1	50	ppm
87	Crotonaldehyde	C <sub>4</sub> H <sub>6</sub> O	4170-30-3	50	ppm
88	Benzaldehyde	C <sub>7</sub> H <sub>6</sub> O	100-52-7	50	ppm
<b>Ketones</b>					
89	Acetone	CH <sub>3</sub> COCH <sub>3</sub>	67-64-1	200	ppm
90	Methyl ethyl ketone (MEK)	CH <sub>3</sub> COC <sub>2</sub> H <sub>5</sub>	78-93-3	200	ppm
91	Diethyl ketone (DEK; 3-Pentanone)	C <sub>2</sub> H <sub>5</sub> COC <sub>2</sub> H <sub>5</sub>	96-22-0	100	ppm
92	Methyl isobutyl ketone (MIBK; 4-Methyl-2-pentanone)	CH <sub>3</sub> COCH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	108-10-1	100	ppm
93	Cyclohexanone (Cyclohexyl ketone)	C <sub>6</sub> H <sub>10</sub> O	108-94-1	100	ppm
94	2-Acetylfuran (2-Furyl methyl ketone)	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	1192-62-7	100	ppm
95	Diketene (4-methylideneoxetan-2-one, γ-methylenebutyrolactone)	C <sub>4</sub> H <sub>4</sub> O <sub>2</sub>	674-82-8	50	ppm

96	2,3-butanedione	$C_4H_6O_2$	431-03-8	100	ppm
97	Benzyl Methyl Ketone	$C_9H_{10}O$	103-79-7	50	ppm
98	(+)-Menthone	$C_{10}H_{18}O$	3391-87-5	50	ppm
99	(+)-Carvone	$C_{10}H_{14}O$	2244-16-8	50	ppm
<b>Alcohols</b>					
100	Methanol	$CH_3OH$	67-56-1	100	ppm
101	Ethanol	$C_2H_5OH$	64-17-5	200	ppm
102	1-Propanol	$C_3H_7OH$	71-23-8	100	ppm
103	Isopropanol (2-Propanol; Isopropyl alcohol)	$CH_3CHOHCH_3$	67-63-0	100	ppm
104	1-Butanol	$C_4H_9OH$	71-36-3	100	ppm
105	2-Butanol (sec-Butyl alcohol)	$CH_3CHOHCH_2CH_3$	78-92-2	100	ppm
106	Isobutanol (2-Methyl-1-propanol)	$(CH_3)_2CHCH_2OH$	78-83-1	100	ppm
107	tert-Butanol (1,1-Dimethyl ethanol)	$(CH_3)_3COH$	75-65-0	100	ppm
108	1-Pentanol (Amyl alcohol)	$C_5H_{11}OH$	71-41-0	100	ppm
109	Isopentanol (3-Methyl-1-butanol; Isoamyl alcohol)	$(CH_3)_2CHCH_2CH_2OH$	123-51-3	100	ppm
110	2-Methoxy ethanol (methyl cellosolve)	$CH_3-O-CH_2CH_2OH$	109-86-4	100	ppm
111	2-Ethoxyethanol (Cellosolve)	$CH_3CH_2-O-CH_2CH_2OH$	110-80-5	100	ppm
112	Phenol	$C_6H_5OH$	108-95-2	50	ppm
113	<i>m</i> -Cresol (3-Methyl phenol)	$3-CH_3C_6H_4OH$	108-39-4	50	ppm
114	1,2-Propanediol (propylene glycol)	$CH_3CH(OH)CH_2OH$	57-55-6	50	ppm
115	Furfuryl alcohol (2-Furan methanol)	$C_5H_6O_2$	98-00-0	50	ppm
116	(±)-Menthol (2-Isopropyl-5-methylcyclohexanol, Hexahydrothymol)	$C_{10}H_{20}O$	1490-04-6	50	ppm
<b>Ethers</b>					
117	Diethyl ether (Ethoxy ethane)	$C_2H_5OC_2H_5$	60-29-7	50	ppm
118	<i>tert</i> -Butyl methyl ether (MTBE; 2-Methoxy-2-methyl propane)	$CH_3OC(CH_3)_3$	1634-04-4	100	ppm
119	Methylene dimethyl ether (Methylal; Dimethoxy methane)	$CH_3OCH_2OCH_3$	109-87-5	100	ppm
120	2-Hydroxybenzoic acid methyl ester (Methyl salicylate)	$C_8H_8O_3$	119-36-8	50	ppm
<b>Epoxy compounds</b>					
121	Ethylene oxide (Oxirane; Epoxyethane)	$C_2H_4O$	75-21-8	50	ppm
122	Furan (Furfuran)	$C_4H_4O$	110-00-9	200	ppm
123	2,5-dimethylfuran	$C_6H_8O$	625-86-5	50	ppm
124	Tetrahydrofuran (THF; 1,4-Epoxybutane)	$C_4H_8O$	109-99-9	100	ppm
<b>Sulfur compounds</b>					
125	Carbon disulfide	$CS_2$	75-15-0	200	ppm
126	Carbonyl sulfide	$COS$	463-58-1	50	ppm
127	Methylmercaptan (Methanethiol)	$CH_3SH$	74-93-1	200	ppm
128	Ethylmercaptan (Ethanethiol)	$C_2H_5SH$	75-08-1	200	ppm
129	Dimethyl sulfide (DMS)	$(CH_3)_2S$	75-18-3	200	ppm
130	Dimethyl disulfide (DMDS)	$(CH_3)_2S_2$	624-92-0	200	ppm
131	Benzenethiol (Phenylthiol; Thiophenol)	$C_6H_6S$	108-98-5	50	ppm
<b>Nitrogen compounds</b>					
132	Hydrogen cyanide	$HCN$	74-90-8	50	ppm
133	Methylamine	$CH_3NH_2$	74-89-5	200	ppm
134	Dimethylamine	$(CH_3)_2NH$	124-40-3	200	ppm
135	Trimethylamine	$(CH_3)_3N$	75-50-3	100	ppm
136	Diethylamine	$(C_2H_5)_2NH$	109-89-7	100	ppm
137	Triethylamine	$(C_2H_5)_3N$	121-44-8	50	ppm
138	Isopropylamine (2-Propanamine)	$CH(CH_3)_2NH_2$	75-31-0	100	ppm
139	Acetonitrile	$CH_3CN$	75-05-8	200	ppm
140	Acrylonitrile	$CH_2=CHCN$	107-13-1	200	ppm
141	Pyridine	$C_5H_5N$	110-86-1	200	ppm
142	Aniline (Benzenamine)	$C_6H_5NH_2$	62-53-3	100	ppm
143	N,N-Dimethylformamide (DMF)	$HCON(CH_3)_2$	68-12-2	100	ppm

144	Nitromethane	CH <sub>3</sub> NO <sub>2</sub>	75-52-5	200	ppm
145	Nitrobenzene	C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>	98-95-3	200	ppm
146	Methyl isocyanate (Isocyanatomethane)	CH <sub>3</sub> NCO	624-83-9	50	ppm
147	Allyl cyanide (3-Butenenitrile)	C <sub>4</sub> H <sub>5</sub> N	109-75-1	50	ppm
148	Butyl isocyanate (1-Isocyanatobutane)	C <sub>5</sub> H <sub>9</sub> NO	111-36-4	50	ppm
149	Hexylamine	C <sub>6</sub> H <sub>15</sub> N	111-26-2	50	ppm
150	Dihexylamine	C <sub>12</sub> H <sub>27</sub> N	143-16-8	50	ppm
151	Cyclohexylamine	C <sub>6</sub> H <sub>11</sub> NH <sub>2</sub>	108-91-8	50	ppm
152	Ethylmorpholine	C <sub>6</sub> H <sub>13</sub> NO	100-74-3	50	ppm
153	Phenyl isocyanate (Carbanil; Phenylcarbimide)	C <sub>7</sub> H <sub>5</sub> NO	103-71-9	50	ppm
154	Propanenitrile	C <sub>3</sub> H <sub>5</sub> N	107-12-0	50	ppm
155	2,4-Toluene diisocyanate	C <sub>9</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	584-84-9	50	ppm

**Chloro compounds (see also freons)**

156	Methyl chloride (Freon 40)	CH <sub>3</sub> Cl	74-87-3	200	ppm
157	Dichloromethane (Methylene chloride; Freon 30)	CH <sub>2</sub> Cl <sub>2</sub>	75-09-2	200	ppm
158	Chloroform (Trichloromethane; Freon 20)	CHCl <sub>3</sub>	67-66-3	100	ppm
159	Ethyl chloride	C <sub>2</sub> H <sub>5</sub> Cl	75-00-3	200	ppm
160	1,1-Dichloroethane	CHCl <sub>2</sub> CH <sub>3</sub>	75-34-3	200	ppm
161	1,2-Dichloroethane (Freon 150)	CH <sub>2</sub> ClCH <sub>2</sub> Cl	107-06-2	200	ppm
162	1,1,1-Trichloroethane	CCl <sub>3</sub> CH <sub>3</sub>	71-55-6	100	ppm
163	Chloroethene (Vinyl chloride)	CHCl=CH <sub>2</sub>	75-01-4	200	ppm
164	1,1-Dichloroethene (Vinylidene chloride)	CCl <sub>2</sub> =CH <sub>2</sub>	75-35-4	100	ppm
165	cis-1,2-Dichloroethene	CHCl=CHCl	156-59-2	200	ppm
166	Trichloroethylene (Trichlorethene)	CHCl=CCl <sub>2</sub>	79-01-6	100	ppm
167	Tetrachloroethylene	CCl <sub>2</sub> =CCl <sub>2</sub>	127-18-4	50	ppm
168	Chlorobenzene (Phenyl chloride)	C <sub>6</sub> H <sub>5</sub> Cl	108-90-7	200	ppm
169	Allylchloride (3-chloro-1-propene)	C <sub>3</sub> H <sub>5</sub> Cl	107-05-1	50	ppm
170	Chlorobenzene (Phenyl chloride)	C <sub>6</sub> H <sub>5</sub> Cl	108-90-7	200	ppm
171	Phosgene	COCl <sub>2</sub>	75-44-5	50	ppm
172	α-Epichlorohydrin (Chloromethyloxirane)	C <sub>3</sub> H <sub>5</sub> ClO	106-89-8	200	ppm
173	Chloromethyl chloroformate	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> O <sub>2</sub>	22128-62-7	20	ppm
174	Diphosgene	C <sub>2</sub> Cl <sub>4</sub> O <sub>2</sub>	503-38-8	20	ppm
175	Butyl chloroformate (Butyl chlorocarbonate)	C <sub>5</sub> H <sub>9</sub> ClO <sub>2</sub>	592-34-7	50	ppm
176	Chloracetyl chloride	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> O	79-04-9	50	ppm
177	Carbonochloridic acid, ethyl ester (Cathyl chloride; Ethyl chloroformate)	C <sub>3</sub> H <sub>5</sub> ClO <sub>2</sub>	541-41-3	50	ppm
178	n-Propylchloroformate (Propyl chlorocarbonate)	C <sub>4</sub> H <sub>7</sub> ClO <sub>2</sub>	109-61-5	50	ppm
179	Methyl chloroacetate	C <sub>3</sub> H <sub>5</sub> ClO <sub>2</sub>	96-34-4	50	ppm
180	Methyl chloroformate (Methyl chlorocarbonate)	C <sub>2</sub> H <sub>3</sub> ClO <sub>2</sub>	79-22-1	50	ppm
181	Dimethylcarbonyl chloride (Dimethyl carbamic chloride)	C <sub>3</sub> H <sub>6</sub> ClNO	79-44-7	50	ppm
182	3-Chloro-Propanoyl chloride (3-Chloropropionic acid chloride)	C <sub>3</sub> H <sub>4</sub> Cl <sub>2</sub> O	625-36-5	50	ppm

**Fluoro compounds (see also freons)**

183	Desflurane (1,2,2,2-tetrafluoroethyl difluoromethyl ether)	CF <sub>3</sub> CHFOCHF <sub>2</sub>	57041-67-5	50	ppm
184	Sevoflurane [2,2,2-trifluoro-1-(trifluoromethyl) ethyl ether]	CF <sub>3</sub> CH(CF <sub>3</sub> )OCH <sub>2</sub> F	28523-86-6	50	ppm
185	Fluorobenzene	C <sub>6</sub> H <sub>5</sub> F	462-06-6	50	ppm

**Freons**

186	Freon 11 (Trichloromonofluoromethane)	CCl <sub>3</sub> F	75-69-4	100	ppm
187	Freon 12 (Dichlorodifluoromethane)	CCl <sub>2</sub> F <sub>2</sub>	75-71-8	50	ppm
188	Freon 13B1 (Bromotrifluoromethane)	CBrF <sub>3</sub>	75-63-8	50	ppm
189	Freon 14 (Carbon tetrafluoride)	CF <sub>4</sub>	75-73-0	50	ppm
190	Freon 22 (Chlorodifluoromethane)	CHClF <sub>2</sub>	75-45-6	50	ppm
191	Freon 23 (Trifluoromethane)	CHF <sub>3</sub>	75-46-7	50	ppm
192	Freon 113 (1,1,2-Trichloro-1,2,2-trifluoroethane)	CCl <sub>2</sub> FCClF <sub>2</sub>	76-13-1	50	ppm
193	Freon 114 (1,2-Dichloro-1,1,2,2-tetrafluoroethane)	CHClF <sub>2</sub> CClF <sub>2</sub>	76-14-2	50	ppm

194	Freon 114 B2 (1,2-dibromo-1,1,2,2-tetrafluoroethane)	$C_2Br_2F_4$	124-73-2	50	ppm
195	Freon 115 (Chloropentafluoroethane)	$CClF_2CF_3$	76-15-3	50	ppm
196	Freon 116 (Hexafluoroethane)	$C_2F_6$	76-16-4	50	ppm
197	Freon 123 (1,1-Dichloro 2,2,2-trifluoroethane)	$CHCl_2CF_3$	306-83-2	50	ppm
198	Freon 124 (1-Chloro-1,2,2,2-tetrafluoroethane)	$CHClCF_3$	2837-89-0	50	ppm
199	Freon 125 (Pentafluoroethane)	$CHF_2CF_3$	354-33-6	50	ppm
200	Freon 133a (1-Chloro-2,2,2-trifluoroethane)	$CH_2ClCF_3$	75-88-7	50	ppm
201	Freon 134a (1,1,1,2-Tetrafluoroethane)	$CF_3CH_2F$	811-97-2	50	ppm
202	Freon 142b (1-Chloro-1,1-difluoroethane)	$CClF_2CH_3$	75-68-3	50	ppm
203	Freon 143a (1,1,1-Trifluoroethane)	$CF_3CH_3$	420-46-2	50	ppm
204	Freon 152a (Difluoroethane; Ethylidene Difluoride)	$C_2H_4F_2$	75-37-6	50	ppm
205	Freon 218 (Perfluoropropane)	$C_3F_8$	76-19-7	50	ppm
<b>Other organic compounds</b>					
206	Methyl bromide	$CH_3Br$	74-83-9	200	ppm
207	Ethylene dibromide	$BrCH_2CH_2Br$	106-93-4	50	ppm
208	Chloropicrine (Trichloronitromethane)	$CCl_3NO_2$	76-06-2	20	ppm
209	Isoflurane (1-Chloro-2,2,2-trifluoroethyl difluoromethyl ether)	$CF_3CHClOCHF_2$	26675-46-7	50	ppm
210	Trimethoxysilane	$C_3H_{10}OSi$	2487-90-3	50	ppm
211	Diisopropyl methanephosphonate (DIMP)	$C_7H_{17}O_3P$	1445-75-6	20	ppm
212	Bromoform (Tribromomethane)	$CHBr_3$	75-25-2	100	ppm
213	Tetramethyl silane	$C_4H_{12}Si$	75-76-3	100	ppm
214	Tetramethyl orthosilicate (Tetramethoxysilane)	$Si(OCH_3)_4$	681-84-5	50	ppm
215	Methyldichlorosilane	$CH_3SiHCl_2$	75-54-7	50	ppm
216	Methylvinylchlorosilane	$C_3H_6Cl_2Si$	124-70-9	50	ppm
217	Ethylmethyldichlorosilane	$C_3H_8Cl_2Si$	4525-44-4	50	ppm
218	Dimethylvinylchlorosilane	$C_4H_9ClSi$	1719-58-0	50	ppm
219	Methyltrichlorosilane	$CH_3Cl_3Si$	75-79-6	50	ppm
220	Dimethyldichlorosilane	$C_2H_6Cl_2Si$	75-78-5	50	ppm
221	Trimethylchlorosilane	$C_3H_9ClSi$	75-77-4	50	ppm
222	Propyltrichlorosilane	$CH_3(CH_2)_2SiCl_3$	141-57-1	50	ppm
223	Phenyltrichlorosilane	$C_6H_5Cl_3Si$	98-13-5	50	ppm
224	Phenylmethyldichlorosilane	$C_7H_8Cl_2Si$	149-74-6	50	ppm
225	Vinyltrichlorosilane	$C_2H_3Cl_3Si$	75-94-5	50	ppm
226	Dimethyldimethoxysilane	$C_4H_{12}O_2Si$	1112-39-6	50	ppm
227	Dimethyldiethoxysilane	$C_6H_{16}O_2Si$	78-62-6	50	ppm
<b>Inorganic compounds</b>					
228	Ammonia	$NH_3$	7664-41-7	50	ppm
229	Arsine	$AsH_3$	7784-42-1	50	ppm
230	Diborane	$B_2H_6$	19287-45-7	100	ppm
231	Dichlorosilane	$SiH_2Cl_2$	4109-96-0	100	ppm
232	Hydrogen bromide	$HBr$	10035-10-6	200	ppm
233	Hydrogen chloride	$HCl$	7647-01-0	50	ppm
234	Hydrogen fluoride	$HF$	7664-39-3	50	ppm
235	Nitrogen dioxide	$NO_2$	10102-44-0	50	ppm
236	Nitrogen monoxide (Nitric oxide)	$NO$	10102-43-9	200	ppm
237	Phosphine	$PH_3$	7803-51-2	50	ppm
238	Silicon tetrachloride	$SiCl_4$	10026-04-7	200	ppm
239	Silicon tetrafluoride	$SiF_4$	7783-61-1	50	ppm
240	Silicon tetrahydride (Silane)	$SiH_4$	7803-62-5	50	ppm
241	Sulfur dioxide	$SO_2$	7446-09-5	100	ppm
242	Sulfur hexafluoride	$SF_6$	2551-62-4	50	ppm
243	Sulfuryl fluoride	$SO_2F_2$	2699-79-8	50	ppm
244	Trichlorosilane	$SiHCl_3$	10025-78-2	100	ppm