

24 August 2005

GasAlertMicro 5 PID VOC 感應頭可偵測 289 種化學物質之列表

NO.	Gas Name(English) 氣體名稱 (英文)	Gas Name (Chinese) 氣體名稱 (中文)	Formula 化學公式	Ionization Potential 離子電位	Detectable by 10.6 eV Lamp 是否可由 10.6eV 燈偵測到
1.	Acetaldehyde	乙醛	C2H4O	10.23	Yes
2.	Acetic Anhydride	乙酸酐	C4H6O3	10.14	Yes
3.	Acetone	丙酮	C3H6O	9.69	Yes
4.	Acrolien	丙烯醛	C3H4O	10.22	Yes
5.	Acrylic Acid	丙烯酸	C3H4O2	10.6	Yes
6.	Allyl alcohol	丙烯醇	C3H6O	9.63	Yes
7.	Allyl chloride	氯丙烯	C3H5Cl	10.05	Yes
8.	Ammonia	氨	H3N	10.18	Yes
9.	Ammonium chloride	氯化銨	NH4Cl	10.1	Yes
10.	Amyl acetate, n-	乙酸戊酯	C7H14O2	9.9	Yes
11.	Amyl alcohol	異戊醇	C5H12O	10	Yes
12.	Aniline	苯胺	C6H7N	7.7	Yes
13.	Anisole	苯甲醚	C7H8O	8.21	Yes
14.	Arsine	砷化氫	AsH3	9.89	Yes
15.	Asphalt, petroleum fumes	瀝青煙氣		9	Yes
16.	Benzaldehyde	苯甲醛	C7H6O	9.49	Yes
17.	Benzene	苯	C6H6	9.24	Yes
18.	Benzenethiol	苯硫	C6H5SH	8.32	Yes
19.	Benzonitrile	苯甲	C7H5N	9.62	Yes
20.	Benzyl alcohol	苯甲醇	C7H8O	8.26	Yes
21.	Benzyl chloride	氯甲苯	C7H7Cl	9.14	Yes
22.	Benzyl formate	甲酸苯甲酯	C8H8O2	9.32	Yes
23.	Biphenyl	聯苯	C12H10	8.23	Yes
24.	Bis(2,3-epoxypropyl) ether	二環氧丙醚	C6H10O3	9	Yes
25.	Bromine	溴	Br2	10.55	Yes
26.	Bromobenzene	溴苯	C6H5Br	8.98	Yes
27.	Bromochloromethane	溴氯甲烷	CH2ClBr	10.77	Yes
28.	Bromoethane	溴乙烷	C2H5Br	10.29	Yes
29.	Bromoethyl methyl ether, 2-	2-溴乙甲醚	C3H7OBr	10	Yes
30.	Bromoform	溴仿	CHBr3	10.48	Yes
31.	Bromopropane, 1-	1-溴丙烷	C3H7Br	10.18	Yes
32.	Butadiene	丁二烯	C4H6	9.07	Yes

33.	Butadiene diepoxide, 1,3-	雙環氧丁烷	C4H6O2	10	Yes
34.	Butane, n-	丁烷	C4H10	10.63	Yes
35.	Butanol, 1-	異丁醇	C4H10O	10.04	Yes
36.	Buten-3-ol, 1-	1-丁烯醇	C4H8O		Yes
37.	Butene, 1-	1-丁烯	C4H8	9.58	Yes
38.	Butoxyethanol, 2-	2-乙二醇單丁醚	C6H14O2	10	Yes
39.	Butyl acetate, n-	乙酸正丁酯	C6H12O2	10	Yes
40.	Butyl acrylate, n-	丙烯酸正丁酯	C7H12O2	9	Yes
41.	Butyl lactate	乳酸丁酯	C7H14O3	9	Yes
42.	Butyl mercaptan	正丁硫醇	C4H10S	9.15	Yes
43.	Butylamine, 2-	2-丁胺	C4H11N		Yes
44.	Butylamine, n-	正丁胺	C4H11N	8.71	Yes
45.	Camphene	烯(樟腦精)	C10H16		Yes
46.	Carbon disulfide	二硫化碳	CS2	10.08	Yes
47.	Carbon tetrabromide	四溴甲烷	CBr4	10.31	Yes
48.	Chlorine dioxide	二氧化氯	ClO2	10.36	Yes
49.	Chloro-1,3-butadiene, 2-	2-氯-1,3-丁二烯	C4H5Cl	8.79	Yes
50.	Chlorobenzene	氯苯	C6H5Cl	9.07	Yes
51.	Chloroethyl methyl ether, 2-	2-氯乙基甲醚	C3H7ClO	9	Yes
52.	Chlorotoluene, o-	鄰一氯甲苯	C7H7Cl	8.83	Yes
53.	Chlorotoluene, p-	對氯甲苯	C7H7Cl	8.69	Yes
54.	Chlorotrifluoroethylene	氯三氟乙烯	C2ClF3	9.81	Yes
55.	Cresol, m-	間甲酚	C7H8O	8.97	Yes
56.	Cresol, o-	鄰甲酚	C7H8O	8.97	Yes
57.	Cresol, p-	對甲酚	C7H8O	8.97	Yes
58.	Crotonaldehyde	丁烯醛	C4H6O	9.73	Yes
59.	Cumene	丙苯	C9H12	8.75	Yes
60.	Cyanamide	氰胺	CH2N2	10.65	Yes
61.	Cyclohexane	環己烯	C6H12	9.86	Yes
62.	Cyclohexanol	環己醇	C6H12O	10	Yes
63.	Cyclohexanone	環己酮	C6H10O	9.4	Yes
64.	Cyclohexene	環己烯	C6H10	8.95	Yes
65.	Cyclohexylamine	環己胺	C6H13N	8.37	Yes
66.	Cyclopentane	環戊烷	C5H10	10.52	Yes
67.	Decane, n-	癸烷	C10H22	9.65	Yes
68.	Diacetone alcohol	雙丙酮醇	C6H12O2		Yes
69.	Dibromochloromethane	二溴氯甲烷	CHBr2Cl	10.59	Yes
70.	Dibromoethane 1,2-	1,2-二溴乙烷	C2H4Br2	9.45	Yes
71.	Dichloro-1-propene, 2,3-	2,3-二氯丙烯	C3H4Cl2	10	Yes
72.	Dichloroacetylene	二氯乙炔	C2Cl2	9.9	Yes

73.	Dichlorobenzene o-	聯二氯苯	C6H4Cl2	9.06	Yes
74.	Dichloroethene, 1,1-	偏二氯乙烯	C2H2Cl2	10	Yes
75.	Dichloroethene, cis-1,2-	c-1,2-二氯乙烯	C2H2Cl2	9.66	Yes
76.	Dichloroethene, trans-1,2-	t-1,2-二氯乙烯	C2H2Cl2	9.65	Yes
77.	Dichloroethylene 1,2-	1,2-二氯乙烯	C2H2Cl2	9.65	Yes
78.	Dicyclopentadiene	二環戊二烯	C10H12	9	Yes
79.	Diesel Fuel	柴油		9	Yes
80.	Diethyl ether	乙醚	C4H10O	9.53	Yes
81.	Diethyl sulphide	乙硫醚	C4H10S	8.43	Yes
82.	Diethylamine	二乙胺	C4H11N	8.01	Yes
83.	Diethylaminoethanol, 2-	2-二乙氨基乙醇	C6H15ON		Yes
84.	Diethylaminopropylamine, 3-	3-二乙氨基丙酮	C7H18N2	9	Yes
85.	Dihydrogen selenide	硒化二氫	H2Se	9.88	Yes
86.	Diisobutylene	二異丁烯	C8H16		Yes
87.	Diisopropyl ether	異丙醚	C6H14O	9.2	Yes
88.	Diisopropylamine	二異丙胺	C6H15N	7.73	Yes
89.	Diketene	二乙烯酮	C4H4O2	9.6	Yes
90.	Dimethoxymethane	二甲氧基甲烷	C3H8O2	9.7	Yes
91.	Dimethyl disulphide	二甲基二硫醚	C2H6S2	7.4	Yes
92.	Dimethyl ether	甲醚	C2H6O	10.03	Yes
93.	Dimethyl formamide, N,N-		C3H7NO	9.13	Yes
94.	Dimethyl phthalate	酸二甲酯	C10H10O4	9.64	Yes
95.	Dimethyl sulphide	甲硫醚	C2H6S	8.69	Yes
96.	Dimethylacetamide N,N-	二甲基乙胺	C4H9NO	8.81	Yes
97.	Dimethylamine	二甲胺	C2H7N	8.24	Yes
98.	Dimethylaminoethanol	二甲基胺基乙醇	C4H11NO	9	Yes
99.	Dimethylaniline, NN-	二甲基苯胺	C8H11N	9	Yes
100.	Dimethylbutyl acetate	乙酸甲基戊酯	C8H16O2	7.74	Yes
101.	Dimethylethylamine, NN-	叔丁胺	C4H11N	9	Yes
102.	Dimethylformamide	二甲基甲胺	C3H7NO	9.13	Yes
103.	Dimethylheptan-4-one, 2,6-		C9H18O	9.04	Yes
104.	Dimethylhydrazine, 1,1-	1,1-二甲基	C2H8N2	8.05	Yes
105.	Dinitrobenzene, m-	間二硝基苯	C6H4N2O4	10.43	Yes
106.	Dinitrobenzene, p-	對二硝基苯	C6H4N2O4	10.5	Yes
107.	Dinonyl phthalate	聯苯二甲酸二壬酯	C26H42O4	9.19	Yes
108.	Dioxane 1,2-	二惡烷	C4H8O2		Yes
109.	Dioxane 1,4-	二惡烷	C4H8O2	9.13	Yes
110.	Diphenyl ether	二苯醚	C12H10O	8.09	Yes
111.	Diphenylamine	二苯胺	C12H11N	7.4	Yes
112.	Divinylbenzene	二乙烯苯	C10H10	9	Yes

113. Epichlorohydrin	環氧氯丙烷	C3H5ClO	10.2	Yes
114. Epoxypropyl isopropyl ether, 2,3-	異丙基縮水甘油醚	C6H12O2		Yes
115. Ethanol	乙醇	C2H6O	10.43	Yes
116. Ethanolamine	乙醇胺	C2H7NO	10.47	Yes
117. Ethoxyethanol, 2-	乙二醇乙醚	C4H10O2	9.6	Yes
118. Ethyl (S)-(-)-lactate	乳酸乙酯	C5H10O3	10	Yes
119. Ethyl acetate	乙酸乙酯	C4H8O2	10.01	Yes
120. Ethyl acrylate	丙烯酸乙酯	C5H8O2	10.3	Yes
121. Ethyl amine	乙胺	C2H7N	8.86	Yes
122. Ethyl benzene	乙基苯	C8H10	8.76	Yes
123. Ethyl butyrate	丁酸乙酯	C6H12O2		Yes
124. Ethyl chloroformate	氯甲酸乙酯	C3H5O2Cl	10.64	Yes
125. Ethyl formate	甲酸乙酯	C3H6O2	10.61	Yes
126. Ethyl hexyl acrylate, 2-	丙烯酸異辛酯	C11H20O2	9	Yes
127. Ethyl mercaptan	乙硫醇	C2H6S	9.29	Yes
128. Ethylene	乙烯	C2H4	10.51	Yes
129. Ethylene glycol	乙二醇	C2H6O2	10.16	Yes
130. Ethylene oxide	環氧乙烷	C2H4O	10.56	Yes
131. Ferrocene	二茂鐵	C10H10Fe	6.88	Yes
132. Formamide	甲胺	CH3ON	10.2	Yes
133. Furfural	糠醛	C5H4O2	9.21	Yes
134. Furfuryl alcohol	糠醇	C5H6O2	9.5	Yes
135. Gasoline vapors	汽油蒸氣			Yes
136. Gasoline vapors 92 octane	92汽油蒸氣			Yes
137. Glutaraldehyde	戊二醛	C5H8O2	9	Yes
138. Heptan-2-one	樟腦	C7H14O	9.33	Yes
139. Heptan-3-one	乙基丁基酮	C7H14O	9.02	Yes
140. Heptane n-	正庚烷	C7H16	9.92	Yes
141. Hexamethyldisilazane, 1,1,1,3,3,3-	6甲基二矽氫烷	C6H19Si2	8.6	Yes
142. Hexan-1-ol	正己醇	C6H14O	9.89	Yes
143. Hexan-2-one	己酮	C6H12O	9.34	Yes
144. Hexane n-	正己烷	C6H14	10.13	Yes
145. Hexene, 1-	1-己烯	C6H12	9.44	Yes
146. Hydrazine	聯胺	H4N2	8.93	Yes
147. Hydrogen peroxide	過氧化氫	H2O2	10.54	Yes
148. Hydrogen sulfide	硫化氫	H2S	10.46	Yes
149. Hydroquinone	對本二酚	C6H6O2	7.94	Yes
150. Hydroxypropyl acrylate 2-	經丙基丙烯酸酯	C6H10O3	9	Yes
151. Iminodi(ethylamine) 2,2-	亞胺基二乙基胺	C4H13N3	9	Yes
152. Iminodiethanol 2,2'-	二乙醇胺	C4H11NO2	9	Yes

153.	Indene		C9H8	8.81	Yes
154.	Iodine	碘	I2	9.31	Yes
155.	iodoform	三碘甲烷	CHI3	9.25	Yes
156.	iodomethane	碘甲烷	CH3I	9.54	Yes
157.	Isoamyl acetate	乙酸異戊酯	C7H14O2	10	Yes
158.	isobutane	異丁烷	C4H10	10.57	Yes
159.	isobutanol	異丁醇	C4H10O	10.12	Yes
160.	isobutyl acetate	乙酸異丁酯	C6H12O2	9.9	Yes
161.	isobutyl acrylate	丙烯酸異丁脂	C7H12O2		Yes
162.	Isobutylene	異丁烯	C4H8	9.24	Yes
163.	isobutyraldehyde	異丁醛	C4H8O	9	Yes
164.	Isooctane (Naphtha)	異辛烷	C8H18	9.86	Yes
165.	Isooctyl alcohol	異辛醇	C8H18O	9	Yes
166.	Isopentane	異戊烷	C5H12	10.32	Yes
167.	Isophorone	異佛樂酮	C9H14O	9.07	Yes
168.	Isoprene	異戊間二烯	C5H8	8.85	Yes
169.	Isopropanol	異丙醇	C3H8O	10.17	Yes
170.	Isopropyl acetate	乙酸異丙醇	C5H10O2	9.99	Yes
171.	Isopropyl chloroformate	氯甲酸異丙酯	C4H7O2Cl		Yes
172.	Jet Fuel JP-4	航空煤油JP-4		9	Yes
173.	Jet Fuel JP-5	航空煤油JP-5		9	Yes
174.	Jet Fuel JP-8	航空煤油JP-8		9	Yes
175.	Kerosene	火油		9	Yes
176.	Ketene	乙烯酮	C2H2O	9.617	Yes
177.	Maleic anhydride	丁烯二酐	C4H2O3	9.9	Yes
178.	Mesitylene	三甲基苯	C9H12	8.41	Yes
179.	Methacrylic acid	2-丁烯	C4H6O2	10.15	Yes
180.	Methacrylonitrile	甲基丙烯	C4H5N	10.34	Yes
181.	Methanol		CH4O	10.85	No
182.	Methoxyethanol, 2-	乙二醇甲醚	C3H8O2	9.6	Yes
183.	Methoxyethoxyethanol, 2-	2-甲氧乙氧基乙醇	C5H12O3	10	Yes
184.	Methoxymethylethoxy-2-propanol	2-甲氧甲氧基丙醇	C6H14O3	9	Yes
185.	Methoxypropan-2-ol	甲氧丙醇	C4H10O2	9	Yes
186.	Methoxypropyl acetate	乙酸甲基丙酯	C6H12O3	9	Yes
187.	Methyl acetate	乙酸甲酯	C3H6O2	10.27	Yes
188.	Methyl acrylate	丙烯酸甲酯	C4H6O2	9.9	Yes
189.	Methyl bromide	溴甲烷	CH3Br	10.54	Yes
190.	Methyl ethyl ketone	甲基丙酮	C4H8O	9.51	Yes
191.	Methyl isobutyl ketone (MIBK)	異己酮	C6H12O	9.3	Yes
192.	Methyl isothiocyanate	硫氰酸甲酯	C2H3NS	9.25	Yes

193. Methyl mercaptan	甲硫醇	CH4S	9.44	Yes
194. Methyl methacrylate	異丁烯酸甲酯	C5H8O2	9.7	Yes
195. 4-Methyl pentan-2-one	4-甲基-2-戊酮	C6H12O	9.3	Yes
196. Methyl propyl ketone	甲基丙基酮	C5H10O	9.39	Yes
197. Methyl salicylate	水楊酸甲酯	C8H8O3	9	Yes
198. Methyl sulphide	硫化甲酯	C2H6S	8.69	Yes
199. Methyl t-butyl ether	甲基叔丁基醚	C5H12O	9.24	Yes
200. Methyl-2-propen-1-ol, 2-	甲基丙烯醛	C4H8O		Yes
201. Methyl-2-pyrrolidinone, N-	N-甲基 吡咯酮	C5H9NO	9.17	Yes
202. Methyl-5-hepten-2-one, 6-	5-甲基-2-辛酮	C8H14O		Yes
203. Methylamine	甲胺	CH5N	8.97	Yes
204. Methylbutan-1-ol, 3-	異戊醇	C5H12O	9.8	Yes
205. Methylcyclohexane	甲基環己烷	C7H14	9.85	Yes
206. Methylcyclohexanol, 4-	甲基環己醇	C7H14O	9.8	Yes
207. Methylcyclohexanone 2-	甲基環己酮	C7H12O	9	Yes
208. Methylheptan-3-one, 5-	5-甲基-3-辛酮	C8H16O		Yes
209. Methylhexan-2-one, 5-	5-甲基-2-己酮	C7H14O	9.28	Yes
210. Methylhydrazine	甲基聯胺	CH6N2	8	Yes
211. Methyl-N-2,4, 6-tetranitroaniline, N-		C7H5N5O8	9	Yes
212. Methylpent-3-en-2-one, 4-	4-甲基-3-戊酮	C6H10O	9	Yes
213. Methylpentan-2-ol, 4-	4-甲基-2-戊醇	C6H14O	9	Yes
214. Methylpentane-2,4-diol, 2-	2-甲基戊乙醇	C6H14O2	9	Yes
215. Methylpropan-2-ol, 2-	異丁醇	C4H10O	9.7	Yes
216. Methylstyrene	甲基苯乙烯	C9H10	8.2	Yes
217. Mineral spirits	礦物酒精		9	Yes
218. Naphtha (iso-octane)	輕油(異辛烷)	C8H18	9.86	Yes
219. Naphthalene		C10H8	8.14	Yes
220. Nitric oxide	一氧化氮	NO	9.27	Yes
221. Nitroaniline 4-	4-硝基苯胺	C6H6N2O2	8.85	Yes
222. Nitrobenzene	硝基苯	C6H5NO2	9.92	Yes
223. Nitrogen dioxide	二氧化氮	NO2	9.75	Yes
224. Nitrogen trichloride	三氯化氮	NCI3	10.22	Yes
225. Nonane, n-	壬烷	C9H20	9.72	Yes
226. Octane, n-	正辛烷	C8H18	9.8	Yes
227. Octene, 1-	1-辛烯	C8H16		Yes
228. Oxydiethanol 2,2-		C4H10O3		Yes
229. Pentan-2-one	2-戊酮	C5H10O	9.38	Yes
230. Pentan-3-one	3-戊酮	C5H10O	9.31	Yes
231. Pentandione, 2,4-	戊二醛	C5H8O2	8.85	Yes
232. Pentane, n-	正戊烷	C5H12	10.35	Yes

233.	Phenol	苯酚	C6H6O	8.51	Yes
234.	Phenyl propene, 2-	丙烯苯	C9H10	8.35	Yes
235.	Phenyl-2,3-epoxypropyl ether	苯環氧丙基醚	C9H10O2	9	Yes
236.	Phenylenediamine, p-	對本二胺	C6H8N2	6.89	Yes
237.	Phosphine	磷化氫	PH3	9.96	Yes
238.	Picoline, 3-	3-甲基 吡	C6H7N	9.04	Yes
239.	Picric acid	三硝基苯酚	C6H3N3O7	9	Yes
240.	Pinene, alpha	α 萜烯	C10H16	8.07	Yes
241.	Pinene, beta	β 萜烯	C10H16	8	Yes
242.	Piperidine	吡	C5H11N	9	Yes
243.	Piperylene	間戊二烯	C5H8	8.6	Yes
244.	Prop-2-yn-1-ol	炔丙醇	C3H4O	9	Yes
245.	Propan-1-ol	1-丙醇	C3H8O	10.2	Yes
246.	Propane-1,2-diol, total	氧丙醇	C3H8O2		Yes
247.	Propene	丙烯	C3H6	9.73	Yes
248.	Propionaldehyde	丙醛	C3H6O	9.95	Yes
249.	Propionic acid	丙酸	C3H6O2	10.24	Yes
250.	Propyl acetate, n-	乙酸正丙酯	C5H10O2	10.04	Yes
251.	Propylene oxide	環氧丙烷	C3H6O	10.22	Yes
252.	Propyleneimine	丙烯亞胺	C3H7N	9	Yes
253.	Pyridine	嘍啶	C5H5N	9.25	Yes
254.	Pyridylamine 2-	2-胺基 吡	C5H6N2	9	Yes
255.	Pyrocatechol	焦兒茶酚	C6H6O2	9	Yes
256.	Resorcinol	間苯二酚	C6H6O2	8.63	Yes
257.	Styrene	苯乙烯	C8H8	8.4	Yes
258.	Terpinolene	異松油烯	C10H16		Yes
259.	Tert-butanol	三級丁醇	C4H10O	9.9	Yes
260.	Tetrabromoethane, 1,1,2,2-	四溴甲烷	C2H2Br4		Yes
261.	Tetracarbonylnickel	四碳化鎳	NiC4O4	8.28	Yes
262.	Tetrachloroethylene	四氯乙炔	C2Cl4	9.326	Yes
263.	Tetrachloronaphthalenes, all isomers	四氯	C10H4Cl4	9	Yes
264.	Tetraethyl orthosilicate	正矽酸乙酯	C8H20O4Si	9.8	Yes
265.	Tetrafluoroethylene	四氟乙炔	C2F4	10.12	Yes
266.	Tetrahydrofuran	四氫 喃	C4H8O	9.41	Yes
267.	Therminol	聯苯	C7H8		Yes
268.	Toluene	甲苯	C7H8	8.82	Yes
269.	Toluene-2,4-diisocyanate	甲苯-2, 4-二異氰酸酯	C9H6N2O2	8.82	Yes
270.	Tributylamine	三正丁胺	C12H27N		Yes
271.	Trichlorobenzene 1,2,4-	1,2,4-三氯苯	C6H3Cl3	9.04	Yes

272. Trichloroethylene	三氯乙烯	C2HCl3	9.45	Yes
273. Triethylamine	三乙胺	C6H15N	7.5	Yes
274. Trimethylamine	三甲胺	C3H9N	7.82	Yes
275. Trimethylbenzene mixtures	三甲基苯混合物	C9H12	8.41	Yes
276. Trimethylbenzene, 1,3,5-	1,3,5-三甲基苯	C9H12	8.39	Yes
277. Trinitrotoluene 2,4,6-	2,4,6-三硝基甲苯	C7H5N3O6	10.59	Yes
278. Turpentine	松節油	C10H16	8	Yes
279. TVOC	總揮發性有機化合物			Yes
280. Undecane, n-	十一烷	C11H24	9.56	Yes
281. Vinyl acetate	乙酸乙烯酯	C4H6O2	9.19	Yes
282. Vinyl bromide	溴乙烯	C2H3Br	9.8	Yes
283. Vinyl chloride	氯乙烯	C2H3Cl	9.99	Yes
284. Vinyl-2-pyrrolidinone, 1-	1-乙烯基 吡咯烷	C6H9NO		Yes
285. Xylene mixed isomers	二甲苯混合物	C8H10	8.56	Yes
286. Xylene, m-	間二甲苯	C8H10	8.56	Yes
287. Xylene, o-	鄰二甲苯	C8H10	8.56	Yes
288. Xylene, p-	對二甲苯	C8H10	8.44	Yes
289. Xylidine, all	二甲苯胺	C8H11N	7.5	Yes