

Gases Supported by IRI Analyzers

The following is a list of gases and vapors that can be analyzed with certain gas analyzers from Infrared Industries.

For any application of a particular gas, please contact us to confirm our ability to meet your needs.

	GAS/VAPOR
1	Acetaldehyde (Ethanal)
2	Acetaldehyde Diacetate (Ethylidene Diacetate)
3	Acetic Acid (Ethanoic Acid)
4	Acetophenone (Acetylbenzene; Methyl Phenyl Ketone)
5	1-Allyloxy-2, 3-Epoxypropane (A.G.E., Allyl Glycidyl Ether)
6	1-Aminobutane - Skin (Butylamine)
7	Aminoethane (Ethylamine)
8	2-Aminoethanol (Ethanolamine; Monoethanolamine)
9	Aminomethane (Methylamine)
10	2-Aminopropane (Isopropylamine)
11	2-Aminotoluene - Skin (o-Methylaniline; o-Toluidine)
12	Ammonia (NH ₃)
13	Aniline - Skin (Aminobenzene; Phenylamine)
14	Benzaldehyde (Benzenecarbonyl)
15	Benzene
16	Benzyl Acetate
17	Bromobenzene (Phenyl Bromide)
18	1-Bromobutane (n-Butyl Bromide)
19	2-Bromobutane (sec-Butyl Bromide)
20	Bromochloromethane (Chlorobromomethane; Methylene Chlorobromide)
21	Bromoethane (Ethyl Bromide)
22	Bromoethane - Skin (Methyl Bromide)
23	Bromotrifluoromethane (Freon 13B1; Trifluoromonobromomethane)
24	Butane (C ₄ H ₁₀)
25	1, 3-Butadiene (Bivinylyl; Erythrene; Vinylethylene)
26	1-Butanethiol (Butyl Mercaptan)
27	1-Butanol (n-Butyl Alcohol)
28	2-Butanol (sec-Butyl Alcohol)
29	2-Butanone (MEK; Methyl Ethyl Ketone)

	GAS/VAPOR
30	trans-2-Butenal (Crotonaldehyde)
31	2-Butoxyethanol - Skin (Butyl Cellosolve; Ethylene Glycol Monobutyl Ether)
32	Butyl Acetate
33	sec-Butyl Acetate
34	tert-Butyl Acetate
35	1-tert-Butyl-4-Methylbenzene (p-tert-Butyltoluene)
36	Camphene
37	Carbon Monoxide (CO)
38	Carbon Dioxide (CO ₂)
39	Carbonyl Sulfide (CO _s)
40	Carbonyl Sulfide (Carbon Oxysulfide)
41	Carvone (Carvol)
42	Chlorobenzene (Monochlorobenzene; Phenyl Chloride)
43	1-Chlorobutane (n-Butyl Chloride)
44	Chlorodifluoromethane (Freon 22)
45	1-Chloro-2, 3-Epoxypropane-Skin (α-Epichlorohydrin)
46	Chloroethane (Ethyl Chloride)
47	2-Chloroethanol - Skin (Ethylene Chlorohydrin)
48	Chloroethene (Vinyl Chloride)
49	Chloromethane (Methyl Chloride)
50	1-Chloropentane (n-Amyl Chloride; Pentyl Chloride)
51	1-Chloropropane (n-Propyl Chloride)
52	2-Chloropropane (Isopropyl Chloride)
53	3-Chloropropene (Allyl Chloride)
54	1-Chloro-2-Propanol (sec-Propylene Chlorohydrin)
55	3-Chloro-1-Propanol (Trimethylene Chlorohydrin)
56	2-Chloro-1, 1, 2-Trifluoroethyl Difluoromethyl Ether (Enflurane; Ethrane)
57	Citronellol
58	Cycloheptane (Heptamethylene; Suberane)

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59	Cyclohexane (Hexahydrobenzene)
60	Cyclohexanol (Hexahydrophenol)
61	Cyclohexanone
62	Cyclohexene (1, 2, 3, 4-Tetrahydrobenzene)
63	Decalin (Decahydronaphthalene)
64	1, 2-Diaminoethane (Ethylenediamine)
65	Dibromodifluoromethane (Difluorodibromomethane)
66	1, 2-Dibromoethane (Ethylene Bromide; Ethylene Dibromide)
67	1, 3-Dibromopropane (Trimethylene Bromide)
68	Dibutyl Ether (Butyl Ether)
69	1, 2-Dichlorobenzene
70	1, 3-Dichlorobenzene (m-Dichlorobenzene)
71	1, 4-Dichlorobenzene (p-Dichlorobenzene)
72	2, 2-Dichlorodiethyl Ether - Skin (Bis - (2-Chloroethyl) Ether; Dichloroethyl Ether)
73	Dichlorodifluoromethane (Freon 12)
74	1, 1-Dichloroethane (Ethylidene Chloride; Ethylidene Dichloride)
75	1, 2-Dichloroethane (Ethylene Chloride; Ethylene Dichloride)
76	cis-1, 2-Dichloroethene (cis-1, 2-Dichloroethylene)
77	trans-1, 2-Dichloroethene (trans-1, 2-Dichloroethylene)
78	Dichlorofluoromethane (Dichloromonofluoromethane; Fluorodichloromethane; Freon 21)
79	Dichloromethane (Methylene Chloride)
80	1, 1-Dichloro-1-Nitroethane
81	2, 2-Dichloro-1, 1-Difluoroethyl Methyl Ether (Methoxyfluorane; Penthrane)
82	1, 2-Dichloropropane (Propylene Chloride; Propylene Dichloride)
83	1, 3-Dichloropropane (Trimethylene Chloride)
84	1, 1-Dichloropropene (1, 1-Dichloropropylene)
85	1, 2-Dichloropropene (1, 2-Dichloropropylene)
86	Diethylamine
87	2-Diethylaminoethanol - Skin (β-Hydroxytriethylamine)
88	Diethyl Ether (Ether; Ethoxyethane; Ethyl Ether)
89	1, 2-Difluoro-1, 1, 2, 2-Tetrachloroethane (Freon 112; 1, 1, 2, 2-Tetrachloro-1, 2, -Difluoroethane)
90	Diisopropylamine - Skin
91	Diisopropyl Ether (Isopropyl Ether)
92	1, 1-Dimethoxyethane (Dimethylacetal)
93	1, 2-Dimethoxyethane (Ethylene Glycol Dimethyl Ether)
94	Dimethoxymethane (Formal; Methylal)
95	2, 5-Dimethoxytoluene

	GAS/VAPOR
96	N, N-Dimethylacetamide - Skin
97	Dimethylethylamine (D.M.E.A.)
98	N, N-Dimethylaniline - Skin
99	1, 2-Dimethylbenzene (o-Xylene)
100	1, 3-Dimethylbenzene (m-Xylene)
101	1, 4-Dimethylbenzene (p-Xylene)
102	2, 2-Dimethylbutane (neo-Hexane)
103	2, 3-Dimethylbutane
104	N, N-Dimethylformamide - Skin
105	2, 6-Dimethyl-4-Heptanone (Diisobutyl Ketone)
106	2, 4-Dimethylpentane
107	Dimethyl Sulfate - Skin (Methyl Sulfate)
108	1, 4-Dioxane-Skin (Diethylene Dioxide)
109	1, 3-Dioxolane (Ethylene Glycol Methylene Ether)
110	Diphenyl Ether (Diphenyl Oxide; Phenyl Ether)
111	D1-tert-Butyl Peroxide (DTBP)
112	1, 2-Epoxy-3-Butoxypropane (B.G.E.; 1-n-Butoxy-2, 3-Epoxypropane; n-Butyl Glycidyl)
113	1, 2-Epoxyethane (Ethylene Oxide; Oxirane)
114	1, 2-Epoxypropane (Methyloxirane; Propylene Oxide)
115	Ethane (C ₂ H ₆)
116	Ethanenitrile (Acetonitrile; Cyanomethane; Methyl Cyanide)
117	Ethenyltoluene (ar-Methylstyrenes; Vinyl Toluene)
118	2-Ethoxyethanol-Skin (Cellosolve; Ethylene Glycol Monoethyl Ether)
119	2-Ethoxyethyl Acetate-Skin (Cellosolve Acetate; Ethylene Glycol Monoethyl Ether Acetate)
120	Ethyl Acetate
121	Ethyl Acrylate - Skin
122	Ethylalcohol (Ethanol) C ₂ H ₅ OH
123	Ethylbenzene
124	Ethyl Butanoate (Ethyl Butyrate)
125	2-Ethyl-1-Butene (3-Methylenepentane)
126	Ethylene (C ₂ H ₄)
127	Ethylene Oxide (C ₂ H ₄ O)
128	Ethyl Formate
129	Ethyl Heptanoate
130	2-Ethylhexyl Acetate (Octyl Acetate)
131	4-Ethylmorpholine - Skin (N-Ethylmorpholine)
132	Ethyl Propanoate (Ethyl Propionate)
133	Fluorobenzene
134	Fluorotrichloromethane (Freon 11; Trichlorofluoromethane)
135	Formic Acid (Methanoic Acid)

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136	Freon 11 (C ₂ Cl ₃ F)
137	Freon 114 (C ₂ Cl ₂ F ₄)
138	Furfural - Skin (Fural; 2-Furaldehyde)
139	(2-Furyl) Methanol (Furfurol; Furfuryl Alcohol)
140	Heptane
141	1-Heptanol (n-Heptyl Alcohol)
142	4-Heptanone (Di-n-Propyl Ketone)
143	2-Heptanone (Methyl n-Amyl Ketone)
144	3-Heptanone (Ethyl Butyl Ketone)
145	Hexachloroethane - Skin (Perchloroethane)
146	Hexane (C ₆ H ₁₄)
147	2, 5-Hexanedione (Acetylacetone)
148	1-Hexanol (n-Hexyl Alcohol)
149	2-Hexanone (Methyl Butyl Ketone)
150	1-Hexene (Hexylene)
151	2-Hexene
152	Hexyl Acetate
153	Hydrogen Sulfide
154	3-Hydroxy-2-Butanone (Acetoin)
155	4-Hydroxy-4-Methyl-2-Pentanone (Diacetone Alcohol)
156	α-Hydroxytoluene (Benzyl Alcohol)
157	Indene (Indonaphthene)
158	1-Iodobutane (n-Butyl Iodide)
159	Iodomethane - Skin (Methyl Iodide)
160	Isobutyl Acetate
161	Isobutyl Formate
162	Isophorone (3, 5, 5-Trimethyl-2-Cyclohexen-1-one)
163	Isopropenylbenzene (α-Methyl Styrene)
164	Isopropyl Acetate
165	Isopropylbenzene (Cumene)
166	Methane (CH ₄)
167	1-Isopropyl-4-Methylbenzene (p-Cymene)
168	Methanethiol (Methyl Mercaptan)
169	Methanol (Methyl Alcohol)
170	2-Methoxybenzene (Anisole)
171	2-Methoxyethanol - Skin (Ethylene Glycol Monomethyl Ether; Methyl Cellosolve)
172	2-Methoxyethyl Acetate - Skin (Methyl Cellosolve Acetate)
173	bis (2-Methoxyethyl) Ether (Diethylene Glycol Dimethyl Ether; Diglyme; Dimethyl Carbitol)
174	Methyl Acetate
175	Methyl Acrylate - Skin
176	N-Methylaniline - Skin (Monomethyl Aniline)
177	2-Methylaziridine - Skin (Propyleneimine)

	GAS/VAPOR
178	2-Methyl-1, 3-Butadiene (Isoprene)
179	2-Methylbutane (Isopentane)
180	3-Methyl-1-Butanol (Isoamyl Alcohol; Isopentanol)
181	3-Methyl-2-Butanone (Methyl Isopropyl Ketone)
182	2-Methyl-1-Butene
183	2-Methyl-2-Butene
184	3-MethylbutylAcetate (Isoamyl Acetate; Isopentyl Acetate)
185	Methylcyclohexane
186	3-Methylcyclohexanol (Hexahydrocresol; Hexahydromethylphenol)
187	2-Methylcyclohexanone - Skin (o-Methylcyclohexanone)
188	3-Methylcyclohexanone
189	1-Methylcyclohexene
190	Methylcyclopentane
191	Methyl Formate
192	Methyl Heptanoate
193	5-Methyl-3-Heptanone (Ethyl Amyl Ketone)
194	3-Methylhexane
195	Methyl Hexanoate (Methyl Caproate)
196	5-Methyl-2-Hexanone (Methyl Isoamyl Ketone)
197	Methyl-2-Hydroxybenzoate (Methyl Salicylate)
198	Methyl-2-Hydroxy-2-Methylpropanoate (Methyl α-Hydroxyisobutyrate)
199	Methyl Methacrylate
200	1-Methylnaphthalene
201	Methyl Octanoate (Methyl Caprylate)
202	2-Methylpentane
203	3-Methylpentane
204	2-Methyl-1-Pentanol
205	4-Methyl-2-Pentanol - Skin (Methylamyl Alcohol; Methyl Isobutyl Carbinol)
206	4-Methyl-2-Pentanone (Hexone; Isopropylacetone; Methyl Isobutyl Ketone; MIBK)
207	4-Methyl-3-Penten-2-One (Mesityl Oxide)
208	2-Methyl-1-Pentene
209	4-Methyl-1-Pentene (1-Isohexene)
210	3-Methylphenol - Skin (m-Cresol; Cresylic Acid; 3-Hydroxytoluene)
211	2-Methyl-1-Propanol (Isobutanol; Isobutyl Alcohol)
212	2-Methyl-2-Propanol (tert-Butanol; tert-Butyl Alcohol)
213	2-Methylpropene (Tetramer) (Tetraisobutylene)
214	Morpholine - Skin (Tetrahydro-1; 4-Oxazine)
215	Nitrobenzene - Skin
216	Nitroethane

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GAS/VAPOR	
217	Nitromethane
218	1-Nitropropane
219	2-Nitropropane
220	3-Nitrotoluene - Skin
221	Nitrous Oxide (N ₂ O)
222	Octane
223	2-Octanone (Methyl Hexyl Ketone)
224	Pentachloroethane (Pentalin)
225	Pentane
226	2, 4-Pentanedione (Acetylaceton)
227	1-Pentanol (n-Amyl Alcohol; Butyl Carbinol)
228	3-Pentanol (Diethyl Carbinol)
229	2-Pentanone (Methyl Propyl Ketone)
230	3-Pentanone (Diethyl Ketone; Propione)
231	1-Pentene (α -n-Amylene)
232	cis-2-Pentene (β -n-Amylene)
233	Pentyl Acetate (n-Amyl Acetate)
234	Phenol - Skin (Carbolic Acid; Hydroxybenzene)
235	Phenylhydrazine - Skin
236	Pinene
237	Propane (C ₃ H ₈)
238	1-Propanol (Propyl Alcohol)
239	2-Propanol (Isopropanol; Isopropyl Alcohol)
240	2-Propanone (Acetone; Dimethyl Ketone)
241	Propenenitrile - Skin (Acrylonitrile; Vinyl Cyanide)
242	2-Propen-1-01 (Allyl Alcohol; Vinyl Carbinol)
243	Propyl Acetate
244	Propylene (C ₃ H ₆)
245	Propyl Nitrate

GAS/VAPOR	
246	Propyne
247	Pyridine
248	Styrene (Ethenylbenzene; Phenylethylene; Vinylbenzene)
249	Sulfur Dioxide (SO ₂)
250	Sulfur Hexafluoride
251	1, 1, 1, 2-Tetrachloroethane
252	1, 1, 2, 2-Tetrachloroethane - Skin (Acetylene Tetrachloride)
253	Tetrachloromethane (Carbon Tetrachloride)
254	Tetraethyl Silicate (Ethyl Silicate)
255	Tetrahydrofuran (1, 4-Epoxybutane; Tetramethylene Oxide)
256	(2-Tetrahydrofuryl) Methanol (Tetrahydrofurfuryl Alcohol)
257	Tetralin (1, 2, 3, 4-Tetrahydronaphthalene)
258	Toluene (Methylbenzene; Phenylmethane)
259	1, 1, 1-Trichloroethane (Methylchloroform)
260	Trichloroethene (Acetylene Trichloride; Trichloroethylene)
261	Trichloromethane (Chloroform)
262	1, 1, 2-Trichloro-1, 2, 2-Trifluoroethane (Freon 113; Freon TF)
263	Triethylamine
264	2, 2, 2-Trifluoroethyl Vinyl Ether
265	1, 2, 4-Trimethylbenzene (Pseudocumene)
266	1, 3, 5-Trimethylbenzene (Mesitylene)
267	2, 2, 4-Trimethylpentane (Iso-octane)
268	2, 3, 4-Trimethylpentane
269	Turpentine
270	Water Vapor (H ₂ O)
271	Xylol (Technical Grade Mixture of Xylenes)