

Methane, CH ₄	Tetrafluoroethylene, C ₂ F ₄
Ethane, C ₂ H ₆	Perfluoroethane, C ₂ F ₆
Propane, C ₃ H ₈	Chlorodifluoroethane, C ₂ H ₃ ClF ₂
Isobutane, C ₄ H ₁₀	1,1-Dichlorotetrafluoroethane, C ₂ Cl ₂ F ₄
n-Butane, C ₄ H ₁₀	1,2,2-Trichlorotrifluoroethane, C ₂ Cl ₃ F ₃
Isopentane, C ₅ H ₁₂	1,2 Dichloropropane, C ₃ H ₆ Cl ₂
n-Pentane, C ₅ H ₁₂	Tetrachloroethylene, C ₂ Cl ₄
n-Hexane, C ₆ H ₁₄	Bromotrifluoroethylene, C ₂ BrF ₃
n-Heptane, C ₇ H ₁₆	Fluorine, F ₂
n-Octane, C ₈ H ₁₈	Bromine, Br ₂
n-Nonane, C ₉ H ₂₀	Ozone, O ₃
n-Decane, C ₁₀ H ₂₂	Boron Trifluoride, BF ₃
n-Undecane, C ₁₁ H ₂₄	Boron Trichloride, BCl ₃
Ethylene, C ₂ H ₄	Carbon Disulfide, CS ₂
Propylene, C ₃ H ₆	Hydrazine, H ₄ N ₂
Nitrogen, N ₂	Nitric Oxide, NO
Carbon Dioxide, CO ₂	Nitrous Oxide, N ₂ O
Hydrogen Sulfide, H ₂ S	Nitrogen Dioxide, NO ₂
Hydrogen Chloride, HCl	Nitric Acid, HNO ₃
Chlorine, Cl ₂	Nitrogen Trifluoride, F ₃ N
Oxygen, O ₂	Hydrogen Bromide, HBr
Dodecane, C ₁₂ H ₂₆	Diborane, B ₂ H ₆
Tridecane, C ₁₃ H ₂₈	Titanium Tetrachloride, TiCl ₄
Tetradecane, C ₁₄ H ₃₀	Chlorine Dioxide, ClO ₂
Pentadecane, C ₁₅ H ₃₂	Sulfur Tetrafluoride, SF ₄
n-Heptadecane, C ₁₇ H ₃₆	Carbon Oxysulfide, COS
Methyl Mercaptan, CH ₄ S	Carbon Tetrafluoride, CF ₄
Ethyl Mercaptan, C ₂ H ₆ S	Carbon Tetrachloride, CCl ₄
Methyl Amine, CH ₅ N	Hydrogen Cyanide, CHN
Carbon Monoxide, CO	Fluoroform, CHF ₃
Sulfur Dioxide, O ₂ S	Chloroform, CHCl ₃
Sulfur Trioxide, O ₃ S	Phosgene, CCl ₂ O
Sulfuric Acid, H ₂ SO ₄	Formaldehyde, CH ₂ O
Hydrogen Fluoride, HF	Methyl Fluoride, CH ₃ F
Hydrogen(equilibrium), H ₂	Methyl Chloride, CH ₃ Cl
Water, H ₂ O	Methyl Bromide, CH ₃ Br
Ammonia, H ₃ N	Methyl Iodide, CH ₃ I
Helium, He	Nitromethane, CH ₃ NO ₂
Neon, Ne	Methanol, CH ₄ O
Argon, Ar	Methyl Hydrazine, CH ₆ N ₂
Krypton, Kr	Formic Acid, CH ₂ O ₂
Xenon, Xe	Cyanogen, C ₂ N ₂
Difluoromethane, CH ₂ F ₂	Trifluoroacetonitrile, C ₂ F ₃ N
Dichloromethane, CH ₂ Cl ₂	Acetylene, C ₂ H ₂
Chlorodifluoromethane, CHClF ₂	Ketene, C ₂ H ₂ O
Dichloromonofluoromethane, CHCl ₂ F	Vinylidene Fluoride, C ₂ H ₂ F ₂
Dichlorodifluoromethane, CCl ₂ F ₂	Vinyl Fluoride, C ₂ H ₃ F
Trichlorofluoromethane, CCl ₃ F	Acetonitrile, C ₂ H ₃ N
1,1-Difluoroethane, C ₂ H ₄ F ₂	Methyl Isocyanate, C ₂ H ₃ NO
1,1-Dichloroethane, C ₂ H ₄ Cl ₂	Vinyl Chloride, C ₂ H ₃ Cl
1,2-Dichloroethane, C ₂ H ₄ Cl ₂	Acetyl Chloride, C ₂ H ₃ ClO
Trichloroethylene, C ₂ HCl ₃	Acetaldehyde, C ₂ H ₄ O



CANARY Materials

Ethylene Oxide, C ₂ H ₄ O	1-Butene, C ₄ H ₈
Acetic Acid, C ₂ H ₄ O ₂	trans-2-Butene, C ₄ H ₈
Methyl Formate, C ₂ H ₄ O ₂	cis-2-Butene, C ₄ H ₈
Ethyl Bromide, C ₂ H ₅ Br	Cyclobutane, C ₄ H ₈
Ethyl Chloride, C ₂ H ₅ Cl	Isobutylene, C ₄ H ₈
Ethyl Fluoride, C ₂ H ₅ F	Isobutyraldehyde, C ₄ H ₈ O
Dimethyl Ether, C ₂ H ₆ O	Methyl Ethyl Ketone, C ₄ H ₈ O
Ethanol, C ₂ H ₆ O	Tetrahydrofuran, C ₄ H ₈ O
Methyl Ether, C ₂ H ₆ O	Vinyl Ethyl Ether, C ₄ H ₈ O
Dimethyl Sulfide, C ₂ H ₆ S	1,4-Dioxane, C ₄ H ₈ O ₂
Dimethylamine, C ₂ H ₇ N	n-Butyric Acid, C ₄ H ₈ O ₂
Ethyl Amine, C ₂ H ₇ N	Isobutyric Acid, C ₄ H ₈ O ₂
Ethylenediamine, C ₂ H ₈ N ₂	Methyl Propionate, C ₄ H ₈ O ₂
Acrylonitrile, C ₃ H ₃ N	Ethyl Acetate, C ₄ H ₈ O ₂
Propyne, C ₃ H ₄	Sulfolane, C ₄ H ₈ O ₂ S
Propadiene, C ₃ H ₄	1-Chlorobutane, C ₄ H ₉ Cl
Acrolein, C ₃ H ₄ O	2-Chlorobutane, C ₄ H ₉ Cl
Acrylic Acid, C ₃ H ₄ O ₂	tert-Butyl Chloride, C ₄ H ₉ Cl
Vinyl Formate, C ₃ H ₄ O ₂	Pyrrolidine, C ₄ H ₉ N
Propionitrile, C ₃ H ₅ N	Morpholine, C ₄ H ₉ NO
Allyl Chloride, C ₃ H ₅ Cl	2-Butanol, C ₄ H ₁₀ O
1,2,3-Trichloropropane, C ₃ H ₅ Cl ₃	n-Butanol, C ₄ H ₁₀ O
Epichlorohydrin, C ₃ H ₅ ClO	Isobutanol, C ₄ H ₁₀ O
Cyclopropane, C ₃ H ₆	tert-Butanol, C ₄ H ₁₀ O
Acetone, C ₃ H ₆ O	Diethyl Ether, C ₄ H ₁₀ O
Propylene Oxide, C ₃ H ₆ O	1,2-Dimethoxyethane, C ₄ H ₁₀ O ₂
Allyl Alcohol, C ₃ H ₆ O	Diethyl Sulfide, C ₄ H ₁₀ S
Vinyl Methyl Ether, C ₃ H ₆ O	Diethyl Amine, C ₄ H ₁₁ N
Ethyl Formate, C ₃ H ₆ O ₂	Pyridine, C ₅ H ₅ N
Methyl Acetate, C ₃ H ₆ O ₂	1,2-Pentadiene, C ₅ H ₈
Propionic Acid, C ₃ H ₆ O ₂	1,3-Pentadiene, C ₅ H ₈
Propyl Chloride, C ₃ H ₇ Cl	trans-1,3-Pentadiene, C ₅ H ₈
Isopropyl Chloride, C ₃ H ₇ Cl	1,4-Pentadiene, C ₅ H ₈
1-Propanol, C ₃ H ₈ O	3-Methyl-1,2-Butadiene, C ₅ H ₈
Isopropyl Alcohol, C ₃ H ₈ O	Isoprene, C ₅ H ₈
Methyl Ethyl Ether, C ₃ H ₈ O	1-Pentyne, C ₅ H ₈
Isopropyl Amine, C ₃ H ₉ N	Cyclopentanone, C ₅ H ₈ O
n-Propyl Amine, C ₃ H ₉ N	Ethyl Acrylate, C ₅ H ₈ O ₂
Trimethyl Amine, C ₃ H ₉ N	1-Pentene, C ₅ H ₁₀
Methyl Ethyl Sulfide, C ₃ H ₈ S	cis-2-Pentene, C ₅ H ₁₀
2-Chloropropylene, C ₃ H ₅ Cl	trans-2-Pentene, C ₅ H ₁₀
Vinyl Acetylene, C ₄ H ₄	Cyclopentane, C ₅ H ₁₀
Furan, C ₄ H ₄ O	3-Methyl-1-Butene, C ₅ H ₁₀
Thiophene, C ₄ H ₄ S	2-Methyl-1-Butene, C ₅ H ₁₀
Allyl Cyanide, C ₄ H ₅ N	Diethyl Ketone, C ₅ H ₁₀ O
Ethyl Acetylene (1-Butyne), C ₄ H ₆	Methyl Isopropyl Ketone, C ₅ H ₁₀ O
2-Butyne, C ₄ H ₆	Methyl n-Propyl Ketone, C ₅ H ₁₀ O
1,2-Butadiene, C ₄ H ₆	Ethyl Propionate, C ₅ H ₁₀ O ₂
1,3 Butadiene, C ₄ H ₆	Isobutyl Formate, C ₅ H ₁₀ O ₂
trans-Crotonaldehyde, C ₄ H ₆ O	n-Propyl Acetate, C ₅ H ₁₀ O ₂
Vinyl Acetate Monomer, C ₄ H ₆ O ₂	Piperidine, C ₅ H ₁₁ N
Methyl Acrylate, C ₄ H ₆ O ₂	2,2-Dimethylpropane (Neopentane), C ₅ H ₁₂



CANARY Materials

MTBE, C₅H₁₂O

o-Dichlorobenzene, C₆H₄Cl₂

Fluorobenzene, C₆H₅F

Chlorobenzene, C₆H₅Cl

Bromobenzene, C₆H₅Br

Iodobenzene, C₆H₅I

Benzene, C₆H₆

Phenol, C₆H₆O

Aniline, C₆H₇N

4-Methylpyridine, C₆H₇N

1-Hexene, C₆H₁₂

2,3-Dimethyl-1-Butene, C₆H₁₂

Cyclohexane, C₆H₁₂

Methylcyclopentane, C₆H₁₂

trans-2-Hexene, C₆H₁₂

trans-3-Hexene, C₆H₁₂

Diisopropyl Ether, C₆H₁₄O

Ethyl Butyl Ether, C₆H₁₄O

2-Methyl-2-Pentene, C₆H₁₂

4-Methyl 2-Pentanol, C₆H₁₄O

Toluene, C₇H₈

Styrene Monomer, C₈H₈

Ethylbenzene, C₈H₁₀

ortho-Xylene, C₈H₁₀

meta-Xylene, C₈H₁₀

para-Xylene, C₈H₁₀

1-Octene, C₈H₁₆

2,2,3-Trimethylpentane, C₈H₁₈

3-Methylheptane, C₈H₁₈

1-Octanol, C₈H₁₈O

Naphthalene, C₁₀H₈

1-Decene, C₁₀H₂₀

1-Methylnaphthalene, C₁₁H₁₀

2-Methylnaphthalene, C₁₁H₁₀

Toluene Diisocyanate, C₉H₆N₂O₂

Diphenyl, C₁₂H₁₀

Diphenyl Ether, C₁₂H₁₀O