

## Ionization Potentials

Compound	IP (eV)
Acetaldehyde	10.21
Acetic Acid	10.37
Acetic Anhydride	9.88
Acetone	9.69
Acetonitrile	12.22
Acrolein	10.10
Allyl Alcohol	9.67
Allyl Chloride	10.20
Ammonia	10.15
Aniline	7.70
Benzene	9.25
Benzyl Chloride	10.16
1,3-Butadiene	9.07
n-Butyl Amine	8.71
Carbon Disulfide	10.13 (10.06)
Carbon Monoxide	13.98
Chlorine	11.48
Chlorine Dioxide	10.7
Chlorobenzene	9.07
Crotonaldehyde	9.73
Cyclohexane	9.98
Cyclohexanol	10.00
Cyclohexanone	9.14
Cyclohexene	8.95
Diborane	11.4
1,3-Dichloroethane	11.06
1,2-Dichloroethylene	9.65
Dimethyl Amine	8.24
Dimethyl Aniline	7.14
Ethyl Acetate	10.11
Ethyl Amine	8.86
Ethyl Benzene	8.76
Ethyl Bromide	10.29
Ethyl Butyl Ketone	9.02
Ethyl Chloride	10.98
Ethylene Chlorohydrin	10.90
Ethyl Formate	10.61
Ethyl Mercaptan	9.29
Formic Acid	11.05
Heptane	10.07 (9.90)

<b>Compound</b>	<b>IPS</b>
Hydrogen	15.43
Hydrogen Cyanide	13.91 (13.69)
Hydrogen Fluoride	16.01
Hydrogen Sulfide	10.46
Isoamyl Acetate	9.90
Isoamyl Alcohol	10.16
Isopropyl Acetate	9.99
Isopropyl Alcohol	10.16
Isopropyl Amine	8.72
Isopropyl Ether	9.20
Liquefied Petroleum Gas (LPG)	10.95
Methanol	10.85
Methyl Acetate	10.27
Methyl Acetylene	10.36
Methyl Acrylate	10.72 (9.19)
Methylal	10.00
Methyl Amine	8.97
Methyl Ethyl Ketone	9.53
Methyl Formate	10.81
Methyl Mercaptan	9.44
Morpholine	8.88
Nitrobenzene	9.92
Nitroethane	10.88
Nitrogen Dioxide	9.75
Nitromethane	11.08
1-Nitropropane	10.81
m-Nitrotoluene	9.79
Octane	9.9
Pentane	10.35
2-Pentanone	9.39
Phosphine	9.96
Propane	11.07
n-Propyl Acetate	10.04
n-Propyl Alcohol	10.20
Propylene Dichloride	10.87
Propylene Oxide	10.22
Styrene	8.47
Toluene	8.82
o-Toluidine	7.6
Trichloroethylene	9.47
Triethylamine	7.50
Vinyl Chloride	10.00
Water	12.61
m-Xylene	8.56