

THEORETICALLY DETECTABLE COMPOUNDS FOR NOVAPID (10.6 EV)

Updated on 06/30/2020

| NO. | COUMPOUND | FORMULA | ALTERNATE NAME | CAS # | IE (eV) |
|-----|--------------------------------------|-----------|--|----------|---------|
| 1 | Acetaldehyde | C2H4O | Acetic aldehyde; Ethyl Aldehyde; Ethanal | 75-07-0 | 10.23 |
| 2 | Acetaldehyde, chloro- | C2H3ClO | Chloroacetaldehyde; Monochloroacetaldehyde; 2-Chloro-1-ethanal; 2-Chloroacetaldehyde; Chloroethanal ; 2-Chloroethanal | 107-20-0 | 10.48 |
| 3 | Acetamide | C2H5NO | Ethanamide; Acetic acid amide; Methanecarboxamide | 60-35-5 | 9.69 |
| 4 | Acetic acid, butyl ester | C6H12O2 | n-Butyl acetate; Butyl acetate; Butyl ethanoate; 1-Butyl acetate | 123-86-4 | 9.92 |
| 5 | Acetic acid, chloro-, ethyl ester | C4H7ClO2 | Chloroacetic acid ethyl ester; Ethyl α-chloroacetate; Ethyl chloroacetate; Ethyl chloroethanoate; Ethyl monochloroacetate; Ethyl monochloroacetate; Ethyl chloracetate; Ethylester kyseliny chloroctove | 105-39-5 | 10.2 |
| 6 | Acetic acid, 1,1-dimethylethyl ester | C6H12O2 | Acetic acid, tert-Butyl ester; tert-Butyl acetate; t-Butyl acetate; tert-Butyl ethanoate; TLA; Acetic acid t-butyl ester; 1,1-Dimethylethyl acetate | 540-88-5 | 9.7 |
| 7 | Acetic acid ethenyl ester | C4H6O2 | Vinyl acetate; Ethenyl acetate, Ethenyl ethanoate, Acetic acid vinyl ester, Vinyl ethanoate, Acetoxyethene | 108-05-4 | 9.19 |
| 8 | Acetic acid, methyl ester | C3H6O2 | Methyl acetate; Devoton; Tereton | 79-20-9 | 10.25 |
| 9 | Acetic acid, trichloro-, ethyl ester | C4H5Cl3O2 | Ethyl trichloroacetate; Acetic acid, ester with trichloroethanol; Acetic acid, 2,2,2-trichloroethyl ester; Trichloroethyl acetate | 515-84-4 | 10.44 |
| 10 | Acetic anhydride | C4H6O3 | Acetic acid, anhydride; Acetic oxide; Acetyl anhydride; Acetyl ether; Acetyl oxide; Ethanoic anhydride | 108-24-7 | 10.0 |
| 11 | Acetone | C3H6O | DMK; 2-Propanone; Dimethyl ketone; Dimethylformaldehyde; Methyl ketone; Propanone; | 67-64-1 | 9.7 |
| 12 | Acetophenone | C8H8O | Ethanone, 1-phenyl-; Acetophenon; Benzoyl methide; Hypnon; Hypnone; Methyl phenyl ketone; Phenyl methyl ketone; 1-Phenylethanone; Acetylbenzene; ACP | 98-86-2 | 9.28 |
| 13 | Acetophenone, 2-chloro- | C8H7ClO | Ethanone, 2-chloro-1-phenyl-; α-Chloroacetophenone; α-Phenacyl chloride; Chloromethyl phenyl ketone; CAF; CN; Phenacyl chloride; Phenyl chloromethyl ketone; 1-Chloroacetophenone; 2-Chloroacetophenone; Chloroacetophenone; CAP; Chloracetophenone; 2-Chloro-1-phenylethanone; Mace; (2-Chloro-1-oxoethyl)benzene; 1-Phenyl-2-chloro-1-ethanone; Benzoylmethyl chloride; α-Chloroacetophenone | 532-27-4 | 9.44 |
| 14 | Acetyl bromide | C2H3BrO | | 506-96-7 | 10.24 |
| 15 | Acetylacetone | C5H8O2 | 2,4-Pentanedione; Acetoacetone; Diacetylmethane; Pentane-2,4-dione; 2-Propanone, acetyl-; 2,4-Dioxopentane; 2,4-Pentadione; ACAC | 123-54-6 | 8.85 |

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|-----|----------------------------|---------|--|-----------|---------|
| 16 | Acridine | C13H9N | Acrydine; Benzo[b]quinoline; Dibenzo[b,e]pyridine; 10-Azaanthracene; 2,3-Benzoquinoline; 9-Azaanthracene; Akridin | 260-94-6 | 7.8 |
| 17 | Allene | C3H4 | Propadiene; 1,2-Propadiene; sym-Allylene; Dimethylenemethane | 463-49-0 | 9.69 |
| 18 | Allyl chloride | C3H5Cl | 1-Propene, 3-chloro-; Propene, 3-chloro-; 1-Chloro-2-propene; 2-Propenyl chloride; 3-Chloro-1-propene; 3-Chloropropene; 3-Chloropropylene; 3-Chloropropene | 107-05-1 | 10.05 |
| 19 | 2-Aminopyridine | C5H6N2 | Pyridin-2-amine; 2-Pyridinamine; 2-Pyridylamine; α -Aminopyridine; α -Pyridyl amine | 504-29-0 | 8.1 |
| 20 | Ammonia | NH3 | | 7664-41-7 | 10.07 |
| 21 | Aniline | C6H7N | Benzenamine; Aminobenzene; Aminophen; Anyvim; Benzene, amino-; Blue Oil | 62-53-3 | 7.72 |
| 22 | Aniline, N-methyl- | C7H9N | (Methylamino)benzene; Benzenamine, N-methyl-; Anilinomethane; Methylphenylamine; N-Methylaniline; N-Methylbenzenamine; N-Methylphenylamine; N-Monomethylaniline; N-Phenylmethylamine; N-Methylaminobenzene; Monomethylaniline; Methylaniline; Benzeneamine, N-methyl- | 100-61-8 | 7.38 |
| 23 | Anisole | C7H8O | Benzene, methoxy-; Anizol; Methoxybenzene; Methyl phenyl ether; Phenyl methyl ether; Ether, methyl phenyl- | 100-66-3 | 8.2 |
| 24 | Arsine | AsH3 | Arsenic trihydride; Arsenic hydride; Arseniuretted hydrogen; Arsenous hydride; Hydrogen arsenide | 7784-42-1 | 10.58 |
| 25 | Aziridine, 2-methyl- | C3H7N | Propyleneimine; Propylenimine; 1,2-Propylenimine; 2-Methylaziridine; 2-Methylethylenimine; 2-Methylazacyclopropane; Methylethylenimine; Methylaziridine; 1,2-Propyleneimine; | 75-55-8 | 9.0 |
| 26 | Benzaldehyde | C7H6O | Benzenecarbal; Benzenecarboxaldehyde; Benzoic aldehyde; Phenylmethanal; Phenylmethanal benzenecarboxaldehyde | 100-52-7 | 9.5 |
| 27 | Benzenamine, 2,4-dimethyl- | C8H11N | 2,4-Xylidine; m-Xylidine; 1-Amino-2,4-dimethylbenzene; 2,4-Dimethylaniline; 4-Amino-1,3-dimethylbenzene; 4-Amino-1,3-xylene; 2,4-Dimethylbenzeneamine; m-4-Xylidine; Aniline, 2,4-dimethyl-; 2-Methyl-p-toluidine; 2,4-Dimethylbenzenamine; 4-Amino-3-methyltoluene; 4-Methyl-o-toluidine; 2,4-Dimethylphenylamine; 2,4-Xylylamine | 95-68-1 | 7.65 |
| 28 | Benzenamine, N,N-dimethyl- | C8H11N | Aniline, N,N-dimethyl-; (Dimethylamino)benzene; Dimethylaniline; Dimethylphenylamine; N,N-Dimethylaniline | 121-69-7 | 7.12 |
| 29 | Benzenamine, 4-methoxy- | C7H9NO | p-Anisidine; p-Aminoanisole; p-Anisylamine; p-Methoxyaniline; p-Methoxyphenylamine; 4-Aminoanisole; 4-Anisidine; 4-Methoxyaniline; 4-Methoxybenzenamine; 4-Methoxybenzeneamine; Aniline, p-methoxy-; Anisole, p-amino-; 1-Amino-4-methoxybenzene; 4-Methoxy-1-aminobenzene; Anisidine | 104-94-9 | 7.08 |
| 30 | Benzene | C6H6 | | 71-43-2 | 9.24 |

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| 31 | Benzene, (1-methylethyl)- | C9H12 | Cumene; Cumol; Isopropylbenzene; 2-Phenylpropane; (1-Methylethyl)benzene; Isopropylbenzol; Benzene, isopropyl-; Cumeen; Isopropilbenzene; Isopropylbenzeen; Propane, 2-phenyl-; 2-Fenilpropano; 2-Fenyl-propan | 98-82-8 | 8.73 |
| 32 | Benzene, (2-methylpropyl)- | C10H14 | enzene, isobutyl-; Isobutylbenzene; 2-Methyl-1-phenylpropane; (2-Methylpropyl)benzene; i-Butylbenzene; 1-Phenylisobutane; 1-Phenyl-2-methylpropane | 538-93-2 | 8.71 |
| 33 | Benzene, (trifluoromethyl)- | C7H5F3 | α,α,α -Trifluorotoluene; (Trifluoromethyl)benzene; Benzenyl fluoride; Benzotrifluoride; Benzylidene fluoride; Phenylfluoroform | 98-08-8 | 9.68 |
| 34 | Benzene, 1-bromo-4-methyl- | C7H7Br | Toluene, p-bromo-; p-Bromotoluene; p-Methylbromobenzene; p-Methylphenyl bromide; p-Tolyl bromide; 1-Bromo-4-methylbenzene; 4-Bromo-1-methylbenzene; 4-Bromotoluene; 4-Methyl-1-bromobenzene; 4-Methylbromobenzene; 4-Methylphenyl bromide; 1-Methyl-4-bromobenzene; Parabromotoluene; 4-Tolyl bromide | 106-38-7 | 8.68 |
| 35 | Benzene, 1-bromo-3-methyl- | C7H7Br | Toluene, m-bromo-; m-Bromotoluene; m-Methylbromobenzene; m-Tolyl bromide; 1-Bromo-3-methylbenzene; 3-Bromo-1-methylbenzene; 3-Bromotoluene; 3-Methyl-1-bromobenzene; 3-Methylbromobenzene; 5-Bromotoluene | 591-17-3 | 8.77 |
| 36 | Benzene, 1-bromo-2-methyl- | C7H7Br | Toluene, o-bromo-; o-Bromotoluene; o-Tolyl bromide; 1-Bromo-2-methylbenzene; 2-Bromotoluene; 2-Methylbromobenzene; 2-Tolyl bromide; o-Methylphenyl bromide; 1-Methyl-2-bromobenzene; 2-Bromo-1-methylbenzene | 95-46-5 | 8.56 |
| 37 | Benzene, chloro- | C6H5Cl | Chlorobenzene; Monochlorobenzene; MCB; Phenyl Chloride; Benzene chloride; Chlorbenzene; Chlorobenzol | 108-90-7 | 9.07 |
| 38 | Benzene, 1-chloro-2-fluoro- | C6H4ClF | o-Chlorofluorobenzene; o-Fluorochlorobenzene; 1-Chloro-2-fluorobenzene; 1-Fluoro-2-chlorobenzene; 2-Chlorofluorobenzene | 348-51-6 | 9.18 |
| 39 | Benzene, 1-chloro-3-fluoro- | C6H4ClF | m-Chlorofluorobenzene; m-Fluorochlorobenzene; 1-Chloro-3-fluorobenzene; 1-Fluoro-3-chlorobenzene; 3-Chlorofluorobenzene | 625-98-9 | 9.22 |
| 40 | Benzene, 1-chloro-2-iodo- | C6H4ClI | o-Chloroiodobenzene; o-Iodochlorobenzene; 1-Chloro-2-iodobenzene; 2-Chloroiodobenzene; 2-Chlorophenyl iodide; 2-Iodochlorobenzene | 615-41-8 | 8.4 |
| 41 | Benzene, 1-chloro-4-methyl- | C7H7Cl | Toluene, p-chloro-; p-Chlorotoluene; p-Tolyl chloride; 1-Chloro-4-methylbenzene; 4-Chloro-1-methylbenzene; 4-Chlorotoluene; 1-Methyl-4-chlorobenzene; 4-Tolyl chloride; 4-Methylphenyl chloride | 106-43-4 | 8.69 |
| 42 | Benzene, 1-chloro-3-methyl- | C7H7Cl | Toluene, m-chloro-; m-Chlorotoluene; m-Tolyl chloride; 1-Methyl-3-chlorobenzene; 3-Chloro-1-methylbenzene; 3-Chlorotoluene; 1-Chloro-3-methylbenzene; meta-Chlorotoluene; 1-Chloro-5-methylbenzene | 108-41-8 | 8.7 |

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| 43 | Benzene, 1-chloro-2-methyl- | C7H7Cl | Toluene, o-chloro-; o-Chlorotoluene; o-Tolyl chloride; 1-Methyl-2-chlorobenzene; 2-Chloro-1-methylbenzene; 2-Chlorotoluene; 1-Chloro-2-methylbenzene ; ortho-Chlorotoluene; Halso 99; 2-Methylchlorobenzene | 95-49-8 | 8.72 |
| 44 | Benzene, 1-chloro-4-nitro- | C6H4ClNO2 | p-Chloronitrobenzene, p-Nitrophenyl chloride, 1-Chloro-4-nitrobenzene; PNCB; 1-Nitro-4-chlorobenzene; 4-Chloro-1-nitrobenzene; 4-Chloronitrobenzene; 4-Nitro-1-chlorobenzene; 4-Nitrochlorobenzene | 100-00-5 | 9.99 |
| 45 | 1,4-Benzenediamine | C6H8N2 | p-Aminoaniline; p-Benzenediamine; p-Diaminobenzene; p-Phenylenediamine; 1,4-Diaminobenzene; 1,4-Phenylenediamine; 4-Aminoaniline; PPD; p-Fenylendiamin; Paraphenylen-diamine | 106-50-3 | 6.87 |
| 46 | Benzene, 1,4-dichloro- | C6H4Cl2 | Benzene, p-dichloro-; p-Chlorophenyl chloride; p-Dichlorobenzene; 1,4-Dichlorobenzene | 106-46-7 | 8.92 |
| 47 | Benzene, 1,3-dichloro- | C6H4Cl2 | Benzene, m-dichloro-; m-Dichlorobenzene; 1,3-Dichlorobenzene | 541-73-1 | 9.1 |
| 48 | Benzene, 1,2-dichloro- | C6H4Cl2 | Benzene, o-dichloro-; o-Dichlorobenzene; ; 1,2-Dichlorobenzene | 95-50-1 | 9.06 |
| 49 | Benzene, 1,2-difluoro- | C6H4F2 | Benzene, o-difluoro-; o-Difluorobenzene; 1,2-Difluorobenzene; ortho-Difluorobenzene | 367-11-3 | 9.29 |
| 50 | Benzene, 1,3-difluoro- | C6H4F2 | Benzene, m-difluoro-; m-Difluorobenzene; 1,3-Difluorobenzene | 372-18-9 | 9.33 |
| 51 | Benzene, 1,4-difluoro- | C6H4F2 | Benzene, p-difluoro-; p-Difluorobenzene; 1,4-Difluorobenzene | 540-36-3 | 9.16 |
| 52 | Benzene, 1-ethenyl-3-ethyl- | C10H12 | Styrene, m-ethyl-; m-Ethylstyrene; m-Ethylvinylbenzene; m-Vinylethylbenzene; 1-Vinyl-3-ethylbenzene; 3-Vinylethylbenzene; m-Ethyl vinylbenzen; 3-Ethylstyrene; 1-Ethenyl-3-ethylbenzene; 3-Ethyl-1-ethenyl benzene: 1-Ethyl-3-vinylbenzene | 7525-62-4 | 8.35 |
| 53 | Benzene, 1-ethenyl-2-methyl- | C9H10 | Styrene, o-methyl-; o-Methylstyrene; o-Vinyltoluene; 1-Methyl-2-vinylbenzene; 2-Methylstyrene; 2-Vinyltoluene; 1-Ethenyl-2-methylbenzene; 2-Ethenylmethylbenzene; 2-Methyl-1-vinylbenzene | 611-15-4 | 8.2 |
| 54 | Benzene, fluoro- | C6H5F | Fluorobenzene; Monofluorobenzene; Phenyl fluoride | 462-06-6 | 9.2 |
| 55 | Benzene, 1-fluoro-4-methyl- | C7H7F | Toluene, p-fluoro-; p-Fluoromethylbenzene; p-Fluorotoluene; 1-Fluoro-4-methylbenzene; 4-Fluorotoluene; para-Fluorotoluene; 1-Methyl-4-fluorobenzene | 352-32-9 | 8.79 |
| 56 | Benzene, 1-fluoro-3-methyl- | C7H7F | Toluene, m-fluoro-; m-Fluorotoluene; 1-Fluoro-3-methylbenzene; 3-Fluorotoluene; meta-Fluorotoluene; 1-Methyl-3-fluorobenzene | 352-70-5 | 8.91 |
| 57 | Benzene, 1-fluoro-2-methyl- | C7H7F | Toluene, o-fluoro-; o-Fluorotoluene; 1-Fluoro-2-methylbenzene; 2-Fluorotoluene; ortho-Fluorotoluene; 1-Methyl-2-fluorobenzene | 95-52-3 | 8.91 |
| 58 | Benzene, hexafluoro- | C6F6 | CP 28; Hexafluorobenzene; Perfluorobenzene | 392-56-3 | 9.9 |
| 59 | Benzene, hexamethyl- | C12H18 | Hexamethylbenzene; Mellitene | 87-85-4 | 7.85 |
| 60 | Benzene, iodo- | C6H5I | Benzene iodide; Iodobenzene; Phenyl iodide | 591-50-4 | 8.72 |
| 61 | Benzene, 1-iodo-2-methyl- | C7H7I | Toluene, o-iodo-; o-Iodotoluene; o-Methyliodobenzene; o-Tolyl iodide; 2-Iodotoluene; 1-Iodo-2-methylbenzene; 1-Methyl-2-iodobenzene | 615-37-2 | 8.65 |

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| 62 | Benzene, 1-iodo-4-methyl- | C7H7I | oluene, p-iodo-; p-Iodotoluene; p-Methyliodobenzene; p-Tolyl iodide; 1-iodo-4-methylbenzene; 1-Methyl-4-iodobenzene; 4-Iodotoluene | 624-31-7 | 8.5 |
| 63 | Benzene, 1-iodo-3-methyl- | C7H7I | Toluene, m-iodo-; m-Iodotoluene; m-Methyliodobenzene; 3-iodotoluene; 1-Iodo-3-methylbenzene; 1-Methyl-3-iodobenzene | 625-95-6 | 8.6 |
| 64 | Benzene, isocyanato- | C7H5NO | Isocyanic acid, phenyl ester; Carbanil; Isocyanatobenzene; Mondur P; Phenyl carbonimide; Phenyl isocyanate; Phenylcarbimide; | 103-71-9 | 8.77 |
| 65 | Benzene, n-butyl- | C10H14 | Fenylisokvanat; phenyl ester isocvanic acid 1-Phenylbutane; n-Butylbenzene; Butylbenzene | 104-51-8 | 8.69 |
| 66 | Benzene, 1-methyl-4-nitro- | C7H7NO2 | Toluene, p-nitro-; p-Methylnitrobenzene; p-Nitrotoluene; PNT; 1-Methyl-4-nitrobenzene; 4-Methylnitrobenzene; 4-Nitrotoluene; 4-Nitrotoluol | 99-99-0 | 9.46 |
| 67 | Benzene, nitro- | C6H5NO2 | Nitrobenzol; Mirbane Oil; Nitrobenzene | 98-95-3 | 9.94 |
| 68 | Benzene, pentafluoro- | C7H5NO | Pentafluorobenzene | 363-72-4 | 9.84 |
| 69 | Benzene, pentamethyl- | C11H16 | Pentamethylbenzene | 700-12-9 | 7.92 |
| 70 | Benzene, propyl- | C9H12 | n-Propylbenzene; Isocumene; Propylbenzene; 1-Phenylpropane; 1-Propylbenzene; Phenylpropane | 103-65-1 | 8.72 |
| 71 | Benzene, tert-butyl- | C10H14 | Benzene, (1,1-dimethylethyl)-; tert-Butylbenzene; Dimethylethylbenzene; Phenyltrimethylmethane; Pseudobutylbenzene; Trimethylphenylmethane; 2-Methyl-2-Phenylpropane; 1,1-Dimethylethylbenzene; t-Butylbenzene; 2-Phenyl-2-methylpropane | 98-06-6 | 8.68 |
| 72 | Benzene, 1,2,3,5-tetrafluoro- | C6H2F4 | 1,2,3,5-Tetrafluorobenzene; 1,2,4,6-Tetrafluorobenzene; 1,3,4,5-Tetrafluorobenzene | 2367-82-0 | 9.55 |
| 73 | Benzene, 1,2,4,5-tetrafluoro- | C6H2F4 | 1,2,4,5-Tetrafluorobenzene; 2,3,5,6-Tetrafluorobenzene | 327-54-8 | 9.39 |
| 74 | Benzene, 1,2,3,4-tetrafluoro- | C6H2F4 | 1,2,3,4-Tetrafluorobenzene; 2,3,4,5-Tetrafluorobenzene | 551-62-2 | 9.61 |
| 75 | Benzene, 1,2,4,5-tetramethyl- | C10H14 | Durene; Durol; 1,2,4,5-Tetramethylbenzene; p-Xylene, 2,5-dimethyl- | 95-93-2 | 8.03 |
| 76 | Benzene, 1,2,3-trimethyl- | C9H12 | Hemimellitene; 1,2,3-Trimethylbenzene; Hemellitil; 1,2,3-Trimethylbenzene; 1,2,3-trimethylbenzene (hemimellitene) | 526-73-8 | 8.48 |
| 77 | Benzene, 1,2,4-trimethyl- | C9H12 | Pseudocumene; Pseudocumol; 1,2,4-Trimethylbenzene; 1,2,5-Trimethylbenzene; 1,3,4-Trimethylbenzene | 95-63-6 | 8.27 |
| 78 | Benzenethiol | C6H6S | Benzenethiol; Thiophenol; Phenyl mercaptan; Mercaptobenzene | 108-98-5 | 8.3 |
| 79 | Benzonitrile | C7H5N | Benzene, cyano-; Benzoic acid nitrile; Cyanobenzene; Phenyl cyanide; Benzenenitrile; Fenylkyanid | 100-47-0 | 9.73 |
| 80 | Benzyl alcohol | C7H8O | Benzenemethanol; α -Hydroxytoluene; α -Ioluenol; (Hydroxymethyl)benzene; Benzenecarbinol; Phenylcarbinol; Phenylmethanol; Phenylmethyl alcohol; Methanol, phenyl-; Hydroxytoluene; Bentalol; Benzoyl alcohol; Benzenmethanol; Benzylic alcohol; Methanol benzene | 100-51-6 | 9.23 |
| 81 | Benzyl chloride | C7H7Cl | Benzene, (chloromethyl)-; Toluene, α -chloro-; α -Chlorotoluene; ω -Chlorotoluene; (Chloromethyl)benzene; Chlorophenylmethane | 100-44-7 | 9.1 |

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| 82 | Biphenyl | C12H10 | 1,1'-Biphenyl; Bibenzene; Diphenyl; Phenylbenzene; 1,1'-Diphenyl; Lemonene; Phenador-X; PhPh; Xenene | 92-52-4 | 8.16 |
| 83 | Bromine | Br2 | Brom; Brome; Bromo; Broom; Dibromine | 7726-95-6 | 10.52 |
| 84 | Bromobenzene | C6H5Br | Bromobenzene; Monobromobenzene; Phenyl bromide; 1-Bromobenzene | 108-86-1 | 9 |
| 85 | p-Bromofluorobenzene | C6H4BrF | p-Fluorobromobenzene; Benzene, 1-bromo-4-fluoro-; p-Fluorophenyl bromide; 1-Bromo-4-fluorobenzene; 1-Fluoro-4-bromobenzene; 4-Bromofluorobenzene; 4-Fluoro-1-bromobenzene; 4-Fluorobromobenzene; 4-Fluorophenyl bromide; 4-Bromo-1-fluorobenzene | 460-00-4 | 9.02 |
| 86 | 1,2-Butadiene | C4H6 | Allene, methyl-; Methylallene | 590-19-2 | 9.33 |
| 87 | 1,3-Butadiene | C4H6 | α,γ -Butadiene; Biethylene; Bivinyll; Buta-1,3-diene; Butadiene; Divinyll; Erythrene; Pyrrolylene; Vinylethylene | 106-99-0 | 9.07 |
| 88 | 1,3-Butadiene, 2-chloro- | C4H5Cl | Chloroprene; 2-Chloro-1,3-butadiene; 2-Chlorobutadiene; 2-Chlorobuta-1,3-diene; β -Chloroprene; Chlorobutadiene; Chloropren; Cloroprene; Neoprene | 126-99-8 | 8.83 |
| 89 | 1,3-Butadiene, 2,3-dimethyl- | C6H10 | Biisopropenyl; Diisopropenyl; 2,3-Dimethyl-1,3-butadiene; 2,3-Dimethylbuta-1,3-diene; 2,3-Dimethylbutadiene | 513-81-5 | 8.71 |
| 90 | 2,3-Butadione | C4H6O2 | Biacetyl; Butane-2,3-dione; Butanedione; Diacetyl; Dimethyl diketone; Dimethyl glyoxal; 2,3-Butadione; 2,3-Diketobutane | 431-03-8 | 9.57 |
| 91 | Butanal | C4H8O | Butyraldehyde; n-Butanal; n-Butyl aldehyde; n-Butyraldehyde; Butal; Butaldehyde; Butanaldehyde; Butyl aldehyde; Butyral; Butyric aldehyde; Butyrylaldehyde | 123-72-8 | 9.82 |
| 92 | Butanal, 3-methyl- | C5H10O | Isovaleraldehyde; β -Methylbutanal; Isopentanal; Isovaleral; Isovaleric aldehyde; Isovalerylaldehyde; 3-Methylbutan-1-al; 3-Methylbutanal; 3-Methylbutyraldehyde | 590-86-3 | 9.72 |
| 93 | Butanal, 2-methyl- | C5H10O | Butyraldehyde, 2-methyl-; α -Methylbutanal; 2-Formylbutane; 2-Methylbutanal; 2-Methylbutyraldehyde; 2-Methylbutyric aldehyde; | 96-17-3 | 9.59 |
| 94 | 1-Butanamine | C4H11N | Butylamine; n-Butylamine; Mono-n-butylamine; Monobutylamine; Norvalamine; 1-Aminobutane; 1-Butylamine | 109-73-9 | 8.73 |
| 95 | 1-Butanamine, N-butyl- | C8H19N | Dibutylamine; Di-n-butylamine; N-Dibutylamine | 111-92-2 | 7.69 |
| 96 | Butane | C4H10 | n-Butane; Diethyl; Methylene(methane) | 106-97-8 | 10.53 |
| 97 | Butane, 1-bromo- | C4H9Br | n-Butyl bromide; Butyl bromide; 1-Bromobutane | 109-65-9 | 10.13 |
| 98 | Butane, 2-bromo- | C4H9Br | sec-Butyl Bromide; Methylene(methane)bromide; 2-Bromobutane; 2-Butyl bromide | 78-76-2 | 10.01 |
| 99 | Butane, 1,4-dibromo- | C4H8Br2 | Tetramethylene dibromide; 1,4-Dibromobutane | 110-52-1 | 10.15 |
| 100 | Butane, 2,2-dimethyl- | C6H14 | Neohexane; 2,2-Dimethylbutane | 75-83-2 | 10.07 |
| 101 | Butane, 2,3-dimethyl- | C6H14 | Biisopropyl; Diisopropyl; 2,3-Dimethylbutane | 79-29-8 | 10.04 |
| 102 | Butane, 2-iodo- | C4H9I | sec-Butyl Iodide; sec-Iodobutane; 2-Butyl Iodide; 2-Iodobutane | 513-48-4 | 9.1 |
| 103 | Butane, 1-iodo- | C4H9I | n-Butyl iodide; Butyl iodide; 1-Iodobutane | 542-69-8 | 9.23 |

| NO. | COUMPOUND | FORMULA | ALTERNATE NAME | CAS # | IE (eV) |
|-----|-----------------------------|---------|---|------------|---------|
| 104 | Butane, 2-methyl- | C5H12 | iso-Pentane; 1,1,2-Trimethylethane; 2-Methylbutane | 78-78-4 | 10.32 |
| 105 | 1-Butanethiol | C4H10S | n-Butanethiol; n-Butyl mercaptan; n-Butyl thioalcohol; Butanethiol; Butyl mercaptan; Thiobutyl alcohol; 1-Butyl mercaptan; Butylthiol | 109-79-5 | 9.14 |
| 106 | Butanoic acid | C4H8O2 | Butyric acid; n-Butanoic acid; n-Butyric acid; Ethylacetic acid; Propylformic acid; 1-Butyric acid; 1-Propanecarboxylic acid; Propanecarboxylic acid; Butanic acid; Buttersaeure; Kyselina maselna; 1-Butanoic acid | 107-92-6 | 10.17 |
| 107 | Butanoic acid, methyl ester | C5H10O2 | Butyric acid, methyl ester; Methyl butanoate; Methyl butyrate; Methyl n-butylate | 623-42-7 | 10.07 |
| 108 | 1-Butanol | C4H10O | Butyl alcohol; n-Butan-1-ol; n-Butanol; n-Butyl alcohol; Butyl hydroxide; CCS 203; Hemostyp; Methylolpropane; Propylcarbinol; Butanol | 71-36-3 | 9.99 |
| 109 | 2-Butanol | C4H10O | sec-Butyl Alcohol; sec-Butanol; CCS 301; Ethyl methyl carbinol; Methyl ethyl carbinol; 1-Methyl-1-propanol; 1-Methylpropyl alcohol; 2-Hydroxybutane | 78-92-2 | 9.88 |
| 110 | 2-Butanone | C4H8O | Butan-2-one; Butanone; Ethyl methyl ketone; Ketone, methyl ethyl; Methyl ethyl ketone; MEK; 3-Butanone; Butanone 2; Ethyl methyl cetone; Ethylmethylketon; Ketone, ethyl methyl; Meetco; Methyl acetone; Metiletilchetone; Metyloetyloketon; 2-Oxobutane; 2-Butanal | 78-93-3 | 9.52 |
| 111 | 2-Butanone, 1-bromo- | C4H7BrO | 1-Bromo-2-butanone; Bromomethyl ethyl ketone; 1-Bromobutanone | 816-40-0 | 9.54 |
| 112 | 2-Butanone, 1-chloro- | C4H7ClO | 1-Chlorobutanone; 1-Chloro-2-butanone; 1-chlorobutan-2-one | 616-27-3 | 9.54 |
| 113 | 2-Butanone, 3,3-dimethyl- | C6H12O | tert-Butyl methyl ketone; Methyl tert-butyl ketone; Pinacolin; Pinacolone; Pinacolone; 2,2-Dimethyl-3-butanone; 2,2-Dimethylbutanone; 3,3-Dimethyl-2-butanone; 3,3-Dimethylbutanone | 75-97-8 | 9.14 |
| 114 | 2-Butanone, 3-methyl- | C5H10O | Isopropyl methyl ketone; Ketone, isopropyl methyl; Methyl butanone-2; Methyl isopropyl ketone; 3-Methyl-2-butanone | 563-80-4 | 9.31 |
| 115 | 2-Butenal, (E)- | C4H6O | Crotonaldehyde, (E)-; (E)-Crotonaldehyde; trans-Crotonaldehyde; trans-2-Butenal; (E)-2-Butenal | 123-73-9 | 9.73 |
| 116 | 2-Butenal, (Z)- | C4H6O | Crotonaldehyde, (Z)-; cis-Crotonaldehyde; (Z)-2-Butenal; (Z)-2-Butenal; (Z)-Crotonaldehyde; Crotonaldehyde | 15798-64-8 | 9.75 |
| 117 | 1-Butene | C4H8 | α -Butene; α -Butylene; But-1-ene; Butene-1; Ethylethylene; 1-Butylene | 106-98-9 | 9.55 |
| 118 | 2-Butene, (E)- | C4H8 | (E)-2-Butene; trans-Butene; trans-1,2-Dimethylethylene; trans-2-Butene | 624-64-6 | 9.1 |
| 119 | 2-Butene, (Z)- | C4H8 | (Z)-2-Butene; cis-Butene; cis-2-Butylene; cis-1,2-Dimethylethylene; cis-2-Butene | 590-18-1 | 9.11 |
| 120 | 2-Butene, 2,3-dimethyl- | C6H12 | Tetramethylethylene; 1,1,2,2-Tetramethylethylene; 2,3-Dimethyl-2-butene; 2,3-Dimethylbut-2-ene; 2,3-Dimethylbutene-2 | 563-79-1 | 8.27 |

| NO. | COUMPOUND | FORMULA | ALTERNATE NAME | CAS # | IE (eV) |
|-----|--------------------------------|----------|--|------------------------|---------|
| 121 | 3-Butenenitrile | C4H5N | β -Butenenitrile; Allyl cyanide; Allylnitrile; Propene-3-nitrile; Vinylacetonitrile; 1-Butene-4-nitrile; 3-Butenenitrile; 3-Butenylnitrile; 3-Cyano-1-propene; 3-Cyanopropene | 109-75-1 | 10.2 |
| 122 | sec-Butyl acetate | C6H12O2 | Acetic acid, 1-methylpropyl ester; Acetic acid, sec-butyl ester; sec-Butyl alcohol acetate; 2-Butyl acetate | 105-46-4 | 9.9 |
| 123 | sec-Butylamine | C4H11N | 2-Butanamine; Butafume; Propylamine, 1-Methyl-; Tutane; 1-Methylpropanamine; 1-Methylpropylamine; 2-Aminobutane; 2-AB; 2-Butylamine | 13952-84-6 | 8.5 |
| 124 | 4-tert-Butyltoluene | C11H16 | benzene, 1-(1,1-dimethylethyl)-4-methyl-; Toluene, p-tert-butyl-; p-tert-Butyltoluene; 1-tert-Butyl-4-Methylbenzene; 1-Methyl-4-tert-butylbenzene; 4-tert-Butyl-1-Methylbenzene; 4-Methyl-tert-butylbenzene; Benzene, 1-methyl-4-tert-butyl-; p-Methyl-tert-butylbenzene; TBT; 4-t-Butyltoluene; 1-(1,1-Dimethylethyl)-4-methylbenzene; p-tert-Butyl toluene | 98-51-1 | 8.28 |
| 125 | 1-Butyne | C4H6 | Butyne-1; Ethylacetylene; Ethylethyne | 107-00-6 | 10.18 |
| 126 | 2-Butyne | C4H6 | But-2-yne; Dimethylacetylene | 503-17-3 | 9.58 |
| | Cannabidiol | C21H30O2 | CBD | 13956-29-1 521-37-9 | 6.18 |
| 127 | Camphor | C10H16O | 1,7,7-Trimethylnorcamphor; 2-Bornanone; 2-Camphanone; 2-Camphonone; Bornane, 2-oxo-; 2-Kamfanon; Kampfer; 2-Keto-1,7,7-trimethylnorcamphane; Matricaria camphor; Norcamphor, 1,7,7-trimethyl-; Alphanon; Borneo camphor; Camphre; bornan-2-one | 76-22-2 | 8.76 |
| 128 | Caprolactam | C6H11NO | | 105-60-2 | 9.07 |
| 129 | Carbon disulfide | CS2 | Carbon bisulfide; Carbon sulfide; Dithiocarbonic anhydride | 75-15-0 | 10.07 |
| 130 | Chloroacetic acid methyl ester | C3H5ClO2 | Methyl chloroacetate, Methyl chloroethanoate | 96-34-4 | 10.3 |
| 131 | 2-Chloroethyl methyl ether | C3H7ClO | Chloroethyl-methyl ether; 2-Methoxyethyl chloride; Ethane, 1-chloro-2-methoxy-; 1-Chloro-2-methoxyethane; Methyl 2-chloroethyl ether | 627-42-9 | 10.05 |
| 132 | (Z)-1-Chloro-2-fluoroethene | C2H2ClF | cis-1-Chloro-2-fluoroethene | 2268-31-7 | 9.86 |
| 133 | (E)-1-Chloro-2-fluoroethene | C2H2ClF | trans-1-Chloro-2-fluoroethene | 2268-32-8 | 9.87 |
| 134 | Chlorine dioxide | ClO2 | Chlorine oxide; Chlorine peroxide | 10049-04-4 | 10.35 |
| 135 | p-Cresol | C7H8O | Phenol, 4-methyl-; p-Hydroxytoluene; p-Kresol; p-Methylhydroxybenzene; p-Methylphenol; p-Oxytoluene; p-Toluol; p-Tolyl alcohol; 1-Hydroxy-4-methylbenzene; 4-Cresol; 4-Hydroxytoluene; 4-Methylphenol; 1-Methyl-4-hydroxybenzene; Paracresol | 106-44-5 | 8.34 |
| 136 | Cyclobutane | C4H8 | Tetramethylene | 287-23-0 | 9.8 |
| 137 | Cyclohexane | C6H12 | Benzene, hexahydro-; Hexahydrobenzene; Hexamethylene; Hexanaphthene; Cicloesano; Cykloheksan | 110-82-7 | 9.88 |

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|-----|----------------------------------|-----------|--|------------|---------|
| 138 | Cyclohexanol | C6H12O | Cyclohexyl alcohol; Adronal; Adronol; Anol; Hexahydrophenol; Hexalin; Hydroxycyclohexane; Naxol; Phenol, hexahydro-; 1-Cyclohexanol; Cyclohexane, hydroxy-; Hydralin; Cicloesanol; Cykloheksanol; | 108-93-0 | 9.75 |
| 139 | Cyclohexanone | C6H10O | Hvdrophenol Anon; Anone; Hexanon; Hytrol O; Nadone; Pimelic ketone; Pimelin ketone; Sextone; Ketoexamethylene; Cicloesanone; Cyclohexanon; | 108-94-1 | 9.16 |
| 140 | Cyclohexene | C6H10 | Cykloheksanon Benzene tetrahydride; Benzene, tetrahydro-; Cyclohex-1-ene; Tetrahydrobenzene; 1,2,3,4-Tetrahydrobenzene; Cykloheksen; | 110-83-8 | 8.95 |
| 141 | Cyclohexene, 4-ethenyl- | C8H12 | Hexanaphthylene Cyclohexene, 4-vinyl-; 1-Vinyl-3-cyclohexene; 4-Vinyl-1-cyclohexene; 4-Vinylcyclohexene; 4-Ethenylcyclohexene; Vinylcyclohexene; Butadiene dimer; Cyclohexenylethylene; 4-Ethenyl-1-cyclohexene; 1,2,3,4-Tetrahdrostvrene | 100-40-3 | 8.93 |
| 142 | Cyclohexylamine | C6H13N | Cyclohexanamine; Aminocyclohexane; Aminohexahydrobenzene; Benzenamine, hexahydro-; Hexahydroaniline; Hexahydrobenzenamine | 108-91-8 | 8.4 |
| 143 | 1,3,5,7-Cyclooctatetraene | C8H8 | [8]Annulene; Cyclooctatetraene | 629-20-9 | 8.43 |
| 144 | 1,3-Cyclopentadiene | C5H6 | Cyclopentadiene; Pentole; Pyropentylene; R-Pentine | 542-92-7 | 8.57 |
| 145 | Cyclopentane | C5H10 | Pentamethylene | 287-92-3 | 10.33 |
| 146 | Cyclopentanone | C5H8O | Adipic ketone; Adipinketon; Dumasin; Ketocyclopentane; Ketopentamethylene | 120-92-3 | 9.26 |
| 147 | Cyclopentene | C5H8 | | 142-29-0 | 9.01 |
| 148 | Cyclopropane | C3H6 | Trimethylene | 75-19-4 | 9.86 |
| 149 | Cyclopropene | C3H4 | | 2781-85-3 | 9.67 |
| 150 | Decaborane(14) | B10H14 | Boron hydride (B10H14); Decaborane; Boron hydride; Decaborane (B10H14); Tetradecahydrodecaborane; nido-Decaborane(14) | 17702-41-9 | 9.88 |
| 151 | Decane | C10H22 | n-Decane | 124-18-5 | 9.65 |
| 152 | 2-Decanone | C10H20O | Decan-2-one; Methyl octyl ketone | 693-54-9 | 9.4 |
| 153 | 1-Decene | C10H20 | n-1-Decene; Dec-1-ene; 1-C10H20; Decylene; α -Decene; 1-n-Decene; Decene-1; Neodene 10 | 872-05-9 | 9.42 |
| 154 | Dichloroacetic acid methyl ester | C3H4Cl2O2 | Methyl dichloroacetate | 116-54-1 | 10.44 |
| 155 | Dicyclopentadiene | C10H12 | Bicyclopentadiene; Cyclopentadiene dimer | 77-73-6 | 8.79 |
| 156 | Diethyl disulfide | C4H10S2 | Disulfide, diethyl; Ethyl disulfide; Ethyldithioethane; 3,4-Dithiahexane; Diethyl disulphide | 110-81-6 | 8.77 |
| 157 | Diethyl sulfide | C4H10S | Ethyl sulfide; Diethyl thioether; Ethyl monosulfide; Ethyl thioether; Ethylthioethane; Thioethyl ether; 3-Thiapentane; 1,1'-Thiobisethane; Diethyl sulphide | 352-93-2 | 8.42 |
| 158 | N,N-Diethyl-2-aminoethanol | C6H15NO | (Diethylamino)ethanol; DEAE; Ethanol, 2-(diethylamino)- | 100-37-8 | 8.58 |
| 159 | Difluoromethyl benzene | C7H6F2 | (Difluoromethyl)benzene | 455-31-2 | 9.45 |

| NO. | COUMPOUND | FORMULA | ALTERNATE NAME | CAS # | IE (eV) |
|-----|--------------------------|----------|--|------------|---------|
| 160 | Dihydrogen selenide | H2Se | Hydrogen selenide | 7783-07-5 | 9.89 |
| 161 | Dihydrogen telluride | H2Te | Hydrogen telluride | 7783-09-7 | 9.2 |
| 162 | Diisopropyl ether | C6H14O | Isopropyl ether; Diisopropyl oxide; 2-Isopropoxypropane; Diisopropyl ether | 108-20-3 | 9.2 |
| 163 | Diisopropylamine | C6H15N | 2-Propanamine, N-(1-methylethyl)-; (iso-C3H7)2NH; N-Isopropyl-1-amino-2-methylethane; N-(1-Methylethyl)-2-propanamine | 108-18-9 | 7.6 |
| 164 | N,N-Dimethylacetamide | C4H9NO | Acetamide, N,N-dimethyl-; Acetdimethylamide; Dimethylacetamide; Dimethylamide acetate; DMA | 127-19-5 | 9.2 |
| 165 | Dimethylamine | C2H7N | Methanamine, N-methyl-; N-Methylmethanamine | 124-40-3 | 8.24 |
| 166 | Dimethyl ether | C2H6O | Methane, oxybis-; Methyl ether; Methoxymethane; Wood ether; Oxybismethane | 115-10-6 | 10.03 |
| 167 | 3,5-Dimethyl-4-heptanone | C9H18O | 4-Heptanone, 3,5-dimethyl-; 3,5-dimethylheptan-4-one | 19549-84-9 | 9.04 |
| 168 | Dimethyl phthalate | C10H10O4 | 2-Benzenedicarboxylic acid, dimethyl ester; Phthalic acid, dimethyl ester; Avolin; Dimethyl 1,2-benzenedicarboxylate; DMP; Fermine; NTM; Dimethyl benzeneorthodicarboxylate; Dimethyl orthophthalate; Dimethyl benzene-o-dicarboxylate; Dimethyl o-phthalate; Dimethyl 1,2-benzendicarboxylate; 1,2-dimethyl phthalate; 1,2-Benzenedicarboxylic acid, 1,2-dimethyl ester | 131-11-3 | 9.64 |
| 169 | Dimethyl sulfide | C2H6S | Methane, thiobis-; Methyl sulfide; Dimethyl monosulfide; Dimethyl thioether; DMS; Methyl monosulfide; 2-Thiapropane; Dimethyl sulphide; Thiobismethane; Dimethylsulfid;Methyl sulphide; Methylthiomethane; 2-Thiopropane; Methyl thioether; Sulfide, methyl-; Methane, 1,1'-thiobis-; (Methylsulfanyl)methane | 75-18-3 | 8.7 |
| 170 | Dimethyl trisulfide | C2H6S3 | Trisulfide, dimethyl; Methyl trisulfide; 2,3,4-Trithiapentane; Dimethyl trisulphide; 1,3-Dimethyltrisulfane; dimethyl trisufide; DMTS | 3658-80-8 | 8.85 |
| 171 | Di-n-propyl ether | C6H14O | Propyl ether; Dipropyl ether; Dipropyl oxide; n-Propyl ether | 111-43-3 | 9.27 |
| 172 | 1,4-Dioxane | C4H8O2 | p-Dioxane; p-Dioxan; Diethylene dioxide; Diethylene ether; Dioxan; Dioxane; Dioxyethylene ether; 1,4-Diethylene dioxide; 1,4-Dioxan; 1,4-Dioxacyclohexane | 123-91-1 | 9.19 |
| 173 | Diphenyl ether | C12H10O | Phenylether; Phenyl ether, Biphenyl oxide, Diphenyl oxide, Phenoxybenzene | 101-84-8 | 8.09 |
| 174 | Disulfide, dimethyl | C2H6S2 | 2,3-Dithiabutane; Methyl disulfide; (Methyldithio)methane; Dimethyl disulfide; Dimethyl disulphide, Dimethyl sulfide | 624-92-0 | 8.97 |
| 175 | Disulfide, dipropyl | C6H14S2 | Propyl disulfide; Dipropyl disulfide; 4,5-Dithiaoctane; Dipropyl disulphide; (n-C3H7S)2; n-Propyl disulfide; di-n-Propyl disulfide; 1-(Propyldisulfanyl)propane | 629-19-6 | 8.62 |
| 176 | Ethanamine, N-ethyl- | C4H11N | Diethylamine; N,N-Diethylamine | 109-89-7 | 7.9 |
| 177 | Ethane, (chloromethoxy)- | C3H7ClO | Ether, chloromethyl ethyl; (Chloromethyl)ethyl ether; Chloromethoxyethane; Ethoxychloromethane; Ethoxymethyl chloride; Ethyl chloromethyl ether | 3188-13-4 | 10.3 |

| NO. | COUMPOUND | FORMULA | ALTERNATE NAME | CAS # | IE (eV) |
|-----|-------------------------|---------|---|----------|---------|
| 178 | Ethane, (methylthio)- | C3H8S | Sulfide, ethyl methyl; (Methylthio)ethane; Ethyl methyl sulfide; Methyl ethyl sulfide; 2-Thiabutane; Ethyl methyl sulphide | 624-89-5 | 8.55 |
| 179 | Ethane, 1,2-dibromo- | C2H4Br2 | Ethylene bromide; Ethylene dibromide; EDB; Dibromoethane; 1,2-Dibromoethane | 106-93-4 | 10.35 |
| 180 | Ethane, 1,1-dibromo- | C2H4Br2 | Ethylidene dibromide; 1,1-Dibromoethane | 557-91-5 | 10.17 |
| 181 | 1,2-Ethanediol | C2H6O2 | Ethylene glycol; Ethylene alcohol; Glycol; Glycol alcohol; Monoethylene glycol; 1,2-Dihydroxyethane; 2-Hydroxyethanol | 107-21-1 | 10.55 |
| 182 | Ethane, iodo- | C2H5I | Ethyl iodide; Hydriodic ether; Iodoethane; Monoiodoethane | 75-03-6 | 9.35 |
| 183 | Ethane, isothiocyanato- | C3H5NS | Isothiocyanic acid, ethyl ester; Ethyl isothiocyanate; Ethyl mustard oil; Isothiocyanatoethane | 542-85-8 | 9.12 |
| 184 | Ethanethiol | C2H6S | Ethyl hydrosulfide; Ethyl mercaptan; Ethyl sulfhydrate; Ethyl thioalcohol; Mercaptoethane; Thioethanol; Thioethyl alcohol; 1-Mercaptoethane | 75-08-1 | 9.29 |
| 185 | Ethanol | C2H6O | Ethyl alcohol | 64-17-5 | 10.48 |
| 186 | Ethanol, 2-butoxy- | C6H14O2 | Butyl glycol; 2-Butoxy-1-ethanol; 2-Butoxyethanol; 3-Oxa-1-heptanol; Butyl 2-hydroxyethyl ether; 2-Hydroxyethyl n-butyl ether; n-Butoxyethanol; 2-n-Butoxyethanol; Ethylene glycol mono-n-butyl ether; EGBE | 111-76-2 | 10 |
| 187 | Ethene, chloro- | C2H3Cl | Ethylene, chloro-; Chloroethene; Chloroethylene; Monochloroethylene; Vinyl chloride | 75-01-4 | 9.99 |
| 188 | Ethene, 1,1-dichloro- | C2H2Cl2 | Ethylene, 1,1-dichloro-; Vinylidene chloride; 1,1-Dichloroethene; 1,1-Dichloroethylene | 75-35-4 | 9.81 |
| 189 | Ethanol, 2-ethoxy- | C4H10O2 | β -Ethoxyethanol; Cellosolve; Emkanol; Ethyl cellosolve; Ethylene glycol ethyl ether; Ethylene glycol monoethyl ether; 2-Ethoxyethanol | 110-80-5 | 9.97 |
| 190 | Ethene, fluoro- | C2H3F | Ethylene, fluoro-; Fluoroethene; Fluoroethylene; Monofluoroethylene; Vinyl fluoride | 75-02-5 | 10.37 |
| 191 | Ethene, methoxy- | C3H6O | Ether, methyl vinyl; Methoxyethylene; Methyl vinyl ether; Vinyl methyl ether; 1-Methoxyethylene | 107-25-5 | 8.93 |
| 192 | Ethanol, 2-methoxy- | C3H8O2 | β -Methoxyethanol; Ethylene glycol monomethyl ether; Methoxyethanol; MECS; 1-Hydroxy-2-methoxyethane; 2-Methoxy-1-ethanol; 2-Methoxvethanol | 109-86-4 | 10.13 |
| 193 | Ethene, tribromo- | C2HBr3 | Ethylene, tribromo-; Tribromoethylene; 1,1,2-Tribromoethylene; Tribromoethene | 598-16-3 | 9.27 |
| 194 | Ethene, trifluoro- | C2HF3 | Trifluoroethylene; Ethylene, trifluoro-; Ethylene trifluoride; Trifluoroethene | 359-11-5 | 10.14 |
| 195 | Ethyl acetate | C4H8O2 | Acetic acid, ethyl ester; Acetic ether; Acetidin; Acetoxyethane; Ethyl acetic ester; Ethyl ethanoate; Vinegar naphtha | 141-78-6 | 10.01 |
| 196 | Ethyl amine | C2H7N | Ethanamine; Aminoethane; Monoethylamine; 1-Aminoethane | 75-04-7 | 9.5 |
| 197 | Ethyl bromide | C2H5Br | Ethane, bromo-; Bromic ether; Bromoethane; Hydrobromic ether; Monobromoethane; C2H5Br; 1-Bromoethane; Bromure d'ethyle | 74-96-4 | 10.24 |

| NO. | COUMPOUND | FORMULA | ALTERNATE NAME | CAS # | IE (eV) |
|-----|-----------------------------------|----------|---|----------------------|---------|
| 198 | Ethyl ether | C4H10O | Anaesthetic ether; Anesthesia ether; Anesthetic ether; Diethyl ether; Diethyl oxide; Ethoxyethane; Pronarcol | 60-29-7 | 9.51 |
| 199 | Ethylbenzene | C8H10 | Benzene, ethyl-; Ethylbenzol; EB | 100-41-4 | 8.77 |
| 200 | Ethylene | C2H4 | Ethene; Acetene; Bicarburretted hydrogen | 74-85-1 | 10.51 |
| 201 | Ethylenediamine | C2H8N2 | 1,2-Ethanediamine; β -Aminoethylamine; Dimethylenediamine; Ethane-1,2-diamine; 1,2-Diaminoethane; 1,2-Ethylenediamine; Aethaldiamin; Aethylenediamin; 1,2-Diaminoethan; 1,2-Diamino-ethaan; 1,2-Diamino-ethano; Ethyleendiamine; Ethvlendiamine | 107-15-3 | 9.25 |
| 202 | Ethylene, 1,2-dichloro-, (E)- | C2H2Cl2 | Ethene, 1,2-dichloro-, (E)-; (E)-1,2-Dichloroethylene; trans-Di-1,2-Chloroethylene; trans-1,2-Dichloroethene; trans-1,2-Dichloroethylene; trans-Acetylene dichloride | 156-60-5 540-59-0 | 9.64 |
| 203 | Ethylene, 1,2-dichloro-, (Z)- | C2H2Cl2 | Ethene, 1,2-dichloro-, (Z)-; (Z)-1,2-Dichloroethylene; cis-Di-1,2-Chloroethylene; cis-Dichloroethylene; cis-1,2-Dichloroethene; cis-1,2-Dichloroethylene; 1,2-cis-Dichloroethylene; Acetylene dichloride, cis- | 156-59-2 540-59-0 | 9.66 |
| 204 | Ethylene oxide | C2H4O | Oxirane; Dihydrooxirene; Dimethylene oxide; Epoxyethane; Ethene oxide; ETO; Oxacyclopropane; Oxane | 75-21-8 | 10.56 |
| 205 | Ethylenimine | C2H5N | Aziridine; Azacyclopropane; Aziran; Dimethylenimine; Ethyleneimine; EI; Aethylenimin; Azirane; Aziridin; 1H-Azirine, dihydro-; Dihydroazirene; Dihydro-1H-azirine; Dimethyleneimine; Ethyleenimine; Etilenimina | 151-56-4 | 9.2 |
| 206 | Ethyl-trichloromethyl ether | C3H5Cl3O | Trichloromethyl ethyl ether | 98022-37-8 | 10.08 |
| 207 | Formamide | CH3NO | Carbamaldehyde; Methanamide | 75-12-7 | 10.16 |
| 208 | Formamide, N,N-diethyl- | C5H11NO | Diethylformamide; N-Formyldiethylamine; N,N-Diethylformamide | 617-84-5 | 8.89 |
| 209 | Formamide, N,N-dimethyl- | C3H7NO | Dimethylformamide; DMF; DMF (amide); DMFA; N-Formyldimethylamine; N,N-Dimethylformamide | 68-12-2 | 9.13 |
| 210 | Formic acid, 2-methylpropyl ester | C5H10O2 | Formic acid, isobutyl ester; Isobutyl formate; Tetryl formate; 2-Methylpropyl formate; Isobutyl methanoate | 542-55-2 | 10.46 |
| 211 | Formic acid, propyl ester | C4H8O2 | n-Propyl formate; Propyl formate; Propyl methanoate | 110-74-7 | 10.54 |
| 212 | Furan | C4H4O | Divinylene oxide; Furfuran; Oxacyclopentadiene; Oxole; Tetrole; Furane; Furfurane | 110-00-9 | 8.88 |
| 213 | Furan, 2-methyl- | C5H6O | 2-Methylfuran; 5-Methylfuran; Methylfuran | 534-22-5 | 8.39 |
| 214 | Furfural | C5H4O2 | 2-Furancarboxaldehyde; 2-Furaldehyde; Fural; Furaldehyde; Furale; Furanconal; Furfuraldehyde; Furfurole; Pyromucic aldehyde; 2-Formylfuran; 2-Furanaldehyde; 2-Furancarboxal; 2-Furfural; 2-Furfuraldehvdde | 98-01-1 | 9.22 |
| 215 | Heptane | C7H16 | n-Heptane; Dipropylmethane | 142-82-5 | 9.93 |
| 216 | 3-Heptanone | C7H14O | n-Butyl ethyl ketone; Butyl ethyl ketone; Ethyl butyl ketone | 106-35-4 | 9.15 |

| NO. | COUMPOUND | FORMULA | ALTERNATE NAME | CAS # | IE (eV) |
|-----|----------------------------|---------|--|-----------|---------|
| 217 | 2-Heptanone | C7H14O | n-Amyl methyl ketone; n-Pentyl methyl ketone; Amyl methyl ketone; Butylacetone; Heptan-2-one; Methyl amyl ketone; Methyl n-amyl ketone; Methyl n-pentyl ketone; Methyl pentyl ketone; Pentyl methyl ketone | 110-43-0 | 9.27 |
| 218 | 4-Heptanone | C7H14O | Butyrene; Dipropyl ketone; GBL; Propyl ketone | 123-19-3 | 9.1 |
| 219 | 4-Heptanone, 2,6-dimethyl- | C9H18O | Diisobutyl ketone; s-Diisopropylacetone; DIBK; Isobutyl ketone; Isovalerone; 2,6-Dimethyl-4-heptanone | 108-83-8 | 9.01 |
| 220 | n-Hexane | C6H14 | Hexane | 110-54-3 | 10.13 |
| 221 | 2-Hexanone | C6H12O | n-Butyl methyl ketone; Butyl methyl ketone; Hexan-2-one; Methyl butyl ketone; Methyl n-butyl ketone; 2-Oxohexane | 591-78-6 | 9.35 |
| 222 | 1-Hexene | C6H12 | Hexene-1; 1-n-Hexene | 592-41-6 | 9.44 |
| 223 | Hydrazine | H4N2 | Levoxine; Diamine; Hydrazyna | 302-01-2 | 8.1 |
| 224 | Hydrazine, methyl- | C2H6N2 | Methylhydrazine; Monomethylhydrazine; MMH; Hydrazomethane; 1-Methylhydrazine | 60-34-4 | 7.7 |
| 225 | Hydrazine, 1,1-dimethyl- | C2H8N2 | as-Dimethylhydrazine; Dimazin; Dimazine; Hydrazine, N,N-dimethyl-; N,N-Dimethylhydrazine; UDMH; 1,1-Dimethylhydrazine | 57-14-7 | 7.29 |
| 226 | Hydrazine, phenyl- | C6H8N2 | Hydrazinobenzene; Monophenylhydrazine; Phenylhydrazine; Fenilidrazina; Fenylhydrazine; Phenylhydrazin; 1-Phenylhydrazin | 100-63-0 | 7.86 |
| 227 | Hydrogen sulfide | H2S | Dihydrogen monosulfide; Dihydrogen sulfide; Hydrosulfuric acid; Stink damp; Sulfur hydride; Sulfureted hydrogen | 7783-06-4 | 10.46 |
| 228 | Hydroquinone | C6H6O2 | 1,4-Benzenediol; p-Benzenediol; p-Dihydroxybenzene; p-Dioxybenzene; p-Hydroquinone; p-Hydroxyphenol; Tequinol; 1,4-Dihydroxy-benzen; 1,4-Dihydroxy-benzol; 1,4-Dihydroxybenzen; 1,4-Diidrobenzene; Dihydroquinone; Aida; Eldopacque; Eldopaque forte; Eldoquin forte; Solaquin forte; p-Dihydroquinone | 123-31-9 | 7.94 |
| 229 | Indole | C8H7N | 1H-Indole; Ketole; 1-Azaindene; 1-Benzazole; 2,3-Benzopyrrole; Benzopyrrole; Indol; 1-H-indol | 120-72-9 | 7.76 |
| 230 | Indole, 3-methyl- | C9H9N | Skatole; 1H-Indole, 3-methyl-; β -Methylindole; Skatole; Skatol; 3-Methylindole; 3-MI; 3-Methyl-1H-indole; 3-Methylindole (skatol); 3-methylindole (skatole); Indole, 3-methyl- (skatole) | 83-34-1 | 7.51 |
| 231 | Iodine | I2 | Eranol; Iode | 7553-56-2 | 9.31 |
| 232 | Isobutyl acetate | C6H12O2 | Acetic acid, 2-methylpropyl ester; Acetic acid, isobutyl ester; β -Methylpropyl ethanoate; 2-Methylpropyl acetate; 2-Methyl-1-propyl acetate | 110-19-0 | 9.97 |
| 233 | iso-Butylamine | C4H11N | 1-Propanamine, 2-methyl-; Monoisobutylamine; Valamine; 1-Amino-2-methylpropane; 2-Methylpropylamine; 3-Methyl-2-propylamine | 78-81-9 | 8.5 |

| NO. | COUMPOUND | FORMULA | ALTERNATE NAME | CAS # | IE (eV) |
|-----|----------------------------|---------|--|-----------|---------|
| 234 | Isophorone | C9H14O | 2-Cyclohexen-1-one, 3,5,5-trimethyl-; α -Isophoron; α -Isophorone; Isoacetophorone; Isoforon; Isophoron; 3,5,5-Trimethyl-2-cyclohexenone; 3,5,5-Trimethylcyclohexen-2-one-1; 3,5,5-Trimethylcyclohex-2-enone; Isoforone; Izoforon; 1,1,3-Trimethyl-3-cyclohexene-5-one; 3,5,5-Trimethyl-2-cyclohexen-1-on; 3,5,5-Trimethyl-2-cyclohexen-1-one; 3,5,5-Trimethyl-2-cyclohexene-1-one; 3,5,5-Trimetil-2-cicloesen-1-one; 3,3,5-Trimethyl-2-cyclohexen-1-one; 3,5,5-trimethylcyclohex-2-en-1-one | 78-59-1 | 9.07 |
| 235 | Isoprene | C5H8 | 1,3-Butadiene, 2-methyl-; β -Methylbiviny; Isopentadiene; 2-Methyl-1,3-butadiene; 2-Methylbutadiene | 78-79-5 | 8.86 |
| 236 | Isopropenyl bromide | C3H5Br | Propene, 2-bromo-; 1-Propene, 2-bromo-; α -Methylvinyl bromide; 2-Bromo-1-propene; 2-Bromopropene; 2-Bromopropylene | 557-93-7 | 9.58 |
| 237 | Isopropyl acetate | C5H10O2 | Acetic acid, 1-methylethyl ester; Acetic acid, isopropyl ester; 2-Acetoxypropane; 2-Propyl acetate | 108-21-4 | 9.99 |
| 238 | Isopropyl Alcohol | C3H8O | 2-Propanol; Dimethylcarbinol; Isopropanol; 1-Methylethyl Alcohol | 67-63-0 | 10.17 |
| 239 | Ketene | C2H2O | Ethenone; Carbomethene | 463-51-4 | 9.62 |
| 240 | Lead, tetramethyl- | C4H12Pb | Plumbane, tetramethyl-; Tetramethyllead; Tetramethylplumbane; Piombo tetra-metile; Tetramethylolovo; TML | 75-74-1 | 8.5 |
| 241 | Mesitylene | C9H12 | Benzene, 1,3,5-trimethyl-; s-Trimethylbenzene; 1,3,5-Trimethylbenzene; sym-Trimethylbenzene; Fleet-X; TMB | 108-67-8 | 8.4 |
| 242 | Methane, bromo- | CH3Br | Bromomethane; Curafume; Embafume; Halon 1001; Haltox; Iscobrome; Methyl bromide; Monobromomethane; Terabol | 74-83-9 | 10.54 |
| 243 | Methane, diazo- | CH2N2 | Azimethylene; Diazomethane; Acomethylene; Diazirine; Diazonium methylide | 334-88-3 | 9.00 |
| 244 | Methane, dibromochloro- | CHBr2Cl | Chlorodibromomethane; Dibromochloromethane | 124-48-1 | 10.59 |
| 245 | Methane, diethoxy- | C5H12O2 | Diethoxymethane; Diethylformal; Ethoxymethyl ethyl ether; Ethylal; Formaldehyde diethyl acetal; 1,1-Diethoxymethane | 462-95-3 | 9.7 |
| 246 | Methane, diiodo- | CH2I2 | Diiodomethane; Methylene diiodide; Methylene iodide | 75-11-6 | 9.46 |
| 247 | Methane, iodo- | CH3I | Iodomethane; Methyl iodide | 74-88-4 | 9.54 |
| 248 | Methane, tribromo | CHBr3 | Bromoform; Methenyl tribromide; Tribromomethane; Bromoforme; Bromoformio | 75-25-2 | 10.5 |
| 249 | Methane, trifluoroiodo- | CF3I | Iodotrifluoromethane; Perfluoromethyl iodide; Trifluoroiodomethane; Trifluoromethyl iodide | 2314-97-8 | 10.4 |
| 250 | Methanethiol | CH4S | Methyl mercaptan; Mercaptomethane | 74-93-1 | 9.44 |
| 251 | 1-Methoxy-2-propyl acetate | C6H12O3 | Propylene glycol 1-methyl ether 2-acetate; 2-Acetoxy-1-methoxypropane; Propyleneglycol monomethyl ether acetate; 1-Methoxy-2-acetoxypropane; 1-Methoxy-2-propanol acetate; 2-(1-Methoxy)propyl acetate; 2-Methoxy-1-methylethyl acetate; PGMEA | 108-65-6 | < 10 |

| NO. | COUMPOUND | FORMULA | ALTERNATE NAME | CAS # | IE (eV) |
|-----|----------------------------|---------|---|------------|---------|
| 252 | Methyl isobutyl ketone | C6H12O | 2-Pentanone, 4-methyl-; Hexone; Isobutyl methyl ketone; Isopropylacetone; MIBK; MIK; 2-Methyl-4-pentanone; 2-Methylpropyl methyl ketone; 4-Methyl-2-oxopentane; 4-Methyl-2-pentanone | 108-10-1 | 9.3 |
| 253 | Methyl isobutyrate | C5H10O2 | Propanoic acid, 2-methyl-, methyl ester; Isobutyric acid, methyl ester; Methyl 2-methylpropanoate; Methyl 2-methylpropionate | 547-63-7 | 9.98 |
| 254 | Methyl methacrylate | C5H8O2 | 2-Propenoic acid, 2-methyl-, methyl ester; Methacrylic acid methyl ester; Diakon; Methyl 2-methyl-2-propenoate; Methyl 2-methylpropenoate; MMA | 80-62-6 | 9.7 |
| 255 | Methylal | C3H8O2 | Methane, dimethoxy-; Dimethyl formal; Anesthenyl; Dimethoxymethane; Formal; Formaldehyde dimethyl acetal; Methoxymethyl methyl ether; Methylene dimethyl ether; Methylene alvcol dimethylvlether | 109-87-5 | 10.42 |
| 256 | Methylamine | CH5N | Methanamine; Aminomethane; Carbinamine; Monomethylamine | 74-89-5 | 8.9 |
| 257 | Methylamine, N,N-dimethyl- | C3H9N | Trimethylamine; Methanamine, N,N-dimethyl-; TMA | 75-50-3 | 7.82 |
| 258 | 2-Methyl-2-butene | C5H10 | 3-Methyl-2-butene, Trimethylethylene, Amylene | 513-35-9 | 8.69 |
| 259 | 3-Methyl-1-butene | C5H10 | Isopropylethylene, 2-Methyl-3-butene, 3-Methyl-1-butene | 563-45-1 | 9.51 |
| 260 | 2-Methyl-1-butene | C5H10 | 1-Isoamylene, 2-Methylbutene-1 | 563-46-2 | 9.12 |
| 261 | Methylcyclohexane | C7H14 | Cyclohexylmethane, Hexahydrotoluene, Toluene hexahydride | 108-87-2 | 9.85 |
| 262 | Methylcyclohexanol | C7H14O | | 25639-42-3 | 9.8 |
| 263 | 4-Methylcyclohexanone | C7H12O | Methylcyclohexanone | 589-92-4 | 9.16 |
| 264 | 4-Methylcyclohexene | C7H12 | | 591-47-9 | 8.91 |
| 265 | Methylcyclopropane | C4H8 | | 594-11-6 | 9.3 |
| 266 | Monoethanolamine | C2H7NO | Ethanol, 2-amino-; Aminoethanol; Colamine; Ethanolamine; Ethylolamine; Glycinol; MEA; 2-Amino-1-Ethanol; 2-Aminoethan-1-ol; 2-Aminoethanol; 2-Hydroxvethanamine; 2-Hydroxvethylamine | 141-43-5 | 8.96 |
| 267 | Morpholine | C4H9NO | Tetrahydro-p-Isoxazine, Diethylene Imidoxide, Diethylene oxamide, Diethylenimide oxide | 110-91-8 | 8.88 |
| 268 | Naphthalene | C10H8 | Albocarbon, Naphthalin, Naphthaline | 91-20-3 | 8.14 |
| 269 | Neopentane | C5H12 | Propane, 2,2-dimethyl-; tert-Pentane; Tetramethylcarbon; Tetramethylmethane; 1,1,1-Trimethylethane; 2,2-Dimethylpropane | 463-82-1 | 10.3 |
| 270 | Nickel tetracarbonyl | C4NiO4 | Nickel carbonyl (Ni(CO)4); Nickel carbonyl (Ni(CO)4), (T-4)-; Nickel carbonyl; Tetracarbonyl nickel; Ni(CO)4; Nickel carbonyle; Nichel tetracarbonile; Nikkeltetracarbonyl; Nickel tetracarbonyle | 13463-39-3 | 8.27 |
| 271 | Nitric oxide | NO | Nitrogen oxide, Nitrogen monoxide | 10102-43-9 | 9.26 |
| 272 | Nitrogen dioxide | NO2 | Nitrogen oxide | 10102-44-0 | 9.59 |
| 273 | Nonane | C9H20 | n-Nonane | 111-84-2 | 9.71 |
| 274 | 5-Nonanone | C9H18O | Butyl ketone, Dibutyl ketone | 502-56-7 | 9.1 |
| 275 | 2-Nonanone | C9H18O | Heptyl methyl ketone, Methyl heptyl ketone | 821-55-6 | 9.32 |
| 276 | Norflurane | C2H2F4 | 1,1,1,2-Tetrafluoroethane; Ethane, 1,1,1,2-tetrafluoro-; Norfluran; 1,2,2,2-Tetrafluoroethane | 811-97-2 | 10.12 |

| NO. | COUMPOUND | FORMULA | ALTERNATE NAME | CAS # | IE (eV) |
|-----|-----------------------------------|---------|--|------------|---------|
| 277 | Octane | C5H12 | n-Octane | 111-65-9 | 9.8 |
| 278 | 3-Octanone | C8H16O | n-Octanone-3; Amyl ethyl ketone; Ethyl amyl ketone; Ethyl n-amyl ketone; Ethyl pentyl ketone; EAK; Octan-3-one; Ethyl n-pentyl ketone; 3-Oxoctane | 106-68-3 | 9.19 |
| 279 | 4-Octanone | C8H16O | Butyl propyl ketone | 589-63-9 | 9.1 |
| 280 | 1-Octene | C8H16 | Octylene | 111-66-0 | 9.43 |
| 281 | Pentaborane(9) | B5H9 | Pentaborane | 19624-22-7 | 9.90 |
| 282 | 1,3-Pentadiene, (E)- | C5H8 | (E)-1,3-Pentadiene; trans-Piperylene; trans-1-Methylbutadiene; trans-1,3-Pentadiene | 2004-70-8 | 8.6 |
| 283 | 1,3-Pentadiene, (Z)- | C5H8 | Z)-1,3-Pentadiene; cis-Piperylene; cis-1-Methylbutadiene; cis-1,3-Pentadiene | 1574-41-0 | 8.62 |
| 284 | Pentanal | C5H10O | Valeraldehyde; n-Pentanal; Valeric acid aldehyde ; Valeral; Valerianic aldehyde; Valeric acid aldehyde; Valeric aldehyde; Valeryl aldehyde | 110-62-3 | 9.82 |
| 285 | Pentane | C5H12 | n-Pentane; Amyl hydride | 109-66-0 | 10.37 |
| 286 | Pentane, 1-bromo- | C5H11Br | n-Amyl bromide; n-Pentyl bromide; Amyl bromide; Pentyl bromide; 1-Bromopentane; 1-Pentyl bromide | 110-53-2 | 10.1 |
| 287 | Pentane, 1-iodo- | C5H11I | n-Amyl iodide; n-Pentyl iodide; Amyl iodide; Pentyl iodide; 1-Iodopentane; 1-Pentyl iodide | 628-17-1 | 9.2 |
| 288 | Pentane, 2-methyl- | C6H14 | Isohexane; 2-Methylpentane | 107-83-5 | 10.12 |
| 289 | Pentane, 3-methyl- | C6H14 | 3-Methylpentane | 96-14-0 | 10.08 |
| 290 | Pentane, 2,2,4-trimethyl- | C8H18 | Isooctane; Isobutyltrimethylmethane; 2,2,4-Trimethylpentane | 540-84-1 | 9.86 |
| 291 | 1-Pentanol | C5H12O | Pentyl alcohol; n-Amyl alcohol; n-Butylcarbinol; n-Pentan-1-ol; n-Pentanol; n-Pentyl alcohol; Amyl alcohol; Amylol; Pentanol; 1-Pentyl alcohol | 71-41-0 | 10.38 |
| 292 | 2-Pentanone | C5H10O | Ethyl acetone, Methyl n-propyl ketone | 107-87-9 | 9.38 |
| 293 | 3-Pentanone | C5H10O | Diethyl ketone; 1,3-Dimethylacetone; DEK; Ethyl ketone; Metacetone; Methacetone; Propione | 96-22-0 | 9.31 |
| 294 | 3-Pentanone, 2,2-dimethyl- | C7H14O | tert-Butyl Ethyl ketone; Ethyl tert-butyl ketone; 2,2-Dimethyl-3-pentanone | 564-04-5 | 8.98 |
| 295 | 3-Pentanone, 2,2,4,4-tetramethyl- | C9H18O | Di-tert-butyl ketone; Hexamethylacetone; Pivalone; 2,2,4,4-Tetramethyl-3-pentanone; 2,2,4,4-Tetramethyl-pentan-3-one | 815-24-7 | 8.65 |
| 296 | 1-Pentene | C5H10 | Propylethylene | 109-67-1 | 9.5 |
| 297 | 3-Penten-2-one, 4-methyl- | C6H10O | Acetone, isopropylidene-; Isobutenyl methyl ketone; Isopropylideneacetone; Mesityl oxide; Methyl isobutenyl ketone; Methyl 2-methyl-1-propenyl ketone; 4-Methyl-3-penten-2-one | 141-79-7 | 9.1 |
| 298 | Perfluoro-1-heptene | C7F14 | 1-Heptene, 1,1,2,3,3,4,4,5,5,6,6,7,7,7-tetradecafluoro-; Tetradecafluoro-1-heptene; Perfluoro heptene-1; Hept-1-ene, perfluoro; perfluorohept-1-ene | 355-63-5 | 10.48 |

| NO. | COUMPOUND | FORMULA | ALTERNATE NAME | CAS # | IE (eV) |
|-----|----------------------------|---------|--|-----------|---------|
| 299 | Perfluoropropyl iodide | C3F7I | n-Heptafluoropropyl iodide ; Heptafluoro-n-propyl iodide; 1-Iodoperfluoropropane; Propane, 1,1,1,2,2,3,3-heptafluoro-3-iodo-; | 754-34-7 | 10.36 |
| 300 | Phenol | C6H6O | Heptafluoro-1-iodopropane; Heptafluoropropyl iodide Carbolic acid, Benzenol, Hydroxybenzene, Oxybenzene, Phenic acid, | 108-95-2 | 8.5 |
| 301 | Phenol, 2-chloro- | C6H5ClO | Phenyl alcohol, Phenyl hydrate, Phenyl hydroxide Phenol, o-chloro-; o-Chlorophenol; 2-Chlorophenol; 2-Hydroxychlorobenzene; o-Chlorophenol; 1-Chloro-2-hydroxybenzene; o-Chlorophenic acid | 95-57-8 | 9.28 |
| 302 | Phenol, 3-methyl- | C7H8O | m-Cresol; m-Cresole; m-Cresylic acid; m-Hydroxytoluene; m-Kresol; m-Methylphenol; m-Oxytoluene; m-Toluol; 1-Hydroxy-3-methylbenzene; 3-Cresol; 3-Hydroxytoluene; 3-Methylphenol | 108-39-4 | 8.29 |
| 303 | Phenol, 2-methyl- | C7H8O | o-Cresol; o-Hydroxytoluene; o-Methylphenol; o-Methylphenylol; o-Oxytoluene; 1-Hydroxy-2-methylbenzene; 2-Cresol; 2-Hydroxytoluene; 2-Methylphenol; Orthocresol; o-Kresol | 95-48-7 | 8.46 |
| 304 | Phosphine | PH3 | Trihydrogen phosphide, Hydrogen phosphide, Phosphorus trihydride | 7803-51-2 | 10.1 |
| 305 | Phosphorus trichloride | Cl3P | Phosphorus chloride; Trichlorophosphine | 7719-12-2 | 9.90 |
| 306 | α -Pinene | C10H16 | Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-; 2-Pinene; 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene; Pinene, α | 80-56-8 | 8.07 |
| 307 | β -Pinene | C10H16 | Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-; 2(10)-Pinene; Nopinene; Nopinene | 127-91-3 | 8.07 |
| 308 | Propanal | C3H6O | Propionaldehyde; Methylacetaldehyde; Propaldehyde; Propional; Propionic aldehyde; n-Propanal | 123-38-6 | 9.96 |
| 309 | Propanal, 2-methyl- | C4H8O | Isobutyraldehyde; α -Methylpropionaldehyde; Isobutanal; Isopropylaldehyde; Isopropylformaldehyde; 2-Methylpropanal; 2-Methylpropionaldehyde | 78-84-2 | 9.72 |
| 310 | 2-Propanamine | C3H9N | Isopropylamine; sec-Propylamine; Monoisopropylamine; 1-Methylethylamine; 2-Aminopropane; 2-Propylamine; tert-Butylamine; Trimethylaminomethane; 1,1-Dimethylethylamine; 2-Amino-2-Methylpropane; 2-Aminoisobutane; 2-Methyl-2-aminopropane; 2-Methyl-2-propylamine | 75-31-0 | 8.6 |
| 311 | 2-Propanamine, 2-methyl- | C4H11N | Dipropylamine; Di-n-propylamine; N-Dipropylamine; (n-C3H7)2NH; N-Propyl-1-propanamine | 75-64-9 | 8.5 |
| 312 | 1-Propanamine, N-propyl- | C6H15N | | 142-84-7 | 8.6 |
| 313 | Propane, 1-bromo- | C3H7Br | n-Propyl bromide; Propyl bromide; 1-Bromopropane | 106-94-5 | 10.18 |
| 314 | Propane, 2-bromo- | C3H7Br | Isopropyl bromide; 2-Bromopropane | 75-26-3 | 10.1 |
| 315 | Propane, 2-bromo-2-methyl- | C4H9Br | tert-Butyl bromide; Trimethylbromomethane; 2-Bromo-2-methylpropane | 507-19-7 | 9.92 |
| 316 | Propane, 1-bromo-2-methyl- | C4H9Br | Isobutyl bromide; 1-Bromo-2-methylpropane | 78-77-3 | 10.09 |
| 317 | Propane, 1,3-dibromo- | C3H6Br2 | Trimethylene bromide; Trimethylene dibromide; 1,3-Dibromopropane | 109-64-8 | 10.07 |
| 318 | Propane, 1-iodo- | C3H7I | n-Propyl iodide; Propyl iodide; 1-Iodopropane | 107-08-4 | 9.26 |
| 319 | Propane, 2-iodo- | C3H7I | Isopropyl iodide; sec-Propyl iodide; 2-Iodopropane | 75-30-9 | 9.19 |

| NO. | COUMPOUND | FORMULA | ALTERNATE NAME | CAS # | IE (eV) |
|-----|------------------------------|----------|---|-----------|---------|
| 320 | Propane, 1-iodo-2-methyl- | C4H9I | Isobutyl iodide; 1-Iodo-2-methylpropane | 513-38-2 | 9.18 |
| 321 | Propane, 2-methoxy-2-methyl- | C5H12O | Methyl t-butyl ether; MTBE; Ether, tert-butyl methyl; tert-Butyl methyl ether; Methyl tert-butyl ether; 2-Methoxy-2-methylpropane; 2-Methyl-2-methoxypropane | 1634-04-4 | 9.48 |
| 322 | 1-Propanethiol, 2-methyl- | C4H10S | Isobutyl mercaptan; 1-Isobutanethiol; 2-Methyl-1-propanethiol; iso-C4H9SH; Isobutanethiol; 2-Methyl-1-propylthiol; 2-Methyl propanethiol; 2-methylpropane-1-thiol | 513-44-0 | 9.12 |
| 323 | 2-Propanethiol, 2-methyl- | C4H10S | tert-Butanethiol; tert-Butylmercaptan; tert-Butylthiol; 1,1-Dimethylethanethiol; 2-Isobutanethiol; 2-Methyl-2-propanethiol, t-Butyl mercaptan | 75-66-1 | 9.03 |
| 324 | Propanoic acid, ethyl ester | C5H10O2 | Propionic acid, ethyl ester; Ethyl propanoate; Ethyl propionate; Propionic ester; Propionic ether | 105-37-3 | 10 |
| 325 | 1-Propanol | C3H8O | Propyl alcohol; n-Propan-1-ol; n-Propanol; n-Propyl alcohol; Ethylcarbinol; Optal; Osmosol extra; Propanol; Propylic alcohol; 1-Propyl alcohol | 71-23-8 | 10.22 |
| 326 | 2-Propanol, 1-methoxy- | C4H10O2 | 1-Methoxy-2-hydroxypropane; 1-Methoxy-2-propanol; 2-Methoxy-1-methylethanol; PGME; Closol; Methoxyisopropanol | 107-98-2 | N/A |
| 327 | 2-Propanol, 2-methyl- | C4H10O | tert-Butyl alcohol; tert-Butanol; Ethanol, 1,1-Dimethyl-; Trimethylcarbinol; Trimethylmethanol; 1,1-Dimethylethanol; 2-Methyl-2-propanol | 75-65-0 | 9.9 |
| 328 | 1-Propanol, 2-methyl- | C4H10O | Isobutyl alcohol; Isobutanol; Isopropylcarbinol; 2-Methyl-1-propanol; i-Butyl alcohol; Isopropyl carbitol; Propanol, 2-methyl-; 2-methyl-1-propanyl alcohol; i-Butanol | 78-83-1 | 10.02 |
| 329 | 2-Propanone, 1,1-dichloro- | C3H4Cl2O | α,α -Dichloroacetone; Dichloromethyl methyl ketone; 1,1-Dichloro-2-propanone; 1,1-Dichloroacetone; DCP; 1,1-Dichloropropanone | 513-88-2 | 9.71 |
| 330 | Propargyl alcohol | C3H4O | 2-Propyn-1-ol; Ethynyl carbinol; Propynyl alcohol; 1-Hydroxy-2-propyne; 1-Propyn-3-ol; 2-Propynol; 2-Propynyl alcohol; 3-Hydroxy-1-propyne; 1-Propyne-3-ol; 3-Propynol; prop-2-yn-1-ol; Methanol, ethynyl-; Rcra waste number P102; 1-Propyn-3-yl alcohol | 107-19-7 | 10.5 |
| 331 | 2-Propenal | C3H4O | Acrolein; Acrylaldehyde; Acrylic Aldehyde; Allyl aldehyde; Aqualin; Propenal; 2-Propen-1-one | 107-02-8 | 10.1 |
| 332 | 2-Propenamide | C3H5NO | Acrylamide; Ethylenecarboxamide; Propenamide | 79-06-1 | 10.0 |
| 333 | 2-Propen-1-amine | C3H7N | Allylamine; Monoallylamine; 3-Amino-1-propene; 3-Aminopropene; 3-Aminopropylene | 107-11-9 | 8.8 |
| 334 | Propene | C3H6 | Propylene; 1-Propene; Methylethylene; 1-Propylene | 115-07-1 | 9.73 |
| 335 | 1-Propene, 1-bromo- | C3H5Br | 1-Propenyl bromide; Propene, 1-bromo-; 1-Bromo-1-propene; 1-Bromopropene; Propenyl bromide; 1-Bromopropylene | 590-14-7 | 9.3 |
| 336 | 1-Propene, 3-bromo- | C3H5Br | Propene, 3-bromo-; Allyl bromide; 1-Bromo-2-propene; 2-Propenyl bromide; 3-Bromo-1-propene; 3-Bromopropene; 3-Bromopropylene | 106-95-6 | 9.96 |

| NO. | COUMPOUND | FORMULA | ALTERNATE NAME | CAS # | IE (eV) |
|-----|--------------------------------|---------|---|------------|---------|
| 337 | 1-Propene, 2,3-dichloro- | C3H4Cl2 | Propene, 2,3-dichloro-; 2-Chloroallyl chloride; 2,3-Dichloro-1-propene; 1,2-Dichloro-2-propene; 2,3-Dichloro-1-propene | 78-88-6 | 9.82 |
| 338 | Propene, hexafluoro- | C3F6 | 1-Propene, 1,1,2,3,3,3-hexafluoro-; Hexafluoropropene; Hexafluoropropylene; Perfluoro-1-propene; Perfluoropropene; Perfluoropropylene; 1,1,2,3,3,3-Hexafluoro-1-propene | 116-15-4 | 10.6 |
| 339 | 1-Propene, 1,3-dichloro-, (E)- | C3H4Cl2 | Propene, 1,3-dichloro-, (E)-; (E)-1,3-Dichloropropene; trans-1,3-Dichloro-1-Propene; trans-1,3-Dichloropropene; trans-1,3-Dichloropropylene | 10061-02-6 | < 10 |
| 340 | 1-Propene, 1,3-dichloro-, (Z)- | C3H4Cl2 | cis-1,3-Dichloro-1-Propene; Propene, 1,3-dichloro-, (Z)-; (Z)-1,3-Dichloropropene; cis-1,3-Dichloropropene; cis-1,3-Dichloropropylene | 10061-01-5 | < 10 |
| 341 | 1-Propene, 2-methyl- | C4H8 | Propene, 2-methyl-; γ -Butylene; Isobutene; Isobutylene; Isopropylidenemethylene; 1,1-Dimethylethylene; 2-Methyl-1-propene; 2-Methylpropene | 115-11-7 | 9.23 |
| 342 | 2-Propenoic acid, ethyl ester | C5H8O2 | Acrylic acid ethyl ester; Ethyl acrylate; Ethyl propenoate; Ethyl 2-propenoate | 140-88-5 | 10.3 |
| 343 | 2-Propen-1-ol | C3H6O | Allyl alcohol; Allylic alcohol; Shell Unkrauttod A; Vinylcarbinol; 1-Propen-3-ol; 2-Propenol; 2-Propenyl alcohol; 3-Hydroxypropene | 107-18-6 | 9.7 |
| 344 | Propionic acid | C3H6O2 | Propionic acid; Carboxyethane; Ethancarboxylic acid; Ethylformic acid; Luprisol; Luprosil; Metacetic acid; Prozoïn; Pseudoacetic acid | 79-09-4 | 10.44 |
| 345 | 2-Propenoic acid, methyl ester | C4H6O2 | Acrylic acid methyl ester; Methoxycarbonylethylene; Methyl acrylate; Methyl propenoate; Methyl 2-propenoate; Methyl propenate; Acrylate de methyle; Acrylsaeuremethylester; Methyl-acrylat; Methylacrylaat; Metilacrilato; Methylester kyseliny akrylove; Methyl prop-2-enoate; Methyl ester of 2-propenoic acid; Methyl ester acrylic acid | 96-33-3 | 9.9 |
| 346 | n-Propyl acetate | C5H10O2 | 1-Acetoxypropane, Acetic acid n-propyl ester, n-Propyl ethanoate, Propyl ethanoate | 109-60-4 | 10.04 |
| 347 | Propyl mercaptan | C3H8S | 1-Propanethiol; n-Propyl mercaptan; Propanethiol; 1-Propyl mercaptan | 107-03-9 | 9.2 |
| 348 | Propyl sulfide | C6H14S | Dipropyl sulfide; Dipropyl thioether; Propyl monosulfide; 4-Thiaheptane; n-Propyl sulfide; di-n-Propyl sulfide | 111-47-7 | 8.34 |
| 349 | Propylamine | C3H9N | 1-Propanamine; n-Propylamine; Mono-n-propylamine; Monopropylamine; Propanamine; 1-Aminopropane; 1-Propylamine | 107-10-8 | 8.78 |
| 350 | Propylene oxide | C3H6O | Epoxypropane, Methyloxirane, Propene oxide, Propylene epoxide; 1,2-Epoxypropane; 1,2-Propylene oxide; 2,3-Epoxypropane; 3-Methyl-1,2-epoxypropane; 2-Methyloxiran | 75-56-9 | 10.22 |
| 351 | Propyne | C3H4 | Methylacetylene, Allylene, Propine | 74-99-7 | 10.36 |
| 352 | Pyridine | C5H5N | Azabenzene, Azine, Piridina, Pirydyna, Pyridin | 110-86-1 | 9.26 |

| NO. | COMPOUND | FORMULA | ALTERNATE NAME | CAS # | IE (eV) |
|-----|------------------------------|-----------|--|------------|---------|
| 353 | Pyridine, 3-methyl- | C6H7N | 3-Picoline; β -Methylpyridine; β -Picoline; m-Picoline; 3-Methylpyridine; meta-Methylpyridine; beta-Picoline; 5-Methylpyridine; m-Methylpyridine | 108-99-6 | 9.0 |
| 354 | 2-Pyrrolidinone, 1-methyl- | C5H9NO | M-Pyrol; N-Methyl- α -pyrrolidinone; N-Methyl-2-pyrrolidone; N-Methylpyrrolidinone; NMP; 1-Methyl-2-Pyrrolidinone; 1-Methyl-5-pyrrolidinone; 1-Methylpyrrolidinone; 2-Pyrrolidone, 1-methyl-; N-Methylpyrrolid-2-one; Methylpyrrolidone | 872-50-4 | 9.17 |
| 355 | Silane, tetramethyl- | C4H12Si | Tetramethylsilane; Silicon, tetramethyl-; Tetramethylsilane | 75-76-3 | 9.80 |
| 356 | Stibine | H3Sb | | 7803-52-3 | 9.4 |
| 357 | Styrene | C8H8 | Ethenylbenzene, Phenylethene, Phenylethylene, Styrolene | 100-42-5 | 8.46 |
| 358 | Sulfur monochloride | Cl2S2 | Disulfur dichloride; Chlorosulfane; Sulfur chloride; Sulfur subchloride; Thiosulfurous dichloride; | 10025-67-9 | 9.66 |
| 359 | Tetrachloroethylene | C2Cl4 | Ethylene, tetrachloro-; Ethylene tetrachloride; Perchloroethylene; Perchloroethylene; Tetrachloroethylene; Tetrachloroethene; 1,1,2,2-Tetrachloroethylene | 127-18-4 | 9.32 |
| 360 | Tetraethyl silicate | C8H20O4Si | Ethyl orthosilicate; Silane, tetraethoxy-; Silicon ethoxide; Silicon tetraethoxide; Tetraethoxysilane; Tetraethyl orthosilicate; TEOS | 78-10-4 | 9.77 |
| | Tetrahydrocannabinol | C21H30O2 | THC | 56282-24-7 | 6.03 |
| 361 | Tetrahydrofuran | C4H8O | THF, Cyclotetramethylene oxide, Furanidine, Oxacyclopentane, Oxolane, Tetramethylene oxide | 109-99-9 | 9.54 |
| 362 | Tetrahydropyran | C5H10O | Oxacyclohexane; Oxane; 2H-Pyran, tetrahydro-; Pentamethylene oxide; Tetrahydro-2H-pyran; THP | 142-68-7 | 9.26 |
| 363 | Thiophene | C4H4S | Thiacyclopentadiene, Thiaphene, Thiofuran, Thiole, Thiophen, Thiotetrole, Divinylene sulfide | 110-02-1 | 8.86 |
| 364 | Thiophene, 2-bromo- | C4H3BrS | 2-Bromothiophene; 2-Thienyl bromide; Thienyl bromide | 1003-09-4 | 8.6 |
| 365 | Thiophene, 2-chloro- | C4H3ClS | 2-Chlorothiophene; 2-Thienyl chloride | 96-43-5 | 8.74 |
| 366 | Toluene | C7H8 | Methylbenzene, Methylbenzol, Phenylmethane | 108-88-3 | 8.82 |
| 367 | o-Toluidine | C7H9N | 2-methylbenzenamine, o-Aminotoluene, o-Methylaniline, o-Methylbenzenamine, o-Tolylamine, 2-Aminotoluene, 2-Methylaniline, 2-Toluidine, o-Toluide | 95-53-4 | 7.44 |
| 368 | Trichloroethylene | C2HCl3 | Trichloroethene; TCE, 1-Dichloro-2-Chloroethylene, Acetylene Trichloride | 79-01-6 | 9.45 |
| 369 | Triethylamine | C6H15N | N,N-Diethylethanamine, (Diethylamino)ethane; TEN | 121-44-8 | 7.5 |
| 370 | 1,2,4-Trifluorobenzene | C6H3F3 | Benzene, 1,2,4-trifluoro-; 1,3,4-Trifluorobenzene | 367-23-7 | 9.37 |
| 371 | 1,3,5-Trifluorobenzene | C6H3F3 | Benzene, 1,3,5-trifluoro-; sym-Trifluorobenzene | 372-38-3 | 9.3 |
| 372 | 1,1,1-Trifluoro-2-iodoethane | C2H2F3I | 2,2,2-Trifluoroethyl iodide, Trifluoroethyl iodide; 1,1,1-trifluoroiodoethane; 2-Iodo-1,1,1-trifluoroethane | 353-83-3 | 10 |
| 373 | Trifluoromethylcyclohexane | C7H11F3 | | 401-75-2 | 10.46 |
| 374 | 2,2,4-Trimethyl-3-pentanone | C8H16O | tert-Butyl isopropyl ketone; Isopropyl tert-butyl ketone; Pentamethylacetone | 5857-36-3 | 8.8 |
| 375 | Undecane | C11H24 | n-Undecane; Hendecane | 1120-21-4 | 9.56 |

| NO. | COUMPOUND | FORMULA | ALTERNATE NAME | CAS # | IE (eV) |
|-----|---------------|----------------------------------|---|----------|---------|
| 376 | Vinyl bromide | C ₂ H ₃ Br | Bromoethene; 1-Bromoethene; 1-Bromoethylene; Monobromoethene; Monobromoethylene | 593-60-2 | 9.82 |
| 377 | m-Xylene | C ₈ H ₁₀ | m-Xylene; m-Dimethylbenzene; m-Xylol; 1,3-Dimethylbenzene; 1,3-Xylene; 2,4-Xylene; m-Methyltoluene | 108-38-3 | 8.56 |
| 378 | o-Xylene | C ₈ H ₁₀ | Benzene, 1,2-dimethyl-; o-Dimethylbenzene; o-Methyltoluene; o-Xylol; 1,2-Dimethylbenzene; 1,2-Xylene; 3,4-Xylene | 95-47-6 | 8.56 |
| 379 | p-Xylene | C ₈ H ₁₀ | Benzene, 1,4-dimethyl-; p-Dimethylbenzene; p-Xylol; 1,4-Dimethylbenzene; 1,4-Xylene; p-Methyltoluene; 4-Methyltoluene | 106-42-3 | 8.44 |