

CHM 218H – Unknown List

Unknowns 1

cyclohexane
decane
dodecane
heptane
hexane
methylcyclohexane
2,2,4-trimethylpentane (isooctane)
octane
nonane

Unknowns 2

Unknowns 1, plus ...
1-bromobutane
2-bromobutane
bromoethane
bromomethane
2-bromo-2-methylpropane
1-bromopropane
2-bromopropane
1,2-dibromoethane
1-butanol
cyclohexanol
ethanol
1-heptanol
2-heptanol
1-hexanol
2-hexanol
3-hexanol
2-methyl-1-butanol
2-methyl-2-butanol
3-methyl-1-butanol
2-methyl-1-propanol
2-methyl-2-propanol
2-propanol

Unknowns 3

Unknowns 1 & 2, plus ...
aniline
benzene
benzyl alcohol
benzyl chloride
bromobenzene
2-butanol

cumene (2-phenylpropane)
1,2-dibromopropane
1,3-dibromopropane
1,2-dichlorobenzene
1,2-dimethylbenzene (*o*-xylene)
1,3-dimethylbenzene (*m*-xylene)
1,4-dimethylbenzene (*p*-xylene)
ethylbenzene
methanol
1-pentanol
phenol
1-phenylethanol
3-phenyl-1-propanol
1,2-propanediol
1,2,3-propanetriol
1-propanol

toluene

Unknowns 4

Unknowns 1, 2, & 3, plus ...
acetic acid (ethanoic acid)
acetophenone
benzaldehyde
benzophenone
benzyl benzoate
butanone
butanal (butyl aldehyde)
n-butyl acetate
sec-butylacetate (2-butyl acetate)
n-butyl propionate
cyclohexanone
cyclopentanone
2,2-dimethoxypropane
ethanal (acetaldehyde)
ethyl acetate
ethyl benzoate
ethyl butanoate
ethyl formate
2-hexanone
3-hexanone
isobutyl acetate
isobutylaldehyde (3-methylpropanal)
methanal (formaldehyde)
methanoic acid

methyl acetate
methyl benzoate
methyl formate
methyl 2-methylbutyrate
2-methylpropanal
3-methyl-2-butanone
4-methyl-2-pentanone
methyl propionate
methyl 2-methylpropanoate
2-methylpropyl acetate
phenyl acetate
propanal
propanone (acetone)
propanoic acid
propyl formate
propyl propionate

Unknowns 5

Unknowns 1, 2, 3, & 4, plus ...

benzyl amine
2-chlorobenzoic acid
1-(4-chlorophenyl)ethanone
1-(3-chlorophenyl)ethanone
ethyl benzoate
2-hydroxybenzoic acid
para-nitrobenzaldehyde
1-(4-nitrophenyl)ethanone
phenylethanone
2-phenylpropane
phenylpropionate
pyridine