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abhexone⇒ 5-ETHYL-3-HYDROXY-4-METHYL-2(5H)-FURANONE

ACENAPHTHENE

Lillard & Powers (1975) d 0.08

acetal⇒ 1,1-DIETHOXYETHANE

acetaldehyde⇒ ETHANAL

ACETIC ACID

Ohrwall (1891) r 60
 Baker (1963) 24.3
 Amoore *et al.* (1968); Amoore (1969) d 30.7
 Zoeteman *et al.* (1971) 200
 Manning & Robinson (1973) 100
 Kikuchi *et al.* (1976) 34.2
 Aharoni *et al.* (1980) 200
 Schnabel *et al.* (1988) d 210 - 522
 Larsen & Poll (1990) d 100 - 1,000
 Larsen & Poll (1992) d 10 - 100
 Grosch *et al.* (1993) 60
 Buttery & Ling (1998) d 22
 Tamura *et al.* (2001); Boonbumrung *et al.* (2001) d 25.59 - 26

acetoin⇒ 3-HYDROXY-2-BUTANONE

acetol ⇒HYDROXYPROPANONE

acetone⇒ PROPANONE

1-ACETONYLPYRROLE (1-(1-pyrrolyl)-2-propanone)

Tressl *et al.* (1985b) d 0.1

ACETOPHENONE

Rosen *et al.* (1963) 0.065
 Baker (1963) 0.17
 Pyysalo *et al.* (1977) d 0.052
 Buttery *et al.* (1988a); Buttery & Ling (1995) d 0.065

acetovanillon⇒ 1-(4-HYDROXY-3-METHOXYPHENYL)ETHANONE

4-ACETYL-6-*tert*-BUTYL-1,1-DIMETHYLINDANE (celestolide)

Amoore *et al.* (1977) d 0.0050

2-acetyl-3,4-dihydro-2H-azole⇒ 2-ACETYL-1-PYRROLINE

5-ACETYL-2,3-DIHYDRO-1,4-THIAZINE

Hofmann & Schieberle (1995); Schieberle & Hofmann (1996a, 1996b) 0.00125 - 0.0017
 Buttery (1999) d 0.000 6

2-ACETYLFURAN

Buttery *et al.* (1990a,1994a); Buttery (1993);
 Buttery & Ling (1995,1998) d 10

7-ACETYL-1,1,3,4,4,6-HEXAMETHYLTETRALIN (tonalid)

Amoore *et al.* (1977) d 0.001 5

1-ACETYL-4-METHYLBENZENE (methyl acetophenone)

Appell (1969) 0.16
 Buttery *et al.* (1976b) d 0.019
 Masanetz & Grosch (1998a, 1998b) 0.024

WATER

detection (d) and recognition (r) odour threshold values in mg/kg

Boonbumrung <i>et al.</i> (2001)	d	0.021
2-ACETYL-3-METHYLPYRAZINE		
Mihara & Masuda (1988)	d	0.02
2-ACETYL-5-METHYLPYRAZINE		
Mihara & Masuda (1988)	d	0.4
Buttery <i>et al.</i> (1999); Buttery (1999)	d	3
2-ACETYL-6-METHYLPYRAZINE		
Mihara & Masuda (1988)	d	0.3
Buttery (1999)	d	3
ACETYLPYRAZINE		
Teranishi <i>et al.</i> (1975); Buttery (1981,1999)	d	0.06 - 0.062
2-ACETYLPYRIDINE		
Teranishi <i>et al.</i> (1975); Buttery (1981,1999); Buttery & Ling (1998)	d	0.019
2-ACETYLPYRROLE		
Teranishi <i>et al.</i> (1987); Buttery <i>et al.</i> (1988a,1994a, 1999); Buttery & Ling (1998); Buttery (1999)	d	170
2-ACETYL-1-PYRROLINE (2-acetyl-3,4-dihydro-2 <i>H</i> -azole)		
Buttery <i>et al.</i> (1982a,1983,1988a,1994a,1997,1999); Buttery (1993,1999); Buttery & Ling (1995,1998)	d	0.000 1
2-ACETYL-1,4,5,6-TETRAHYDROPYRIDINE		
Teranishi <i>et al.</i> (1975); Buttery (1981,1999); Buttery & Ling (1995,1998); Buttery <i>et al.</i> (1997,1999)	d	0.001 - 0.002
2-ACETYL-3,4,5,6-TETRAHYDROPYRIDINE		
Buttery & Ling (1995,1998); Buttery <i>et al.</i> (1997, 1999); Buttery (1999)	d	0.001 – 0.002
2-ACETYLTIAZOLE		
Teranishi & Buttery (1985); Buttery <i>et al.</i> (1994a,1999) ; Buttery (1999)	d	0.01
4-ACETYLTIAZOLE		
Teranishi <i>et al.</i> (1975)	d	0.17
2-ACETYL-2-THIAZOLINE		
Teranishi <i>et al.</i> (1975); Buttery (1981,1999); Buttery <i>et al.</i> (1994a)	d	0.001 - 0.0013
Cerny & Grosch (1993); Grosch <i>et al.</i> (1993); Guth & Grosch (1994); Schieberle & Hofmann (1996a, 1996b)		0.001
acrolein⇒2-PROPENAL		
acrylic acid⇒ PROPENOIC ACID		
acrylonitrile⇒ VINYL CYANIDE		
active amyl acetate⇒2-METHYLBUTYL ACETATE		
active amyl alcohol⇒ 2-METHYL-1-BUTANOL		
aldehyde C16⇒ ETHYL 3-METHYL-3-PHENYL-2,3-EPOXYPROPANOATE		
aldrin⇒ 1,2,3,4,10,10-HEXACHLORO-1,4,4a,5,8,8a-HEXAHYDRO-1,4-endo-exo-5,8-DIMETHANONAPHTHALENE		
allyl chloride⇒ 3-CHLOROPROPENE		
4-ALLYL-1,2-DIMETHOXYBENZENE (methyleugenol, eugenol methyl ether, 4-allylveratrole)		

WATER

detection (d) and recognition (r) odour threshold values in mg/kg

Buttery <i>et al.</i> (1974)	d	0.068
Pyysalo <i>et al.</i> (1977)	d	0.82
Sugisawa <i>et al.</i> (1991); Yang <i>et al.</i> (1992); Tamura <i>et al.</i> (1993)	d	0.775 - 8.5
ALLYL ISOTHIOCYANATE		
Masuda <i>et al.</i> (1996)		0.046
1-ALLYL-4-METHOXYBENZENE		
Williams <i>et al.</i> (1977)	d	0.035
1-ALLYL-5-METHOXY-3,4-(METHYLENEDIOXY)BENZENE (myristicin)		
Buttery <i>et al.</i> (1968)	d	0.025
Blank <i>et al.</i> (1992)		0.03
4-ALLYL-2-METHOXYPHENOL (eugenol)		
Appell (1969)		0.06
Buttery <i>et al.</i> (1971,1974,1987b,1990a); Buttery (1981,1993)	d	0.006
Pyysalo <i>et al.</i> (1977)	d	0.030
Dietz & Traud (1978)		0.04
Sugisawa <i>et al.</i> (1991); Yang <i>et al.</i> (1992); Tamura <i>et al.</i> (1993)	d	0.1
Blank <i>et al.</i> (1992)		0.15
4-ALLYL-1,2-(METHYLENEDIOXY)BENZENE (safrole)		
Helbig (1939)		0.0407
Le Magnen (1952)		0.01 - 0.033
Appell (1969)		0.16
allyl mustard oil ⇒ 2-PROPENYL ISOTHIOCYANATE		
2-(ALLYLTHIO)ETHANAL		
Rössner <i>et al.</i> (2002)		0.000 2
4-allylveratrole ⇒ 4-ALLYL-1,2-DIMETHOXYBENZENE		
ambrox ⇒ (3aR)-3a,6,6,9a-TETRAMETHYL-3aα,5aβ,9aα, 9bβ-DODECAHYDRONAPHTHO[2,1-b]FURAN		
(d)-ambrox ⇒ (+)-(3aR)-3a,6,6,9a-TETRAMETHYL-3aα,5aβ,9aα,9bβ-DODECAHYDRONAPHTHO[2,1-b]FURAN		
(l)-ambrox ⇒ (-)-(3aS)-3a,6,6,9a-TETRAMETHYL-3aα,5aβ,9aα,9bβ-DODECAHYDRONAPHTHO[2,1-b]FURAN		
5β-ambrox ⇒ 3aβ,6,6,9aβ-TETRAMETHYL-1,2,3a,4,5,5aβ,6,7,8,9a,9bβ-DODECAHYDRONAPHTHO[2,1-b]FURAN		
2'-AMINOACETOPHENONE		
Buttery & Ling (1994,1995,1998); Buttery (1999)	d	0.000 2
4'-AMINOACETOPHENONE		
Buttery & Ling (1994); Buttery (1999)	d	100 - 108
2-AMINOBENZALDEHYDE		
Buttery (1999)	d	0.011
2-AMINO-1,5-DIHYDRO-1-METHYL-4H-IMIDAZOL-4-ONE (creatinine)		
Dietz & Traud (1978)		> 10
2-AMINOETHANOL (ethanolamine)		
Alexander <i>et al.</i> (1982)	d	32
2-(2-AMINOETHYLAMINO)ETHANOL (aminoethylethanolamine)		
Alexander <i>et al.</i> (1982)	d	2.8

aminoethylethanolamine ⇒ 2-(2-AMINOETHYL)AMINOETHANOL

WATER

detection (d) and recognition (r) odour threshold values in mg/kg

6-AMINOHEXANOIC ACID LACTAM (caprolactam)		
Lillard & Powers (1975)	d	59.7
(S)-(-)-2-AMINO-3-(4-HYDROXYPHENYL)PROPANOIC ACID ((L)-tyrosine)		
Dietz & Traud (1978)		> 10
2-AMINO-3-PHENYLPROPANOIC ACID (phenylalanine)		
Dietz & Traud (1978)		> 10
1-AMINO-2-PROPANOL (isopropanolamine)		
Alexander <i>et al.</i> (1982)	d	28
N-(3-AMINOPROPYL)-1,4-BUTANEDIAMINE (spermidine)		
Wang <i>et al.</i> (1975)	d	129
α -AMINOTOLUENE (benzylamine)		
Moncrieff (1957)		3,000
AMMONIA		
Brown <i>et al.</i> (1968)		1.25
Amoore & Forrester (1976)	d	23.9
Kikuchi <i>et al.</i> (1976)		110
AMMONIUM HYPOCHLORITE		
Krasner & Barrett (1984)		0.35
amyl acetate \Rightarrow PENTYL ACETATE		
<i>tert</i> -amyl acetate \Rightarrow 1,1-DIMETHYLPROPYL ACETATE		
amyl alcohol \Rightarrow 1-PENTANOL		
<i>tert</i> -amyl alcohol \Rightarrow 2-METHYL-2-BUTANOL		
amyl butyrate \Rightarrow PENTYL BUTANOATE		
amyl isobutyrate \Rightarrow PENTYL 2-METHYLPROPANOATE		
amyl mercaptan \Rightarrow 1-PENTANETHIOL		
<i>tert</i> -amyl mercaptan \Rightarrow 2-METHYL-2-BUTANETHIOL		
amyl salicylate \Rightarrow PENTYL SALICYLATE		
amyl valerate \Rightarrow PENTYL PENTANOATE		
4,16-ANDROSTADIEN-3-ONE		
Amoore <i>et al.</i> (1977)	d	0.000 98
5 α -ANDROSTAN-3 α -OL		
Amoore <i>et al.</i> (1977)	d	0.011
5 α -ANDROSTAN-3 β -OL		
Amoore <i>et al.</i> (1977)	d	> 0.250
5 α -ANDROSTAN-3-ONE		
Amoore <i>et al.</i> (1977)	d	0.000 62
5 α -ANDROST-16-EN-3 α -OL		
Amoore <i>et al.</i> (1977)	d	0.0062
4-ANDROSTEN-3-ONE		
Amoore <i>et al.</i> (1977)	d	0.002 2
5 α -ANDROST-16-EN-3-ONE		
Amoore <i>et al.</i> (1977)	d	0.000 18
Gower <i>et al.</i> (1985)		0.000 2 - 0.002

ANILINE