Hallem and Carlson Table S1

	2a	7a	9a	10a	19a	22a	23a	33b	35a	43a	43b	47a	47b	49b	59b	65a	67a	67c	82a	85a	85b	85f	88a	98a
ammonium hydroxide	3	-21	32	10	1	13	-2	-9	4	-1	3	16	-8	4	5	3	16	10	2	-6	15	17	0	24
putrescine	6	-36	26	-26	-9	12	-2	-4	0	-17	1	-9	-25	-7	2	-2	-4	6	-4	-13	24	8	-6	17
cadaverine	1	-41	21	-17	-5	13	-7	-7	12	-10	12	-8	-16	-2	7	-1	-8	14	-2	-11	29	16	0	21
g-butyrolactone	9	34	53	-6	-7	43	4	7	81	-12	19	6	9	-1	16	6	125	20	-7	-8	47	23	2	29
g-hexalactone	15	-39	118	18	-2	140	12	25	171	8	30	24	-36	-1	18	18	47	40	5	-3	53	54	3	24
g-octalactone	7	-22	26	18	2	41	3	10	36	-5	27	17	-19	-3	0	20	25	16	20	-13	174	31	-16	101
g-decalactone	-1	-12	-1	-2	-22	16	-3	17	-3	-18	2	-3	-3	0	-4	-2	7	1	-8	-11	13	-5	7	9
d-decalactone	0	-15	-2	-11	-23	11	-2	15	-10	-16	2	0	-4	-4	2	-5	2	0	-5	1	24	-1	-1	8
methanoic acid	-2	-14	14	31	0	33	-8	-6	5	-9	8	-1	-20	3	25	2	5	12	-8	-9	14	7	0	4
acetic acid	5	-11	9	18	3	32	-1	-2	-1	0	10	2	-21	5	24	4	-5	6	10	1	27	11	-5	19
propionic acid	1	5	20	36	5	37	-3	-9	2	-5	7	7	-22	9	24	8	49	18	7	-6	41	15	-7	11
butyric acid	11	42	138	33	10	117	-3	-11	12	-7	20	17	-27	8	34	9	132	16	7	-10	39	21	-2	11
pentanoic acid	7	22	19	22	30	45	2	-11	36	-5	7	14	-22	2	24	2	207	11	25	-3	30	11	-7	-9
hexanoic acid	8	3	22	19	30	117	3	22	7	5	7	9	-24	7	29	7	20	12	19	-11	40	21	-5	13
heptanoic acid	3	-6	3	-1	-19	12	-2	-4	11	-11	20	1	-7	-4	16	-1	1	-3	-5	1	37	5	-3	-2
octanoic acid	-2	-7	-2	-1	-26	0	2	-13	-4	-5	10	5	-11	-1	5	-1	-9	2	-7	-5	68	7	1	-5
nonanoic acid	-2	-10	-6	2	-19	7	-4	-2	-8	-15	6	-4	-4	0	7	-6	-4	5	-7	1	43	5	-3	-8
linoleic acid	-7	136	3	4	-30	3	5	-11	38	-14	34	22	-20	-1	9	8	-1	-4	-7	2	58	7	-9	-5
isobutyric acid	-2	8	19	29	7	34	-3	-9	1	-5	10	14	-19	4	30	2	-1	13	11	-7	35	14	-4	10
isopentanoic acid	4	-4	23	24	21	41	-4	-10	5	-12	9	11	-15	6	28	3	46	15	24	1	20	14	-3	5
pyruvic acid	3	55	22	23	-1	35	-1	-12	5	-1	9	16	-20	1	20	8	5	11	-8	-9	23	10	3	1
2-ethylhexanoic acid	3	1	4	5	-22	19	-2	-15	-8	-25	45	21	-16	-1	21	3	-4	8	-6	-1	99	16	-12	4
lactic acid	2	-2	6	34	-4	36	-3	-3	9	1	6	14	-21	4	16	2	3	21	-5	-11	15	10	-3	13
3-methylthio-1-propanol	8	29	96	5	-9	38	-2	-7	188	4	37	200	-26	-1	31	-2	51	46	30	25	46	42	2	28
dimethyl sulfide	0	-8	19	-16	-27	13	-4	-6	-2	-19	11	-2	-8	-10	64	-6	1	2	2	-8	32	21	-6	-11
terpinolene	-6	6	-1	-7	51	19	-3	10	7	-6	12	8	-6	2	12	-4	34	15	-5	-6	36	5	6	81
a-pinene	-2	20	-1	-2	21	33	-3	13	28	6	4	18	-8	-4	0	1	7	14	-3	-1	48	18	2	30
b-pinene	3	-11	-6	-12	40	10	-4	10	3	10	9	-4	2	1	-4	-6	-6	6	-2	3	34	1	2	-3
(1S)-(+)-3-carene	-1	4	1	-12	123	11	-5	5	-4	9	7	5	-2	-6	-4	-3	2	11	-5	8	16	4	4	-7
limonene	3	4	3	-5	92	34	-4	8	51	-6	6	25	-5	5	-5	-3	2	11	2	3	47	1	2	30
a-humulene	-1	10	-2	-9	-7	9	-3	-1	3	-11	5	6	0	6	-1	-2	1	10	-8	-4	19	-4	6	-2
b-myrcene	2	9	-1	-9	21	19	-4	4	0	-5	7	-2	-1	-3	-5	-1	37	12	-7	3	21	2	7	20
(-)-trans-caryophyllene	2	4	3	-6	21	8	-5	14	14	-25	8	5	-6	-7	12	-1	-6	8	-1	1	34	5	0	-4
p-cymene	-2	-1	-2	-8	20	18	-6	3	9	-8	2	12	-2	3	-1	-8	-2	8	-12	-1	17	4	5	-9
geranyl acetate	2	1	-5	-8	9	1	4	0	-3	-10	10	-2	-1	-4	37	-7	7	-3	241	-1	-2	-2	1	81
a-terpineol	2	5	7	-10	85	63	-4	10	18	1	6	12	-8	-3	-8	4	19	18	3	-12	51	-2	7	11
geraniol	-1	1	-1	-6	2	28	-6	15	9	-16	6	1	-7	-2	1	-2	49	23	29	-4	41	1	7	89
nerol	8	10	2	-12	22	37	-3	13	10	-7	9	0	-7	7	-8	5	14	13	1	-2	42	5	7	65
linalool	17	31	6	-14	125	52	3	29	26	-6	1	20	-14	-8	-8	2	84	7	12	-16	51	4	-2	140
b-citronellol	3	21	6	-10	18	25	-6	8	11	-13	7	-1	-6	-5	-2	-1	6	19	5	8	41	-5	7	50
linalool oxide	30	-14	79	1	91	25	8	17	-5	18	14	25	-9	-12	18	3	35	22	27	9	33	44	4	36
acetaldehyde	21	165	95	25	19	71	11	11	4	4	8	55	-38	-1	62	13	12	47	10	35	37	24	5	18
propanal	18	-16	6	-1	-52	36	-5	3	-6	-31	15	12	-40	-8	12	-7	5	15	-15	15	52	8	-9	11
butanal	43	54	6	-2	-38	53	-6	0	65	-11	51	20	-26	-7	9	-4	62	21	7	5	53	18	-3	26
pentanal	22	171	24	6	-20	69	-5	3	82	-13	12	28	-22	-8	11	1	45	20	10	-2	54	26	-2	27
hexanal	19	177	34	28	-29	139	13	-10	185	-4	44	46	-21	-4	17	13	29	15	8	20	224	43	-9	29
E2-hexenal	17	221	38	-8	58	49	45	-8	227	41	84	37	18	6	3	-2	117	47	-6	11	145	35	-8	28
furfural	11	176	93	34	-22	29	18	28	176	-17	34	6	-19	-4	50	-1	182	36	39	-2	61	59	-12	33
2-propenal	14	31	3	-7	-12	32	-6	6	-9	-7	11	8	-16	-3	19	2	21	5	-5	19	36	2	4	22
acetone	1	-10	29	0	-25	38	-7	-10	8	-16	11	3	-6	-3	130	-7	27	-5	-4	-5	28	18	-9	-1
2-butanone	8	9	94	7	-16	84	3	7	13	-8	25	16	-15	3	144	-2	67	21	17	1	39	41	-14	4
2-pentanone	30	2	130	19	-1	148	13	10	112	12	75	74	-31	3	60	12	70	60	32	-8	115	52	-19	11
2-heptanone	39	-2	106	17	131	111	25	0	119	42	71	209	-10	21	25	35	170	36	32	33	190	40	19	189
6-methyl-5-hepten-2-one	46	-24	58	8	69	85	28	-11	-12	7	46	40	6	-5	0	49	234	16	61	-7	257	34	-15	232
2,3-butanedione	3	13	60	22	35	48	15	11	13	11	69	25	7	6	97	8	84	42	20	40	71	14	11	34
phenethyl alcohol	2	3	17	-16	14	46	-2	29	120	28	6	9	-20	45	2	-6	236	67	25	3	20	8	4	-8
benzyl alcohol	-4	5	30	-5	-9	40	-5	34	44	52	0	8	-21	111	14	-3	116	26	23	-4	19	25	1	1
methyl salicylate	5	-6	13	258	1	-2	-1	-7	2	20	12	-6	6	48	-4	-13	35	-2	-5	2	-8	5	-7	8
methyl benzoate	1	-27	43	265	-12	43	-6	-12	-14	-3	32	38	-4	19	-2	-2	208	10	31	4	29	46	-9	226
ethyl benzoate	1	-20	29	268	-6	49	-6	-3	-16	-26	6	27	-11	-6	-5	-6	198	-4	-4	-14	14	21	-5	273
phenethyl acetate	11	-13	18	-12	7	40	-4	0	-13	-12	2	24	-15	7	34	17	185	1	19	-8	28	7	-4	24
benzaldehyde	5	200	57	123	-15	32	-5	-5	83	36	12	22	-18	101	6	-10	200	6	-10	7	37	49	-3	30
phenylacetaldehyde	10	43	14	64	-30	44	1	7	-17	-6	8	27	-17	79	7	3	153	17	9	10	39	20	0	27
acetophenone	-3	10	62	254	5	32	-6	-16	10	37	10	38	-6	79	5	12	184	35	-16	-25	22	84	-12	29
ethyl cinnamate	-4	-6	-2	-7	-21	12	-1	3	-10	-19	2	-1	-1	3	-2	2	75	-1	-1	-7	35	-11	4	7
2-methylphenol	-11	-27	36	-17	-16	9	-8	-16	-12	77	35	-11	-27	250	-7	-18	57	2	-14	-14	27	31	-14	-21
4-ethyl guaiacol	-1	-10	14	2	-10	7	-9	-3	-3	-5	3	-2	-5	-2	6	-8	4	31	-7	-6	39	14	-1	1
eugenol	4	-10	10	64	-16	7	1	-6	-7	-14	10	0	-4	-6	21	-7	7	-3	-1	-4	34	12	-3	50
methanol	10	22	25	5	-16	55	-3	35	38	-2	14	13	-21	9	18	3	3	20	3	14	17	6	-8	5
ethanol	4	33	21	12	-12	55	6	36	34	-7	13	9	-22	1	13	2	4	26	16	17	27	2	-12	3
1-propanol	33	180	52	-4	10	58	5	27	55	-13	33	16	-18	1	12	-5	16	48	17	0	47	22	-6	-9
1-butanol	45	195	103	-5	49	120	41	39	199	-1	73	24	-25	26	44	-2	65	72	38	2	44	28	0	-7
1-pentanol	35	166	160	11	84	179	73	42	188	77	109	62	-31	44	55	1	148	126	55	47	169	56	8	75
1-hexanol	40	96	102	10	146	63	51	1	237	133	73	58	-35	31	35	7	173	109	58	137	183	64	16	158
1-octanol	1	-18	20	-18	92	53	1	3	222	-13	28	7	-32	-6	-7	-4	44	11	35	4	56	10	-20	24
2-pentanol	38	78	227	17	74	113	41	45	162	96	168	77	-33	32	39	8	33	98	60	45	144	58	5	81
3-methylbutanol	30	157	97	-6	78	104	33	33	222	54	49	24	-33	20	25	-1	67	81	58	-15	24	41	4	14
3-methyl-2-buten-1-ol	36	196	59	-5	58	101	25	41	176	30	53	19	-25	35	26	4	215	95	42	11	25	37	7	194
1-penten-3-ol	34	124	209	-7	64	58	29	44	37	58	103	39	-35	32	39	-1	8	109	45	20	21	40	-6	-6
1-octen-3-ol	27	9	54	-6	149	121	19	-17	141	100	44	90	-30	15	15	16	164	24	34	40	180	31	-16	197
E2-hexenol	35	180	110	-8	79	87	41	21	223	32	89	31	-33	41	20	4	109	142	16	68	254	63	-8	214
Z2-hexenol	34	151	88	-15	85	111	55	21	202	76	173	30	-34	20	26	-6	105	99	37	9	149	50	-12	92
E3-hexenol	45	154	198	13	74	82	40	29	213	44	55	28	-34	29	32	7	160	102	34	149	241	71	-17	137
Z3-hexenol	29	150	154	-5	84	81	36	30	204	98	79	52	-29	37	42	-6	116	111	34	87	195	55	-16	138
glycerol	2	-2	8	-8	-21	4	-7	15	-4	-18	5	2	-1	0	-4	-3	-2	-1	-4	1	-1	2	8	-2
2,3-butanediol	6	-15	247	-5	-19	50	-4	36	4	-11	110	2	-11	-5	10	-6	13	35	24	13	16	9	0	8
methyl acetate	5	-6	24	9	-13	54	2	15	-6	-12	22	25	-21	-5	269	-3	7	7	15	-10	29	12	14	4
ethyl acetate	-3	6	37	6	7	53	2	10	18	8	132	86	-7	15	177	0	43	29	17	65	18	12	5	23
propyl acetate	31	-4	161	67	-1	198	12	13	102	12	174	214	-34	11	66	2	75	63	15	-13	163	48	11	154
butyl acetate	51	-19	151	128	31	212	29	12	63	20	138	205	-38	19	48	23	164	45	36	-11	249	56	0	227
pentyl acetate	35	-4	85	-1	130	158	20	-12	191	12	89	241	-24	8	65	34	216	17	21	30	190	35	9	191
hexyl acetate	29	-19	44	-19	50	172	2	11	206	-3	16	201	-37	-3	39	42	50	2	24	-9	34	2	3	78
isobutyl acetate	31	38	172	212	48	251	9	15	26	25	177	183	-28	-3	44	4	31	73	29	-23	133	39	7	208
isopentyl acetate	65	-33	139	208	81	232	21	6	22	17	96	122	-38	11	46	10	129	48	39	-16	231	27	-1	248
E2-hexenyl acetate	22	204	30	-4	37	194	4	13	227	-17	7	59	-32	6	45	36	73	12	28	0	47	11	-2	203
methyl butyrate	25	-1	143	43	-6	220	2	19	102	10	174	148	-25	20	136	3	115	75	25	3	78	30	8	69
ethyl butyrate	12	1	121	29	73	193	15	37	121	22	199	74	-16	-3	39	-8	167	112	27	125	102	26	-9	81
hexyl butyrate	4	-4	2	-1	6	39	1	4	225	-8	7	17	-17	0	2	8	62	6	10	40	97	1	-7	28
ethyl 3-hydroxybutyrate	53	-27	204	68	30	138	34	0	87	35	146	76	-35	42	35	39	96	89	5	210	235	72	-22	188
ethyl propionate	21	85	58	38	-13	188	-5	81	1	1	168	55	-23	-5	99	4	11	47	18	44	57	26	-5	41
ethyl methanoate	3	108	24	3	-17	13	-5	0	-11	-14	9	-3	-11	3	27	3	-2	1	-2	1	22	8	-5	16
methyl hexanoate	39	40	53	17	36	256	9	-16	-10	3	58	210	-33	12	2	19	87	21	18	-16	228	33	-27	188
ethyl hexanoate	22	-13	20	-14	42	224	13	0	-21	6	4	138	-31	-2	-8	7	143	-3	10	-22	89	10	-11	55
hexyl hexanoate	1	-4	-3	-1	-25	31	-4	1	126	-14	-1	-1	4	-1	7	-2	-3	-4	-3	5	17	9	3	5
methyl octanoate	1	-7	4	-13	0	237	-3	3	10	-13	4	58	-26	4	-8	22	-7	2	16	-12	62	1	-8	23
ethyl octanoate	1	-7	2	-14	-8	95	-4	-4	-12	-12	3	18	-7	-6	-2	7	-10	1	5	-8	39	1	-5	22
ethyl decanoate	5	-12	2	43	-17	6	-1	1	-10	-8	7	-3	-3	-2	3	-4	-7	-3	-4	-20	28	-2	-5	12
ethyl trans-2-butenoate	11	-2	103	146	9	210	9	-4	14	-22	191	44	-33	3	-7	2	104	34	16	91	80	24	-9	243
ethyl lactate	39	31	75	31	24	70	11	2	5	7	93	29	-28	34	133	31	39	288	42	39	77	77	-7	66
diethyl succinate	16	-11	21	-13	24	205	26	-8	-20	-8	4	36	-16	-3	-9	5	175	7	32	-12	35	12	5	4
spontaneous firing rate	8	17	3	14	29	4	9	25	17	21	2	1	47	8	2	18	11	6	16	14	13	7	26	12