Table S2 The OAVs of volatile compounds in GE and GET.

Numbers	Compounds	Threshold values (μg/L) [θ]	OAVs	
			GE	GET
	Alcohols			
1	1-Penten-3-ol	400(A)	0.00	0.07
2	2-Methyl-1-butanol	15.9(A)	0.38	0.58
3	(*Z*)-2-Penten-1-ol	720(A)	0.00	0.02
4	1-Pentanol	400(A)	0.07	0.03
*5	3-Hexen-1-ol	70(H)	23.90	9.27
6	1-Hexanol	500(A)	0.90	0.54
7	(*E*)-3-Hexen-1-ol	110(D)	0.10	0.19
8	4-Methyl-1-pentanol	--	n.f.	n.f.
9	1-Heptanol	400(A)	0.09	0.02
10	2-Ethyl-1-hexanol	--	n.f.	n.f.
*11	Benzyl alcohol	100(A)	8.82	1.96
*12	1-Octanol	3(A)	21.18	11.87
13	cis-*α,α*,5-Trimethyl-5-ethenyltetrahydro-2-furanmethanol	--	n.f.	n.f.
14	trans-Linalool oxide (furanoid)	--	n.f.	n.f.
*15	Linalool	0.6(A)	805.97	712.35
16	3,7-Dimethyl-1,5,7-octatrien-3-ol	--	n.f.	n.f.
*17	Phenylethyl Alcohol	0.35(A)	5448.33	360.15
18	1-Nonanol	45.5(A)	0.31	0.29
19	(*3S,6R*)-Linalool oxide C	190(A)	0.11	0.03
20	Terpinen-4-ol	1200(B)	0.35	0.00
*21	Terpineol	4.08(C)	13.65	1.05
22	Nerol	300(C)	0.22	0.07
23	Geraniol	7.5(A)	0.83	0.41
*24	Nerolidol	10(A)	21.27	2.25
25	Di-epi-1,10-cubenol	--	n.f.	n.f.
26	τ-Cadinol	--	n.f.	n.f.
	Esters			
*27	Ethyl acetate	5(B)	7.64	13.99
*28	Propanoic acid, 2-methyl-, ethyl ester	0.02(B)	0.00	1102.36
*29	Butanoic acid, 2-methyl-, methyl ester	0.25(B)	213.86	28.59
30	Butanoic acid, ethyl ester	203(D)	0.00	0.23
31	Butanoic acid, 2-methyl-, ethyl ester	--	n.f.	n.f.
*32	Methyl tiglate	130(B)	0.65	2.76
33	2-Propenoic acid, butyl ester	20(B)	0.70	0.46
34	Acetic acid, pentyl ester	43(B)	0.00	0.41
35	Propanoic acid, butyl ester	200(B)	0.00	0.01
*36	Hexanoic acid, methyl ester	70(A)	1.12	0.55
37	(*E*)-3-Hexenoic acid, methyl ester	--	n.f.	n.f.
38	Ethyl tiglate	--	n.f.	n.f.
39	1-Butanol, 2-methyl-, propanoate	28(B)	0.00	0.36
*40	Hexanoic acid, ethyl ester	5(A)	0.00	11.08
*41	(*Z*)-3-Hexen-1-ol, acetate	210(A)	1.29	14.62
*42	Acetic acid, hexyl ester	115(B)	1.01	11.49
43	2-Hexen-1-ol, acetate	--	n.f.	n.f.
*44	Butanoic acid, 2-methylbutyl ester	17(B)	0.00	1.87
45	(*Z*)-3-Hexen-1-ol, propanoate	--	n.f.	n.f.
46	Butanoic acid, pentyl ester	210(B)	0.00	0.02
*47	Benzoic acid, methyl ester	70(E)	45.65	50.70
48	Octanoic acid, methyl ester	200(B)	0.19	0.01
49	*n*-Butyl tiglate	--	n.f.	n.f.
50	(*E*)-Butanoic acid, 3-hexenyl ester	--	n.f.	n.f.
51	Butanoic acid, 2-methyl-, pentyl ester	8.6(B)	0.00	0.25
*52	Butanoic acid, hexyl ester	250(A)	0.03	2.34
53	Acetic acid, phenylmethyl ester	364(B)	0.08	0.79
*54	Benzoic acid, ethyl ester	55.56(B)	9.34	33.35
55	(*Z*)-Butanoic acid, 3-hexenyl ester	--	n.f.	n.f.
*56	Methyl salicylate	40(A)	4.94	14.63
57	Octanoic acid, ethyl ester	19.3(B)	0.01	0.05
58	Acetic acid, octyl ester	47(B)	0.03	0.09
59	Nonanoic acid, methyl ester	--	n.f.	n.f.
*60	Butanoic acid, 2-methyl-, hexyl ester	22(A)	3.39	12.06

61	Benzeneacetic acid, ethyl ester	155.5(B)	0.42	0.04
62	Hexanoic acid, 2-methylbutyl ester	--	n.f.	n.f.
63	Acetic acid, 2-phenylethyl ester	249.59(D)	0.14	0.10
64	Propanoic acid, phenylmethyl ester	--	n.f.	n.f.
65	(*Z*)-(*Z*)-Hex-3-en-1-yl 2-methylbut-2-enoate	--	n.f.	n.f.
66	Benzoic acid, 2-hydroxy-, ethyl ester	84(A)	0.00	0.72
67	Butanoic acid, heptyl ester	--	n.f.	n.f.
68	Propanoic acid, 2-methyl-, phenylmethyl ester	--	n.f.	n.f.
69	(*Z*)-Hex-3-enyl (*E*)-2-methylbut-2-enoate	--	n.f.	n.f.
70	Decanoic acid, methyl ester	--	n.f.	n.f.
71	Butanoic acid, 2-methyl-, heptyl ester	--	n.f.	n.f.
72	Hexyl tiglate	--	n.f.	n.f.
73	Propanoic acid, 2-phenylethyl ester	--	n.f.	n.f.
74	Butanoic acid, phenylmethyl ester	376(B)	0.01	0.14
75	*cis*-3-Hexenyl cis-3-hexenoate	--	n.f.	n.f.
76	Butyl benzoate	--	n.f.	n.f.
77	(*Z*)-Hexanoic acid, 3-hexenyl ester	1000(B)	0.02	0.07
78	(*E*)-Hexanoic acid, 2-hexenyl ester	190(A)	0.00	0.05
79	(*Z*)-2,6-Octadien-1-ol, 3,7-dimethyl-, acetate	2000(B)	0.00	0.00
80	Hexanoic acid, hexyl ester	6400(A)	0.00	0.00
81	Butanoic acid, 3-methyl-, phenylmethyl ester	--	n.f.	n.f.
82	Heptyl (*E*)-2-methylbut-2-enoate	--	n.f.	n.f.
83	Butanoic acid, 2-methyl-, octyl ester	--	n.f.	n.f.
*84	1-Butanol, 3-methyl-, benzoate	250(B)	0.97	1.04
85	5-Hexyldihydro-2 (3H)-furanone	--	n.f.	n.f.
86	Pent-2-en-1-yl benzoate	--	n.f.	n.f.
87	Benzyl tiglate	--	n.f.	n.f.
88	Dihydroactinodiolide	500(F)	0.01	0.03
89	(*Z*)-3-Hexen-1-ol, benzoate	--	n.f.	n.f.
90	Benzoic acid, hexyl ester	--	n.f.	n.f.
91	2-Phenylethyl tiglate	--	n.f.	n.f.
92	Benzoic acid, heptyl ester	--	n.f.	n.f.
93	(*E, Z*)-2-Butenoic acid, 2-methyl-, 3,7-dimethyl-2,6-octadienyl ester	--	n.f.	n.f.
94	Methyl tetradecanoate	--	n.f.	n.f.
	Alkenes			
95	(*E, E*)-1,3,5-Heptatriene	--	n.f.	n.f.
96	1,3-Trans-5-*cis*-octatriene	--	n.f.	n.f.
*97	Styrene	65(B)	0.72	1.13
*98	*α*-Pinene	14(B)	18.84	17.22
99	Camphene	--	n.f.	n.f.
100	Bicyclo[3.1.0]hexane, 4-methylene-1-(1-methylethyl)-	980(B)	0.33	0.00
101	*α*-Methyl-styrene	--	n.f.	n.f.
102	2,6-Dimethyl-2,6-octadiene	13(C)	0.32	0.42
*103	*α*-Myrcene	14(B)	73.78	50.80
104	3-Methylene-nonane	--	n.f.	n.f.
*105	*α*-Phellandrene	36(D)	17.02	1.58
*106	*α*-Terpinene	85(B)	4.46	0.26
107	*α*-Ocimene	--	n.f.	n.f.
*108	Terpinolene	80(B)	3.66	0.32
109	(*E*)-4,8-Dimethylnona-1,3,7-triene	--	n.f.	n.f.
110	1,3,8-p-Menthatriene	15(E)	0.98	0.05
111	(*E, Z*)-2,6-Dimethyl-2,4,6-octatriene	--	n.f.	n.f.
112	(*Z*)-3-Dodecene	--	n.f.	n.f.
113	(*E*)-3-Tridecene	--	n.f.	n.f.
114	Theaspiran	--	n.f.	n.f.
115	*α*-Cubebene	--	n.f.	n.f.
116	Copaene	140(B)	0.93	0.03
117	Alloaromadendrene	--	n.f.	n.f.
118	Acenaphthylene	--	n.f.	n.f.
119	Humulene	160(D)	0.00	0.05
120	1-(1,5-dimethyl-4-hexenyl)-4-methyl-benzene	--	n.f.	n.f.
121	(*Z, E*)-3,7,11-Trimethyl-1,3,6,10-dodecatetraene	87(D)	0.09	0.01
*122	*α*-Farnesene	87(D)	4.84	0.46
*123	*δ*-Cadinene	1.5(D)	256.18	24.16
124	*cis*-Calamenene	--	n.f.	n.f.

125	Cubenene	--	n.f.	n.f.
126	Neophytadiene	--	n.f.	n.f.
	Alkanes			
127	4-Methyl-octane	--	n.f.	n.f.
128	3-Methyl-nonane	--	n.f.	n.f.
129	2,2,4,6,6-Pentamethyl-heptane	--	n.f.	n.f.
130	2,6-Dimethyl-nonane	--	n.f.	n.f.
131	2-Syn-methyl-cis-decalin	--	n.f.	n.f.
132	5-Ethyl-decane	--	n.f.	n.f.
133	2-Methyl-undecane	--	n.f.	n.f.
134	3-Methyl-undecane	--	n.f.	n.f.
135	2,6-Dimethyl-undecane	--	n.f.	n.f.
136	2,8-Dimethyl- undecane	--	n.f.	n.f.
137	3-Methyl-tridecane	--	n.f.	n.f.
	Ketones			
138	2-Pentanone	--	n.f.	n.f.
*139	1-Penten-3-one	0.94(C)	84.58	23.65
140	4-Methyl-3-penten-2-one	200(C)	0.00	0.17
141	2-Heptanone	3000(C)	0.00	0.00
*142	6-Methyl-5-hepten-2-one	50(A)	1.19	0.51
143	2,5-Octanedione	--	n.f.	n.f.
144	2,2,6-Trimethyl-cyclohexanone	100(G)	0.00	0.15
145	Isophorone	11000(B)	0.00	0.00
*146	(*E, E*)-3,5-Octadien-2-one	0.5(C)	89.56	181.49
147	Acetophenone	65(D)	0.40	0.34
148	6-Methyl-3,5-heptadiene-2-one	--	n.f.	n.f.
149	(*R, S*)-5-Ethyl-6-methyl-3E-hepten-2-one	--	n.f.	n.f.
150	3-Undecanone	--	n.f.	n.f.
*151	*cis*-Jasmone	7(A)	0.91	2.89
*152	*α*-Ionone	0.4(C)	1.29	39.54
*153	Geranylacetone	60(A)	19.37	1.48
	Heterocyclic compounds			
154	2,4-Dimethyl-furan	--	n.f.	n.f.
155	2-Ethyl-furan	8000(A)	0.01	0.01
156	2-Ethyl-5-methyl-furan	--	n.f.	n.f.
157	2-n-Butyl furan	--	n.f.	n.f.
158	1-(2-Furanyl)-ethanone	--	n.f.	n.f.
*159	2-Pentyl-furan	4.8(C)	59.93	39.18
160	trans-2-(2-Pentenyl)-furan	--	n.f.	n.f.
161	Neryl oxide	--	n.f.	n.f.
162	3-Phenyl-furan	--	n.f.	n.f.
*163	Indole	11(C)	6.17	23.24
164	Dihydro-5-pentyl-2(3H)-furanone	--	n.f.	n.f.
	Aldehydes			
*165	2-Methyl-butanal	1.5(C)	19.77	29.95
*166	Pentanal	12(C)	5.66	4.42
*167	2-Methyl-pentanal	1.6(B)	0.00	3.26
168	(*E*)-2-Pentenal	310(C)	0.15	0.00
*169	Hexanal	2.4(C)	111.34	15.09
*170	(*E*)-2-Hexenal	17(A)	14.93	0.00
*171	Heptanal	0.9(A)	34.88	7.80
*172	(*Z*)-2-Heptenal	18(C)	2.63	0.00
*173	Benzaldehyde	350(A)	2.75	1.18
174	(*E, E*)-2,4-Heptadienal	10000(A)	0.01	0.00
*175	Benzeneacetaldehyde	1.2(A)	509.53	79.56
176	2,6-Dimethyl-5-heptenal	27(E)	0.22	0.03
*177	Nonanal	2.8(A)	62.99	6.03
*178	(*E, E*)-2,4-Octadienal	0.04(E)	571.82	27.34
179	*α*-Cyclocitral	--	n.f.	n.f.
*180	(*E, Z*)-2,6-Nonadienal	0.0045(C)	13325.75	0.00
181	Lilac aldehyde D	--	n.f.	n.f.
*182	Safranal	3(B)	15.60	5.68
183	*α*,4-Dimethyl-3-cyclohexene-1-acetaldehyde	--	n.f.	n.f.
*184	*β*-Cyclocitral	3(C)	0.55	5.98
185	(*Z*)-3,7-Dimethyl- 2,6-octadienal	53(D)	0.10	0.28
*186	Citral	5(C)	4.31	1.31

187	Undecanal	12.5(B)	0.46	0.10
	Aromatic compounds			
188	Toluene	140(A)	0.73	0.40
189	Ethylbenzene	2205.25(H)	0.01	0.01
*190	*p*-Xylene	1000(B)	1.15	0.17
191	Propyl-benzene	--	n.f.	n.f.
192	1-Ethyl-3-methyl-benzene	--	n.f.	n.f.
193	1,2,3-Trimethyl-benzene	--	n.f.	n.f.
194	*o*-Cymene	--	n.f.	n.f.
195	*cis*-Decahydro-naphthalene	--	n.f.	n.f.
196	4-Ethyl-1,2-dimethyl-benzene	--	n.f.	n.f.
197	1-Methyl-4-(1-methylethenyl)-benzene	--	n.f.	n.f.
198	1,2,3,4-Tetramethyl-benzene	--	n.f.	n.f.
199	1,2,3,4-Tetrahydro-naphthalene	--	n.f.	n.f.
*200	Naphthalene	5(B)	91.07	41.02
201	2,3-Dihydro-4,7-dimethyl-1H-indene	--	n.f.	n.f.
202	Pentamethyl-benzene	--	n.f.	n.f.
203	1,2,3,4-Tetrahydro-1,8-dimethyl-naphthalene	--	n.f.	n.f.
*204	1-Methyl-naphthalene	10(E)	46.51	1.85
205	Biphenyl	--	n.f.	n.f.
206	2,6-Dimethyl-naphthalene	--	n.f.	n.f.
207	Butylated hydroxytoluene	--	n.f.	n.f.
208	1,6-Dimethyl-4-(1-methylethyl)-naphthalene	--	n.f.	n.f.
	Acids			
209	Hexanoic acid	4800(C)	0.09	0.00
210	Benzoic acid	--	n.f.	n.f.
*211	Nonanoic acid	26(C)	3.86	0.81

Note:

“ — ”, the odor thresholds in water of volatile compounds not found in the literatures.

“ n.f. ” , the OAV values of volatile compounds not calculated.

“ * ” , the OAV values of volatile compounds greater than 1 in GE and GET.

θ The odor thresholds of all volatile components found in the literature: A: [1]; B [2]; C: [3]; D: [4]; E: [5]; F: [6]; G: [7]; H: [8].

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