

Table 1. Volatile Components isolated by dynamic headspace in three stages of avocado (*Persea americana* Mill) maturation. (\*Values expressed as relative area percentage to total identified components)

Peak No	KI <sup>a</sup>	Components	Green mature	Commercial ripe	Over ripe	Methods of Identification <sup>b</sup>
1	561	Acetaldehyde	*0.67	1.15	nd	MS, KI
2	598	Ethyl ethanoate	17.75	9.71	12.86	MS, KI
3	614	Ethanol	30.84	23.34	21.77	MS, KI
4	624	Acetone	2.04	nd	nd	MS, KI, St
5	646	Ethyl acetate	12.31	11.58	12.89	MS, KI
6	656	Methyl propanoate	nd	4.54	7.12	MS, KI
7	662	Acetic acid	1.36	0.99	1.17	MS, KI
8	676	Butanal	nd	0.31	0.31	MS, KI
9	699	Propyl acetate	0.64	0.27	0.43	MS, KI
10	725	Methyl butyrate	0.24	0.28	0.32	MS, KI
11	729	1-Penten-3-ol	0.29	1.50	0.43	MS, KI
12	740	3-Penten-2-one	1.27	1.25	1.08	MS, KI

Table 1. Cont.

Peak No.	KI <sup>a</sup>	Components	Green mature	Commercial ripe	Over ripe	Methods of Identification <sup>b</sup>
13	752	Pyridine	1.51	1.19	1.16	MS, KI,St
14	772	(E)-2-Hexenal	15.38	13.66	11.32	MS, KI
15	773	Pentanol	0.42	0.58	0.38	MS, KI
16	779	Toluene	1.02	0.22	0.27	MS, KI
17	798	Hexanal	0.42	0.11	0.09	MS, KI
18	833	2-Furfural	0.20	0.08	0.16	MS, KI ,St
19	852	(Z)-3-hexenol	1.51	9.13	0.18	MS, KI
20	863	Isobutyl propanoate	0.13	0.13	0.06	MS, KI
21	866	Hexanol	0.32	0.14	nd	MS, KI
22	876	Isoamyl acetate	0.23	0.11	0.18	MS, KI
23	897	Methional	0.18	0.18	0.07	MS, KI
24	993	Myrecene	0.27	0.25	0.17	MS, KI,St
25	1003	$\alpha$ -Phellandrene	1.19	2.84	0.18	MS, KI,St
26	1017	Ethyl hexanoate	1.08	2.77	0.16	MS, KI
27	1035	D-Limonene	3.50	6.17	11.75	MS, KI,St
28	1040	(Z)- $\beta$ -Ocimene	nd	0.08	0.36	MS, KI
29	1065	$\gamma$ -Terpinene	nd	0.32	0.25	MS,KI

Table 1. Cont.

Peak No	KI <sup>a</sup>	Components	Green mature	Commercial ripe	Over ripe	Methods of Identification <sup>b</sup>
30	1099	Perillene	nd	0.19	0.16	MS, KI
31	1197	(Z)-7- Decenol	0.24	0.39	0.25	MS, KI
32	1214	Decanal	nd	0.24	0.44	MS, KI
33	1222	Benzothiazole	nd	0.08	0.23	MS, KI
34	1297	(E,Z)-2,4-Decadienal	0.24	0.36	0.39	MS, KI
35	1353	$\alpha$ – Cubebene	0.15	0.25	0.19	MS, KI
36	1391	$\alpha$ - copaene	0.21	0.14	0.18	MS, KI
37	1420	$\beta$ -Caryophyllene	0.43	0.48	0.59	MS, KI
38	1439	(Z)- $\alpha$ - Bergamotene	0.12	0.16	0.08	MS, KI
39	1458	$\alpha$ –Humulene	0.31	0.17	0.12	MS, KI
40	1510	(E,E) $\alpha$ –Farnesene	0.47	0.89	2.47	MS, KI
41	1527	$\delta$ – Cadinene	nd	0.85	0.16	MS, KI
42	1538	Z- nerolidol	2.56	2.15	6.56	MS, KI
43	1585	Caryophyllene oxide	0.49	0.77	3.43	MS, KI

nd = not detected

Compounds listed according to their elution on DB5 column.

a: Kovats index.

b: Compound identified by GC-MS (MS) and / or by kovats index on DB5(KI) and / or by comparison of MS and KI of standard compound (St) run under similar GC-MS conditions

Table 2. Volatile components isolated by dynamic headspace in three stages of white sapote (*Casimiroa edulis*) maturation. (\*Values expressed as relative area percentages to total identified components)

Peak No	KI <sup>a</sup>	Components	Green mature	Commercial ripe	Over ripe	Methods of Identification <sup>b</sup>
1	561	Acetaldehyde	*0.16	0.74	1.17	MS, KI
2	602	Melhanol	0.44	0.46	0.79	MS, KI,St
3	617	Ethanol	9.02	11.43	21.74	MS, KI,St
4	647	Ethyl acetate	5.76	6.06	18.04	MS, KI ,St
5	695	1- Butanol	0.14	0.33	0.21	MS, KI
6	730	1- Penten-3-ol	0.10	0.20	1.75	MS, KI
7	740	3- Penten-2-one	2.48	4.22	2.34	MS, KI
8	753	3- Methyl butanol	0.28	0.29	3.84	MS, KI
9	798	Hexanal	0.97	0.79	0.21	MS, KI
10	833	2- Furfural	0.04	0.71	1.08	MS, KI
11	847	Ethyl butyrate	75.16	61.55	33.01	MS, KI
12	981	β-Pinene	0.15	0.03	1.10	MS, KI ,St
13	1003	α – Phellandrene	2.13	5.15	3.36	MS, KI, St
14	1017	Ethyl hexanoate	2.14	5.42	3.82	MS, KI
15	1035	D-Limonene	0.53	1.50	3.02	MS, KI, St
16	1045	(E)-2- Octenal	0.36	0.91	1.36	MS, KI
17	1073	Octanol	0.08	0.10	2.55	MS, KI
18	1085	Ethyl octanoate	0.04	0.11	0.62	MS, KI

nd = not detected

Compounds listed according to their elution on DB5 column.

a: Kovats index.

b: Compound identified by GC-MS (MS) and / or by kovats index on DB5(KI) and / or by comparison of MS and KI of standard compound (St) run under similar GC-MS conditions.