



SUPPLEMENTARY MATERIAL TO

Influence of yeast and nutrients on the quality of apricot brandy

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TABLE S-I. Concentrations of the minor volatile compounds in the apricot brandies (mg L⁻¹)

Compound	AW1	AW2	RF1	RF2	TF1	TF2	SB1	SB2	TOP1	TOP2	CONT
Esters											
Benzyl acetate			2.37		2.59	2.55			2.55	2.02	2.63
Butyl acetate							8.21				
Ethyl 2-hydroxy- -3-methyl-butyrate	4.86	4.31	5.40	4.97	4.77	5.80	7.36	3.58	5.80	6.51	4.58
Ethyl 2-hydroxy- -hexanoate			1.59				3.24				
Ethyl benzoate	13.07	22.55	20.52	13.25	20.70	11.16	16.31	18.64	11.16	12.63	17.50
Ethyl butanoate	42.71	29.99	12.44	40.61	17.11	37.56	13.14	48.13	37.56	25.55	35.55
Ethyl (E)-cinnamate	24.16	36.77	35.22	32.06	29.20	38.36	26.26	38.74	38.36	41.09	33.81
Ethyl (Z)-cinnamate	9.70	11.50	10.50	10.18	7.47	10.19	11.19	5.85	10.19	8.07	6.97
Ethyl dodecanoate	2.69		3.80				6.75		6.75	4.76	4.55
Ethyl lactate	1670.7	1849.2	1851.1	1756.6	2059.4	2871.4	1700.0	1960.1	2871.4	1973.1	3041.1
Ethyl linolenate	29.93	42.69	48.10	1535.0	1812.1		52.65	66.75			80.18
Ethyl linoleate	7.35	38.29	9.90	31.31	49.31	34.52			34.52	29.23	64.30
Ethyl octanoate	39.88	56.34	82.40	51.59	27.33	90.69	49.76	82.17	90.69	49.50	1198.9
Ethyl oleate	262.4	604.6	419.4	564.1	799.2	783.3	539.7	613.0	783.3	464.3	537.0
Ethyl palmitate	379.9	403.5	46.4	1330.6	1272.5	1137.6	492.3	644.2	1137.6	32.9	711.8
Ethyl salicylate											13.0
Ethyl tetradecanoate	13.6	43.4	70.6	73.5	110.6	124.4			124.4	51.9	63.7
2-Phenylethyl acetate		43.9	16.4		43.9	39.4			39.4	16.4	21.3
Isoamyl acetate	69.4	299.7	212.9	355.7	156.3	387.0	254.7	552.2	387.0	320.1	634.7

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TABLE S-I. Continued

Compound	AW1	AW2	RF1	RF2	TF1	TF2	SB1	SB2	TOP1	TOP2	CONT
Esters											
Isoamyl lactate	28.1	50.9	0.0921	0.0831	0.3613	0.1110	0.1316	0.0370	0.1110	0.0864	0.0660
Methyl salicylate	0.2734			343.8				49.8			233.8
Alcohols											
1-Butanol	2806.7	2721.1	1246.6	1997.8	2265.4	1928.1	2607.9	3003.9	1928.1	2683.5	3.3729
2,6,6-Trimethyl-1-cyclohexen-1-ethanol	67.3	55.1	75.0	67.3	64.4	80.0	69.8	46.5	80.0	62.2	83.9
3-(Z)-Hexenol	68.0	110.4	90.6	115.3	190.5	119.0	146.8	144.2	119.0	171.4	88.0
3-(Z)-Octenol	59.4		105.1	71.3	93.9	80.7	93.4	24.6	80.7	83.9	74.4
3-(Z)-Nonenol			39.9	63.8	58.6	50.7			50.7	48.8	46.3
3-Methyl-2-butanol	57.5		30.9		37.8	48.9	28.6	52.6	48.9	53.9	63.0
3-Methyl-2-buten-1-ol	41.9	51.2	36.4	53.3	47.7	52.6			52.6	55.9	59.9
3-Methylpentanol	45.5	51.9	41.6	49.9	42.6	45.8			45.8	69.1	85.4
4-(Z)-Decenol		63.7	53.6	70.8	90.7	79.2	58.3	62.8	79.2	80.3	63.3
4-Methyl pentanol	31.6	28.5	18.9			19.7			19.7	33.3	33.0
5-(Z)-Octenol					17.98					20.4	
Benzyl alcohol	41.3	134.0	70.5			160.6		65.0	160.6	78.5	69.7
1-Decanol			46.6			39.6			39.6		29.6
2-Phenylethanol	5882.7	5474.4	4191.2	4340.5	95.0	4635.8	2980.6	4073.9	4635.8	2661.8	4911.8
1-Hexanol	2968.6	3100.1	2497.3	3043.2	2672.9	2621.9	2879.5	2742.2	2621.9	3556.4	3575.6
1-Heptanol			65.7			55.7			55.7	93.6	
Isoamyl alcohol	210371	230716	138205	179959	157104	176370	192592	223657	176370	203089	253261
Isobutyl alcohol	44033	46752	15046	22482	35099	33460	36641	41785	33460	29637	52620
1-Nonanol	89.2	102.2	39.7	165.2	151.1	46.8	132.5	133.7	46.8	50.8	134.3
1-Octanol	170.2	120.1	160.0		165.3	151.7	131.0	153.5	151.7	196.2	241.6
1-Pentanol	272.1	307.9	210.0	249.5	246.3	221.1	284.1	276.0	221.1	301.9	350.6
1-Propanol	56543	58690	13480	24164	25300	27607	69457	71575	27607	43822	56553
Acids											
2-Methylbutanoic acid			41.9	78.56	2113.7	19.1	1308.8		19.1	377.8	
Decanoic acid	1918.6	3535.1	5469	4584.3	5570.1	5041.8	4699.8	3943.5	5041.8	5809.8	3315.9
Dodecanoic acid	1547.9	2162.5	2527.5	2093.4	3074.8	2599.2	2199.1	2210.6	2599.2	2072.6	2625.6
2-Furanoic acid	52.0	66.3	84.5	95.2	102.1	120.5	51.6		120.5	137	61.8
Hexadecanoic acid	1222.7	935.0	1348.1	1747.7	2000.7	1513.9	907.2	848.6	1513.9	1340.7	1203.4
Octanoic acid	187.9	862.7	1887	2483.8	2807.9	1690	2628.2	1084.5	1690	3270.7	313.1
Acetic acid	40.2	43.9	30.4	214.2	590.6	44.2	395	80	44.2	37	110.6

TABLE S-I. Continued

Compound	AW1	AW2	RF1	RF2	TF1	TF2	SB1	SB2	TOP1	TOP2	CONT
Aldehydes and ketones											
Benzaldehyde	56.3	142.5	67.9	123.5	98.8	135.2	156.7	51.8	135.2	84.4	113.7
Furfural	818.3	441.3	687.4	663.1	1964.9	1312.2	873.6	756.3	1312.2	944.1	583.1
3-Nonen-2-one	278.6	288.5	329.2	392.5	345	313.4	316.8	455.5	313.4	290.8	312.1
Terpenes and C13-norisoprenoids											
Citronellol		333	352.3	386.2	298.3	285.4	197.4	358.2	285.4	342.2	88.6
Dihydro- β -ionol	118	123.7	162	107.2	89	100.9	52.3	88.3	100.9	61	127.1
Dihydro- β -ionone	219.6	139.7	132.1	189.6	178	129.7	149.4	216.1	129.7	127.4	171.6
Eugenol	59.4	133.4	166.2	136.5	194.5	170.2	109.9	155.7	170.2	123	134.1
Geraniol	1002.2	1004.3	1104	1933.7	2281.4	1046.2	1856.4	1248.2	1046.2	1463.9	980.9
Limonen-10-ol	45.9	46.8	51.8	51.6	59.9	72.1			72.1	36.2	46.9
(3 <i>R</i> ,6 <i>R</i>)-2,2,6-tri-methyl-6-vinyl-tetrahydro-2 <i>H</i> -pyran-3-ol			40.9		46.3	45.2			45.2	39.2	48.4
Linalool	4765.6	4427.5	4622.5	5325	4962.8	4393.7	5003.5	5769.3	4393.7	3798	4512.7
Linalool oxide (epoxide)	148.3	128	27.7							27.6	30.9
(3 <i>R</i> ,6 <i>S</i>)-2,2,6-tri-methyl-6-vinyl-tetrahydro-2 <i>H</i> -pyran-3-ol			159	198.2	308.8	211.4	193.9		211.4	182.4	148.3
Menthen-9-ol	93.9	88.4		93.2		126.1	69.3	169.7	126.1	80.4	122.3
Nerol	344	311.2	331.4	56.2	347.3	326.6	334.6	389.1	326.6	272.3	337.1
α -Ionol	58.2		76.7	84.9	135.2	97.6	97.1	42.9	97.6	64.7	66.2
α -Terpineol	2179.1	2281.9	2641	3077.8	4147.5	2744.4	2774.5	2751.5	2744.4	2439.8	2166
β -Cyclocitral	86.3	102.9	155.2	133.1	43.4	111.7	123.8	92.2	111.7	155.1	102.2
β -Pinene	93.7	120.1	120.7	134.1	164.1	150.3	86.2	118.1	150.3	89.9	125
γ -Decalactone	2330.7	2349.4	2561.6	2606.9	2646.5	2691.6	2623.3	2935.9	2691.6	2803.3	2366.6