

Supplemental Data for:

Caffrey A, Lerno L, Rumbaugh A, Girardello R, Zweigenbaum J, Oberholster A and Ebeler SE. 2019.

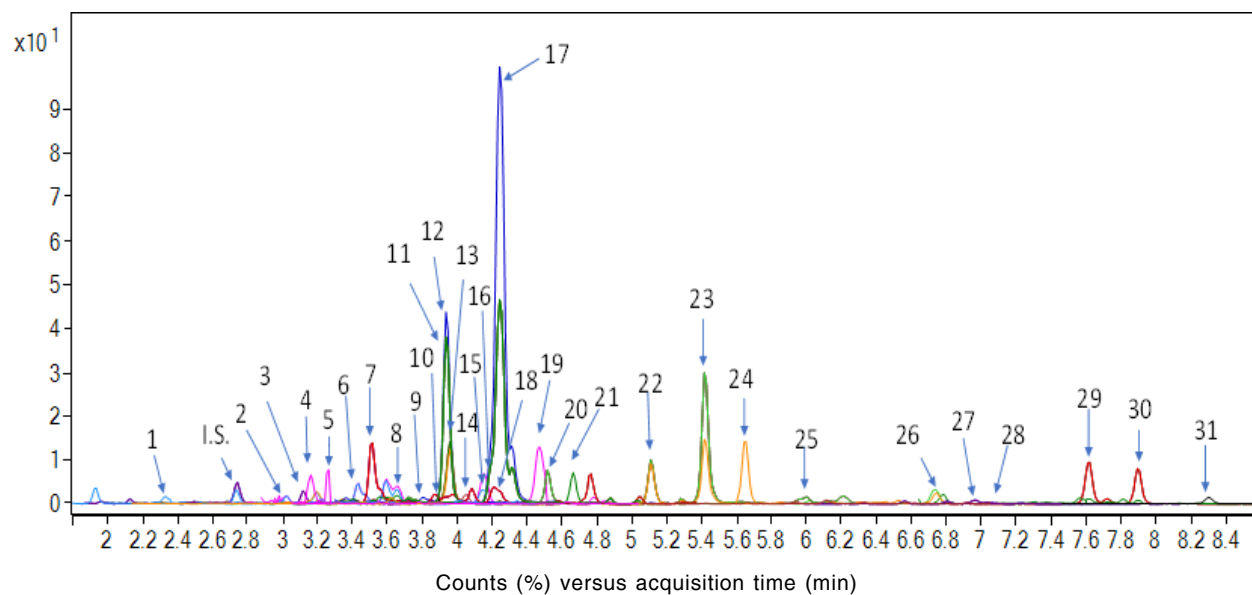
Changes in smoke-taint volatile-phenol glycosides in wildfire smoke-exposed Cabernet Sauvignon grapes throughout winemaking. *Am J Enol Vitic* 70:373-381. doi: 10.5344/ajev.2019.19001.**Supplemental Table 1** Analysis of variance results for changes in volatile-phenol glycosides during winemaking.
Df, degrees of freedom; Sum Sq, sum of squares; Mean Sq, mean square.

Compound	Df	Sum Sq	Mean Sq	F value	Pr (>F)
Hexose-syringol	4	53.46	13.36	144.95	3.10E-23
Hexose-guaiacol	4	107.24	26.81	631.77	1.47E-35
Hexose-cresol 1	4	778.33	194.58	4.03	0.007702
Hexose-4-methylguaiacol	4	15.37	3.84	65.21	5.47E-17
Hexose-4-methylsyringol	4	1481.03	370.26	71.75	1.04E-17
Hexose-cresol 2	4	1.26	0.31	12.29	1.31E-06
Deoxyhexose-eugenol	4	63.97	15.99	81.41	1.13E-18
Deoxyhexose-cresol	4	146.57	36.64	11.38	2.92E-06
Hexose-pentose-guaiacol	4	83.58	20.90	1012.95	1.32E-39
Hexose-pentose-4-methylguaiacol 2	4	948.23	237.06	273.85	1.76E-28
Pentose-pentose-phenol 1	4	116.28	29.07	556.76	1.77E-34
Deoxyhexose-pentose-phenol 1	4	92.28	23.07	172.08	1.24E-24
Hexose-hexose-4-methylguaiacol	4	416.41	104.10	10.91	4.49E-06
Pentose-hexose-cresol	4	34469.20	8617.30	127.83	3.19E-22
Hexose-pentose-4-methylguaiacol 1	4	209.95	52.49	224.96	7.67E-27
Hexose-pentose-4-methylguaiacol 3	4	21.79	5.45	99.43	3.16E-20
Deoxyhexose-hexose-cresol	4	12.92	3.23	96.52	5.40E-20
Pentose-hexose-4-ethylphenol	4	1.86	0.47	136.64	9.29E-23
Pentose-pentose-4-ethylguaiacol	4	822.05	205.51	364.67	6.89E-31
Deoxyhexose-hexose-4-ethylphenol	4	182.06	45.52	19.00	7.97E-09
Pentose-pentose-phenol 3	4	23.06	5.77	13.30	5.60E-07
Deoxyhexose-pentose-phenol 2	4	57.04	14.26	26.94	6.98E-11
Pentose-pentose-cresol	4	94.41	23.60	30.57	1.10E-11
Hexose-hexose-hexose-4-ethylphenol	4	15.54	3.88	241.74	1.93E-27
Hexose-hexose-pentose-4-methylguaiacol	4	1.19	0.30	367.44	5.95E-31
Pentose-hexose-pentose-4-methylguaiacol	4	0.10	0.02	19.40	6.09E-09
Pentose-pentose-hexose-cresol	4	4.65	1.16	105.21	1.14E-20
Hexose-hexose-pentose-cresol	4	0.02	0.01	2.55	0.053563
Deoxyhexose-hexose-pentose-phenol	4	1.87	0.47	1279.75	1.28E-41
Pentose-pentose-pentose-cresol	4	0.57	0.14	29.67	1.71E-11
Deoxyhexose-pentose-pentose-phenol	4	0.04	0.01	3.03	0.028575

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Supplemental Figure 1 Sample chromatogram showing the results of a grape extraction. Number labels on the chromatogram correspond to the compound numbers listed in Table 1.