Supplementary material

Table S1. Concentrations of volatile phenols in grape juice (μg/L) and their glycoconjugates in grape homogenate (μg/kg) one hour after smoke treatments

	Smoke compound	C		CM		HS		HSM		LS	
		Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Volatile phenols	guaiacol	10^{a}	6	3^{a}	0	108^{b}	34	76^{c}	5	12^{a}	2
	4-methylguaiacol	4^{a}	1	4^{a}	0	20^{b}	8	13^{b}	2	4^{a}	0
	phenol	3^{a}	2	2^{a}	0	55^{b}	32	39^{b}	8	7^{a}	2
	4-methylsyringol	3^{ab}	1	2^{b}	0	17^{c}	7	9^{a}	1	3^{b}	0
	syringol	21^{ab}	7	8^{a}	3	126^{c}	56	59^{b}	5	25^{ab}	6
	total cresols	5^{a}	3	3^{a}	1	83^{b}	33	59^{b}	10	12^{a}	1
Volatile phenol glycoconjugates	GuPG	5.0^{a}	0.7	2.7^{a}	0.5	18.7^{b}	6.1	7.6^{a}	0.5	4.0^{a}	0.8
	GuGG	0.1^{a}	0.0	0.1^{a}	0.0	1.1^{b}	0.3	0.6^{c}	0.0	0.2^{a}	0.0
	GuMG	0.4^{a}	0.4	0.1^{a}	0.1	24.4^{b}	7.3	9.0^{c}	2.1	1.5^{a}	0.2
	GuRG	nd	-	nd	-	1.0^{a}	0.3	0.7^{a}	0.2	1.0^{a}	0.3
	MGuPG	1.2^{a}	0.5	0.6^{a}	0.1	9.2^{b}	2.2	4.5^{c}	0.5	1.0^{a}	0.1
	MGuRG	0.9^{a}	0.4	0.8^{a}	0.2	4.5^{b}	0.9	2.3^{c}	0.2	1.0^{a}	0.1
	PhRG	0.6^{a}	0.2	0.4^{a}	0.1	3.0^{c}	0.8	1.3^{b}	0.1	1.0^{ab}	0.1
	PhGG	0.0^{a}	0.0	0.0^{a}	0.0	0.4^{c}	0.1	0.2^{b}	0.0	0.1^{ab}	0.0
	PhPG	3.0^{a}	1.4	1.6^{a}	0.2	17.8^{c}	6.2	8.7^{b}	0.4	4.0^{ab}	0.4
	PhMG	0.2^{a}	0.1	0.1^{a}	0.1	1.0^{b}	0.3	1.6^{b}	0.9	0.2^{a}	0.0
	CrPG	11.8^{a}	3.2	8.4^{a}	0.3	35.7^{c}	10.0	0.5^{b}	0.0	13.3^{ab}	0.7
	CrGG	0.6^{a}	0.1	0.5^{b}	0.1	0.5^{ab}	0.0	0.5^{b}	0.0	0.2^{c}	0.1
	CrRG	2.7^{a}	0.8	1.8^{a}	0.2	10.9^{b}	2.7	5.9^{c}	0.3	3.2^{a}	0.4
	SyGG	3.7^{a}	1.3	2.5^{a}	0.2	44.4^{c}	11.1	17.5^{b}	2.0	9.1^{ab}	0.7
	SyMG	1.1^{a}	0.8	0.3^{a}	0.1	22.8^{b}	5.7	6.6^{c}	0.8	1.3^{a}	0.1
	SyPG	1.1^{a}	0.3	0.9^{a}	0.1	3.6^{c}	0.8	2.0^{b}	0.1	1.4^{ab}	0.1
	MSyGG	1.0^{a}	0.6	0.4^{a}	0.0	10.7^{b}	2.3	4.0^{c}	1.1	1.5^{a}	0.1
	MSyPG	0.1^{a}	0.0	0.1^{a}	0.0	0.4^{b}	0.0	0.2^{c}	0.1	0.1^{a}	0.0

Abbreviations: C = control without misting; CM = control with misting; LS = low density smoke exposure; HS = high density smoke exposure without misting; HSM = high density smoke exposure with misting. Gu = guaiacol; Cr = cresol; Ph = phenol; Sy = syringol; 4MG = 4-methylguaiacol; MSy = 4-methylsyringol; MG = monoglucoside; GG = glucose-glucoside; PG = pentose-glucoside; R = rutinoside; SD= standard deviation; nd = not detected. Means followed by different letters are statistically significant based on Fisher's least significant difference (LSD) *post hoc* test (α= 0.05).