

Supplemental data. Carbonyls detected in tobacco leaves.

rRT	Carbonyl *	Leaf content / nmol (g fresh weight) <sup>-1</sup>			
		SR1		P1#14	P1#18
0.055	U	44.43 ±	2.57	67.79 ± 4.18	109.85 ± 9.58
0.076	U	23.99 ±	1.56	25.77 ± 7.11	37.22 ± 2.37
0.090	U	23.70 ±	7.76	23.45 ± 1.40	29.29 ± 1.30
0.150	U	34.19 ±	1.05	42.94 ± 3.66	53.30 ± 3.74
0.180	formaldehyde	21.62 ±	0.59	24.18 ± 1.07	25.94 ± 1.35
0.200	U	6.49 ±	0.97	9.21 ± 1.62	13.30 ± 1.81
0.236	acetaldehyde	8.32 ±	1.05	11.80 ± 1.18	16.48 ± 0.86
0.255	HHE	3.52 ±	0.26	3.61 ± 0.13	3.86 ± 0.42
0.276	U	1.98 ±	0.15	2.13 ± 0.52	2.88 ± 0.19
0.288	U	2.58 ±	0.06	2.45 ± 0.19	2.91 ± 0.23
0.298	U	2.38 ±	0.17	2.27 ± 0.20	3.15 ± 0.19
0.320	acetone	7.79 ±	0.57	10.63 ± 0.42	12.19 ± 1.12
0.343	acrolein	3.38 ±	0.36	2.30 ± 0.26	4.24 ± 1.08
0.381	propionaldehyde	2.92 ±	0.23	3.38 ± 0.40	4.39 ± 0.44
0.405	U	0.43 ±	0.08	0.73 ± 0.14	0.62 ± 0.14
0.423	U	0.41 ±	0.11	0.74 ± 0.26	0.37 ± 0.09
0.476	crotonaldehyde	0.98 ±	0.12	2.04 ± 0.54	1.42 ± 0.19
0.488	U	1.13 ±	0.20	1.24 ± 0.20	2.10 ± 0.10
0.534	butyraldehyde	1.06 ±	0.18	1.18 ± 0.05	1.92 ± 0.29
0.547	U	0.94 ±	0.07	0.70 ± 0.15	0.82 ± 0.12
0.575	U	2.60 ±	0.16	2.24 ± 0.11	2.83 ± 0.28
0.611	phenylacetaldehyde	1.04 ±	0.02	1.21 ± 0.26	3.62 ± 0.32
0.622	( <i>E</i> )-2-pentenal	1.49 ±	0.26	1.21 ± 0.24	2.49 ± 0.68
0.635	U	0.57 ±	0.18	0.68 ± 0.09	1.01 ± 0.27
0.650	U	2.31 ±	0.24	2.26 ± 0.18	4.76 ± 0.44
0.661	HNE	2.70 ±	0.24	2.89 ± 0.33	3.69 ± 0.30
0.672	<i>n</i> -pentanal	10.79 ±	0.96	9.17 ± 0.69	13.04 ± 0.73
0.692	( <i>Z</i> )-3-hexenal	26.77 ±	13.14	3.11 ± 2.18	4.63 ± 1.97
0.711	U	0.87 ±	0.12	0.52 ± 0.08	1.31 ± 0.17
0.717	U	1.07 ±	0.12	0.72 ± 0.35	1.95 ± 0.20
0.740	U	1.12 ±	0.44	0.36 ± 0.18	0.91 ± 0.04
0.761	( <i>E</i> )-2-hexenal	4.11 ±	1.10	1.13 ± 0.91	2.73 ± 0.75
0.776	U	0.46 ±	0.12	0.51 ± 0.10	0.93 ± 0.04
0.789	U	0.33 ±	0.08	0.30 ± 0.08	0.67 ± 0.13
0.799	<i>n</i> -hexanal	0.92 ±	0.04	1.13 ± 0.08	1.14 ± 0.11
0.819	U	0.26 ±	0.06	0.17 ± 0.03	0.47 ± 0.11
0.835	U	0.38 ±	0.06	0.37 ± 0.09	0.67 ± 0.25
0.846	U	1.04 ±	0.19	0.20 ± 0.06	1.29 ± 0.37
0.867	U	0.55 ±	0.04	0.18 ± 0.06	0.95 ± 0.08
0.887	( <i>E</i> )-2-heptenal	0.96 ±	0.26	0.33 ± 0.06	0.99 ± 0.24
0.902	U	2.17 ±	0.48	0.91 ± 0.16	1.46 ± 0.06
0.919	<i>n</i> -heptanal	0.38 ±	0.12	0.22 ± 0.03	0.66 ± 0.11
0.941	U	0.47 ±	0.11	0.18 ± 0.03	0.87 ± 0.16
0.958	U	1.66 ±	0.21	1.20 ± 0.17	1.59 ± 0.15
0.983	U	5.13 ±	0.20	4.55 ± 0.16	4.50 ± 0.46
1.000	I. S. (2-ethylhexanal)	-	-	-	-
1.043	U	0.46 ±	0.09	0.86 ± 0.18	0.45 ± 0.07
1.541	U	6.07 ±	3.84	12.14 ± 3.75	14.39 ± 5.56

\* U for unidentified species.