

Compounds	Whole period ( $n = 51$ )		Daytime ( $n = 25$ )		Nighttime ( $n = 26$ )	
	Mean	Range	Mean	Range	Mean	Range
Anhydrosugars						
Galactosan	0.59	0.02–3.9	0.56	0.04–3.6	0.62	0.02–3.9
Mannosan	1.4	0.06–10.2	1.2	0.08–5.2	1.6	0.06–10.2
Levoglucosan	7.3	0.09–64.3	6.1	0.09–41.2	8.4	0.10–64.3
Sugar alcohols						
Erythritol	1.3	n.d. <sup>a</sup> –16.9	0.87	0.02–4.60	1.6	n.d.–16.9
Arabitol	5.1	0.02–51.0	4.5	0.06–26.7	5.7	0.02–51.0
Mannitol	16.3	0.03–169	14.1	0.08–81.3	18.4	0.03–169
Inositol	0.57	0.01–7.7	0.47	0.01–2.8	0.67	0.01–7.7
Sugars						
Fructose	9.1	0.09–106	8.1	0.09–56.5	10.2	0.32–106
Glucose	18.8	0.31–209	17.8	0.31–106	19.7	0.47–209
Sucrose	11.7	0.09–216	9.7	0.14–136	13.5	0.09–216
Trehalose	9.4	0.08–96.0	9.1	0.08–60.7	9.7	0.10–96.0
Total measured saccharides	81.5	1.8–950	72.6	1.0–525	90.1	1.8–950
Isoprene SOA tracers						
2-Methylthreitol	1.5	0.01–12.7	1.2	0.04–5.2	1.9	0.01–12.7
2-Methylerythritol	3.2	0.02–29.1	2.5	0.08–11.8	3.9	0.02–29.1
Sum of 2-methyltetrols	4.8	0.03–41.9	3.8	0.11–17.0	5.7	0.03–41.9
2-Methylglyceric acid (2-MGA)	1.4	0.09–8.3	1.2	0.20–3.6	1.6	0.09–8.33
C <sub>5</sub> -Alkene triols <sup>b</sup>	2.2	0.03–14.6	2.1	0.06–14.6	2.3	0.03–13.8
Subtotal	8.4	0.15–64.0	7.1	0.42–35.2	9.6	0.15–64.0
$\alpha/\beta$ -pinene (monoterpene) SOA tracers						
3-Hydroxyglutaric acid (3-HGA)	2.2	0.03–14.1	2.3	0.08–14.1	2.1	0.03–7.7
Pinonic acid (PNA)	0.47	0.02–1.6	0.49	0.06–1.6	0.46	0.02–1.6
Pinic acid (PA)	3.4	0.16–14.9	3.4	0.28–14.9	3.3	0.16–13.6
MBTCA	5.6	n.d.–56.9	6.8	n.d.–56.9	4.5	n.d.–24.5
Subtotal	11.6	0.26–87.2	13.0	0.45–87.2	10.3	0.26–43.7
$\beta$ -caryophyllene (sesquiterpene) SOA tracers						
$\beta$ -Caryophyllinic acid	2.9	0.16–17.2	3.5	0.17–17.2	2.3	0.16–9.6
Total measured biogenic SOA tracers	22.9	1.1–135	23.6	1.4–135	22.2	1.1–115