

| Component                            | Total      |      |      | Daytime     |      |      | Nighttime |      |      |
|--------------------------------------|------------|------|------|-------------|------|------|-----------|------|------|
|                                      | Range      | Mean | SD   | Range       | Mean | SD   | Range     | Mean | SD   |
| Concentration (ngC m <sup>-3</sup> ) |            |      |      |             |      |      |           |      |      |
| Aerosol OC                           | 424–14 100 | 4260 | 3480 | 1030–14 100 | 4940 | 3800 | 424–9830  | 3600 | 3080 |
| Biomass burning OC                   | 1.1–790    | 89.6 | 156  | 1.1–506     | 75.5 | 117  | 1.3–790   | 103  | 187  |
| Fungal spore OC                      | 1.2–1840   | 180  | 334  | 1.3–911     | 157  | 249  | 1.2–1840  | 203  | 403  |
| Isoprene SOC*                        | 0.78–324   | 39.8 | 55.4 | 2.3–133     | 32.1 | 37.6 | 0.78–324  | 47.2 | 68.3 |
| Monoterpene SOC                      | 1.1–377    | 50.2 | 72.0 | 1.9–377     | 56.1 | 84.3 | 1.1–189   | 44.6 | 58.9 |
| Sesquiterpene SOC                    | 6.9–747    | 126  | 153  | 7.4–747     | 153  | 183  | 6.9–416   | 100  | 114  |
| Sum of biogenic SOC                  | 11.3–1060  | 216  | 250  | 13.7–1060   | 241  | 279  | 11.3–824  | 192  | 222  |
| Subtotal                             | 16.1–3460  | 486  | 688  | 29.8–2480   | 473  | 600  | 16.1–3460 | 498  | 776  |
| Percentage in aerosol OC (%)         |            |      |      |             |      |      |           |      |      |
| Biomass burning OC                   | 0.05–8.5   | 1.5  | 1.8  | 0.05–4.4    | 1.1  | 1.2  | 0.13–8.5  | 1.8  | 2.3  |
| Fungal spore OC                      | 0.03–19.8  | 3.1  | 4.0  | 0.03–16.6   | 2.6  | 3.7  | 0.18–19.7 | 3.5  | 4.2  |
| Isoprene SOC                         | 0.13–3.8   | 0.83 | 0.87 | 0.13–2.0    | 0.60 | 0.54 | 0.14–3.8  | 1.0  | 1.1  |
| Monoterpene SOC                      | 0.08–3.5   | 0.98 | 0.90 | 0.10–3.3    | 1.00 | 0.95 | 0.08–3.5  | 0.96 | 0.87 |
| Sesquiterpene SOC                    | 0.36–5.3   | 2.4  | 1.2  | 0.36–5.3    | 2.5  | 1.4  | 0.87–5.1  | 2.4  | 1.1  |
| Sum of biogenic SOC                  | 0.67–9.3   | 4.2  | 2.2  | 0.67–9.3    | 4.1  | 2.2  | 1.8–8.8   | 4.4  | 2.2  |
| Subtotal                             | 1.5–37.0   | 8.7  | 6.9  | 1.5–27.4    | 7.8  | 6.3  | 2.8–37.0  | 9.7  | 7.4  |