

| Abbreviation                | MO                   | RH <sup>a</sup>          | SF <sup>b</sup>             |
|-----------------------------|----------------------|--------------------------|-----------------------------|
| Full name                   | MOZART-4             | Reduced Hydrocarbon      | Super-Fast                  |
| Primary citation            | Emmons et al. (2010) | Houwelling et al. (1998) | Cameron-Smith et al. (2006) |
| Total tracers               | 103                  | 65 (89)                  | 15                          |
| Total reactions             | 212                  | 127 (202)                | 30                          |
| Reactions in NMHC chemistry | 108                  | 28                       | 2                           |
| Core hours/simulated year   | 615                  | 319                      | 165 (204)                   |
| Simulated years/day         | 2.5                  | 4.8                      | 9.3 (7.5)                   |
| Efficiency (compared to MO) | 1.0                  | 1.9                      | 3.7 (3.0)                   |