

| Sources                                     | Source (best estimate) <sup>a</sup><br>(Gg yr <sup>-1</sup> ) | Source (full range) <sup>a</sup><br>(Gg yr <sup>-1</sup> ) | Mean $\delta^2\text{H}$ value<br>‰ vs. VSMOV | Uncertainty<br>$\delta^2\text{H}$ value $\pm$ ‰ |
|---|---|--|--|---|
| Open field biomass burning                  | 355   | 142 to 569   | -236 <sup>b</sup>                            | 44  |
| Indoor biomass burning                      | 113   | 56 to 169  | -236 <sup>b</sup>                            | 44  |
| Tropical and subtropical plants             | 2040  | 1430 to 2650   | -202 <sup>c</sup>                            | 10  |
| Fungi                                       | 145   | 128 to 162   | ?  |   |
| Salt marshes                                | 85  | 1.1 to 170   | ?  |   |
| Coal combustion                             | 162   | 29 to 295  | ?  |   |
| Industrial chemical production <sup>d</sup> | 363   | 278 to 448   | -130 <sup>e</sup>                            | 20  |
| Oceans                                      | 700   | 510 to 910   | ?  |   |
| Others <sup>f</sup>                         | ~ 58  | 27 to 86   | ?  |   |
| Total sources                               | 3658 (4021)   | 2601 to 5459   |  |   |