



# Supplementary material: Hydrogen and hydrogen sulphide in volcanic gases: abundance, processes, and atmospheric fluxes

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**Supplementary Table 1.** Composition of high temperature ( $T > 600$  °C) magmatic gases (color background identifies the 3 settings—arc, non-arc and Etna)

**Supplementary Table 2.** Composition of lower temperature ( $T < 600$  °C) mixed (magmatic-hydrothermal) gases (color background identifies the 3 settings—arc, non-arc and Etna)

## Legend for Sample Type (column D)

F = Fumarole

R = Restored fumarolic gas composition

PL, Plume

## Legend for Methodology (column D)

DS, Direct Sampling

MG, Multi-GAS

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