

**Hydrogeochemical temporal variations related to the recent volcanic eruption at
Cumbre Vieja volcano, La Palma, Canary Islands**

Cecilia Amonte^{1,2}, Gladys V. Melián^{1, 2,3}, María Asensio-Ramos¹, Nemesio M. Pérez^{1, 2},
Eleazar Padrón^{1, 2} and Pedro A. Hernández^{1, 2}

¹*Instituto Volcanológico de Canarias (INVOLCAN), 38320, San Cristóbal de La Laguna,
Santa Cruz de Tenerife, España*

²*Instituto Tecnológico y de Energías Renovables (ITER), 38611 Granadilla de Abona,
Santa Cruz de Tenerife, España*

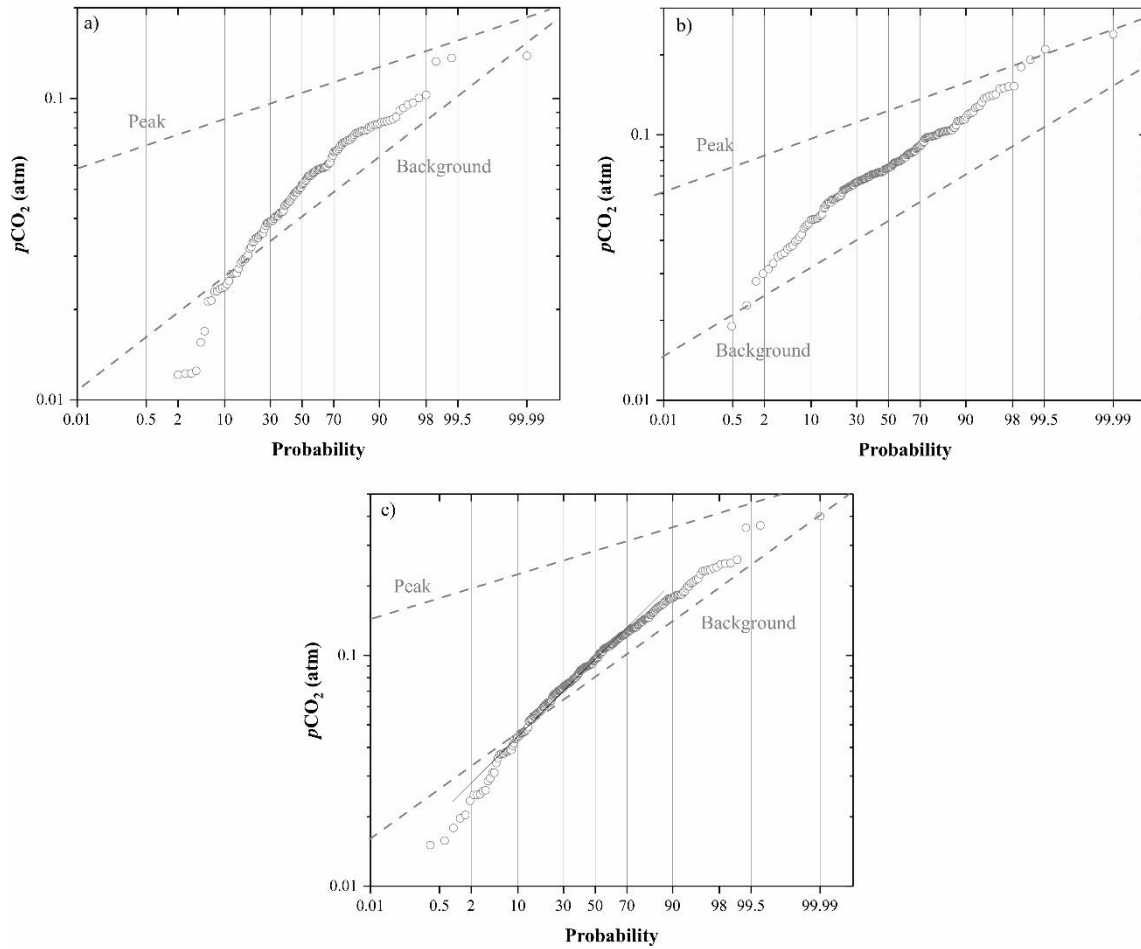
**Corresponding author*

MSc. Cecilia Amonte

Tel.: + 34 922 74 77 70

Fax: + 34 922 74 77 01

Email: cecilia@iter.es



Online Resource 2.- Cumulative frequency plots of partial pressure of CO₂ ($p\text{CO}_2$, atm) of groundwater from (A) Peña Horeb (PH), (B) Traslase Oeste (TO) and (C) Las Salinas collected during the period 2017-2022. Dashed lines indicate the background and peak log-normal populations.