



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

Cecilia Amonte<sup>1,2</sup>, Gladys V. Melián<sup>1, 2,3</sup>, María Asensio-Ramos<sup>1</sup>, Nemesio M. Pérez<sup>1, 2</sup>,  
Eleazar Padrón<sup>1, 2</sup> and Pedro A. Hernández<sup>1, 2</sup>

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

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

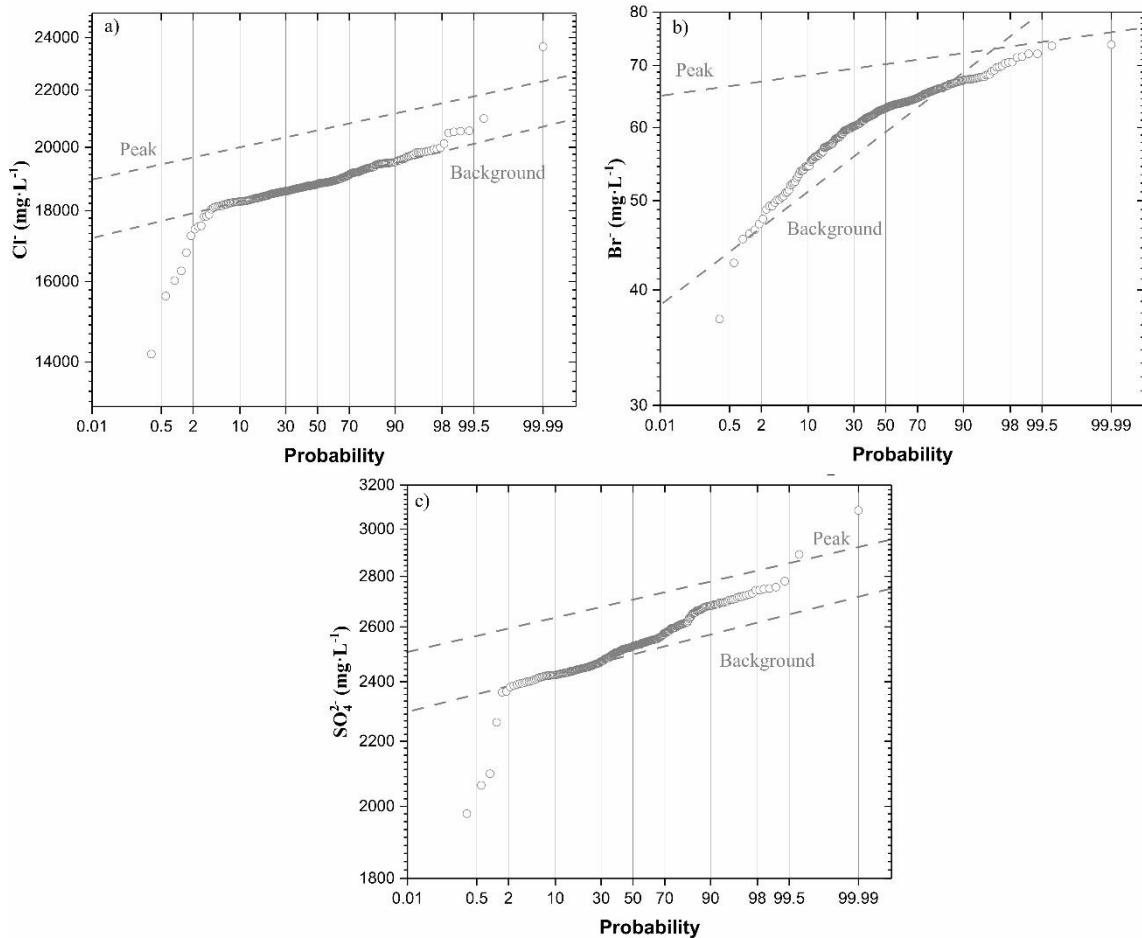
\*Corresponding author

**MSc. Cecilia Amonte**

**Tel.:** + 34 922 74 77 70

**Fax:** + 34 922 74 77 01

**Email:** cecilia@iter.es



**Online Resource 5.-** Cumulative frequency plots of (A)  $\text{Cl}^-$ , (B)  $\text{Br}^-$  and (C)  $\text{SO}_4^{2-}$  of groundwater from Las Salinas (LS) collected during the period 2017-2022. Dashed lines indicate the background and peak log-normal populations.