Supplementary material

Figure S1

Relationships between trace element concentrations with the main physicochemical parameters (temperature, pH, Eh) and TDS. In each figure a), b), c) and d) indicate respectively temperature, pH, Eh and TDS and the numbers indicate 1 = B, 2 = Be, 3 = Al, 4 = Ti, 5 = V, 6 = Cr, 7 = Mn, 8 = Fe, 9 = Co, 10 = Ni, 11 = Cu, 12 = Zn, 13 = As, 14 = Se, 15 = Rb, 16 = Sr, 17 = Mo, 18 = Cd, 19 = Sb, 20 = Cs, 21 = Ba, 22 = Tl, 23 = Pb and 24 = U.

Characterization of trace elements in thermal and mineral waters of Greece

Environmental Science and Pollution Research

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a1)
b1)
c1)
d1)
Log_{10} B (µg L^{-1})
T (°C)
pH
Eh (mV)
Log_{10} TDS (mg L^{-1})
a2)
b2)
c2)
d2)
Log_{10} Be (µg L^{-1})
a3)
b3)
c3)
d3)
Log_{10} Al (µg L^{-1})
a4)
b4)
c4)
d4)
Log_{10} Ti (µg L^{-1})
Thermal waters (TDS < 4 g L^{-1})
Thermal waters (TDS > 4 g L^{-1})
Cold gas-rich waters
Acidic waters
Hyperalkaline waters

a5)

b5)

c5)

d5)

Log$_{10}$ V (µg L^{-1})

T (°C)

pH

Eh (mV)

Log$_{10}$ TDS (mg L^{-1})

a6)

b6)

c6)

d6)

Log$_{10}$ Cr (µg L^{-1})

T (°C)

pH

Eh (mV)

Log$_{10}$ TDS (mg L^{-1})

a7)

b7)

c7)

d7)

Log$_{10}$ Mn (µg L^{-1})

T (°C)

pH

Eh (mV)

Log$_{10}$ TDS (mg L^{-1})

a8)

b8)

c8)

d8)

Log$_{10}$ Fe (µg L^{-1})

T (°C)

pH

Eh (mV)

Log$_{10}$ TDS (mg L^{-1})

a9)

b9)

c9)

d9)

Log$_{10}$ Co (µg L^{-1})

T (°C)

pH

Eh (mV)

Log$_{10}$ TDS (mg L^{-1})

△ Thermal waters (TDS < 4 g L^{-1}) ▲ Thermal waters (TDS > 4 g L^{-1}) ● Cold gas-rich waters ■ Acidic waters ◆ Hyperalkaline waters

a10)

b10)

c10)

d10)

Log_{10} Ni (µg L^{-1})

a11)

b11)

c11)

d11)

Log_{10} Cu (µg L^{-1})

a12)

b12)

c12)

d12)

Log_{10} Zn (µg L^{-1})

a13)

b13)

c13)

d13)

Log_{10} As (µg L^{-1})

a14)

b14)

c14)

d14)

Log_{10} Se (µg L^{-1})

T (°C)

pH

Eh (mV)

Log_{10} TDS (mg L^{-1})

△ Thermal waters (TDS < 4 g L^{-1}) ▲ Thermal waters (TDS > 4 g L^{-1}) ● Cold gas-rich waters ■ Acidic waters ◆ Hyperalkaline waters

a15)

a16)

a17)

a18)

a19)

b15)

b16)

b17)

b18)

b19)

c15)

c16)

c17)

c18)

c19)

d15)

d16)

d17)

d18)

d19)

Log_{10} Rb (µg L^{-1})

Log_{10} Sr (µg L^{-1})

Log_{10} Mo (µg L^{-1})

Log_{10} Cd (µg L^{-1})

Log_{10} Sb (µg L^{-1})

T (°C)

pH

Eh (mV)

Log_{10} TDS (mg L^{-1})

△ Thermal waters (TDS < 4 g L^{-1}) ▲ Thermal waters (TDS > 4 g L^{-1}) ● Cold gas-rich waters ■ Acidic waters ◆ Hyperalkaline waters

a20)

b20)

c20)

d20)

Log_{10} Cs (µg L^{-1})

a21)

b21)

c21)

d21)

Log_{10} Ba (µg L^{-1})

a22)

b22)

c22)

d22)

Log_{10} Tl (µg L^{-1})

a23)

b23)

c23)

d23)

Log_{10} Pb (µg L^{-1})

a24)

b24)

c24)

d24)

Log_{10} U (µg L^{-1})

T (°C)

pH

Eh (mV)

Log_{10} TDS (mg L^{-1})

△ Thermal waters (TDS < 4 g L^{-1}) ▲ Thermal waters (TDS > 4 g L^{-1}) ● Cold gas-rich waters ■ Acidic waters ◆ Hyperalkaline waters