

Couto *et al.*, (2015) - Shallow-water hydrothermal vents in the Azores (Portugal). *Journal of Integrated Coastal Zone Management / Revista de Gestão Costeira Integrada*, 15(4):495-505. DOI: 10.5894/rgci584 Supporting Information

Supporting Information

Table SI.I

Physical parameters and seawater composition at shallow-water hydrothermal vent sites in the Azores.

Parâmetros físicos e composição da água do mar em fontes hidrotermais de superfície nos Açores.

	D. João de Castro Bank	Lajedo	Espalamaca	Carapacho	Varadouro	Mosteiros (Beach)	Ferraria	Ribeira Quente (Lobeira)	Ribeira Quente (Beach)	Porto Formoso
Temperature (°C)	26.5-121	23.8	29	60	41	40	20.4-81	20-112	20-82	17.1-23.3
pH	4.12-7	8.29	7	7	6.5	7	5-8.5	5-6	5-7.8	5.5-7.8
TDS (mg/L)							85440.00			
Conductivity (µs/cm)							4220			
Alkalinity (mg/L)							454.0			
Salinity (‰)	36.13	36.14	36.17	36.14	36.17		21-36.8		21-30	30.4-37.6
Dissolved oxygen (mg/L)	5.29	5.45	5.15	5.43	5.42		25.05			
CO ₂ L (mg/L)							382.0			
NO ₃ (mg/L)	0.2	0.32	0.31	0.17	0.10		0.17			
NO ₂ (mg/L)							18.75			

Table S1.I (cont.)

Local	D. João de Castro Bank	Lajedo	Espalamaca	Carapacho	Varadouro	Mosteiros (Beach)	Ferraria	Ribeira Quente (Lobeira)	Ribeira Quente (Beach)	Porto Formoso
PO ₄ (mg/L)	0.07	0.09	0.05	0.13	0.10		0.67			
SiO ₃ (mg/L)	0.40	1.16	0.61	1.21	1.06					
SiO ₂ (mg/L)							192.60			
Na (mg/L)							1000.00			
K (mg/L)							568.00			
Ca (mg/L)							500.00			
SO ₄ (mg/L)							1814.00			
Cl (mg/L)							4009.40			
HCO ₃ (mg/L)							553.90			
S (μM)	0-404									
Al (mg/L)							200			
As (mg/L)							0.21			
B (mg/L)							6800			
Br (mg/L)							14138			
Cr (mg/L)							<50			
Hg (mg/L)							<20			
Li (mg/L)							1300			
Ni (mg/L)							240			
Sr (mg/L)							12300			
Zn (mg/L)							80			
Cu (mg/L)	0.89-4.96						160			
Pb (mg/L)	165.8-1220.5						4			
Ba (mg/L)	2.75-83.77									
Fe (mg/L)	223.38-6478.02						230			
Mn (mg/L)	5.49-707.60						3020			
Co (mg/L)	1.77-2.95									
Cd (mg/L)	0.56-0.67						<1			

Table S1.I (cont.)

Local	D. João de Castro Bank	Lajedo	Espalamaca	Carapacho	Varadouro	Mosteiros (Beach)	Ferraria	Ribeira Quente (Lobeira)	Ribeira Quente (Beach)	Porto Formoso
References	Cardigos, 2002; Cardigos <i>et al.</i> , 2002; 2005; Colaço <i>et al.</i> , 2006; MBL, 2009; Raghukumar <i>et al.</i> , 2008; Santos <i>et al.</i> , 1996; Sobrinho-Gonçalves & Cardigos, 2006	MBL, 2009	MBL, 2009	MBL, 2009	MBL, 2009	MBL, 2009	Aguiar, 1999; 2005; Albuquerque <i>et al.</i> , 2002; Carvalho <i>et al.</i> , 2009; 2011; Cruz <i>et al.</i> , 2010; Freire, 2006; MBL, 2009; Moore <i>et al.</i> , 1995; Vedel & Depledge, 1995; Wallenstein <i>et al.</i> , 2013	Aguiar, 1999; 2005; Manaia & Costa, 1991; Manaia <i>et al.</i> , 1994; MBL, 2009; Zillig <i>et al.</i> , 1990	Aguiar, 1999; 2005; Huber <i>et al.</i> , 1986; Manaia & Costa, 1991; MBL, 2009; Nunes <i>et al.</i> , 1992	Couto <i>et al.</i> , 2010; Wallenstein <i>et al.</i> , 2013