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Supporting information for:

High-precision low-level Cd isotopic analysis using MC-ICP-MS and its application to marine samples from Terra Nova Bay (Antarctica)

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Table S1 Element/Cd ratios before and after chromatographic isolation of Cd from the matrix.

		Na/Cd	Ca/Cd	Fe/Cd	Cu/Cd	Zn/Cd	Ge/Cd	Zr/Cd	Mo/Cd	Pd/Cd	Ag/Cd	In/Cd	Sn/Cd	Pb/Cd
Adamussium colbecki														
Tissue (1900s)	Pre-isolation	1236	8.43	2.63	0.11	2.42	0.02	0.03	0.01	0.00	43.17	0.00	0.00	0.00
	Post-isolation	0.32	0.19	0.07	0.00	0.11	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.02
Shell (1900s)	Pre-isolation	16752	53140	34.71	2.18	6.49	0.12	0.05	0.11	0.21	15.83	0.00	0.01	0.79
	Post-isolation	0.00	0.11	0.12	0.01	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Tissue (2022)	Pre-isolation	1969	8.99	7.01	0.18	5.13	0.02	0.03	0.04	0.00	46.90	0.00	0.00	0.00
	Post-isolation	0.19	0.22	0.10	0.00	0.09	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.09
Trematomus bernacchii (1990s)														
Spleen	Pre-isolation	426.60	2.99	57.19	0.41	5.14	0.01	0.03	0.02	0.00	24.01	0.00	0.00	0.00
	Post-isolation	0.13	0.18	0.02	0.00	0.11	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Liver	Pre-isolation	327	2.18	9.41	0.72	7.43	0.01	0.04	0.01	0.00	16.50	0.00	0.00	0.02
	Post-isolation	0.17	0.19	0.08	0.00	0.08	0.00	0.04	0.00	0.00	1.44	0.00	0.00	0.00
Gonads	Pre-isolation	36752	78.21	83.33	16.52	131.97	0.13	0.02	0.08	0.00	66.72	0.00	0.09	0.19
	Post-isolation	0.00	0.12	0.07	0.01	0.01	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.01
Trematomus bernacchii (2022)														
Liver (female)	Pre-isolation	1638	3.95	14.44	0.73	18.71	0.02	0.00	0.04	0.00	8.22	0.00	0.00	0.19
	Post-isolation	0.00	0.08	0.03	0.01	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Liver (male)	Pre-isolation	8270	10.33	75.17	1.87	45.42	0.07	0.00	0.10	0.00	42.09	0.00	0.07	0.20
	Post-isolation	0.00	0.07	0.05	0.01	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00

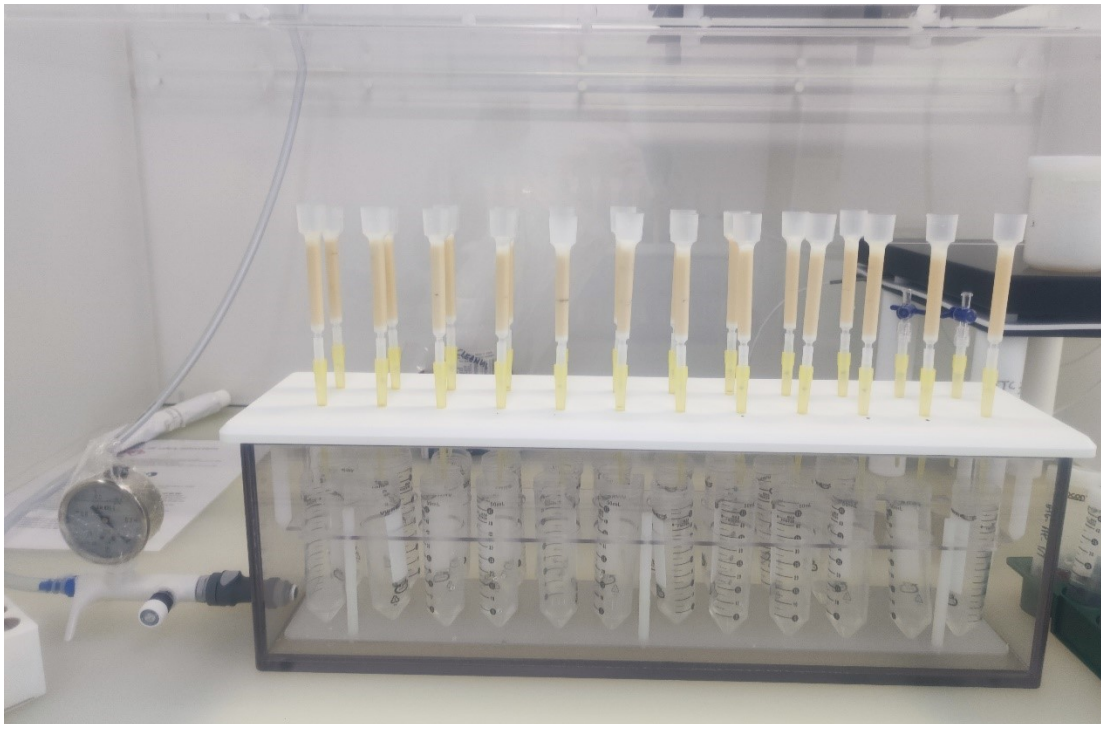

Figure S1 Vacuum box used for the chromatographic isolation procedure.