

		DO $\mu\text{mol kg}^{-1}$	Nitrate $\mu\text{mol kg}^{-1}$	$\delta^{15}\text{N}_{\text{N}+\text{N}}$ ‰	$\delta^{18}\text{O}_{\text{N}+\text{N}}$ ‰	PO_4 $\mu\text{mol kg}^{-1}$	SiO_2 $\mu\text{mol kg}^{-1}$	N_2O nM	$\delta^{15}\text{N}_{\text{N}_2\text{O}}$ ‰	$\delta^{18}\text{O}_{\text{N}_2\text{O}}$ ‰	TOC uM	$\Delta^{14}\text{C}$ ‰
Izu–Ogasawara (this study)	AVG	164.0	35.2	5.10	2.23	2.46	145.6	17.7	8.82	51.56	37.9	−206.6
	SD	0.27	0.41	0.15	0.11	0.06	0.2	1.3	0.22	0.26	1.1	4.4
	<i>n</i>	47	47	25	25	23*	11*	47	47	47	45	40
Izu–Ogasawara (G&S2018**)	AVG	165.7	35.1	NA	NA	2.39	~ 142	NA	NA	NA	NA	NA
	SD	0.7	0.3			0.04						
Mariana (this study)	AVG	171.7	34.7	5.13	2.24	NA	NA	17.1	8.70	51.11	37.6	−197.0
	SD	0.04	0.05	0.08	0.05			0.8	0.10	0.24	0.6	3.9
	<i>n</i>	10	10	7	7			10	10	10	10	10