

Table 3a. The median and standard deviation of SPT dipped blanks (db), and the percent of SPT samples that fell below the detection limit (DL). The median of shelf/slope and basin db are used in the blank subtraction for particulate trace metals (pTM) and d15N. For other particle composition calculations, the median and standard deviation of SPT db at all stations (outlier removed; see details in Data Processing section) are used. The detection limit (DL) was defined as three times the standard deviation of the dipped blanks.

	unit for median and std dev	Small size fraction (SPT)				
		median db (shelf)	median db (basin)	std dev db (shelf)	std dev db (basin)	% below detection limit (overall)
Ag	pmol	2.47	1.09	0.79	1.59	3.49%
Al	pmol	24656.55	3410.31	58529.76	11942.66	6.99%
Ba	pmol	571.20	225.69	268.87	330.21	3.49%
Cd	pmol	10.47	4.63	24.19	11.04	22.27%
Ce	pmol	10.12	0.86	5.56	1.34	3.49%
Co	pmol	25.26	11.75	20.95	5.48	0.87%
Cr	pmol	17796.23	14957.94	2756.11	4376.60	24.89%
Cu	pmol	317.64	114.25	101.91	113.04	1.31%
Fe	pmol	21526.05	2397.48	12157.44	1465.20	0.44%
La	pmol	5.13	0.63	2.79	0.64	3.06%
Mn	pmol	1677.40	542.08	2987.74	304.02	1.31%
Mo	pmol	258.76	267.39	47.02	34.55	0.00%
Nd	pmol	6.54	1.07	6.50	0.88	2.62%
Ni	pmol	355.58	140.17	68.43	291.33	5.68%
P	pmol	53053.88	12775.12	27986.49	6334.72	3.06%
Pb	pmol	29.47	9.58	16.20	12.62	3.49%
Sc	pmol	2.82	0.86	6.87	1.16	5.68%
Th	pmol	0.57	0.09	0.35	0.07	2.18%
Ti	pmol	1615.16	493.38	2064.43	687.80	2.18%
U	pmol	24.39	24.87	5.50	5.01	0.44%
V	pmol	192.11	70.57	109.45	49.71	2.62%
Y	pmol	10.04	3.71	3.42	1.35	0.87%
Zn	pmol	2237.11	1049.27	943.29	1122.04	14.85%
PIC	nmol C	593.36		350.30		22.32%
bSi	nmol Si	152.62		89.34		3.29%
POC	umol C	41.48		15.59		8.58%
PN	umol N	8.92		4.10		14.16%
<i>POC_13_12_DELTA</i>	permil	-29.73		2.21		N/A
<i>PN_15_14_DELTA</i>	permil	-8.61	-1.96	1.41	2.24	N/A

Table 3b. Same as Table 3a. but for the large size fraction (LPT).

	unit for median and std dev	Large size fraction (LPT)				
		median db (shelf)	median db (basin)	std dev db (shelf)	std dev db (basin)	% below detection limit (overall)
Ag	pmol	0.79	0.52	0.21	0.42	26.64%
Al	pmol	122151.01	15851.32	88822.49	14500.79	6.11%
Ba	pmol	375.22	136.58	281.95	76.14	3.49%
Cd	pmol	1.36	0.47	0.74	1.83	40.17%
Ce	pmol	17.16	1.62	8.95	1.38	3.93%
Co	pmol	18.06	6.87	25.48	6.29	2.18%
Cr	pmol	4453.38	6591.99	1824.07	2026.26	32.31%
Cu	pmol	95.30	85.22	64.32	129.65	6.55%
Fe	pmol	27430.94	5482.84	22397.50	5425.49	9.17%
La	pmol	8.63	1.00	4.72	0.87	4.37%
Mn	pmol	963.84	380.23	937.32	443.13	2.18%
Mo	pmol	127.10	98.70	58.75	34.10	14.85%
Nd	pmol	7.05	0.84	4.52	0.72	4.37%
Ni	pmol	79.39	-3.60	53.87	91.77	11.35%
P	pmol	15562.97	5826.26	4124.39	3395.65	6.11%
Pb	pmol	7.09	7.31	4.98	5.46	5.68%
Sc	pmol	14.38	1.88	11.07	2.61	5.68%
Th	pmol	0.67	0.21	0.54	0.17	7.86%
Ti	pmol	7651.08	1881.13	4388.04	1602.27	9.61%
U	pmol	7.37	5.55	1.82	0.58	0.00%
V	pmol	167.71	26.04	138.31	19.19	3.06%
Y	pmol	8.32	4.15	7.01	8.06	24.02%
Zn	pmol	602.00	524.91	490.05	609.21	20.96%
PIC	nmol C	927.88		591.22		53.91%
bSi	nmol Si	228.56		264.7		26.89%
POC	umol C	2.17		0.61		3.00%
PN	umol N	0.20		0.089		13.30%
<i>POC_13_12_DELTA</i>	permil	-22.50		0.83		N/A
<i>PN_15_14_DELTA</i>	permil	5.00	7.62	1.13	1.98	N/A