

List of parameters in the GEOTRACES Intermediate Data Product 2014 v2.

See the *Parameter_Naming_Conventions* document for a description of the naming scheme.

Note: Parameters starting with *Interpolated* (e.g., *Interpolated CTDSAL*) contain original measured values at sampled depths where such measurements exist and interpolated values (using the measured values as basis) at sampled depths where no such direct measurement exists.

	NAME	UNITS	DESCRIPTION
1	CTDPRS	dbar	Pressure from CTD sensor
2	Cast Identifier		
3	Sampling Device		
4	GEOTRACES Sample Number		
5	Bottle Number		
6	BODC Bottle Number		
7	Bottle Flag		
8	Rosette Position		
9	Firing Sequence		
10	DEPTH	m	Depth calculated from CTD pressure
11	CTDTMP	deg C	Temperature from CTD sensor
12	Interpolated CTDTMP	deg C	Interpolated temperature from CTD sensor
13	CTDSAL	pss-78	Practical salinity from CTD sensor
14	Interpolated CTDSAL	pss-78	Interpolated practical salinity from CTD sensor
15	SALNTY	pss-78	Practical salinity from bottle sample
16	Interpolated SALNTY	pss-78	Interpolated practical salinity from bottle sample
17	OXYGEN	umol/kg	Concentration of dissolved oxygen
18	Interpolated OXYGEN	umol/kg	Interpolated concentration of dissolved oxygen
19	CTDOXY	umol/kg	Concentration of dissolved oxygen from sensor on CTD
20	Interpolated CTDOXY	umol/kg	Interpolated concentration of dissolved oxygen from sensor on CTD
21	PHSPHT	umol/kg	Concentration of dissolved phosphate
22	Interpolated PHSPHT	umol/kg	Interpolated concentration of dissolved phosphate
23	PHSPHT_NM	umol/kg	Concentration of dissolved phosphate

24	SILCAT	umol/kg	Concentration of dissolved silicate
25	Interpolated SILCAT	umol/kg	Interpolated concentration of dissolved silicate
26	NITRAT	umol/kg	Concentration of dissolved nitrate
27	Interpolated NITRAT	umol/kg	Interpolated concentration of dissolved nitrate
28	NITRAT_NM	umol/kg	Concentration of dissolved nitrate
29	NITRIT	umol/kg	Concentration of dissolved nitrite
30	NITRIT_NM	umol/kg	Concentration of dissolved nitrite
31	NO2+NO3	umol/kg	Concentration of dissolved nitrite and nitrate
32	Interpolated NO2+NO3	umol/kg	Interpolated concentration of dissolved nitrite and nitrate
33	NH4	umol/kg	Concentration of dissolved ammonia
34	CFC-11	pmol/kg	Concentration of dissolved CFC-11
35	CFC-12	pmol/kg	Concentration of dissolved CFC-12
36	CFC113	pmol/kg	Concentration of dissolved CFC113
37	SF6	fmol/kg	Concentration of dissolved SF6
38	TALK	umol/kg	Concentration of total alkalinity
39	DIC	umol/kg	Concentration of dissolved inorganic carbon
40	PH_SWS		pH, referred to seawater scale
41	DOC	umol/kg	Concentration of dissolved organic carbon
42	POC	umol/kg	Concentration of particulate organic carbon
43	PON	umol/kg	Concentration of particulate organic nitrogen
44	TOC	umol/kg	Concentration of total organic carbon
45	TN	umol/kg	Concentration of total nitrogen
46	CHLORA	ug/kg	Concentration of Chlorophyll a via fluorometric method
47	PHAEOPIGMENTS	ug/kg	Concentration of Phaeopigments
48	He_4_D_CONC_BOTTLE	nmol/kg	Concentration of dissolved 4He
49	Ne_D_CONC_BOTTLE	nmol/kg	Concentration of dissolved Ne
50	TRITUM	TU	Concentration of tritium
51	DIC_13_D_DELTA_BOTTLE	per mil	Delta 13C of DIC
52	He_3_D_DELTA_BOTTLE	per mil	Delta 3He
53	H2O_2_D_DELTA_BOTTLE	per mil	Atom ratio of hydrogen isotopes in water expressed in conventional DELTA notation

54	H2O_18_D_DELTA_BOTTLE	per mil	Atom ratio of oxygen isotopes in water expressed in conventional DELTA notation
55	NO3_15_D_DELTA_BOTTLE	per mil	Atom ratio of dissolved N isotopes in nitrate expressed in conventional DELTA notation
56	NO3_15_TD_DELTA_BOTTLE	per mil	Delta 15N of nitrate
57	NO3_18_TD_DELTA_BOTTLE	per mil	Delta 18O of nitrate
58	SILICAT_30_D_DELTA_BOTTLE	per mil	Atom ratio of dissolved silicic acid Si isotopes expressed in conventional DELTA notation
59	H2O2_T_CONC_BOTTLE	nmol/kg	Concentration of hydrogen peroxide H2O2 (dissolved plus reactive particulate phase)
60	H2O2_D_CONC_BOTTLE	nmol/kg	Concentration of dissolved hydrogen peroxide H2O2
61	Ag_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Ag
62	Al_D_CONC_BOTTLE	nmol/kg	Concentration of dissolved Al
63	Al_TD_CONC_BOTTLE	nmol/kg	Concentration of dissolved Al (dissolved plus reactive particulate phase)
64	Ba_D_CONC_BOTTLE	nmol/kg	Concentration of dissolved Ba
65	Cd_D_CONC_BOTTLE	nmol/kg	Concentration of dissolved Cd
66	Cu_D_CONC_BOTTLE	nmol/kg	Concentration of dissolved Cu
67	Fe_D_CONC_BOTTLE	nmol/kg	Concentration of dissolved Fe
68	Fe_D_CONC_BOTTLE_FIA	nmol/kg	Concentration of dissolved Fe by flow-injection chemiluminescence
69	Fe_II_D_CONC_BOTTLE	nmol/kg	Concentration of dissolved Fe(II)
70	Fe_S_CONC_BOTTLE	nmol/kg	Concentration of operationally defined soluble Fe (colloids excluded)
71	Fe_TD_CONC_BOTTLE	nmol/kg	Concentration of total dissolvable Fe
72	Ga_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Ga
73	Hf_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Hf
74	I_D_CONC_BOTTLE	nmol/kg	Concentration of dissolved I
75	IO3_D_CONC_BOTTLE	nmol/kg	Concentration of dissolved Iodate
76	Mn_D_CONC_BOTTLE	nmol/kg	Concentration of dissolved Mn
77	Mo_D_CONC_BOTTLE	nmol/kg	Concentration of dissolved Mo
78	Ni_D_CONC_BOTTLE	nmol/kg	Concentration of dissolved Ni
79	Pb_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Pb
80	Ti_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Ti
81	U_D_CONC_BOTTLE	nmol/kg	Concentration of dissolved U
82	Zn_D_CONC_BOTTLE	nmol/kg	Concentration of dissolved Zn
83	Y_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Yttrium

84	La_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved La
85	Ce_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Ce
86	Pr_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Pr
87	Nd_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Nd
88	Sm_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Sm
89	Eu_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Eu
90	Gd_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Gd
91	Tb_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Tb
92	Dy_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Dy
93	Ho_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Ho
94	Er_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Er
95	Tm_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Tm
96	Yb_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Yb
97	Lu_D_CONC_BOTTLE	pmol/kg	Concentration of dissolved Lu
98	Nd_143_D_EPSILON_BOTTLE	per 10000	Atom ratio of dissolved Nd isotopes expressed in conventional EPSILON notation
99	Hf_176_D_EPSILON_BOTTLE	per 10000	Atom ratio of dissolved Hf isotopes expressed in conventional EPSILON notation
100	Cd_110_112_D_RATIO_BOTTLE		Atom ratio of given isotopes for dissolved Cd
101	Cd_114_D_EPSILON_BOTTLE	per 10000	Atom ratio of dissolved Cd isotopes expressed in conventional EPSILON notation
102	Fe_56_D_DELTA_BOTTLE	per mil	Atom ratio of dissolved Fe isotopes expressed in conventional DELTA notation
103	Pa_231_D_CONC_BOTTLE	uBq/kg	Concentration (or activity) of dissolved 231Pa
104	Pb_210_D_CONC_BOTTLE	mBq/kg	Concentration (or activity) of dissolved 210Pb
105	Po_210_D_CONC_BOTTLE	mBq/kg	Concentration (or activity) of dissolved 210Po
106	Ra_223_D_CONC_PUMP	uBq/kg	Concentration (or activity) of dissolved 223Ra
107	Ra_224_D_CONC_BOTTLE	mBq/kg	Concentration (or activity) of dissolved 224Ra
108	Ra_224_D_CONC_PUMP	mBq/kg	Concentration (or activity) of dissolved 224Ra
109	Ra_226_D_CONC_BOTTLE	mBq/kg	Concentration (or activity) of dissolved 226Ra collected with bottles
110	Ra_226_D_CONC_PUMP	mBq/kg	Concentration (or activity) of dissolved 226Ra collected with ISP
111	Ra_228_D_CONC_BOTTLE	mBq/kg	Concentration (or activity) of dissolved 224Ra
112	Ra_228_D_CONC_PUMP	mBq/kg	Concentration (or activity) of dissolved 228Ra
113	Th_228_D_CONC_BOTTLE	uBq/kg	Concentration (or activity) of dissolved 228Th

114	Th_230_D_CONC_BOTTLE	uBq/kg	Concentration (or activity) of dissolved 230Th
115	Th_232_D_CONC_BOTTLE	pmol/kg	Concentration (or activity) of dissolved 232Th
116	Th_234_T_CONC_BOTTLE	mBq/kg	Concentration (or activity) of total 234Th
117	Th_234_D_CONC_BOTTLE	mBq/kg	Concentration (or activity) of dissolved 234Th
118	Cs_137_D_CONC_BOTTLE	mBq/kg	Concentration (or activity) of dissolved 137Cs
119	Np_237_D_CONC_BOTTLE	uBq/kg	Concentration of dissolved 237Np
120	Pu_239_D_CONC_BOTTLE	uBq/kg	Concentration of dissolved 239Pu
121	Pu_239_Pu_240_D_CONC_BOTTLE	mBq/kg	Concentration (or activity) of dissolved 239Pu+240Pu
122	Pu_240_239_D_RATIO_BOTTLE		Atom ratio of given isotopes for dissolved Pu
123	Pu_240_D_CONC_BOTTLE	uBq/kg	Concentration of dissolved 240Pu
124	Filtration_Volumn	l	Sample volume (filtration)
125	Al_TP_CONC_BOTTLE	nmol/kg	Concentration of total particulate aluminium determined by filtration from a water sampling bottle
126	Al_TPL_CONC_BOTTLE	nmol/kg	Concentration of labile particulate aluminium determined by filtration from a water sampling bottle
127	Al_TPR_CONC_BOTTLE	nmol/kg	Concentration of refractory particulate aluminium determined by filtration from a water sampling bottle
128	Ba_TP_CONC_BOTTLE	pmol/kg	Concentration of total particulate barium determined by filtration from a water sampling bottle
129	Cd_TP_CONC_BOTTLE	pmol/kg	Concentration of total particulate cadmium determined by filtration from a water sampling bottle
130	Cd_TPL_CONC_BOTTLE	pmol/kg	Concentration of labile particulate cadmium determined by filtration from a water sampling bottle
131	Cd_TPR_CONC_BOTTLE	pmol/kg	Concentration of refractory particulate cadmium determined by filtration from a water sampling bottle
132	Co_TP_CONC_BOTTLE	pmol/kg	Concentration of total particulate cobalt determined by filtration from a water sampling bottle
133	Co_TPL_CONC_BOTTLE	pmol/kg	Concentration of labile particulate cobalt determined by filtration from a water sampling bottle
134	Co_TPR_CONC_BOTTLE	pmol/kg	Concentration of refractory particulate cobalt determined by filtration from a water sampling bottle
135	Fe_TP_CONC_BOTTLE	nmol/kg	Concentration of total particulate iron determined by filtration from a water sampling bottle
136	Fe_TPL_CONC_BOTTLE	nmol/kg	Concentration of labile particulate iron determined by filtration from a water sampling bottle
137	Fe_TPR_CONC_BOTTLE	nmol/kg	Concentration of refractory particulate iron determined by filtration from a water sampling bottle
138	Mn_TP_CONC_BOTTLE	nmol/kg	Concentration of total particulate manganese determined by filtration from a water sampling bottle
139	Mn_TPL_CONC_BOTTLE	nmol/kg	Concentration of labile particulate manganese determined by filtration from a water sampling bottle
140	Mn_TPR_CONC_BOTTLE	nmol/kg	Concentration of refractory particulate manganese determined by filtration from a water sampling bottle
141	P_TP_CONC_BOTTLE	nmol/kg	Concentration of total particulate phosphorus determined by filtration from a water sampling bottle
142	P_TPL_CONC_BOTTLE	nmol/kg	Concentration of labile particulate phosphorus determined by filtration from a water sampling bottle
143	P_TPR_CONC_BOTTLE	nmol/kg	Concentration of refractory particulate phosphorus determined by filtration from a water sampling bottle

144	Ti_TP_CONC_BOTTLE	nmol/kg	Concentration of total particulate titanium determined by filtration from a water sampling bottle
145	Ti_TPL_CONC_BOTTLE	nmol/kg	Concentration of labile particulate titanium determined by filtration from a water sampling bottle
146	Ti_TPR_CONC_BOTTLE	nmol/kg	Concentration of refractory particulate titanium determined by filtration from a water sampling bottle
147	La_TP_CONC_BOTTLE	pmol/kg	Concentration of total particulate lanthanum determined by filtration from a water sampling bottle
148	Ce_TP_CONC_BOTTLE	pmol/kg	Concentration of total particulate cerium determined by filtration from a water sampling bottle
149	Pr_TP_CONC_BOTTLE	pmol/kg	Concentration of total particulate praseodymium determined by filtration from a water sampling bottle
150	Nd_TP_CONC_BOTTLE	pmol/kg	Concentration of total particulate neodymium determined by filtration from a water sampling bottle
151	Sm_TP_CONC_BOTTLE	pmol/kg	Concentration of total particulate samarium determined by filtration from a water sampling bottle
152	Gd_TP_CONC_BOTTLE	pmol/kg	Concentration of total particulate gadolinium determined by filtration from a water sampling bottle
153	Tb_TP_CONC_BOTTLE	pmol/kg	Concentration of total particulate terbium determined by filtration from a water sampling bottle
154	Dy_TP_CONC_BOTTLE	pmol/kg	Concentration of total particulate dysprosium determined by filtration from a water sampling bottle
155	Ho_TP_CONC_BOTTLE	pmol/kg	Concentration of total particulate holmium determined by filtration from a water sampling bottle
156	Er_TP_CONC_BOTTLE	pmol/kg	Concentration of total particulate erbium determined by filtration from a water sampling bottle
157	Tm_TP_CONC_BOTTLE	pmol/kg	Concentration of total particulate thulium determined by filtration from a water sampling bottle
158	Yb_TP_CONC_BOTTLE	pmol/kg	Concentration of total particulate ytterbium determined by filtration from a water sampling bottle
159	Lu_TP_CONC_BOTTLE	pmol/kg	Concentration of total particulate lutetium determined by filtration from a water sampling bottle
160	Po_210_TP_CONC_BOTTLE	mBq/kg	Concentration of total particulate Po-210 determined by in situ filtration (bottle) without size fractionation
161	Pb_210_TP_CONC_BOTTLE	mBq/kg	Concentration of total particulate Pb-210 determined by in situ filtration (bottle) without size fractionation
162	Fe_56_TP_DELTA_BOTTLE	per mil	Atom ratio of particulate Fe isotopes expressed in conventional DELTA notation
163	POC_LP_CONC_PUMP	umol C/kg	Concentration of particulate organic carbon determined by in situ filtration (pump) collected on a prefilter (large particles)
164	POC_SP_CONC_PUMP	umol C/kg	Concentration of particulate organic carbon determined by in situ filtration (pump) collected on a main filter (small particles)
165	BSi_TP_CONC_PUMP	umol Si/kg	Concentration of particulate biogenic silicon determined by in situ filtration (pump) without size fractionation
166	PARTICLEMASS_TP_CONC_PUMP	ug/kg	Concentration of particulate mass (dry weight) determined by in situ filtration (pump) without size fractionation
167	CHOLESTEROL_LP_CONC_PUMP	ng/kg	Concentration of particulate cholesterol determined by in situ filtration (pump) collected on a prefilter (large particles)
168	CHOLESTEROL_SP_CONC_PUMP	ng/kg	Concentration of particulate cholesterol determined by in situ filtration (pump) collected on a main filter (small particles)
169	BRASSICASTEROL_LP_CONC_PUMP	ng/kg	Concentration of particulate brassicasterol determined by in situ filtration (pump) collected on a prefilter (large particles)

170	BRASSICASTEROL_SP_CONC_PUMP	ng/kg	Concentration of particulate brassicasterol determined by in situ filtration (pump) collected on a main filter (small particles)
171	Ag_TP_CONC_PUMP	pmol/kg	Concentration of total particulate silver determined by in situ filtration (pump) without size fractionation
172	Ag_LPT_CONC_PUMP	pmol/kg	Concentration of total particulate silver determined by in situ filtration (pump) collected on a prefilter (large particles)
173	Ag_SPT_CONC_PUMP	pmol/kg	Concentration of total particulate silver determined by in situ filtration (pump) collected on a main filter (small particles)
174	Al_TP_CONC_PUMP	nmol/kg	Concentration of total particulate aluminium determined by in situ filtration (pump) without size fractionation
175	Al_SPT_CONC_PUMP	nmol/kg	Concentration of total particulate aluminium determined by in situ filtration (pump) collected on a main filter (small particles)
176	Ba_TP_CONC_PUMP	pmol/kg	Concentration of total particulate barium determined by in situ filtration (pump) without size fractionation
177	Ba_LPT_CONC_PUMP	pmol/kg	Concentration of total particulate barium determined by in situ filtration (pump) collected on a prefilter (large particles)
178	Ba_SPT_CONC_PUMP	pmol/kg	Concentration of total particulate barium determined by in situ filtration (pump) collected on a main filter (small particles)
179	Cd_TP_CONC_PUMP	pmol/kg	Concentration of total particulate cadmium determined by in situ filtration (pump) without size fractionation
180	Cd_LPT_CONC_PUMP	pmol/kg	Concentration of total particulate cadmium determined by in situ filtration (pump) collected on a prefilter (large particles)
181	Cd_SPT_CONC_PUMP	pmol/kg	Concentration of total particulate cadmium determined by in situ filtration (pump) collected on a main filter (small particles)
182	Co_TP_CONC_PUMP	pmol/kg	Concentration of total particulate cobalt determined by in situ filtration (pump) without size fractionation
183	Co_LPT_CONC_PUMP	pmol/kg	Concentration of total particulate cobalt determined by in situ filtration (pump) collected on a prefilter (large particles)
184	Co_SPT_CONC_PUMP	pmol/kg	Concentration of total particulate cobalt determined by in situ filtration (pump) collected on a main filter (small particles)
185	Cu_TP_CONC_PUMP	pmol/kg	Concentration of total particulate copper determined by in situ filtration (pump) without size fractionation
186	Cu_LPT_CONC_PUMP	pmol/kg	Concentration of total particulate copper determined by in situ filtration (pump) collected on a prefilter (large particles)
187	Cu_SPT_CONC_PUMP	pmol/kg	Concentration of total particulate copper determined by in situ filtration (pump) collected on a main filter (small particles)
188	Fe_TP_CONC_PUMP	nmol/kg	Concentration of total particulate iron determined by in situ filtration (pump) without size fractionation
189	Fe_LPT_CONC_PUMP	nmol/kg	Concentration of total particulate iron determined by in situ filtration (pump) collected on a prefilter (large particles)
190	Fe_SPT_CONC_PUMP	nmol/kg	Concentration of total particulate iron determined by in situ filtration (pump) collected on a main filter (small particles)

191	Ga_TP_CONC_PUMP	pmol/kg	Concentration of total particulate gallium determined by in situ filtration (pump) without size fractionation
192	Mn_TP_CONC_PUMP	nmol/kg	Concentration of total particulate manganese determined by in situ filtration (pump) without size fractionation
193	Mn_LPT_CONC_PUMP	pmol/kg	Concentration of total particulate manganese determined by in situ filtration (pump) collected on a prefilter (large particles)
194	Mn_SPT_CONC_PUMP	pmol/kg	Concentration of total particulate manganese determined by in situ filtration (pump) collected on a main filter (small particles)
195	Mo_TP_CONC_PUMP	pmol/kg	Concentration of total particulate molybdenum determined by in situ filtration (pump) without size fractionation
196	Ni_TP_CONC_PUMP	pmol/kg	Concentration of total particulate nickel determined by in situ filtration (pump) without size fractionation
197	Ni_LPT_CONC_PUMP	pmol/kg	Concentration of total particulate nickel determined by in situ filtration (pump) collected on a prefilter (large particles)
198	Ni_SPT_CONC_PUMP	pmol/kg	Concentration of total particulate nickel determined by in situ filtration (pump) collected on a main filter (small particles)
199	P_TP_CONC_PUMP	nmol/kg	Concentration of total particulate phosphorus determined by in situ filtration (pump) without size fractionation
200	P_LPT_CONC_PUMP	nmol/kg	Concentration of total particulate phosphorus determined by in situ filtration (pump) collected on a prefilter (large particles)
201	P_SPT_CONC_PUMP	nmol/kg	Concentration of total particulate phosphorus determined by in situ filtration (pump) collected on a main filter (small particles)
202	Pb_TP_CONC_PUMP	pmol/kg	Concentration of total particulate lead determined by in situ filtration (pump) without size fractionation
203	Pb_LPT_CONC_PUMP	pmol/kg	Concentration of total particulate lead determined by in situ filtration (pump) collected on a prefilter (large particles)
204	Pb_SPT_CONC_PUMP	pmol/kg	Concentration of total particulate lead determined by in situ filtration (pump) collected on a main filter (small particles)
205	Th_TP_CONC_PUMP	pmol/kg	Concentration of total particulate thorium determined by in situ filtration (pump) without size fractionation
206	Th_LPT_CONC_PUMP	pmol/kg	Concentration of total particulate thorium determined by in situ filtration (pump) collected on a prefilter (large particles)
207	Th_SPT_CONC_PUMP	pmol/kg	Concentration of total particulate thorium determined by in situ filtration (pump) collected on a main filter (small particles)
208	Ti_TP_CONC_PUMP	nmol/kg	Concentration of total particulate titanium determined by in situ filtration (pump) without size fractionation
209	Ti_LPT_CONC_PUMP	nmol/kg	Concentration of total particulate titanium determined by in situ filtration (pump) collected on a prefilter (large particles)
210	Ti_SPT_CONC_PUMP	nmol/kg	Concentration of total particulate titanium determined by in situ filtration (pump) collected on a main filter (small particles)
211	U_TP_CONC_PUMP	pmol/kg	Concentration of total particulate uranium determined by in situ filtration (pump) without size fractionation

212	V_TP_CONC_PUMP	pmol/kg	Concentration of total particulate vanadium determined by in situ filtration (pump) without size fractionation
213	V_LPT_CONC_PUMP	pmol/kg	Concentration of total particulate vanadium determined by in situ filtration (pump) collected on a prefilter (large particles)
214	V_SPT_CONC_PUMP	pmol/kg	Concentration of total particulate vanadium determined by in situ filtration (pump) collected on a main filter (small particles)
215	Zn_TP_CONC_PUMP	pmol/kg	Concentration of total particulate zinc determined by in situ filtration (pump) without size fractionation
216	Y_LPT_CONC_PUMP	pmol/kg	Concentration of total particulate yttrium determined by in situ filtration (pump) collected on a prefilter (large particles)
217	Y_SPT_CONC_PUMP	pmol/kg	Concentration of total particulate yttrium determined by in situ filtration (pump) collected on a main filter (small particles)
218	Nd_LPT_CONC_PUMP	pmol/kg	Concentration of total particulate neodymium determined by in situ filtration (pump) collected on a prefilter (large particles)
219	Nd_SPT_CONC_PUMP	pmol/kg	Concentration of total particulate neodymium determined by in situ filtration (pump) collected on a main filter (small particles)
220	POC_13_LPT_DELTA_PUMP	per mil	Atom ratio of particulate organic C isotopes expressed in conventional DELTA notation determined by in situ filtration (pump) collected on a pre filter (large particles)
221	POC_13_SPT_DELTA_PUMP	per mil	Atom ratio of particulate organic C isotopes expressed in conventional DELTA notation determined by in situ filtration (pump) collected on a main filter (small particles)
222	BSi_30_TP_DELTA_PUMP	per mil	Atom ratio of total particulate biogenic Si isotopes expressed in conventional DELTA notation determined by in situ filtration (pump) without size fractionation
223	CHOLESTEROL_13_LPT_DELTA_PUMP	per mil	Atom ratio of particulate cholesterol C isotopes expressed in conventional DELTA notation determined by in situ filtration (pump) collected on a pre filter (large particles)
224	CHOLESTEROL_13_SPT_DELTA_PUMP	per mil	Atom ratio of particulate cholesterol C isotopes expressed in conventional DELTA notation determined by in situ filtration (pump) collected on a main filter (small particles)
225	BRASSICASTEROL_13_LPT_DELTA_PUMP	per mil	Atom ratio of particulate brassicasterol C isotopes expressed in conventional DELTA notation determined by in situ filtration (pump) collected on a pre filter (large particles)
226	BRASSICASTEROL_13_SPT_DELTA_PUMP	per mil	Atom ratio of particulate brassicasterol C isotopes expressed in conventional DELTA notation determined by in situ filtration (pump) collected on a main filter (small particles)
227	Po_210_SPT_CONC_PUMP	mBq/kg	Concentration of total particulate Po-210 determined by in situ filtration (pump) collected on a main filter (small particles)
228	Pb_210_SPT_CONC_PUMP	mBq/kg	Concentration of total particulate Pb-210 determined by in situ filtration (pump) collected on a main filter (small particles)
229	Pa_231_TP_CONC_PUMP	uBq/kg	Concentration of total particulate Pa-231 determined by in situ filtration (pump) without size fractionation
230	Pa_231_SPT_CONC_PUMP	uBq/kg	Concentration of total particulate Pa-231 determined by in situ filtration (pump) collected on a main filter (small particles)

231	Th_228_LPT_CONC_PUMP	mBq/kg	Concentration of total particulate Th-228 determined by in situ filtration (pump) collected on a pre filter (large particles)
232	Th_230_TP_CONC_PUMP	uBq/kg	Concentration of total particulate Th-230 determined by in situ filtration (pump) without size fractionation
233	Th_230_SPT_CONC_PUMP	uBq/kg	Concentration of total particulate Th-230 determined by in situ filtration (pump) collected on a main filter (small particles)
234	Th_232_TP_CONC_PUMP	pmol/kg	Concentration of total particulate Th-232 determined by in situ filtration (pump) without size fractionation
235	Th_232_SPT_CONC_PUMP	pmol/kg	Concentration of total particulate Th-232 determined by in situ filtration (pump) collected on a main filter (small particles)
236	Th_234_LPT_CONC_PUMP	mBq/kg	Concentration of total particulate Th-234 determined by in situ filtration (pump) collected on a pre filter (large particles)
237	Th_234_SPT_CONC_PUMP	mBq/kg	Concentration of total particulate Th-234 determined by in situ filtration (pump) collected on a main filter (small particles)