

2013-018 Chlorophyll duplicates - page 1

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Duplicate samples from a single Niskin bottle

Event Number	Sample Number	Station	Pressure dbar	Chlorophyll:Extracted:Bottle			Phaeo-Pigment:Extracted:Bottle		
				Chl 1 mg/m ³	Chl 2 mg/m ³	CV %	Phaeo 1 mg/m ³	Phaeo 2 mg/m ³	CV %
		JF1		1.642	1.372	12.7	0.780	0.685	9.1
		JF2		7.601	6.593	10.0	2.098	2.734	18.6
		JF3		3.049	2.868	4.3	0.758	0.715	4.1
		JF4		4.356	4.230	2.1	1.038	1.002	2.5
2	9	P1	29.8	0.935	0.886	3.8	1.050	0.876	12.7
2	10	P1	5.6	11.092	11.354	1.6	2.946	3.156	4.9
3	16	P2	25.0	1.127	1.000	8.4	1.172	1.097	4.7
3	22	P2	30.1	0.590	0.519	9.0	0.973	1.177	13.4
3	22-E	P2	30.1	0.568	0.584	2.0	0.715	0.749	3.3
3	23	P2	15.1	2.185	2.884	19.5	2.177	2.500	9.8
3	23-E	P2	15.1	2.375	2.317	1.8	1.669	1.604	2.8
3	24	P2	4.8	14.830	17.087	10.0	5.332	3.837	23.1
3	24-E	P2	4.8	16.585	15.430	5.1	4.020	5.131	17.2
6	36	P3	30.0	0.515	0.519	0.5	0.352	0.367	2.9
6	37	P3	4.7	1.346	1.268	4.2	0.518	0.534	2.1
7	63	P4	2.2	0.174	0.132	19.4	0.080	0.049	34.2
7	64	P4	29.8	0.473	0.471	0.3	0.317	0.299	4.3
7	64-E	P4	29.8	0.442	0.429	2.0	0.294	0.291	0.7
7	65	P4	14.3	0.188	0.240	17.1	0.076	0.113	28.4
7	65-E	P4	14.3	0.207	0.209	0.8	0.086	0.087	1.2
7	66	P4	4.8	0.165	0.222	20.8	0.049	0.081	33.9
7	66-E	P4	4.8	0.171	0.184	5.1	0.046	0.059	18.2
18	138	P5	29.6	0.516	0.517	0.2	0.342	0.316	5.6
18	139	P5	5.2	0.235	0.206	9.2	0.073	0.068	4.5
19	140	P6	30.2	0.424	0.434	1.7	0.412	0.327	16.4
19	141	P6	4.9	0.197	0.207	3.5	0.072	0.074	2.2
20	142	P7	29.4	0.264	0.429	33.6	0.164	0.261	32.4
20	143	P7	5.1	0.176	0.178	0.7	0.090	0.076	12.2
23	159	P8	50.9	0.499	0.515	2.2	0.345	0.350	1.1
23	162	P8	5.2	0.197	0.193	1.5	0.084	0.079	4.5
23	163	P8	51.1	0.504	0.505	0.2	0.335	0.323	2.6
23	164	P8	20.7	0.234	0.250	4.6	0.110	0.138	16.0
24	168	P9	50.7	0.403	0.405	0.5	0.320	0.240	20.0
24	169	P9	5.0	0.184	0.189	2.0	0.078	0.069	8.8

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25	170	P10	49.9	0.325	0.306	4.2	0.337	0.295	9.4
25	171	P10	5.5	0.234	0.243	2.5	0.096	0.076	16.3
26	172	P11	49.7	0.781	0.829	4.2	0.433	0.379	9.4
26	173	P11	5.0	0.426	0.409	3.0	0.164	0.159	2.0
29	180	P12	39.9	1.000	1.003	0.2	0.381	0.510	20.4
29	188	P12	50.2	0.636	0.640	0.5	0.331	0.283	11.1
29	189	P12	20.2	0.409	0.385	4.3	0.153	0.151	0.8
29	190	P12	4.9	0.389	0.377	2.3	0.162	0.122	20.1
37	266	P13	48.5	0.551	0.509	5.7	0.334	0.380	9.2
37	267	P13	5.7	0.612	0.612	0.1	0.232	0.237	1.5
38	268	P14	50.5	0.274	0.283	2.4	0.189	0.186	1.4
38	269	P14	4.5	0.363	0.391	5.2	0.149	0.150	0.3
39	270	P15	49.7	0.329	0.370	8.2	0.223	0.211	4.0
39	271	P15	5.2	0.503	0.489	1.9	0.178	0.181	1.0
44	335	P16	40.7	0.609	0.669	6.6	0.327	0.359	6.5
44	335-E	P16	40.7	0.697	0.680	1.7	0.348	0.370	4.2
44	343	P16	49.6	0.355	0.376	4.0	0.285	0.283	0.5
44	343-E	P16	49.6	0.393	0.365	5.2	0.273	0.274	0.4
44	344	P16	20.1	0.410	0.369	7.5	0.183	0.159	10.0
44	344-E	P16	20.1	0.376	0.374	0.5	0.167	0.166	0.3
44	345	P16	5.6	0.355	0.358	0.5	0.132	0.135	1.6
44	345-E	P16	5.6	0.372	0.385	2.4	0.122	0.137	7.9
53	378	P17	30.3	0.397	0.395	0.3	0.209	0.191	6.2
53	379	P17	5.5	0.337	0.346	1.8	0.123	0.124	0.2
54	380	P18	50.4	0.485	0.488	0.4	0.242	0.284	11.5
54	381	P18	5.1	0.392	0.389	0.5	0.156	0.154	1.0
55	382	P19	50.4	0.529	0.580	6.5	0.310	0.302	2.0
55	383	P19	4.7	0.368	0.355	2.6	0.147	0.147	0.1
60	439	P20	39.9	0.344	0.336	1.6	0.185	0.203	6.6
60	439-E	P20	39.9	0.328	0.332	0.7	0.178	0.198	7.5
60	447	P20	49.7	0.304	0.277	6.6	0.181	0.184	1.1
60	447-E	P20	49.7	0.306	0.305	0.1	0.198	0.220	7.3
60	448	P20	19.8	0.356	0.375	3.8	0.116	0.122	3.4
60	448-E	P20	19.8	0.374	0.362	2.3	0.129	0.121	4.8

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60	449	P20	5.4	0.394	0.391	0.6	0.127	0.123	2.3
60	449-E	P20	5.4	0.353	0.363	2.0	0.106	0.107	0.1
66	467	P21	50.3	0.339	0.332	1.5	0.189	0.217	10.0
66	468	P21	4.7	0.410	0.417	1.1	0.133	0.139	3.1
66	Loop	P21		0.379	0.372	1.3	0.134	0.127	3.8
67	470	P22	49.6	0.331	0.338	1.6	0.235	0.248	3.9
67	471	P22	5.1	0.488	0.507	2.8	0.153	0.146	3.0
67	Loop	P22		0.444	0.453	1.4	0.133	0.177	19.8
70	495	P23	29.6	0.862	0.953	7.1	0.417	0.431	2.5
70	496	P23	5.0	0.439	0.440	0.2	0.136	0.151	7.2
70	Loop	P23	5.0	0.431	0.425	1.1	0.152	0.146	2.8
71	Loop71	Loop71		0.467	0.538	9.9	0.161	0.178	7.2
72	497	P24	50.6	0.300	0.294	1.2	0.241	0.194	15.1
72	498	P24	5.5	0.538	0.496	5.7	0.173	0.164	3.9
73	499	P25	50.6	0.328	0.337	1.8	0.192	0.195	0.9
73	500	P25	5.0	0.416	0.416	0.1	0.142	0.135	3.1
74	Loop74	Loop74		0.563	0.565	0.3	0.188	0.191	1.2
75	501	P35	50.5	0.236	0.249	3.7	0.189	0.181	2.9
75	502	P35	6.2	0.415	0.420	0.8	0.140	0.117	12.9
77	521	P26	38.6	0.274	0.277	0.9	0.161	0.165	1.7
77	521-E	P26	38.6	0.258	0.271	3.5	0.178	0.152	11.1
77	529	P26	50.3	0.327	0.331	0.8	0.198	0.165	12.6
77	529-E	P26	50.3	0.315	0.312	0.8	0.161	0.170	3.9
77	530	P26	18.7	0.229	0.221	2.4	0.082	0.090	6.0
77	530-E	P26	18.7	0.220	0.229	2.6	0.081	0.098	13.1
77	531	P26	5.2	0.188	0.190	0.8	0.070	0.078	8.3
77	531-E	P26	5.2	0.193	0.198	1.8	0.067	0.066	1.6
92	Loop92	Loop92		0.632	0.601	3.5	0.198	0.190	2.7
94	Loop94	Loop94		0.292	0.290	0.4	0.100	0.093	4.4
95	Loop95	Loop85		0.361	0.313	10.0	0.123	0.091	20.9
96	Loop96	Loop96		0.376	0.331	9.0	0.135	0.094	25.0
97	Loop97	Loop97		0.469	0.468	0.2	0.151	0.168	7.6
103	Loop103	Loop103		0.345	0.340	1.2	0.135	0.121	7.8
110	Loop110	Loop110		2.356	1.973	12.5	0.738	0.641	10.0