

Pigment	Fucoxanthin	Peridinin	Hexo-fucoxanthin	Diadinoxanth	Zeaxanthin/l	Buto-fucoxan	chlorophyll-a	chlorophyll-b	chlorophyll-a	chlorophyllide-a	pheophytin-a	Beta-carotene	chlorophyllide-a
Molecular Wt	658.92	630.82	773.06	582.86	568.88	745.01	893.5	907.49	893.5	614.97	871.21	536.88	614.97

Values in micrograms per liter													
Sample Number	Sample ID	Fucoxanthin	Peridinin	Hexo-fucoxanthin	Diadinoxanth	Zeaxanthin/l	Buto-fucoxan	chlorophyll-a	chlorophyll-b	chlorophyll-a	chlorophyllide-a	pheophytin-a	chlorophyllide fucolike
1	P1 Surf	0.28889	0.00755	0.02167	0.05348	0.02742	0.00350	0.27136	0.01551	0.02635	0.12835	0.18184	0.12835
2	P3 Surf	0.24957	0.00537	0.03610	0.05315	0.02209	0.00626	0.30708	0.01554	0.02158	0.31574	0.44729	0.31574
3	P5 Surf	0.05901	0.00572	0.05158	0.02126	0.02482	0.01760	0.22555	0.02748	0.01350	0.03313	0.04693	0.03313
4	P7 Surf	0.02840	0.00057	0.02895	0.01011	0.03906	0.01166	0.12005	0.00860	0.00782	0.03447	0.04883	0.03447
5	P8 62m	0.00541	0.00024	0.00549	0.00169	0.01187	0.00255	0.02296	0.00148	0.00183	0.00971	0.01376	0.00971
6	P9 Surf	0.01943	0.00215	0.02241	0.00568	0.03289	0.00819	0.09682	0.00760	0.00398	0.01669	0.02364	0.01669
7	C1 Surf	0.01666	0.00252	0.00553	0.00419	0.01016	0.00036	0.04302	0.00535	0.00277	0.00791	0.01121	0.00791
8	C1 15m	0.10261	0.01094	0.01662	0.01193	0.00927	0.00436	0.18002	0.01181	0.01536	0.04907	0.06951	0.04907
9	C3 Surf	0.01637	0.00178	0.01289	0.00450	0.01341	0.00373	0.06924	0.00934	0.00493	0.01118	0.00228	0.01118
10	C3 28m	0.12177	0.00687	0.02850	0.01529	0.00957	0.01187	0.21433	0.02899	0.01451	0.09406	0.13325	0.09406
11	C5 Surf	0.01148	0.00141	0.02114	0.00493	0.02993	0.00855	0.05422	0.01028	0.00379	0.00870	0.01233	0.00870
12	C5 32m	0.06760	0.00712	0.09746	0.01728	0.03208	0.03347	0.24564	0.04983	0.02700	0.07678	0.10878	0.07678
13	C7 Surf	0.00469	0.00047	0.00807	0.00133	0.01711	0.00259	0.04367	0.00770	0.00272	0.00596	0.00844	0.00596
14	C9 Surf	0.00648	0.00001	0.00885	0.00172	0.02285	0.00336	0.04690	0.00531	0.00342	0.00991	0.01404	0.00991
15	C9 50m	0.00529	0.00053	0.00700	0.00104	0.00889	0.00172	0.05512	0.01216	0.00611	0.00812	0.01150	0.00812
16	A1 Surf	0.02478	0.00526	0.01794	0.01132	0.23149	0.00294	0.25380	0.03388	0.01952	0.04665	0.06609	0.04665
17	A3 Surf	0.04140	0.00840	0.08024	0.01865	0.05227	0.01325	0.22173	0.01941	0.02258	0.01841	0.02608	0.01841
18	A5 Surf	0.02961	0.00469	0.03716	0.00889	0.01111	0.00573	0.14892	0.01283	0.01012	0.01187	0.01681	0.01187
19	A7 Surf (4L)	0.01846	0.00222	0.02618	0.01459	0.03318	0.00586	0.13792	0.01740	0.01565	0.01209	0.01712	0.01209
20	A7 Surf (5L)	0.04281	0.00744	0.03918	0.00802	0.01086	0.01208	0.17402	0.02409	0.01549	0.02840	0.04024	0.02840
21	A7 20m	0.03582	0.00184	0.00970	0.00605	0.01991	0.00327	0.11343	0.02460	0.00990	0.01731	0.02453	0.01731
22	A9 Surf	0.05249	0.00760	0.09613	0.01946	0.03366	0.03537	0.27968	0.05473	0.02598	0.06908	0.09786	0.06908

Normalized													
Sample Number	Sample ID	Fucoxanthin	Peridinin	Hexo-fucoxanthin	Diadinoxanth	Zeaxanthin/l	Buto-fucoxan	chlorophyll-a	chlorophyll-b	chlorophyll-a	chlorophyllide-a	pheophytin-a	chlorophyllide fucolike
1	P1 Surf	0.28889	0.00755	0.02167	0.05348	0.02742	0.00350	0.00213	0.01551	0.35206	1	P1 Surf	0.821
2	P3 Surf	0.24957	0.00537	0.03610	0.05315	0.02209	0.00626	0.00382	0.01554	0.80015	2	P3 Surf	0.312
3	P5 Surf	0.05901	0.00572	0.05158	0.02126	0.02482	0.01760	0.01074	0.02748	0.12105	3	P5 Surf	0.487
4	P7 Surf	0.02840	0.00057	0.02895	0.01011	0.03906	0.01166	0.00712	0.00860	0.09971	4	P7 Surf	0.285
5	P8 62m	0.00541	0.00024	0.00549	0.00169	0.01187	0.00255	0.00156	0.00148	0.02678	5	P8 62m	0.202
6	P9 Surf	0.01943	0.00215	0.02241	0.00568	0.03289	0.00819	0.00500	0.00760	0.05190	6	P9 Surf	0.374
7	C1 Surf	0.01666	0.00252	0.00553	0.00419	0.01016	0.00036	0.00022	0.00535	0.14575	7	C1 Surf	0.612
8	C1 15m	0.10261	0.01094	0.01662	0.01193	0.00927	0.00436	0.00266	0.01181	0.04118	8	C1 15m	0.704
9	C3 Surf	0.01637	0.00178	0.01289	0.00450	0.01341	0.00373	0.00228	0.00934	0.27081	9	C3 28m	0.397
10	C3 28m	0.12177	0.00687	0.02850	0.01529	0.00957	0.01187	0.00725	0.02899	0.03511	10	C3 28m	0.450
11	C5 Surf	0.01148	0.00141	0.02114	0.00493	0.02993	0.00855	0.00522	0.01028	0.0602	11	C5 Surf	0.327
12	C5 32m	0.06760	0.00712	0.09746	0.01728	0.03208	0.03347	0.02044	0.04983	0.26238	12	C5 32m	0.258
13	C7 Surf	0.00469	0.00047	0.00807	0.00133	0.01711	0.00259	0.00158	0.00770	0.02482	13	C7 Surf	0.189
14	C9 Surf	0.00648	0.00001	0.00885	0.00172	0.02285	0.00336	0.00205	0.00531	0.03268	14	C9 Surf	0.198
15	C9 50m	0.00529	0.00053	0.00700	0.00104	0.00889	0.00172	0.00105	0.01216	0.03790	15	C9 50m	0.140
16	A1 Surf	0.02478	0.00526	0.01794	0.01132	0.23149	0.00294	0.00180	0.03388	0.16614	16	A1 Surf	0.149
17	A3 Surf	0.04140	0.00840	0.08024	0.01865	0.05227	0.01325	0.00809	0.01941	0.08547	17	A3 Surf	0.479
18	A5 Surf	0.02961	0.00469	0.03716	0.00889	0.01111	0.00573	0.00350	0.01283	0.05163	18	A5 Surf	0.574
19	A7 Surf (4L)	0.01846	0.00222	0.02618	0.01459	0.03318	0.00586	0.00358	0.01740	0.06225	19	A7 Surf (4L)	0.296
20	A7 Surf (5L)	0.04281	0.00744	0.03918	0.00802	0.01086	0.01208	0.00738	0.02409	0.10823	20	A7 Surf (5L)	0.396
21	A7 20m	0.03582	0.00184	0.00970	0.00605	0.01991	0.00327	0.00200	0.02460	0.07634	21	A7 20m	0.469
22	A9 Surf	0.05249	0.00760	0.09613	0.01946	0.03366	0.03537	0.02160	0.05473	0.24765	22	A9 Surf	0.212