

<i>Emiliana huxleyi</i> CCMP 1516		26.6	26.6	26.6	26.6	29.1	29.1	29.1	29.1	32	32.1	32	32.1	35.2	35.2	35.2	35.3	37.3	37.4	37.3	37.5	
Salinity		A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	
Replicate		A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	
Water		-11	-10	-9	-12	-6	-6	-5	-5	0	-3	0	-1	2	3	3	2	7	7	6	6	
SD		1	1	2	2	2	1	1	1	1	2	2	2	0	1	1	2	2	2	1	2	
Reference	Lipid																					
M'Boule et al. (2014)	C ₃₇	$\delta^2\text{H}$ %	-208	-210	-218	-207	-203	-202	-211	-200	-195	-194	-197	-187	-185	-180	-182	-180	-176	-173	-176	-174
		SD	5	3	1	1	1	6	2	3	2	3	2	4	1	7	4	1	2	3	3	3
		alpha	0.802	0.798	0.789	0.802	0.802	0.803	0.792	0.805	0.805	0.809	0.803	0.814	0.813	0.818	0.811	0.818	0.818	0.821	0.819	0.822
		SD	0.006	0.003	0.003	0.003	0.003	0.002	0.006	0.002	0.004	0.004	0.003	0.004	0.002	0.002	0.006	0.004	0.002	0.003	0.003	0.004
This study	Sterol	$\delta^2\text{H}$ %	-318	-324	-334	-332	-312	-336	-327	-314	-325	-316	-320	-317	-	-309	-289	-310	-308	-301	-285	-310
		SD	20	1	4	4	1	1	4	8	1	1	1	1	7	0	3	2	1	16	0	16
		alpha	0.690	0.683	0.672	0.675	0.693	0.669	0.676	0.689	0.675	0.687	0.681	0.684	-	0.689	0.709	0.689	0.687	0.693	0.710	0.686
		SD	0.014	0.004	0.006	0.006	0.004	0.003	0.003	0.006	0.009	0.003	0.003	0.003	-	0.008	0.002	0.006	0.005	0.004	0.014	0.002
This study	Phytol	$\delta^2\text{H}$ %	-387	-387	-406	-382	-396	-411	-404	-375	-405	-382	-395	-384	-	-389	-407	-375	-393	-390	-398	-381
		SD	20	13	1	7	2	0	1	6	3	2	2	2	8	1	10	0	3	4	1	1
		alpha	0.620	0.619	0.600	0.625	0.608	0.593	0.599	0.629	0.595	0.620	0.605	0.616	-	0.609	0.591	0.624	0.603	0.605	0.598	0.615
		SD	0.007	0.006	0.002	0.005	0.003	0.002	0.002	0.004	0.003	0.003	0.003	0.003	-	0.005	0.002	0.005	0.002	0.003	0.004	0.002
This study	C _{14:0}	$\delta^2\text{H}$ %	-246	-	-	-	-240	-	-	-	-229	-	-	-	-	-	-	-	-204	-	-	-
		SD	1	-	-	-	1	-	-	-	0	-	-	-	-	-	-	-	1	-	-	-
		alpha	0.762	-	-	-	0.764	-	-	-	0.771	-	-	-	-	-	-	-	0.791	-	-	-
		SD	0.002	-	-	-	0.003	-	-	-	0.001	-	-	-	-	-	-	-	0.002	-	-	-
This study	C _{16:0}	$\delta^2\text{H}$ %	-214	-	-	-	-211	-	-	-	-207	-	-	-	-	-	-	-	-180	-	-	-
		SD	2	-	-	-	1	-	-	-	0	-	-	-	-	-	-	-	1	-	-	-
		alpha	0.795	-	-	-	0.793	-	-	-	0.793	-	-	-	-	-	-	-	0.814	-	-	-
		SD	0.007	-	-	-	0.004	-	-	-	0.002	-	-	-	-	-	-	-	0.005	-	-	-
This study	C _{18:1}	$\delta^2\text{H}$ %	-166	-	-	-	-149	-	-	-	-135	-	-	-	-	-	-	-	-122	-	-	-
		SD	2	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-
		alpha	0.844	-	-	-	0.856	-	-	-	0.865	-	-	-	-	-	-	-	0.872	-	-	-
		SD	0.02	-	-	-	0.002	-	-	-	0.001	-	-	-	-	-	-	-	0.002	-	-	-

<i>Isochrystis galbana</i> CCMP 1323		10.3	10.2	10.3	15.3	15.3	15.3	20.3	20.3	20.3	25.2	25.2	25.2	30.3	30.3	30.3	35.6	35.6	35.6			
Salinity		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Replicate		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Water		-29	-30	-30	-22	-22	-22	-17	-17	-16	-9	-11	-10	-3	-3	-2	4	5	5	5	5	5
SD		1	1	2	1	1	1	2	2	2	2	2	1	1	2	1	2	1	1	1	1	1
Reference	Lipid																					
M'Boule et al. (2014)	C ₃₇	$\delta^2\text{H}$ %	-172	-172	-170	-158	-157	-158	-142	-140	-144	-122	-126	-121	-111	-106	-109	-97	-99	-98	-98	-98
		SD	1	2	1	1	1	3	1	3	1	1	1	1	1	2	2	3	5	5	5	5
		alpha	0.853	0.853	0.856	0.861	0.863	0.86	0.873	0.875	0.871	0.886	0.883	0.889	0.892	0.896	0.893	0.9	0.896	0.898	0.898	0.898
		SD	0.002	0.003	0.002	0.002	0.002	0.002	0.004	0.002	0.004	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.006	0.006
This study	Sterol	$\delta^2\text{H}$ %	-296	-300	-	-279	-	-285	-264	-276	-	-255	-241	-236	-	-	-	-	-	-	-	-
		SD	2	2	-	3	-	6	8	3	-	1	5	3	-	-	-	-	-	-	-	-
		alpha	0.724	0.720	-	0.736	-	0.731	0.748	0.736	-	0.752	0.766	0.771	-	-	-	-	-	-	-	-
		SD	0.004	0.003	-	0.004	-	0.009	0.011	0.005	-	0.002	0.007	0.006	-	-	-	-	-	-	-	-
This study	Phytol	$\delta^2\text{H}$ %	-430	-405	-	-424	-	-430	-414	-421	-	-404	-395	-393	-	-	-	-	-	-	-	-
		SD	5	4	-	5	-	4	5	4	-	2	4	1	-	-	-	-	-	-	-	-
		alpha	0.586	0.612	-	0.588	-	0.583	0.596	0.589	-	0.601	0.611	0.613	-	-	-	-	-	-	-	-
		SD	0.008	0.007	-	0.009	-	0.008	0.008	0.008	-	0.004	0.007	0.002	-	-	-	-	-	-	-	-
Heinzelmann et al. (2015)	C _{14:0}	$\delta^2\text{H}$ %	-290	-269	-261	-284	-266	-245	-272	-231	-239	-254	-237	-224	-242	-224	-214	-234	-211	-193	-193	-193
		SD	0	1	1	1	2	1	6	0	5	2	3	0	0	2	1	1	1	1	1	1
		alpha	0.731	0.732	0.740	0.753	0.761	0.763	0.752	0.749	0.780	0.771	0.777	0.785	0.758	0.770	0.772	0.780	0.784	0.784	0.799	0.799
		SD	0.001	0.002	0.002	0.002	0.002	0.002	0.004	0.002	0.004	0.002	0.004	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.002
Heinzelmann et al. (2015)	C _{16:0}	$\delta^2\text{H}$ %	-281	-262	-256	-271	-259	-248	-259	-237	-236	-241	-231	-221	-230	-218	-207	-229	-201	-193	-193	-193
		SD	2	2	1	1	2	1	3	1	2	6	2	2	2	1	0	1	1	1	1	1
		alpha	0.740	0.746	0.754	0.766	0.772	0.767	0.758	0.756	0.775	0.776	0.784	0.795	0.762	0.767	0.775	0.783	0.791	0.800	0.800	0.800
		SD	0.003	0.003	0.001	0.001	0.003	0.001	0.004	0.001	0.003	0.008	0.003	0.003	0.003	0.001	0.001	0.000	0.001	0.001	0.001	0.001
Heinzelmann et al. (2015)	C _{18:1}	$\delta^2\text{H}$ %	-216	-229	-215	-204	-219	-213	-184	-217	-207	-170	-203	-196	-163	-188	-181	-145	-175	-177	-177	-177
		SD	1	2	1	1	0	0	2	1	1	6	2	1	1	1	3	4	1	1	1	1
		alpha	0.808	0.814	0.830	0.838	0.839	0.851	0.793	0.797	0.795	0.805	0.814	0.821	0.805	0.803	0.804	0.808	0.818	0.818	0.816	0.816
		SD	0.001	0.003	0.001	0.001	0.000	0.000	0.002	0.001	0.001	0.007	0.003	0.001	0.001	0.001	0.004	0.005	0.001	0.001	0.001	0.001

<i>Rutmera lamellosa</i> CCMP 1307		10.2	10.2	10.2	15.3	15.3	15.3	20.4	20.4	20.3	25	25	25	30	30	30	35	34.9	35			
Salinity		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Replicate		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Water		-29	-31	-33	-23	-26	-25	-18	-16	-19	-11	-9	-11	-6	-6	-3	4	3	5	5	5	5
SD		1	2	2	1	2	1	2	2	2	2	1	2	2	2	2	2	2	2	3	3	3
Reference	Lipid																					
Chivall et al. (2014)	C ₃₇	$\delta^2\text{H}$ %	-183	-184	-187	-178	-181	-182	-173	-171	-171	-161	-162	-162	-148	-152	-150	-136	-136	-134	-134	-134
		SD	2	1	1	2	2	1	1	1	3	2	1	1	1	1	3	1	1	1	1	1
		alpha	0.842	0.843	0.840	0.841	0.841	0.839	0.842	0.842	0.844	0.849	0.846	0.847	0.857	0.853	0.853	0.860	0.861	0.862	0.862	0.862
		SD	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.001	0.002	0.002	0.003	0.003	0.002	0.002	0.002	0.002
This study	Sterol	$\delta^2\text{H}$ %	-293	-300	-294	-294	-290	-290	-294	-285	-280	-250	-276	-274	-268	-265	-254	-224	-258	-258	-258	-258
		SD	2	2	17	5	6	14	12	6	8	7	19	7	10	2	1	4	11	0	0	0
		alpha	0.728	0.723	0.730	0.723	0.725	0.728	0.723	0.717	0.728	0.728	0.757	0.732	0.730	0.737	0.737	0.743	0.774	0.774	0.739	0.739
		SD	0.003	0.003	0.017	0.005	0.006	0.014	0.013	0.006	0.008	0.0										