SUPPLEMENTARY MATERIAL

Table S1. Total Htyr and Tyr (free and bound forms) content (mg/20 g oil) of VOO samples according to procotol C (C′) considering additional peaks assigned to Htyr or Tyr bound formsby LC-MS

Samples	Total Htyr	Total Tyr	Sum	Samples	Total Htyr	Total Tyr	Sum *
S-1	3.81 ± 0.02	2.56 ± 0.01	6	S-16	0.85 ± 0.00	1.25 ± 0.01	2
S-2	1.24 ± 0.34	1.80 ± 0.03	3	S-17	3.11 ± 0.24	3.01 ± 0.01	6
S-3	4.00 ± 0.09	2.55 ± 0.04	7	S-18	2.20 ± 0.00	1.62 ± 0.00	4
S-4	2.77 ± 0.29	2.83 ± 0.08	6	S-19	0.98 ± 0.19	1.40 ± 0.04	2
S-5	1.36 ± 0.01	1.22 ± 0.02	3	S-20	2.09 ± 0.01	1.95 ± 0.01	4
S-6	1.78 ± 0.28	2.32 ± 0.00	4	S-21	1.15 ± 0.17	1.51 ± 0.02	3
S-7	2.69 ± 0.00	2.13 ± 0.00	5	S-22	0.74 ± 0.04	1.66 ± 0.02	2
S-8	1.02 ± 0.24	1.09 ± 0.02	2	S-23	0.72 ± 0.19	1.14 ± 0.02	2
S-9	1.91 ± 0.04	1.48 ± 0.05	3	S-24	5.67 ± 0.07	2.28 ± 0.05	8
S-10	1.60 ± 0.17	1.27 ± 0.02	3	S-25	3.92 ± 0.29	1.48 ± 0.04	5
S-11	2.00 ± 0.01	1.65 ± 0.00	4	S-26	6.23 ± 0.02	2.32 ± 0.00	9
S-12	1.60 ± 0.30	1.04 ± 0.04	3	S-27	0.34 ± 0.06	1.35 ± 0.15	2
S-13	1.38 ± 0.03	1.38 ± 0.00	3	S-28	0.22 ± 0.10	0.98 ± 0.03	1
S-14	2.10 ± 0.04	1.68 ± 0.02	4	S-29	0.47 ± 0.01	1.04 ± 0.00	1
S-15	3.21 ± 0.34	3.17 ± 0.06	6	S-30	1.41 ± 0.24	2.23 ± 0.03	4

*rounded to the first integer; values ≥5 mg/20 oil are highlighted in grey

Table S2. Estimate (EST), standard error (SE) and lower-upper confidence interval (LCI-UCI) for intercept and slope according to Passing Bablok regression analysis applied pairwise for the rounded values of protocol A (reference method) with those of B-E

Protocols		EST	SE	LCI*	UCI*
A-B	Intercept	0.1348	0.4976	-0.8845	1.154
	Slope	0.8469	0.08275	0.6774	1.016
A-C	Intercept	0.3682	0.2875	-0.2208	0.9572
	Slope	0.5347	0.04781	0.4368	0.6327
A-C′	Intercept	0.6471	0.2708	0.09248	1.202
	Slope	0.6216	0.04503	0.5293	0.7138
A-D	Intercept	-0.4803	0.5936	-1.696	0.7356
	Slope	1.461	0.09871	1.259	1.663

A-E	Intercept	0.0929	0.4977	-0.9267	1.112
	Slope	0.7912	0.08277	0.6216	0.9607

*green color indicates that the criterion is satisfied

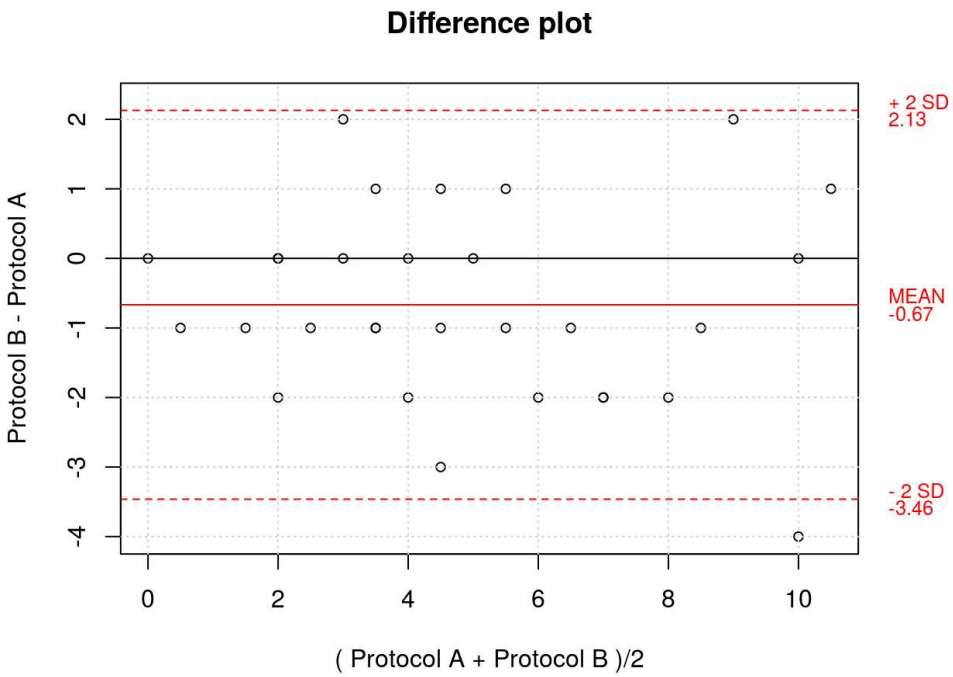

Figure S1. Difference plot of protocol A and B rounded values according to Bland-Altman analysis

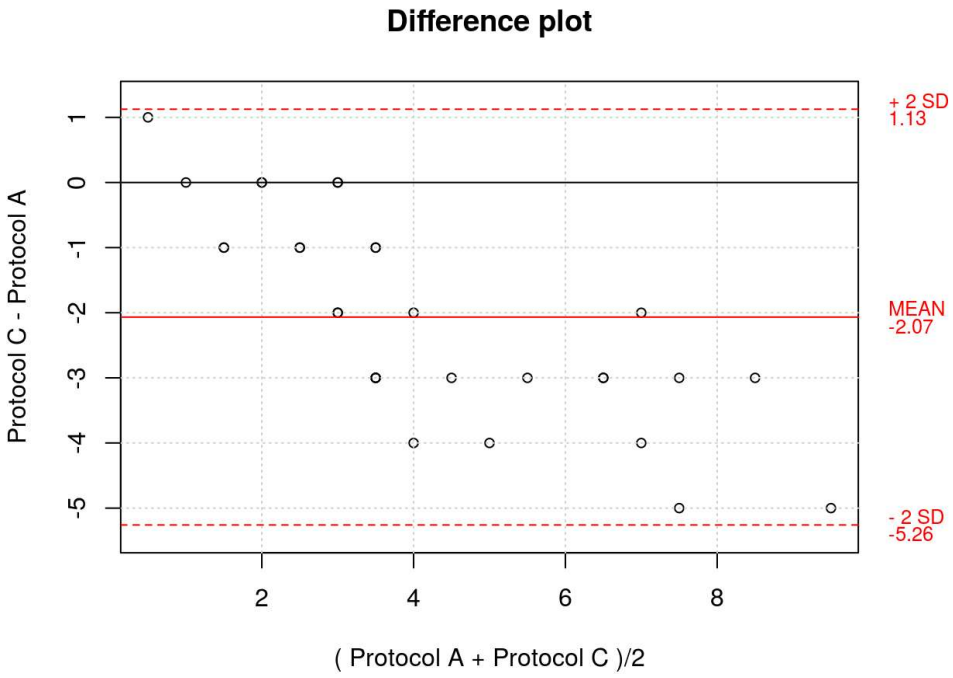

Figure S2. Difference plot of protocol A and C rounded values according to Bland-Altman analysis

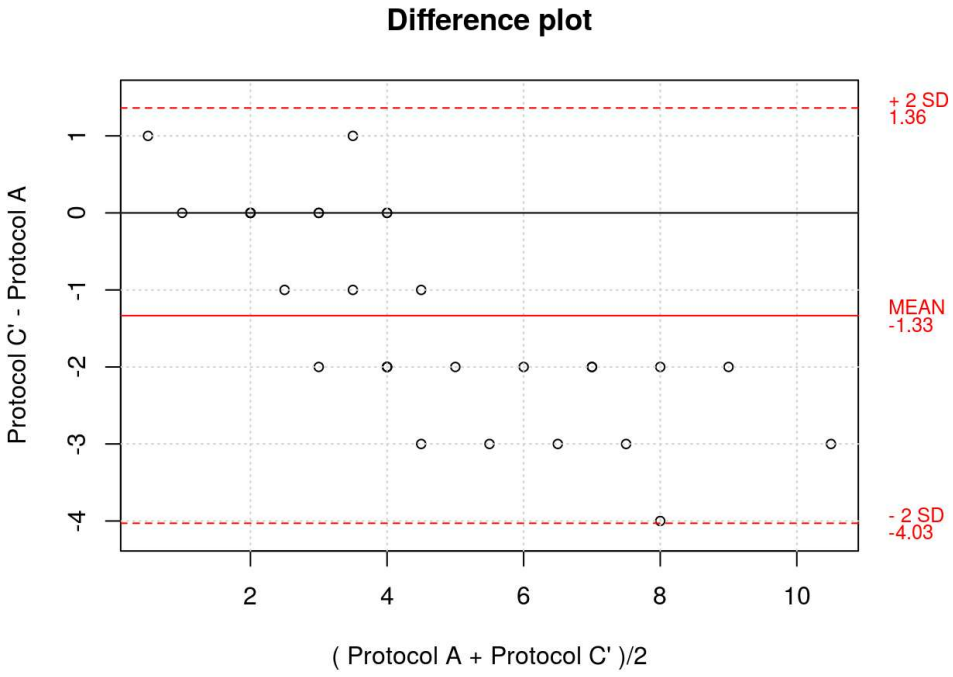

Figure S3. Difference plot of protocol A and C′ rounded values according to Bland-Altman analysis

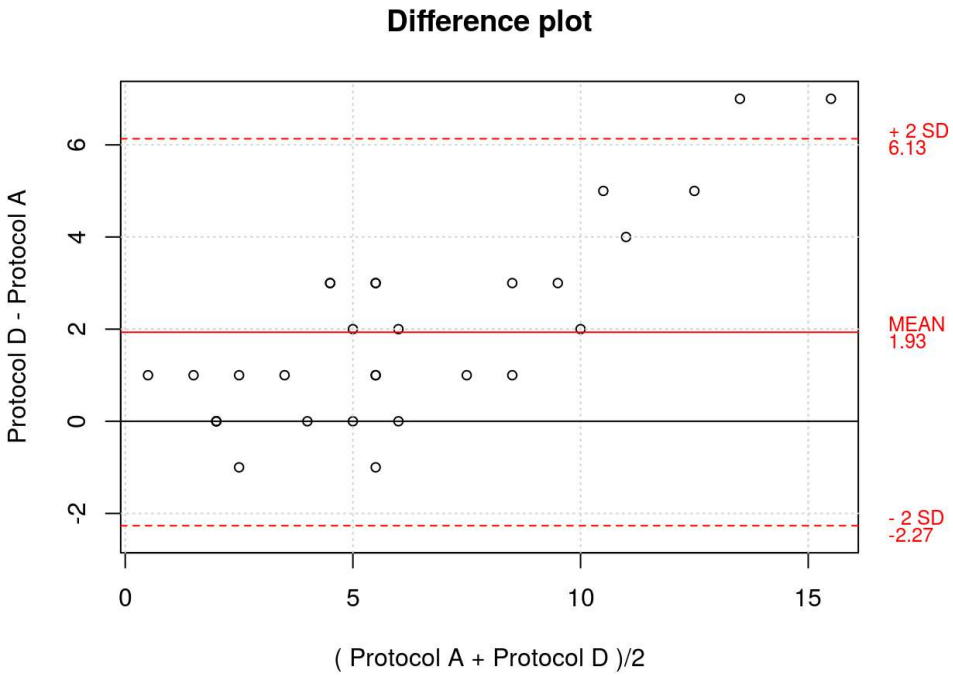

Figure S4. Difference plot of protocol A and D rounded values according to Bland-Altman analysis

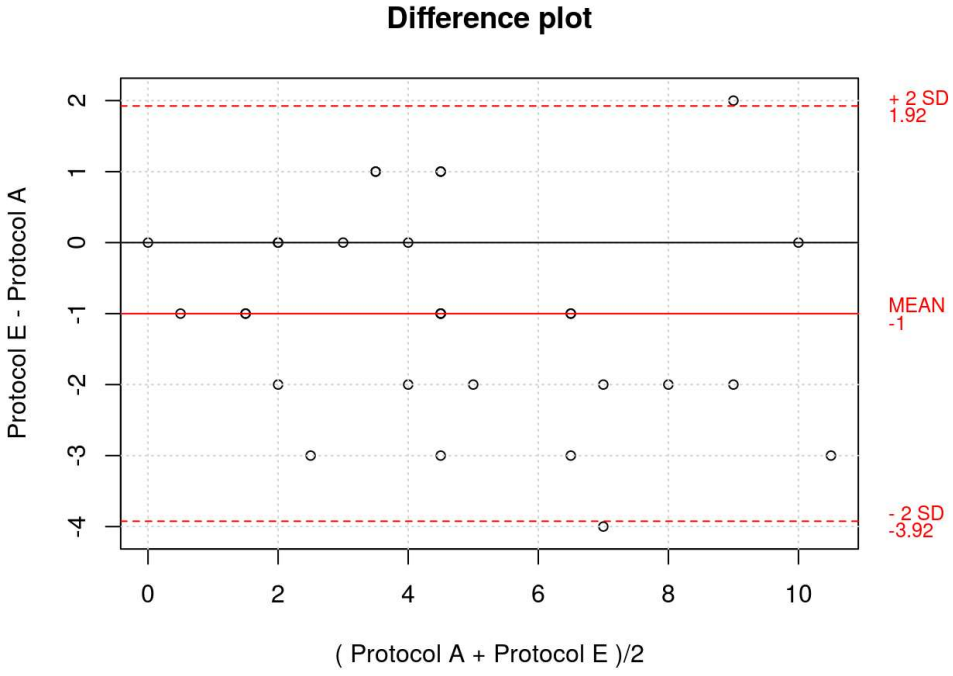

Figure S5. Difference plot of protocol A and E rounded values according to Bland-Altman analysis

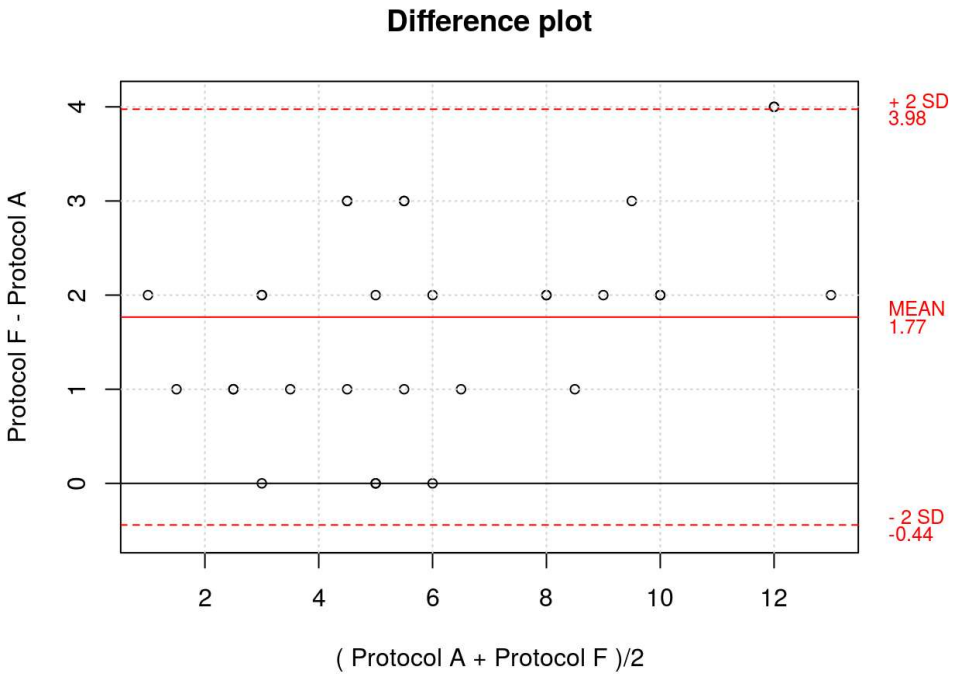

Figure S6. Difference plot of protocol A and F rounded values according to Bland-Altman analysis