Table 1 Measurement accuracy summary compared against SRM 1950 - "Metabolites in

Lipid Species	Measurement*	Consensus Value**	Units	No. of labs	Notes
DAG 34:1	3.984622 ± 1.111	6.1 ± 2.4	nmol/mL	16	
DAG 36:2	9.942077 ± 2.237	6.2 ± 2.2	nmol/mL	16	
DAG 36:3	10.56911 ± 1.81	8.4 ± 3.3	nmol/mL	15	
DAG 36:4	3.33579 ± 0.539	2.8 ± 1.0	nmol/mL	12	
TAG 48:0	115.1465 ± 86.45	4.5 ± 1.2	nmol/mL	10	
TAG 50:0	166.4608 ± 128.2	3.8 ± 0.83	nmol/mL	11	
LPC 14:0	0.642084 ± 0.015	1.0 ± 0.20	nmol/mL	16	
LPC 15:0	0.575308 ± 0.008	0.52 ± 0.11	nmol/mL	9	
LPC 16:0	111.5554 ± 3.123	73 ± 11	nmol/mL	20	
LPC O-16:0	0.880691 ± 0.015	0.55 ± 0.16	nmol/mL	10	
LPC P-16:0	111.5554 ± 3.123	0.46 ± 0.13	nmol/mL	8	
LPC 16:1	2.798157 ± 0.051	2.4 ± 0.35	nmol/mL	19	
LPC 17:0	1.108215 ± 0.053	1.4 ± 0.24	nmol/mL	6	
LPC 17:1	0.200519 ± 0.005	0.25 ± 0.071	nmol/mL	6	
LPC 18:0	68.27171 ± 1.245	27 ± 3.3	nmol/mL	20	
LPC O-18:0	0.287589 ± 0.03	0.16 ± 0.058	nmol/mL	6	
LPC 18:1	22.79038 ± 0.66	18 ± 2.3	nmol/mL	19	
LPC 18:2	28.31829 ± 0.298	22 ± 2.9	nmol/mL	19	
LPC 18:3	5.802599 ± 0.4	0.44 ± 0.13	nmol/mL	18	
LPC 20:0	0.179902 ± 0.009	0.10 ± 0.034	nmol/mL	7	
LPC 20:1	0.580305 ± 0.003	0.19 ± 0.024	nmol/mL	13	
LPC 20:2	0.373574 ± 0.017	0.23 ± 0.044	nmol/mL	9	
LPC 20:3	13.21549 ± 0.558	1.8 ± 0.26	nmol/mL	18	
LPC 20:4	6.743082 ± 0.076	6.0 ± 0.60	nmol/mL	20	
LPC 20:5	2.229655 ± 0.163	0.33 ± 0.092	nmol/mL	15	
LPC 22:0	0.03835 ± 0.002	0.025 ± 0.0017	nmol/mL	5	
LPC 22:4	0.24018 ± 0.002	0.12 ± 0.041	nmol/mL	8	
LPC 22:5	0.270419 ± 0.025	0.43 ± 0.13	nmol/mL	12	
LPC 22:6	0.916536 ± 0.009	0.77 ± 0.14	nmol/mL	17	
LPC 24:0	0.094812 ± 0.011	0.046 ± 0.015	nmol/mL	5	
LPE 16:0	1.075738 ± 0.035	0.91 ± 0.27	nmol/mL	14	
LPE 18:0	3.697491 ± 0.145	1.6 ± 0.55	nmol/mL	15	
LPE 18:1	1.522941 ± 0.155	1.4 ± 0.47	nmol/mL	14	
LPE 18:2	2.375789 ± 0.092	1.9 ± 0.56	nmol/mL	16	
LPE 20:4	1.800956 ± 0.031	1.1 ± 0.41	nmol/mL	14	
LPE 22:6	0.828282 ± 0.026	0.52 ± 0.18	nmol/mL	12	
PC 30:0	2.294165 ± 0.084	1.6 ± 0.32	nmol/mL	11	
PC 32:0	4.577796 ± 0.37	7.2 ± 1.0	nmol/mL	18	
PC 32:1	17.94996 ± 0.726	13 ± 1.9	nmol/mL	18	
PC 32:3	0.184952 ± 0.005	0.42 ± 0.14	nmol/mL	8	
PC 34:1	137.0885 ± 1.659	120 ± 21	nmol/mL	19	
PC 34:5	0.288818 ± 0.057	0.034 ± 0.0045	nmol/mL	5	
PC 36:1	43.52375 ± 4.923	26 ± 4.6	nmol/mL	17	
PC 36:2	164.537 ± 3.735	140 ± 25	nmol/mL	18	

PC 36:3	94.10416 ± 2.451	100 ± 14	nmol/mL	17
PC 36:4	175.3342 ± 10.9	150 ± 28	nmol/mL	19
PC 36:5	12.81785 ± 0.914	11 ± 1.8	nmol/mL	16
PC 36:6	0.520334 ± 0.051	0.28 ± 0.088	nmol/mL	8
PC 38:2	5.74035 ± 0.664	2.3 ± 0.20	nmol/mL	15
PC 38:3	47.11203 ± 2.439	26 ± 5.2	nmol/mL	14
PC 38:4	74.00782 ± 8.899	84 ± 14	nmol/mL	18
PC 38:5	33.90373 ± 3.213	42 ± 7.9	nmol/mL	18
PC 38:6	55.73776 ± 4.396	41 ± 4.4	nmol/mL	18
PC 40:4	6.994666 ± 0.24	2.9 ± 0.37	nmol/mL	18
PC 40:5	5.070545 ± 0.133	6.7 ± 1.1	nmol/mL	18
PC 40:6	20.28008 ± 1.825	14 ± 2.6	nmol/mL	17
PC 40:7	2.680023 ± 0.348	3.5 ± 0.26	nmol/mL	16
PC 40:8	1.011303 ± 0.059	0.73 ± 0.20	nmol/mL	14
PE 32:1	0.018429 ± 0.004	0.34 ± 0.12	nmol/mL	6
PE 34:1	1.177059 ± 0.363	1.2 ± 0.17	nmol/mL	14
PE 34:2	2.695175 ± 0.396	2.2 ± 0.26	nmol/mL	16
PE 36:1	27.37548 ± 5.405	1.3 ± 0.26	nmol/mL	14
PE 36:2	24.35601 ± 6.896	6.7 ± 0.79	nmol/mL	16
PE 36:3	1.965704 ± 0.321	2.4 ± 0.38	nmol/mL	16
PE 36:4	3.966573 ± 0.722	3.1 ± 0.39	nmol/mL	16
PE 38:4	10.22195 ± 1.502	8.1 ± 1.2	nmol/mL	16
PE 38:5	2.250324 ± 0.536	2.7 ± 0.47	nmol/mL	12
PE 38:6	7.196822 ± 1.569	3.2 ± 0.59	nmol/mL	15
PE 40:4	28.29725 ± 6.168	0.26 ± 0.082	nmol/mL	10
PE 40:5	3.969845 ± 0.938	0.73 ± 0.23	nmol/mL	12
PE 40:6	2.986957 ± 1.068	1.8 ± 0.36	nmol/mL	14
PE 40:7	1.036119 ± 0.255	0.77 ± 0.26	nmol/mL	11
PI 34:1	1.051128 ± 0.152	2.4 ± 0.42	nmol/mL	14
PI 34:2	0.658831 ± 0.228	2.8 ± 0.38	nmol/mL	14
PI 36:3	0.338539 ± 0.104	2.2 ± 0.29	nmol/mL	14
PI 36:4	1.042537 ± 0.346	3.0 ± 0.48	nmol/mL	14
PI 38:5	0.564132 ± 0.16	2.5 ± 0.44	nmol/mL	15
PI 38:6	0.119912 ± 0.032	0.32 ± 0.031	nmol/mL	10
PI 40:4	0.009924 ± 0.002	0.30 ± 0.042	nmol/mL	7
SM d32:1	4.813181 ± 0.526	8.4 ± 1.4	nmol/mL	14
SM d32:2	0.556522 ± 0.024	0.66 ± 0.24	nmol/mL	10
SM d33:1	2.618254 ± 0.33	4.7 ± 0.64	nmol/mL	14
SM d34:1	52.98615 ± 9.776	100 ± 15	nmol/mL	21
SM d34:2	14.20498 ± 1.03	16 ± 2.2	nmol/mL	17
SM d36:0	2.191856 ± 0.188	2.0 ± 0.49	nmol/mL	11
SM d36:1	2.623366 ± 0.516	20 ± 3.7	nmol/mL	22
SM d36:2	7.809057 ± 0.944	9.6 ± 1.5	nmol/mL	22
SM d38:1	2.08641 ± 0.361	11 ± 3.1	nmol/mL	17
SM d38:2	2.088395 ± 0.395	5.2 ± 1.3	nmol/mL	17
SM d38:3	0.239485 ± 0.032	0.61 ± 0.24	nmol/mL	8
SM d40:3	0.935404 ± 0.098	2.2 ± 0.79	nmol/mL	8

CE 22:5	0.040936 ± 0.014	4.1 ± 1.6	nmol/mL	6	
CE 22:6	0.251429 ± 0.089	37 ± 9.5	nmol/mL	11	
Cholesterol	0.002236 ± 3E-04	770 ± 110	nmol/mL	8	

* Measurement mean ± 1 standard deviation.

** Consensus mean ± standard uncertainty.