

Supplemental Data

Table S1. The p-values for the interaction term (temperature*time) in the general linear models; p< 0.05 indicates statistical significance.

Element	Pool	Interaction term (p-value)
Cd	Low	0.010
	High	0.188
	Elevated	0.024
Mn	Low	0.039
	High	0.473
	Elevated	0.060
Pb	Low	0.799
	High	0.224
	Elevated	0.538
Se	Low	0.002
	High	<0.001
	Elevated	<0.001
Hg	Low	0.492
	High	<0.001
	Elevated	<0.001

Table S2. HB Cd estimates of μ_{Test} and μ_{Ref} from the model, ratios of $\mu_{\text{Test}}/\mu_{\text{Ref}}$, with 95% confidence interval (CI), and p-values for temperature (top) and time (bottom).

Sample	Temperature (°C)	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	-70	3.04	3.01–3.07	–	–	–
μ_{Test}	-20	3.02	2.99–3.05	0.992	0.980–1.00	<0.001
	4	3.05	3.02–3.08	1.00	0.991–1.01	<0.001
	23	3.07	3.03–3.11	1.01	0.994–1.02	<0.001
	35	3.18	3.12–3.25	1.05	1.03–1.07	<0.001

Sample	Time	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	3 weeks	3.23	3.19–3.28	–	–	–
μ_{Test}	5 weeks	3.05	3.01–3.10	0.946	0.929–0.963	<0.001
	2 months	2.83	2.79–2.88	0.877	0.861–0.892	<0.001
	4 months	2.89	2.83–2.94	0.893	0.876–0.910	<0.001
	6 months	2.94	2.89–3.00	0.911	0.894–0.929	<0.001
	8 months	3.10	3.04–3.15	0.959	0.940–0.978	<0.001
	10 months	3.19	3.13–3.24	0.987	0.968–1.01	<0.001
	12 months	3.13	3.07–3.20	0.971	0.951–0.992	<0.001
	18 months	3.21	3.15–3.27	0.995	0.974–1.02	<0.001
	24 months	3.12	3.06–3.18	0.966	0.946–0.986	<0.001
	30 months	3.13	3.07–3.20	0.971	0.950–0.992	<0.001
	36 months	3.06	3.00–3.12	0.947	0.928–0.968	<0.001

Table S3. EB Cd estimates of μ_{Test} and μ_{Ref} from the model, ratios of $\mu_{\text{Test}}/\mu_{\text{Ref}}$, with 95% confidence interval (CI), and p-values for temperature (top) and time (bottom).

Sample	Temperature (°C)	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	-70	10.2	10.1–10.3	–	–	–
μ_{Test}	-20	10.1	10.0–10.2	0.991	0.982–1.00	<0.001
	4	10.3	10.3–10.4	1.02	1.01–1.03	<0.001
	23	10.3	10.2–10.4	1.02	1.00–1.03	<0.001
	35	10.5	10.3–10.6	1.03	1.01–1.04	<0.001

Sample	Time	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	3 weeks	10.5	10.4–10.6	–	–	–
μ_{Test}	5 weeks	10.3	10.2–10.4	0.975	0.962–0.988	<0.001
	2 months	9.41	9.30–9.53	0.893	0.881–0.905	<0.001
	4 months	9.53	9.40–9.67	0.905	0.892–0.918	<0.001
	6 months	10.2	10.0–10.3	0.965	0.951–0.979	<0.001
	8 months	10.2	10.0–10.3	0.965	0.950–0.980	<0.001
	10 months	10.7	10.6–10.9	1.02	1.00–1.03	<0.001
	12 months	10.6	10.4–10.7	1.00	0.987–1.02	<0.001
	18 months	10.7	10.6–10.9	1.02	1.00–1.03	<0.001
	24 months	10.5	10.3–10.6	0.994	0.979–1.01	<0.001
	30 months	10.5	10.3–10.7	0.998	0.982–1.01	<0.001
	36 months	10.4	10.2–10.5	0.986	0.971–1.00	<0.001

Table S4. LB Mn estimates of μ_{Test} and μ_{Ref} from the model, ratios of $\mu_{\text{Test}}/\mu_{\text{Ref}}$, with 95% confidence interval (CI), and p-values for temperature (top) and time (bottom).

Sample	Temperature (°C)	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	-70	9.37	9.23–9.50	–	–	–
μ_{Test}	-20	9.21	9.08–9.34	0.983	0.968–0.999	<0.001
	4	9.38	9.25–9.51	1.00	0.987–1.02	<0.001
	23	9.45	9.26–9.63	1.01	0.988–1.03	<0.001
	35	9.44	9.15–9.73	1.01	0.983–1.04	<0.001

Sample	Time	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	3 weeks	9.69	9.48–9.89	–	–	–
μ_{Test}	5 weeks	11.3	11.1–11.5	1.160	1.13–1.19	<0.001
	2 months	8.92	8.71–9.12	0.920	0.898–0.943	<0.001
	4 months	9.28	9.05–9.52	0.958	0.933–0.985	<0.001
	6 months	8.84	8.6–9.07	0.909	0.884–0.933	<0.001
	8 months	7.80	7.56–8.05	0.805	0.783–0.827	<0.001
	10 months	9.61	9.37–9.84	0.992	0.965–1.02	<0.001
	12 months	10.1	9.85–10.4	1.050	1.02–1.08	<0.001
	18 months	8.97	8.69–9.24	0.926	0.899–0.953	<0.001
	24 months	9.46	9.18–9.73	0.977	0.948–1.01	<0.001
	30 months	9.97	9.69–10.2	1.030	1.00–1.06	<0.001
	36 months	8.51	8.24–8.79	0.879	0.853–0.905	<0.001

Table S5. HB Mn estimates of μ_{Test} and μ_{Ref} from the model, ratios of $\mu_{\text{Test}}/\mu_{\text{Ref}}$, with 95% confidence interval (CI), and p-values for temperature (top) and time (bottom).

Sample	Temperature (°C)	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	-70	26.7	26.5–27.0	–	–	–
μ_{Test}	-20	26.5	26.2–26.7	0.991	0.980–1.00	<0.001
	4	27.2	26.9–27.5	1.02	1.01–1.03	<0.001
	23	26.8	26.4–27.2	1.00	0.989–1.02	<0.001
	35	28.5	28.0–29.1	1.07	1.05–1.09	<0.001

Sample	Time	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	3 weeks	27.5	27.1–27.9	–	–	–
μ_{Test}	5 weeks	30.1	29.7–30.5	1.09	1.08–1.11	<0.001
	2 months	25.1	24.7–25.5	0.914	0.898–0.930	<0.001
	4 months	27.1	26.6–27.5	0.985	0.967–1.00	<0.001
	6 months	24.5	24.1–25.0	0.891	0.875–0.908	<0.001
	8 months	25.5	25.0–26.0	0.926	0.909–0.944	<0.001
	10 months	27.1	26.6–27.6	0.986	0.968–1.00	<0.001
	12 months	29.4	28.8–29.9	1.07	1.05–1.09	<0.001
	18 months	26.2	25.7–26.8	0.954	0.935–0.973	<0.001
	24 months	27.5	27.0–28.0	1.00	0.981–1.02	<0.001
	30 months	29.5	29.0–30.1	1.08	1.05–1.10	<0.001
	36 months	26.3	25.7–26.8	0.955	0.936–0.975	<0.001

Table S6. EB Mn estimates of μ_{Test} and μ_{Ref} from the model, ratios of $\mu_{\text{Test}}/\mu_{\text{Ref}}$, with 95% confidence interval (CI), and p-values for temperature (top) and time (bottom).

Sample	Temperature (°C)	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	-70	203	202–204	–	–	–
μ_{Test}	-20	202	200–203	0.994	0.986–1.00	<0.001
	4	205	204–207	1.01	1.00–1.02	<0.001
	23	204	202–206	1.00	0.995–1.01	<0.001
	35	209	206–212	1.03	1.01–1.04	<0.001

Sample	Time	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	3 weeks	205	203–208	–	–	–
μ_{Test}	5 weeks	217	215–219	0.975	0.962–0.988	<0.001
	2 months	188	186–190	0.893	0.881–0.905	<0.001
	4 months	202	199–204	0.905	0.892–0.918	<0.001
	6 months	184	182–187	0.965	0.951–0.979	<0.001
	8 months	205	202–208	0.965	0.950–0.980	<0.001
	10 months	201	198–203	1.02	1.00–1.03	<0.001
	12 months	224	221–226	1.00	0.987–1.02	<0.001
	18 months	197	194–200	1.02	1.00–1.03	<0.001
	24 months	207	204–210	0.990	0.979–1.01	<0.001
	30 months	219	216–222	1.00	0.982–1.01	<0.001
	36 months	204	202–207	0.986	0.971–1.00	<0.001

Table S7. LB Pb estimates of μ_{Test} and μ_{Ref} from the model, ratios of $\mu_{\text{Test}}/\mu_{\text{Ref}}$, with 95% confidence interval (CI), and p-values for temperature (top) and time (bottom).

Sample	Temperature (°C)	Estimate ($\mu\text{g}/\text{dL}$)	95% CI ($\mu\text{g}/\text{dL}$)	Ratio	95% CI	p-value
μ_{Ref}	-70	0.987	0.981–0.993	–	–	–
μ_{Test}	-20	0.983	0.977–0.990	0.997	0.989–1.00	<0.001
	4	0.994	0.988–1.00	1.01	1.00–1.02	<0.001
	23	0.986	0.977–0.995	0.999	0.989–1.01	<0.001
	35	0.992	0.979–1.01	1.01	0.993–1.02	<0.001

Sample	Time	Estimate ($\mu\text{g}/\text{dL}$)	95% CI ($\mu\text{g}/\text{dL}$)	Ratio	95% CI	p-value
μ_{Ref}	3 weeks	0.987	0.939–0.958	–	–	–
μ_{Test}	5 weeks	0.908	0.898–0.917	0.957	0.946–0.968	<0.001
	2 months	0.939	0.929–0.948	0.990	0.978–1.00	<0.001
	4 months	0.959	0.947–0.970	1.01	0.998–1.02	<0.001
	6 months	0.937	0.926–0.949	0.988	0.976–1.00	<0.001
	8 months	1.07	1.06–1.09	1.13	1.12–1.15	<0.001
	10 months	1.04	1.03–1.05	1.09	1.08–1.11	<0.001
	12 months	1.01	1.00–1.02	1.07	1.05–1.08	<0.001
	18 months	1.03	1.02–1.05	1.09	1.07–1.10	<0.001
	24 months	1.03	1.02–1.04	1.09	1.07–1.10	<0.001
	30 months	0.990	0.98–1.00	1.04	1.03–1.06	<0.001
	36 months	0.995	0.98–1.01	1.05	1.03–1.06	<0.001

Table 8. HB Pb estimates of μ_{Test} and μ_{Ref} from the model, ratios of $\mu_{\text{Test}}/\mu_{\text{Ref}}$, with 95% confidence interval (CI), and p-values for temperature (top) and time (bottom).

Sample	Temperature (°C)	Estimate ($\mu\text{g}/\text{dL}$)	95% CI ($\mu\text{g}/\text{dL}$)	Ratio	95% CI	p-value
μ_{Ref}	-70	4.37	4.34–4.40	–	–	–
μ_{Test}	-20	4.35	4.32–4.38	0.996	0.987–1.005	<0.001
	4	4.42	4.39–4.45	1.01	1.003–1.021	<0.001
	23	4.35	4.31–4.40	0.996	0.985–1.007	<0.001
	35	4.48	4.41–4.55	1.03	1.011–1.042	<0.001

Sample	Time	Estimate ($\mu\text{g}/\text{dL}$)	95% CI ($\mu\text{g}/\text{dL}$)	Ratio	95% CI	p-value
μ_{Ref}	3 weeks	4.36	4.31–4.40	–	–	–
μ_{Test}	5 weeks	4.19	4.14–4.24	0.963	0.950–0.976	<0.001
	2 months	4.23	4.18–4.28	0.971	0.958–0.984	<0.001
	4 months	4.29	4.23–4.34	0.984	0.970–0.999	<0.001
	6 months	4.15	4.09–4.20	0.952	0.938–0.966	<0.001
	8 months	4.60	4.54–4.66	1.06	1.04–1.07	<0.001
	10 months	4.54	4.48–4.60	1.04	1.03–1.06	<0.001
	12 months	4.52	4.45–4.58	1.04	1.02–1.05	<0.001
	18 months	4.43	4.36–4.49	1.02	1.00–1.03	<0.001
	24 months	4.53	4.46–4.59	1.04	1.02–1.06	<0.001
	30 months	4.42	4.36–4.49	1.02	1.00–1.03	<0.001
	36 months	4.50	4.44–4.57	1.03	1.02–1.05	<0.001

Table S9. EB Pb estimates of μ_{Test} and μ_{Ref} from the model, ratios of $\mu_{\text{Test}}/\mu_{\text{Ref}}$, with 95% confidence interval (CI), and p-values for temperature (top) and time (bottom).

Sample	Temperature (°C)	Estimate ($\mu\text{g}/\text{dL}$)	95% CI ($\mu\text{g}/\text{dL}$)	Ratio	95% CI	p-value
μ_{Ref}	-70	8.65	8.60–8.70	–	–	–
μ_{Test}	-20	8.60	8.55–8.65	0.994	0.987–1.00	<0.001
	4	8.78	8.73–8.83	1.01	1.01–1.02	<0.001
	23	8.71	8.64–8.79	1.01	0.999–1.02	<0.001
	35	8.77	8.66–8.88	1.01	0.999–1.02	<0.001

Sample	Time	Estimate ($\mu\text{g}/\text{dL}$)	95% CI ($\mu\text{g}/\text{dL}$)	Ratio	95% CI	p-value
μ_{Ref}	3 weeks	8.59	8.52–8.67	–	–	–
μ_{Test}	5 weeks	8.33	8.25–8.41	0.969	0.959–0.979	<0.001
	2 months	8.44	8.36–8.52	0.982	0.972–0.992	<0.001
	4 months	8.47	8.38–8.56	0.986	0.975–0.997	<0.001
	6 months	8.23	8.14–8.32	0.958	0.947–0.969	<0.001
	8 months	9.00	8.90–9.10	1.05	1.03–1.06	<0.001
	10 months	8.95	8.86–9.04	1.04	1.03–1.05	<0.001
	12 months	9.09	8.98–9.19	1.06	1.04–1.07	<0.001
	18 months	8.61	8.51–8.72	1.00	0.989–1.01	<0.001
	24 months	8.93	8.83–9.04	1.04	1.03–1.05	<0.001
	30 months	8.69	8.59–8.80	1.01	1.00–1.02	<0.001
	36 months	9.07	8.97–9.18	1.06	1.04–1.07	<0.001

Table S10. LB Se estimates of μ_{Test} and μ_{Ref} from the model, ratios of $\mu_{\text{Test}}/\mu_{\text{Ref}}$, with 95% confidence interval (CI), and p-values for temperature (top) and time (bottom).

Sample	Temperature (°C)	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	-70	178	177–180	–	–	–
μ_{Test}	-20	178	176–180	1.00	0.990–1.01	<0.001
	4	179	177–180	1.00	0.992–1.01	<0.001
	23	178	176–181	1.00	0.988–1.02	<0.001
	35	171	168–175	0.961	0.943–0.979	<0.001

Sample	Time	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	3 weeks	179	176–181	–	–	–
μ_{Test}	5 weeks	183	180–185	1.02	1.00–1.04	<0.001
	2 months	151	149–154	0.845	0.831–0.860	<0.001
	4 months	176	173–179	0.986	0.968–1.00	<0.001
	6 months	176	173–179	0.986	0.968–1.00	<0.001
	8 months	156	153–159	0.876	0.859–0.893	<0.001
	10 months	178	175–181	0.995	0.976–1.01	<0.001
	12 months	181	177–184	1.01	0.992–1.03	<0.001
	18 months	172	168–175	0.962	0.943–0.982	<0.001
	24 months	184	181–188	1.03	1.01–1.05	<0.001
	30 months	200	197–204	1.12	1.10–1.14	<0.001
	36 months	187	184–191	1.05	1.03–1.07	<0.001

Table S11. HB Se estimates of μ_{Test} and μ_{Ref} from the model, ratios of $\mu_{\text{Test}}/\mu_{\text{Ref}}$, with 95% confidence interval (CI), and p-values for temperature (top) and time (bottom).

Sample	Temperature (°C)	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	-70	236	233–239	–	–	–
μ_{Test}	-20	238	235–241	1.01	0.995–1.03	<0.001
	4	242	240–245	1.03	1.01–1.04	<0.001
	23	235	231–239	1.00	0.976–1.01	<0.001
	35	227	220–233	0.963	0.937–0.988	<0.001

Sample	Temperature (°C)	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	3 weeks	237	232–241	–	–	–
μ_{Test}	5 weeks	244	239–248	1.03	1.00–1.05	<0.001
	2 months	210	205–215	0.885	0.864–0.907	<0.001
	4 months	233	228–238	0.985	0.960–1.01	<0.001
	6 months	236	231–241	0.997	0.971–1.02	<0.001
	8 months	209	204–215	0.885	0.862–0.909	<0.001
	10 months	233	227–238	0.982	0.957–1.01	<0.001
	12 months	237	231–244	1.00	0.974–1.03	<0.001
	18 months	235	229–242	0.994	0.966–1.02	<0.001
	24 months	244	238–251	1.03	1.00–1.06	<0.001
	30 months	268	262–274	1.13	1.10–1.16	<0.001
	36 months	242	235–248	1.02	0.991–1.05	<0.001

Table S12. EB Se estimates of μ_{Test} and μ_{Ref} from the model, ratios of $\mu_{\text{Test}}/\mu_{\text{Ref}}$, with 95% confidence interval (CI), and p-values for temperature (top) and time (bottom).

Sample	Temperature (°C)	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	-70	580	572–587	–	–	–
μ_{Test}	-20	577	569–585	1.00	0.98–1.01	<0.001
	4	594	586–602	1.03	1.01–1.04	<0.001
	23	571	560–583	0.99	0.965–1.01	<0.001
	35	539	522–556	0.930	0.903–0.957	<0.001

Sample	Time	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	3 weeks	563	551–575	–	–	–
μ_{Test}	5 weeks	588	576–600	1.04	1.02–1.07	<0.001
	2 months	503	491–515	0.892	0.869–0.916	<0.001
	4 months	557	543–571	0.991	0.963–1.02	<0.001
	6 months	577	563–591	1.03	0.997–1.05	<0.001
	8 months	522	507–537	0.929	0.901–0.957	<0.001
	10 months	567	554–581	1.010	0.980–1.04	<0.001
	12 months	591	575–607	1.05	1.02–1.08	<0.001
	18 months	586	569–602	1.04	1.01–1.07	<0.001
	24 months	580	563–596	1.03	0.999–1.06	<0.001
	30 months	657	640–673	1.16	1.13–1.20	<0.001
	36 months	577	561–593	1.03	0.994–1.06	<0.001

Table S13. LB THg estimates of μ_{Test} and μ_{Ref} from the model, ratios of $\mu_{\text{Test}}/\mu_{\text{Ref}}$, with 95% confidence interval (CI), and p-values for temperature (top) and time (bottom).

Sample	Temperature (°C)	Estimate (µg/L)	95% CI (µg/L)	Ratio	95% CI	p-value
μ_{Ref}	-70	0.439	0.430–0.447	–	–	–
μ_{Test}	-20	0.434	0.425–0.443	0.989	0.966–1.01	<0.001
	4	0.438	0.430–0.447	1.00	0.976–1.02	<0.001
	23	0.436	0.423–0.448	0.990	0.962–1.02	<0.001
	35	0.443	0.423–0.462	1.00	0.965–1.04	<0.001

Sample	Time	Estimate (µg/L)	95% CI (µg/L)	Ratio	95% CI	p-value
μ_{Ref}	3 weeks	0.406	0.392–0.419	–	–	–
μ_{Test}	5 weeks	0.470	0.457–0.484	1.16	1.12–1.20	<0.001
	2 months	0.487	0.473–0.500	1.20	1.16–1.24	<0.001
	4 months	0.397	0.381–0.413	0.977	0.940–1.02	<0.001
	6 months	0.457	0.441–0.472	1.12	1.08–1.17	<0.001
	8 months	0.391	0.375–0.407	0.962	0.924–1.00	<0.001
	10 months	0.394	0.378–0.409	0.969	0.932–1.01	<0.001
	12 months	0.412	0.394–0.431	1.01	0.971–1.06	<0.001
	18 months	0.413	0.395–0.431	1.01	0.972–1.06	<0.001
	24 months	0.453	0.435–0.471	1.11	1.07–1.16	<0.001
	30 months	0.524	0.506–0.542	1.29	1.24–1.35	<0.001
	36 months	0.451	0.433–0.469	1.11	1.06–1.16	<0.001

Table S14. HB THg estimates of μ_{Test} and μ_{Ref} from the model, ratios of $\mu_{\text{Test}}/\mu_{\text{Ref}}$, with 95% confidence interval (CI), and p-values for temperature (top) and time (bottom).

Sample	Temperature (°C)	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	-70	5.69	5.60–5.77	–	–	–
μ_{Test}	-20	5.71	5.62–5.80	1.00	0.986–1.02	<0.001
	4	5.70	5.62–5.79	1.00	0.985–1.02	<0.001
	23	5.59	5.47–5.71	0.98	0.958–1.00	<0.001
	35	5.39	5.20–5.57	0.942	0.914–0.972	<0.001

Sample	Time	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	3 weeks	5.55	5.42–5.68	–	–	–
μ_{Test}	5 weeks	5.55	5.42–5.69	1.00	0.970–1.03	<0.001
	2 months	5.75	5.61–5.88	1.03	1.01–1.06	<0.001
	4 months	5.51	5.35–5.66	0.992	0.962–1.02	<0.001
	6 months	5.94	5.79–6.10	1.07	1.04–1.10	<0.001
	8 months	5.87	5.71–6.03	1.06	1.02–1.09	<0.001
	10 months	5.29	5.13–5.44	0.950	0.922–0.980	<0.001
	12 months	5.63	5.45–5.80	1.01	0.978–1.05	<0.001
	18 months	5.50	5.32–5.68	0.989	0.956–1.02	<0.001
	24 months	5.58	5.40–5.76	1.00	0.970–1.04	<0.001
	30 months	5.61	5.43–5.79	1.01	0.975–1.04	<0.001
	36 months	5.62	5.44–5.80	1.01	0.976–1.04	<0.001

Table S15. EB THg estimates of μ_{Test} and μ_{Ref} from the model, ratios of $\mu_{\text{Test}}/\mu_{\text{Ref}}$, with 95% confidence interval (CI), and p-values for temperature (top) and time (bottom).

Sample	Temperature (°C)	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	-70	192	190–195	–	–	–
μ_{Test}	-20	191	188–193	0.992	0.975–1.01	<0.001
	4	195	192–197	1.01	0.995–1.03	<0.001
	23	182	178–186	0.946	0.925–0.968	<0.001
	35	165	159–171	0.854	0.828–0.880	<0.001

Sample	Time	Estimate ($\mu\text{g/L}$)	95% CI ($\mu\text{g/L}$)	Ratio	95% CI	p-value
μ_{Ref}	3 weeks	180	176–184	–	–	–
μ_{Test}	5 weeks	190	186–194	1.05	1.03–1.08	<0.001
	2 months	192	188–196	1.07	1.04–1.10	<0.001
	4 months	183	178–187	1.02	0.986–1.05	<0.001
	6 months	191	187–196	1.06	1.03–1.09	<0.001
	8 months	195	190–200	1.08	1.05–1.12	<0.001
	10 months	175	171–180	0.973	0.945–1.00	<0.001
	12 months	189	184–195	1.05	1.02–1.08	<0.001
	18 months	180	174–185	0.999	0.967–1.03	<0.001
	24 months	180	175–186	1.00	0.971–1.04	<0.001
	30 months	179	173–184	1.00	0.964–1.03	<0.001
	36 months	185	179–190	1.03	0.993–1.06	<0.001