Supplementary material

1 Supplementary Table S1. Comparison of the accumulation of MIB (**a**) and GSM (**b**) between
2 rainbow trout and European whitefish. Lipid percentage was used as a covariant (0.90
3 correlation expectancy within time points), but it showed no statistical significance (p = 0.60
4 and p = 0.80, respectively). The value p = 0.998 for MIB indicated no difference between the
5 species. For GSM, slopes differed somewhat but no statistically significant difference was
6 found (p = 0.15).

7 **a**)

Parameter estimates for MIB (1000 Simulations)							
Parameter	Species	Estimate	Std. Error	95% Confidence Limits		T value	P value
Intercept		-0.2654	0.2686	-0.7918	0.2610	-0.99	0.323
Species	Rainbow trout	0.0611	0.3515	-0.6278	0.7500	0.17	0.862
Species	European whitefish	0	.	.	.	.	.
Days		0.0095	0.0033	0.0031	0.0159	2.91	0.004
Days*Species	Rainbow trout	0	0.0025	-0.0048	0.0048	0	0.998
Days*Species	European whitefish	0	.	.	.	.	.
Lipid content		0.0314	0.0601	-0.0864	0.1492	0.52	0.601

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9 **b**)

Parameter estimates for GSM (1000 Simulations)							
Parameter	Species	Estimate	Std. Error	95% Confidence Limits		T value	P value
Intercept		-0.2410	0.3224	-0.8730	0.3908	-0.75	0.455
Species	Rainbow trout	0.0407	0.3883	-0.7203	0.8017	0.10	0.917
Species	European whitefish	0	.	.	.	.	.
Days		0.0112	0.0032	0.0049	0.0175	3.49	0.001
Days*Species	Rainbow trout	0.0038	0.0026	-0.0013	0.0089	1.45	0.146
Days*Species	European whitefish	0	.	.	.	.	.
Lipid content		-0.0151	0.0597	-0.1322	0.1021	-0.25	0.801

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Supplementary material

13 Supplementary Table S2. Correlation data between the concentrations of MIB (**a**) and GSM
14 (**b**) in tank water and in rainbow trout and European whitefish flesh. The values p = 0.77 for
15 MIB and p = 0.91 for GSM showed no significant correlation.

16 **a**)

Parameter estimates for MIB (1000 Simulations)							
Parameter	Species	Estimate	Std. Error	95% Confidence Limits		T value	P value
Intercept		-0.0560	0.7743	-1.5739	1.4620	-0.07	0.942
Species	Rainbow trout	0.0287	0.3816	-0.7193	0.7767	0.08	0.940
Species	European whitefish	0	.	.	.	.	.
Days		0.0093	0.0033	0.0028	0.0159	2.80	0.005
Days*Species	Rainbow trout	0.0001	0.0025	-0.0049	0.0050	0.03	0.974
Days*Species	European whitefish	0	.	.	.	.	.
Conc. in tank		-0.0040	0.0136	-0.0308	0.0227	-0.29	0.768
Lipid content		0.0326	0.0606	-0.0862	0.1515	0.54	0.590

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18 **b**)

| Parameter estimates for GSM (1000 Simulations)							
Parameter	Species	Estimate	Std. Error	95% Confidence Limits		T value	P value
Intercept		-0.1709	0.7395	-1.6205	1.2788	-0.23	0.817
Species	Rainbow trout	-0.0013	0.5805	-1.1393	1.1366	0	0.998
Species	European whitefish	0	.	.	.	.	.
Days		0.0110	0.0036	0.0039	0.0181	3.02	0.003
Days*Species	Rainbow trout	0.0040	0.0032	-0.0023	0.0102	1.25	0.211
Days*Species	European whitefish	0	.	.	.	.	.
Conc. in tank		-0.0016	0.0150	-0.0310	0.0277	-0.11	0.914
Lipid content		-0.0145	0.0597	-0.1315	0.1025	-0.24	0.808

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Supplementary material
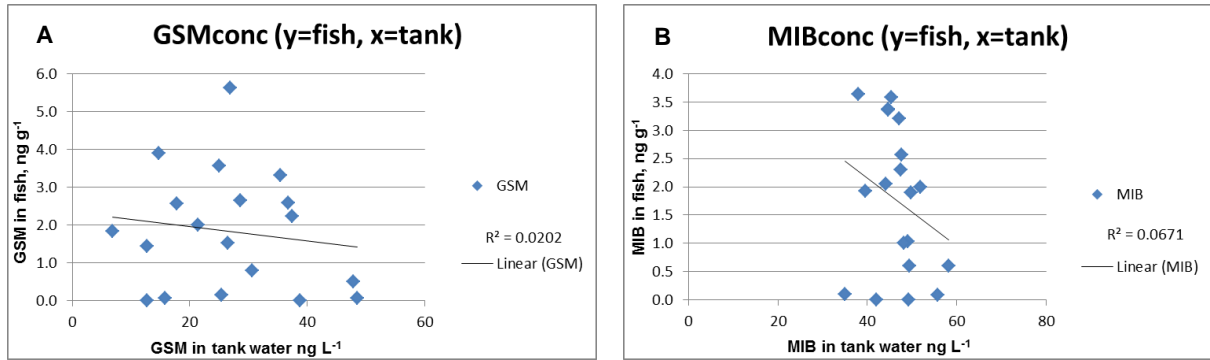
Supplementary Figure S1. Correlation between the concentrations of MIB (**A**) and GSM (**B**) in tank water and in rainbow trout and European whitefish flesh. The values $p = 0.77$ for MIB and $p = 0.91$ for GSM showed no significant correlation.
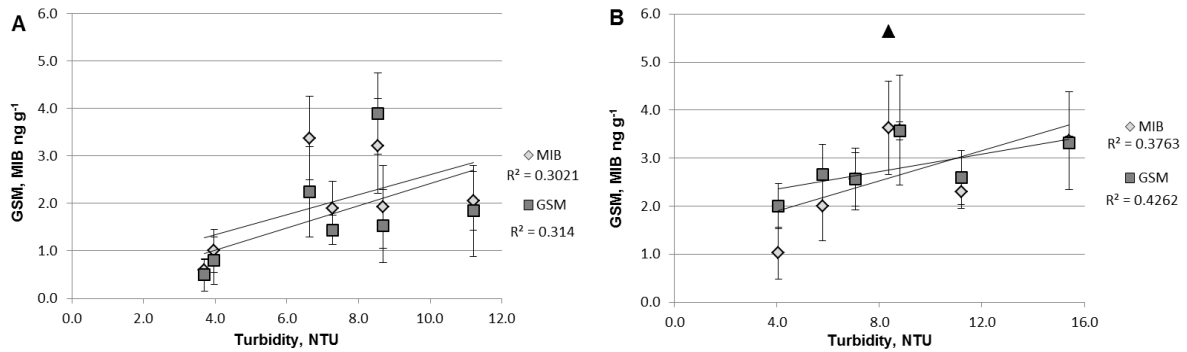
Supplementary Figure S2. Correlations between turbidity in circulating water (NTU) and concentrations of GSM and MIB in (**A**) European whitefish and (**B**) rainbow trout flesh (ng·g^{-1}, n = 4, ± SD). Outlier marked with ▲.