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## **Supplementary Information**

## Dissolved Black Carbon and Semivolatile Aromatic Hydrocarbons in the Ocean: Two Entangled Biogeochemical Cycles?

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This supplementary material contains Table S1 and Figure S1

Table S1: Summary of the DBC and SALC concentrations for the eight oceanic regions where SALCs and DBC were compared. The concentrations are the mean for the region. SD stands for standard deviation. N is the number of measurements in that given region.

		Ν	[DBC] ngL-1	SD	N	[SALC] ng L-1	SD	[SALCS]/[DBC](%)
Bering Strait-Arctic	Α	18	5456	3731	30	1322	1704	24.2
Subtropical North Pacific	в	2	4285	4523	2	1322	665	30.9
Tropical North Atlantic	С	8	14394	10508	2	1438	217	10.0
Eastern South Atlantic	D	1	3983	0	8	210	129	5.3
Southern Ocean	Е	7	8777	1743	26	1379	1229	15.7
South China Sea	F	41	12518	3008	12	1883	963	15.0
Nortwest Pacific	G	44	49268	27902	22	2247	3251	4.6
Pacific Subarctic	н	10	7368	1001	12	1653	1653	22.4
MEAN			13256			1432		16.0

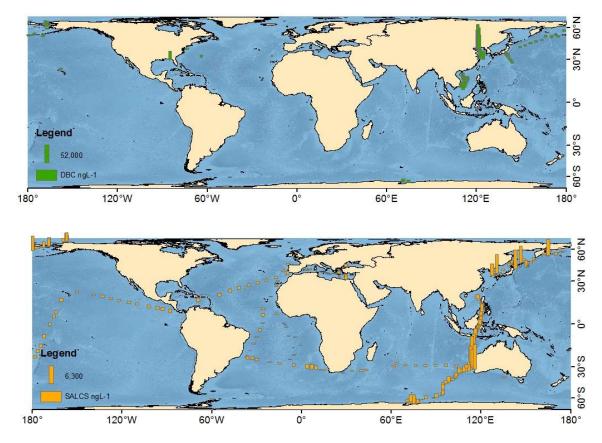


Figure S1: Global distribution of concentrations of DBC (upper panel) and SALCs (lower panel) in the oceans for the eight regions were DBC and SALCs could be compared.