

Region	Time	Water concentration of OCS mean \pm SD (pmolL ⁻¹)	No. of samples	References
Open ocean				
Indian Ocean	Mar/May 1986	19.9 \pm 0.5 ^a	20	Mihalopoulos et al. (1992)
	Jul 1987	19.9 \pm 1.0 ^a	14	
Southern Ocean	Nov–Dec 1990	109 ^b	126	Staubes and Georgii (1993)
North Atlantic Ocean	Apr/May 1992	14.9 \pm 6.9	118	Ulshöfer et al. (1995)
	Jan 1994	5.3 \pm 1.6	120	
	Sep 1994	19.0 \pm 8.3	235	
Northeastern Atlantic	Jan 1994	6.7 (4–11)	120	Flöck and Andreae (1996)
Western Atlantic	Mar 1995	8.1 \pm 7.0	323	Ulshöfer and Andreae (1998)
Northeastern Atlantic Ocean	Jun/Jul 1997	23.6 \pm 16.0	940	Von Hobe et al. (1999)
Atlantic (meridional transect)	Aug 1999	21.7 \pm 19.1	783	Kettle et al. (2001)
North Atlantic	Aug 1999	8.6 \pm 2.8	518	Von Hobe et al. (2001)
Atlantic (meridional transect)	Oct/Nov 1997	14.8 \pm 11.4	306	Xu et al. (2001)
Indian Ocean	May/Jun 1998	18.1 \pm 16.1	440	Lennartz et al. (2017)
	Jul/Aug 2014	9.1 \pm 3.5	^c	
Coastal, shelf, and estuary waters				
Western North Atlantic Shelf	Jun/Jul 1990			Cutter and Radford-Knoery (1993)
Estuaries	Aug 1990	400	15	
Indian Ocean, Mediterranean Sea, French Atlantic (coast)		300–12 100	Unknown	
Averages of several cruises (shelf + coast)	Dec 1989–1990	400–70 300	336	Mihalopoulos et al. (1992)
Mediterranean Sea (shelf)	May 1987			Andreae and Ferek (1992)
North Sea (shelf)	Averages of several cruises	112	157	
Chesapeake Bay (coast)	Jul 1993	43 \pm 24	34	Ulshöfer et al. (1996)
Eastern tropical South Pacific (shelf)	Sep 1992	49.1 \pm 11.7	69	Uher et al. (1997)
	Oct 1991–May 1994	320.0 \pm 351	23	Zhang et al. (1998)
	Oct 2015	40.5 \pm 16.4	^c	Lennartz et al. (2017)