Table 4. Volume weighted average concentrations (nM) and volume weighted standard deviations for Cu total, Cu particulate, Cu(I)(aq), Cu(II)(aq), and Cu(II)/Cu(I) ratio in rainwater collected at Wilmington, NC between August 25, 2000 and September 24, 2002. Year 1is August 25, 2000 to September 23, 2001 and Year 2 is September 24, 2001 to September 24, 2002. The n was equal for Cu(I) and Cu(II) when calculating the Cu(II)/Cu(I) ratio. The %Cu(I)(aq) and %Cu(II)(aq) is relative to Cu total, n = number of samples and amt = rain amount in mm.

	n_1	Amt	pH	Cu(I)(aq)	n_2	Amt	pH	Cu(II)(aq)	n_3	Amt	pH	Cu total	n_4	Amt	pH	Cu part	% Cu(I)	% Cu(II)	Cu(II)/Cu(I)
Year 1	40	985	5.02	1.6 ± 0.2	29	662	5.08	6.6 ± 1.6	30	736	5.09	8.0 ± 1.7	24	537	5.07	3.6 ± 1.1	20	83	3.8
Year 2	28	759	5.62	1.1 ± 0.2	27	736	5.62	0.1 ± 0.1	31	691	5.58	2.5 ± 0.5	30	764	5.57	1.3 ± 0.4	45	4.5	0.1
All Data	68	1744	5.27	1.4± 0.2	56	1397	5.34	3.2 ± 0.9	63	1440	5.33	5.3 ± 0.9	54	1301	5.35	2.3 ± 0.6	26	61	2.3
Summer	46	1285	5.20	1.1 ± 0.2	38	997	5.26	4.2 ± 1.2	38	971	5.31	5.2 ± 1.3	32	864	5.31	1.8 ± 0.6	21	81	3.5
Winter	12	178	5.32	2.9 ± 0.5	8	119	5.53	0.4 ± 0.2	11	152	5.23	5.2 ± 1.8	10	133	5.3	2.9 ± 1.8	55	8	0.2
Coastal	20	708	5.75	0.9 ± 0.2	18	564	5.80	1.9 ± 1.2	18	691	5.77	3.4 ± 1.5	17	540	5.79	1.8 ± 0.8	25	55	1.9
Cont.	22	447	4.79	2.2 ± 0.3	16	301	4.85	7.7 ± 2.1	20	332	4.86	10.2 ± 2.0	17	264	4.88	4.2 ± 1.2	22	75	3.1
Other Storm Origins	26	589	5.3	1.4 ± 0.3	22	532	5.32	2.1 ± 1.2	22	399	5.42	4.3 ± 1.1	20	498	5.39	1.8 ± 0.9	32	48	1.7