

Table S1. The lower 10th, median and 90th percentile values of Hg^o (ppqv) at AI, TF, and PM. The seasonal sample size is given under “N”.

	AI				TF				PM			
	N	10 th	Med	90 th	N	10 th	Med	90 th	N	10 th	Med	90 th
2004 Winter					24537	154	166	179				
Spring					24974	140	157	179				
Summer					25255	114	136	156				
Fall					24462	114	138	162				
2005 Winter					13771	153	168	192				
Spring					19870	149	172	198				
Summer					25079	103	136	161	20822	145	163	189
Fall					22367	85	112	143	25498	136	151	169
2006 Winter					18528	142	156	185	23277	147	161	181
Spring					18132	136	156	182	22767	146	158	174
Summer					16178	109	131	150	20177	121	140	159
Fall					18712	89	127	171	18704	133	148	164
2007 Winter					18510	163	178	194	17351	159	171	186
Spring					18441	153	179	202	18574	150	169	187
Summer	14493	113	157	184	18906	112	146	172	15304	131	146	170
Fall	3125	92	106	120	17642	105	142	173	18965	123	138	158
2008 Winter	--	--	--	--	18303	153	171	194	18842	143	161	180
Spring	10365	119	140	164	18684	134	152	177	10189	138	157	172
Summer	13870	112	148	187	17024	101	131	160	18203	134	152	175
Fall	11926	102	130	164	15534	93	127	162	24373	122	136	155
2009 Winter	11625	128	156	179	5388	160	174	189	20547	131	145	157
Spring	11857	133	154	171	15955	150	169	186	16130	131	150	172
Summer	11610	113	138	163	16665	114	140	170	21668	125	138	156
Fall	10522	104	125	149	15427	95	118	135	17647	94	127	148
2010 Winter	5341	134	174	185	16186	135	150	165	10714	143	156	168
Spring	12675	157	174	185	16698	133	150	163	20861	140	154	167
Summer	15879	128	144	167	17336	119	151	172	16364	125	138	153