

Supplementary Material

Table: OC and EC concentrations in PM_{2.5} and PM_{10-2.5}.

Sample	x (m)	Time Period		C _{<2.5} (µg/m ³)		C _{10-2.5} (µg/m ³)	
		From	To	OC ± Unc.	EC ± Unc.	OC ± Unc.	EC ± Unc.
7M	0	7:14	9:14	9.124 ± 1.032	3.695 ± 1.816	3.251 ± 0.380	0.437 ± 0.200
	20	7:19	9:17	8.179 ± 0.902	1.631 ± 0.826	4.297 ± 0.266	0.613 ± 0.096
	40	7:23	9:18	8.270 ± 0.862	1.170 ± 0.655	4.821 ± 0.458	0.540 ± 0.207
	90	7:24	9:20	8.478 ± 1.045	1.317 ± 0.634	4.721 ± 0.404	0.608 ± 0.109
	190	7:27	9:22	8.126 ± 1.013	1.209 ± 0.611	4.555 ± 0.29	0.641 ± 0.092
7A	0	16:21	19:37	6.664 ± 0.589	2.556 ± 0.391	2.502 ± 0.170	0.370 ± 0.057
	20	16:25	19:34	4.788 ± 0.427	1.828 ± 0.338	2.276 ± 0.209	0.260 ± 0.052
	40	16:26	19:40	4.827 ± 0.512	1.568 ± 0.322		
	90	16:29	19:43	5.567 ± 0.841	1.207 ± 0.299		
	190	16:35	19:45	3.303 ± 0.362	0.734 ± 0.247		
10M	0	7:09	9:58	8.416 ± 0.676	2.258 ± 0.363	1.398 ± 0.116	0.254 ± 0.051
	20	7:25	10:01	9.068 ± 0.743	2.363 ± 0.417	1.650 ± 0.162	0.334 ± 0.070
	40	7:27	10:03	8.528 ± 0.706	2.019 ± 0.391	1.237 ± 0.094	0.278 ± 0.060
	90	7:32	10:05	8.770 ± 0.942	2.085 ± 0.412	1.159 ± 0.105	0.258 ± 0.061
	190	7:36	10:07	8.922 ± 0.692	2.269 ± 0.401	1.489 ± 0.204	0.395 ± 0.115
10A	0	16:28	19:09	6.370 ± 0.597	1.557 ± 0.354	1.638 ± 0.139	0.344 ± 0.067
	20	16:34	19:14	5.020 ± 0.455	1.116 ± 0.315	1.397 ± 0.129	0.268 ± 0.057
	40	16:36	19:16	6.299 ± 0.538	1.076 ± 0.335	1.878 ± 0.648	0.360 ± 0.148
	90	16:38	19:19	4.106 ± 0.435	0.761 ± 0.302	0.955 ± 0.089	0.162 ± 0.050
	190	16:41	19:22	3.932 ± 0.377	0.673 ± 0.284	1.270 ± 0.113	0.153 ± 0.077
11M	0	7:18	9:46	9.388 ± 0.901	4.464 ± 0.529	3.216 ± 0.434	0.821 ± 0.168
	20	7:21	9:48	9.206 ± 0.886	4.459 ± 0.588	2.971 ± 0.380	0.629 ± 0.177
	40	7:23	9:49	10.869 ± 0.911	5.736 ± 0.591	3.686 ± 0.230	1.021 ± 0.121
	90	7:25	9:51	10.541 ± 1.034	5.045 ± 0.655	4.095 ± 0.359	0.932 ± 0.100
	190	7:28	9:54	10.037 ± 0.923	4.534 ± 0.584	4.099 ± 0.451	0.663 ± 0.382
11A	0	16:34	19:02	5.981 ± 0.569	2.318 ± 0.410	0.917 ± 0.095	0.059 ± 0.084
	20	16:29	19:00	9.509 ± 0.718	3.489 ± 0.479	1.462 ± 0.128	0.326 ± 0.063
	40	16:36	19:04	9.061 ± 0.705	2.545 ± 0.428	1.027 ± 0.089	0.191 ± 0.056
	90	16:37	19:06	8.283 ± 0.714	2.004 ± 0.429	0.935 ± 0.090	0.150 ± 0.053
	190	16:39	19:09			0.822 ± 0.070	0.106 ± 0.047
13M	0	7:20	10:05	4.074 ± 0.295	1.571 ± 0.250	1.209 ± 0.064	0.233 ± 0.035
	30	7:25	10:07	3.925 ± 0.448	1.438 ± 0.338	1.336 ± 0.119	0.283 ± 0.060
	90	7:27	10:08	4.577 ± 0.513	1.397 ± 0.335	1.265 ± 0.096	0.339 ± 0.160
	190	7:30	10:11	7.406 ± 0.739	1.095 ± 0.316	1.204 ± 0.091	0.244 ± 0.053

Table: OC and EC concentrations in PM_{2.5} and PM_{10-2.5} (continued).

Sample	x (m)	Time Period		C _{<2.5} (µg/m ³)			C _{10-2.5} (µg/m ³)		
		From	To	OC ± Unc.	EC ± Unc.		OC ± Unc.	EC ± Unc.	
13N	0	11:22	15:11	5.193 ± 0.546	1.589 ± 0.287		1.214 ± 0.086	0.250 ± 0.042	
	20	11:25	15:14	3.639 ± 0.333	1.111 ± 0.258		0.913 ± 0.070	0.148 ± 0.037	
	40	11:27	15:16	3.527 ± 0.409	0.864 ± 0.240		0.906 ± 0.070	0.118 ± 0.054	
	90	11:31	15:18	3.676 ± 0.430	0.828 ± 0.242		0.874 ± 0.100	0.153 ± 0.048	
	190	11:34	15:21	2.891 ± 0.285	0.594 ± 0.213		0.855 ± 0.073	0.131 ± 0.035	
14M	0	7:09	9:49	3.895 ± 0.425	2.689 ± 0.393		1.485 ± 0.127	0.236 ± 0.114	
	20	7:13	9:41	2.378 ± 0.276	1.656 ± 0.356		0.954 ± 0.084	0.230 ± 0.053	
	40	7:15	9:38	2.710 ± 0.712	1.587 ± 0.640		0.546 ± 0.059	0.137 ± 0.049	
	90	7:17	9:35	1.205 ± 0.182	0.756 ± 0.321		0.706 ± 0.107	0.129 ± 0.048	
	190	7:20	9:54	1.302 ± 0.180	0.466 ± 0.261		0.506 ± 0.050	0.104 ± 0.043	
14N	0	11:40	14:53	4.359 ± 0.714	2.451 ± 0.364		0.581 ± 0.059	0.175 ± 0.049	
	20	11:43	14:55	1.909 ± 0.293	1.311 ± 0.289		0.091 ± 0.017	0.078 ± 0.036	
	40	11:45	14:57	1.703 ± 0.275	0.980 ± 0.270		0.363 ± 0.070	0.106 ± 0.052	
	90	11:47	15:00	1.552 ± 0.298	0.661 ± 0.257		0.211 ± 0.055	0.035 ± 0.028	
	190	11:50	15:02	0.872 ± 0.129	0.316 ± 0.208		0.015 ± 0.004	0.037 ± 0.028	
14A	0	16:39	19:35	3.331 ± 0.370	2.350 ± 0.368		0.510 ± 0.074	0.194 ± 0.055	
	20	16:42	19:38	1.668 ± 0.327	1.362 ± 0.317		0.276 ± 0.032	0.153 ± 0.059	
	40	16:44	19:39	1.839 ± 0.232	1.149 ± 0.290		0.050 ± 0.006	0.069 ± 0.035	
	90	16:45	19:41	1.553 ± 0.223	0.782 ± 0.293		0.067 ± 0.008	0.066 ± 0.035	
	190	16:48	19:43	1.060 ± 0.172	0.494 ± 0.247		0.065 ± 0.008	0.059 ± 0.034	
15M	0	7:03	9:24	2.458 ± 0.305	2.006 ± 0.402		1.052 ± 0.159	0.237 ± 0.059	
	20	7:07	9:26	2.437 ± 0.313	1.513 ± 0.424		0.971 ± 0.094	0.219 ± 0.055	
	40	7:10	9:28	2.972 ± 0.338	1.409 ± 0.370		1.085 ± 0.149	0.214 ± 0.070	
	90	7:13	9:30	2.041 ± 0.340	1.054 ± 0.372		0.818 ± 0.070	0.127 ± 0.048	
	190	7:15	9:32	2.195 ± 0.410	0.909 ± 0.410		0.812 ± 0.085	0.067 ± 0.055	
15N	0	11:33	15:09	3.037 ± 0.235	2.510 ± 0.248		0.580 ± 0.049	0.154 ± 0.047	
	30	11:41	15:14	2.434 ± 0.272	1.163 ± 0.275		0.262 ± 0.030	0.080 ± 0.035	
	90	11:43	15:15	0.880 ± 0.146	0.608 ± 0.297		0.068 ± 0.008	0.039 ± 0.028	
	190	11:46	15:18	0.853 ± 0.138	0.391 ± 0.207		0.370 ± 0.115	0.067 ± 0.043	
15A	0	16:24	18:58	2.756 ± 0.408	1.849 ± 0.380		0.571 ± 0.073	0.171 ± 0.053	
	20	16:26	19:02	2.040 ± 0.350	1.228 ± 0.327		0.316 ± 0.035	0.126 ± 0.047	
	40	16:28	19:04	1.914 ± 0.236	0.858 ± 0.309		0.203 ± 0.029	0.097 ± 0.044	
	90	16:29	19:06	1.881 ± 0.334	0.536 ± 0.277		0.140 ± 0.020	0.060 ± 0.039	
	190	16:32	19:09	1.322 ± 0.200	0.579 ± 0.276		0.231 ± 0.025	0.073 ± 0.041	