

Article

Changes in Air Quality during the First-Level Response to the Covid-19 Pandemic in Shanghai Municipality, China

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Table S1. Citywide average pollutant concentrations in the full study period: November 25th, 2019, to May 22nd, 2020.

No.	Date	PM _{2.5} Daily Average (µg/m ³)	PM ₁₀ Daily Average (µg/m ³)	O ₃ 8-h Average Daily Maximum (µg/m ³)	SO ₂ Daily Average (µg/m ³)	NO ₂ Daily Average (µg/m ³)	CO Daily Average (mg/m ³)
1	11/25/2019	13	31	59	6	28	0.4
2	11/26/2019	16	28	47	6	42	0.5
3	11/27/2019	18	20	51	6	39	0.5
4	11/28/2019	16	32	57	6	30	0.5
5	11/29/2019	17	32	47	6	43	0.5
6	11/30/2019	15	24	38	6	58	0.5
7	12/1/2019	28	23	41	5	43	0.9
8	12/2/2019	68	62	55	12	62	1.1
9	12/3/2019	88	87	61	15	95	1.1
10	12/4/2019	106	101	44	15	115	1.3
11	12/5/2019	55	55	74	11	63	0.7
12	12/6/2019	14	23	76	6	32	0.4
13	12/7/2019	38	47	84	9	64	0.6
14	12/8/2019	74	77	75	13	97	1
15	12/9/2019	87	81	69	11	101	0.9
16	12/10/2019	73	76	75	12	113	0.9
17	12/11/2019	114	115	88	14	95	1.3
18	12/12/2019	33	44	73	8	59	0.7
19	12/13/2019	33	57	73	9	74	0.8
20	12/14/2019	57	69	76	9	66	0.9
21	12/15/2019	17	31	61	7	43	0.5
22	12/16/2019	34	49	61	7	58	0.7
23	12/17/2019	77	62	16	8	60	1.2
24	12/18/2019	29	31	54	5	34	0.6

25	12/19/2019	28	31	40	6	45	0.6
26	12/20/2019	41	41	52	8	52	0.7
27	12/21/2019	28	24	62	6	52	0.6
28	12/22/2019	18	21	62	6	46	0.6
29	12/23/2019	33	30	69	6	52	0.7
30	12/24/2019	34	36	64	6	43	0.7
31	12/25/2019	27	30	34	6	66	0.7
32	12/26/2019	33	26	41	6	45	1
33	12/27/2019	72	70	49	10	68	1
34	12/28/2019	73	66	78	10	66	0.9
35	12/29/2019	42	46	33	8	66	0.7
36	12/30/2019	77	61	86	10	49	0.8
37	12/31/2019	17	31	56	6	28	0.4
38	1/1/2020	14	24	60	6	43	0.4
39	1/2/2020	24	40	34	7	65	0.6
40	1/3/2020	39	41	30	8	58	0.7
41	1/4/2020	65	50	61	7	52	0.8
42	1/5/2020	40	38	63	7	49	0.6
43	1/6/2020	22	32	69	7	46	0.6
44	1/7/2020	33	31	27	6	52	1.2
45	1/8/2020	42	40	42	6	44	1.1
46	1/9/2020	33	31	47	6	46	0.8
47	1/10/2020	16	19	53	4	35	0.6
48	1/11/2020	31	22	55	6	39	0.7
49	1/12/2020	112	81	59	11	56	1.4
50	1/13/2020	118	85	64	10	67	1.3
51	1/14/2020	119	87	64	9	63	1.3
52	1/15/2020	37	27	66	5	48	0.6
53	1/16/2020	10	10	64	5	35	0.5
54	1/17/2020	42	36	56	6	41	0.7
55	1/18/2020	68	53	55	7	43	0.9
56	1/19/2020	85	65	67	7	59	1
57	1/20/2020	131	106	103	10	76	1.4
58	1/21/2020	97	66	113	6	57	1
59	1/22/2020	78	44	68	5	55	1.2
60	1/23/2020	33	21	66	4	35	0.7
61	1/24/2020	44	52	97	5	25	0.7
62	1/25/2020	14	14	69	4	21	0.5
63	1/26/2020	16	20	77	5	18	0.5
64	1/27/2020	24	22	79	4	19	0.6
65	1/28/2020	83	66	62	6	25	1.1
66	1/29/2020	68	56	102	8	22	0.9
67	1/30/2020	71	59	98	9	22	1.1
68	1/31/2020	49	41	89	9	34	0.9
69	2/1/2020	30	26	81	7	45	0.7
70	2/2/2020	36	24	101	6	31	0.6
71	2/3/2020	61	44	103	6	39	0.8
72	2/4/2020	19	21	91	5	29	0.5

73	2/5/2020	27	31	89	5	29	0.6
74	2/6/2020	17	21	79	4	15	0.5
75	2/7/2020	24	24	81	5	17	0.6
76	2/8/2020	41	37	79	5	21	0.6
77	2/9/2020	78	65	97	6	31	0.9
78	2/10/2020	48	42	104	8	33	0.7
79	2/11/2020	26	21	89	5	24	0.5
80	2/12/2020	49	36	64	6	43	0.9
81	2/13/2020	53	32	69	5	29	0.8
82	2/14/2020	18	10	66	4	31	0.6
83	2/15/2020	13	7	48	4	24	0.6
84	2/16/2020	25	36	79	6	15	0.6
85	2/17/2020	17	27	84	7	18	0.5
86	2/18/2020	18	23	84	8	27	0.6
87	2/19/2020	14	20	106	5	23	0.3
88	2/20/2020	16	22	90	5	38	0.4
89	2/21/2020	29	31	91	6	33	0.5
90	2/22/2020	69	96	115	9	33	0.7
91	2/23/2020	27	53	108	5	24	0.4
92	2/24/2020	38	69	129	8	26	0.6
93	2/25/2020	47	52	86	7	35	0.8
94	2/26/2020	28	35	87	4	19	0.6
95	2/27/2020	29	44	94	5	21	0.6
96	2/28/2020	36	42	76	5	37	0.8
97	2/29/2020	26	16	63	5	37	0.8
98	3/1/2020	16	13	79	4	23	0.6
99	3/2/2020	24	28	96	5	18	0.8
100	3/3/2020	22	33	82	5	29	0.6
101	3/4/2020	29	35	94	5	22	0.6
102	3/5/2020	22	30	99	5	20	0.5
103	3/6/2020	21	31	113	5	22	0.5
104	3/7/2020	60	44	106	6	37	0.7
105	3/8/2020	18	19	106	4	23	0.4
106	3/9/2020	12	8	82	4	34	0.6
107	3/10/2020	30	30	96	5	29	0.7
108	3/11/2020	63	63	112	6	50	0.8
109	3/12/2020	50	48	110	6	30	0.7
110	3/13/2020	23	25	84	4	32	0.6
111	3/14/2020	25	46	88	6	32	0.6
112	3/15/2020	44	73	109	8	58	0.7
113	3/16/2020	15	37	88	6	25	0.5
114	3/17/2020	31	58	131	10	49	0.6
115	3/18/2020	51	75	164	13	57	0.7
116	3/19/2020	34	76	90	9	38	0.5
117	3/20/2020	15	61	116	11	34	0.4
118	3/21/2020	35	64	134	13	44	0.7
119	3/22/2020	38	36	103	6	28	0.6
120	3/23/2020	14	29	94	6	33	0.4

121	3/24/2020	24	37	104	6	39	0.4
122	3/25/2020	16	39	119	8	27	0.5
123	3/26/2020	35	42	50	9	55	0.8
124	3/27/2020	13	32	86	5	19	0.5
125	3/28/2020	8	25	77	5	18	0.4
126	3/29/2020	8	28	73	6	24	0.4
127	3/30/2020	13	23	79	5	32	0.5
128	3/31/2020	16	27	91	5	34	0.5
129	4/1/2020	36	41	125	7	29	0.6
130	4/2/2020	17	45	109	6	29	0.4
131	4/3/2020	27	47	113	7	37	0.5
132	4/4/2020	47	72	153	9	52	0.6
133	4/5/2020	13	40	114	6	18	0.4
134	4/6/2020	15	38	92	6	32	0.4
135	4/7/2020	25	46	93	7	60	0.5
136	4/8/2020	29	52	127	8	64	0.6
137	4/9/2020	34	54	117	7	41	0.5
138	4/10/2020	23	46	114	6	26	0.5
139	4/11/2020	22	29	96	5	25	0.5
140	4/12/2020	52	54	127	8	34	0.8
141	4/13/2020	56	82	141	10	55	0.9
142	4/14/2020	61	76	173	9	54	0.7
143	4/15/2020	54	72	140	9	60	0.7
144	4/16/2020	36	58	164	9	41	0.6
145	4/17/2020	53	104	88	10	81	1
146	4/18/2020	43	72	129	7	44	0.8
147	4/19/2020	32	28	111	5	30	0.8
148	4/20/2020	54	46	159	7	45	0.9
149	4/21/2020	21	29	90	6	32	0.5
150	4/22/2020	24	48	115	7	38	0.5
151	4/23/2020	22	50	118	7	29	0.5
152	4/24/2020	38	71	158	10	49	0.6
153	4/25/2020	41	71	154	9	47	0.6
154	4/26/2020	32	70	118	7	27	0.5
155	4/27/2020	18	37	105	6	31	0.4
156	4/28/2020	20	36	110	6	40	0.4
157	4/29/2020	20	45	151	8	29	0.5
158	4/30/2020	35	66	192	10	40	0.7
159	5/1/2020	39	61	63	9	47	0.7
160	5/2/2020	30	38	145	7	26	0.6
161	5/3/2020	54	74	195	8	49	0.8
162	5/4/2020	58	43	130	7	47	0.7
163	5/5/2020	27	23	107	5	26	0.7
164	5/6/2020	23	27	73	6	30	0.7
165	5/7/2020	25	36	111	6	22	0.6
166	5/8/2020	17	28	75	6	19	0.6
167	5/9/2020	44	41	80	6	41	1
168	5/10/2020	77	65	89	7	48	1

169	5/11/2020	82	67	192	7	42	0.9
170	5/12/2020	24	65	160	9	38	0.6
171	5/13/2020	18	80	122	7	32	0.5
172	5/14/2020	19	80	137	7	22	0.6
173	5/15/2020	33	42	108	7	43	0.8
174	5/16/2020	67	43	83	7	62	0.9
175	5/17/2020	69	48	153	9	38	0.9
176	5/18/2020	36	67	158	9	36	0.8
177	5/19/2020	28	73	150	9	39	0.7
178	5/20/2020	40	70	197	9	35	0.6
179	5/21/2020	21	50	145	7	22	0.6
180	5/22/2020	20	37	133	7	23	0.6

Table S2. Citywide average pollutant concentrations in the corresponding full period in the previous year: November 25th, 2018, to May 22nd, 2019.

No.	Date	PM _{2.5} Daily Average (µg/m ³)	PM ₁₀ Daily Average (µg/m ³)	O ₃ 8 h Average Daily Maximum (µg/m ³)	SO ₂ Daily Average (µg/m ³)	NO ₂ Daily Average (µg/m ³)	CO Daily Average (mg/m ³)
1	11/25/2018	81	73	115	8	79	0.9
2	11/26/2018	54	56	83	7	85	0.8
3	11/27/2018	77	76	81	8	82	1.1
4	11/28/2018	124	110	69	10	98	1.4
5	11/29/2018	106	107	117	9	102	1.3
6	11/30/2018	58	108	95	7	70	0.7
7	12/1/2018	29	66	75	7	59	0.5
8	12/2/2018	28	38	51	6	46	0.5
9	12/3/2018	53	42	20	6	62	0.8
10	12/4/2018	23	26	54	5	35	0.6
11	12/5/2018	14	57	63	5	30	0.4
12	12/6/2018	12	24	62	5	29	0.4
13	12/7/2018	20	30	55	6	29	0.5
14	12/8/2018	25	40	47	7	35	0.6
15	12/9/2018	28	34	35	6	45	0.6
16	12/10/2018	7	14	59	5	29	0.4
17	12/11/2018	16	19	60	5	35	0.5
18	12/12/2018	71	71	57	11	50	1.1
19	12/13/2018	70	78	48	14	71	1
20	12/14/2018	51	67	61	10	58	0.8
21	12/15/2018	13	25	44	6	54	0.4
22	12/16/2018	70	75	51	9	67	1
23	12/17/2018	103	127	60	13	88	1.2
24	12/18/2018	88	131	52	15	106	1.4
25	12/19/2018	54	102	31	19	104	1
26	12/20/2018	26	38	60	8	67	0.6
27	12/21/2018	45	57	19	7	76	0.8
28	12/22/2018	35	26	54	6	48	0.7

29	12/23/2018	43	56	87	7	35	0.8
30	12/24/2018	26	53	79	7	39	0.6
31	12/25/2018	16	34	47	7	49	0.4
32	12/26/2018	12	15	72	5	28	0.5
33	12/27/2018	16	36	67	6	21	0.4
34	12/28/2018	26	46	60	7	27	0.5
35	12/29/2018	31	49	54	9	38	0.7
36	12/30/2018	28	40	44	8	41	0.6
37	12/31/2018	27	29	54	6	37	0.5
38	1/1/2019	28	33	68	7	29	0.5
39	1/2/2019	64	72	68	13	45	0.8
40	1/3/2019	47	53	55	9	58	0.7
41	1/4/2019	18	20	47	6	60	0.6
42	1/5/2019	32	31	42	6	51	0.7
43	1/6/2019	25	29	57	6	44	0.5
44	1/7/2019	27	30	48	6	50	0.6
45	1/8/2019	55	54	79	9	42	0.8
46	1/9/2019	22	25	51	6	44	0.6
47	1/10/2019	16	17	38	5	47	0.5
48	1/11/2019	15	15	31	6	56	0.6
49	1/12/2019	42	41	16	8	52	1.1
50	1/13/2019	78	75	41	8	58	1.1
51	1/14/2019	71	74	77	8	66	0.9
52	1/15/2019	103	97	92	9	50	1.2
53	1/16/2019	30	59	55	8	44	0.6
54	1/17/2019	77	119	40	13	84	1.1
55	1/18/2019	82	100	83	11	74	1
56	1/19/2019	77	94	54	11	79	1.1
57	1/20/2019	90	85	75	11	50	0.9
58	1/21/2019	46	66	55	12	70	0.8
59	1/22/2019	83	103	63	15	86	1.1
60	1/23/2019	94	109	78	16	109	1.2
61	1/24/2019	95	96	89	14	90	1.1
62	1/25/2019	29	38	84	9	54	0.6
63	1/26/2019	14	34	66	6	24	0.4
64	1/27/2019	18	37	80	6	46	0.6
65	1/28/2019	55	60	46	10	65	0.9
66	1/29/2019	40	72	62	7	52	0.7
67	1/30/2019	28	64	50	8	70	0.7
68	1/31/2019	12	24	82	5	22	0.5
69	2/1/2019	60	70	67	6	32	0.8
70	2/2/2019	51	65	88	7	30	0.7
71	2/3/2019	69	68	42	9	38	1.3
72	2/4/2019	76	133	86	8	30	0.9
73	2/5/2019	19	72	80	7	26	0.4
74	2/6/2019	44	54	85	7	31	0.8
75	2/7/2019	24	37	78	5	15	0.6
76	2/8/2019	10	22	72	5	16	0.4

77	2/9/2019	11	20	75	5	14	0.4
78	2/10/2019	15	25	71	6	17	0.5
79	2/11/2019	27	31	70	7	25	0.6
80	2/12/2019	20	25	72	5	31	0.5
81	2/13/2019	23	36	88	5	22	0.6
82	2/14/2019	25	39	88	5	26	0.6
83	2/15/2019	15	15	68	5	33	0.5
84	2/16/2019	39	57	77	6	22	0.7
85	2/17/2019	26	38	88	7	23	0.6
86	2/18/2019	16	15	66	5	40	0.5
87	2/19/2019	31	24	32	6	53	0.9
88	2/20/2019	44	33	61	5	42	0.8
89	2/21/2019	56	55	83	5	36	0.8
90	2/22/2019	46	39	68	5	42	0.8
91	2/23/2019	123	100	85	9	65	1.2
92	2/24/2019	103	84	110	10	74	1.2
93	2/25/2019	76	68	82	7	79	1.2
94	2/26/2019	37	42	96	6	41	0.6
95	2/27/2019	26	39	69	6	48	0.6
96	2/28/2019	31	40	75	7	46	0.6
97	3/1/2019	92	91	113	8	62	0.9
98	3/2/2019	50	45	91	7	51	0.7
99	3/3/2019	75	81	75	9	65	0.9
100	3/4/2019	96	95	109	10	56	1
101	3/5/2019	81	63	96	7	54	0.8
102	3/6/2019	81	76	114	7	48	1
103	3/7/2019	66	71	115	6	31	0.8
104	3/8/2019	20	42	91	6	41	0.5
105	3/9/2019	32	28	45	6	79	0.8
106	3/10/2019	50	49	56	5	54	0.8
107	3/11/2019	71	104	113	9	71	0.9
108	3/12/2019	79	117	114	9	56	0.9
109	3/13/2019	20	69	91	6	39	0.5
110	3/14/2019	19	34	86	5	46	0.6
111	3/15/2019	47	61	106	9	55	0.7
112	3/16/2019	40	76	137	9	55	0.7
113	3/17/2019	80	85	156	13	65	0.9
114	3/18/2019	34	30	98	6	44	0.6
115	3/19/2019	35	38	115	6	51	0.6
116	3/20/2019	31	51	110	7	46	0.8
117	3/21/2019	55	48	93	6	37	0.9
118	3/22/2019	16	34	92	5	23	0.5
119	3/23/2019	28	44	102	8	37	0.7
120	3/24/2019	34	52	122	7	35	0.6
121	3/25/2019	58	55	90	6	65	0.8
122	3/26/2019	61	60	116	9	66	0.9
123	3/27/2019	47	50	91	8	67	0.8
124	3/28/2019	65	54	72	7	76	1

125	3/29/2019	45	58	103	6	50	0.7
126	3/30/2019	57	70	99	8	50	0.8
127	3/31/2019	15	50	104	6	26	0.5
128	4/1/2019	25	58	132	7	43	0.6
129	4/2/2019	30	63	124	7	49	0.7
130	4/3/2019	48	65	93	8	62	0.8
131	4/4/2019	39	39	98	5	37	0.6
132	4/5/2019	67	64	172	9	50	0.9
133	4/6/2019	61	64	151	9	48	0.8
134	4/7/2019	85	94	183	11	57	1
135	4/8/2019	74	66	135	9	54	0.9
136	4/10/2019	19	22	86	5	30	0.7
137	4/11/2019	25	39	107	6	44	0.6
138	4/12/2019	53	58	138	8	62	0.8
139	4/13/2019	26	38	131	6	34	0.5
140	4/14/2019	48	50	117	7	45	0.8
141	4/15/2019	33	56	115	6	43	0.6
142	4/16/2019	19	49	108	6	36	0.5
143	4/17/2019	44	48	130	5	43	0.6
144	4/18/2019	46	64	176	7	43	0.7
145	4/19/2019	42	45	90	6	47	0.6
146	4/20/2019	19	30	89	5	29	0.5
147	4/21/2019	26	32	52	5	39	0.6
148	4/22/2019	19	15	43	4	43	0.6
149	4/23/2019	49	44	87	6	59	1
150	4/24/2019	93	67	58	8	77	1.2
151	4/25/2019	36	36	74	6	48	0.7
152	4/26/2019	25	38	81	4	36	0.6
153	4/27/2019	16	34	118	6	27	0.5
154	4/28/2019	31	33	80	5	46	0.6
155	4/29/2019	37	25	57	9	66	0.9
156	4/30/2019	24	28	74	5	44	0.6
157	5/1/2019	59	84	141	9	55	1
158	5/2/2019	32	97	122	8	58	0.7
159	5/3/2019	30	73	132	7	64	0.6
160	5/4/2019	36	67	150	8	53	0.6
161	5/5/2019	40	51	146	7	27	0.6
162	5/6/2019	22	42	110	6	22	0.4
163	5/7/2019	13	48	119	6	26	0.4
164	5/8/2019	17	45	124	6	29	0.4
165	5/9/2019	36	57	190	9	42	0.6
166	5/10/2019	37	51	163	8	35	0.5
167	5/11/2019	41	61	215	9	41	0.6
168	5/12/2019	35	51	173	7	33	0.6
169	5/13/2019	25	36	109	8	32	0.6
170	5/14/2019	22	27	106	6	25	0.6
171	5/15/2019	20	21	71	6	28	0.6
172	5/16/2019	43	35	53	6	41	0.7

173	5/17/2019	24	27	67	6	39	0.6
174	5/18/2019	45	41	88	12	45	0.9
175	5/19/2019	59	58	84	7	48	0.7
176	5/20/2019	30	67	113	7	36	0.5
177	5/21/2019	32	84	187	9	52	0.5
178	5/22/2019	43	84	220	10	48	0.7

Table S3. Baoshan District average pollutant concentrations: November 25th, 2019, to May 22nd, 2020.

No.	Date	PM _{2.5} Daily Average ($\mu\text{g}/\text{m}^3$)	PM ₁₀ Daily Average ($\mu\text{g}/\text{m}^3$)	O ₃ 8 h Average Daily Maximum ($\mu\text{g}/\text{m}^3$)	SO ₂ Daily Average ($\mu\text{g}/\text{m}^3$)	NO ₂ Daily Average ($\mu\text{g}/\text{m}^3$)	CO Daily Average (mg/m^3)
1	11/25/2019	13	34	59	9	34	0.5
2	11/26/2019	14	28	55	9	41	0.5
3	11/27/2019	17	23	59	8	40	0.5
4	11/28/2019	15	39	57	11	38	0.6
5	11/29/2019	16	31	50	10	39	0.6
6	11/30/2019	12	24	41	8	52	0.4
7	12/1/2019	28	28	42	8	41	0.8
8	12/2/2019	68	72	57	13	59	1.1
9	12/3/2019	89	102	68	16	84	1.1
10	12/4/2019	104	118	46	17	105	1.3
11	12/5/2019	56	65	75	12	52	0.8
12	12/6/2019	12	26	74	8	29	0.4
13	12/7/2019	40	60	82	11	65	0.7
14	12/8/2019	81	96	72	15	104	1.1
15	12/9/2019	85	101	55	14	116	1
16	12/10/2019	74	95	62	13	122	1
17	12/11/2019	112	125	84	14	91	1.2
18	12/12/2019	30	48	75	10	53	0.7
19	12/13/2019	32	69	64	11	82	0.8
20	12/14/2019	56	74	77	11	61	0.8
21	12/15/2019	13	32	55	9	45	0.4
22	12/16/2019	32	58	57	10	70	0.7
23	12/17/2019	71	68	16	10	58	1.1
24	12/18/2019	24	30	56	9	32	0.7
25	12/19/2019	27	34	44	9	44	0.6
26	12/20/2019	45	49	46	10	50	0.8
27	12/21/2019	27	26	61	9	49	0.7
28	12/22/2019	17	23	67	8	40	0.6
29	12/23/2019	36	36	65	9	45	0.8
30	12/24/2019	32	41	61	10	40	0.8
31	12/25/2019	25	38	34	9	67	0.8
32	12/26/2019	30	29	40	6	43	1
33	12/27/2019	74	90	45	10	73	1.2
34	12/28/2019	74	83	67	8	77	1.2
35	12/29/2019	45	52	18	6	71	0.9
36	12/30/2019	78	68	76	8	45	1.2

37	12/31/2019	39	33	53	6	27	0.7
38	1/1/2020	20	33	46	5	53	0.6
39	1/2/2020	26	44	18	5	69	0.7
40	1/3/2020	38	41	31	5	46	0.8
41	1/4/2020	70	59	58	6	46	1
42	1/5/2020	39	44	61	7	56	0.8
43	1/6/2020	25	43	58	7	51	0.8
44	1/7/2020	35	33	18	7	51	1.3
45	1/8/2020	40	42	47	6	41	1.2
46	1/9/2020	31	33	47	7	40	0.9
47	1/10/2020	14	23	51	6	32	0.5
48	1/11/2020	31	28	54	6	34	0.4
49	1/12/2020	120	99	53	11	56	1.1
50	1/13/2020	128	103	48	9	66	1.1
51	1/14/2020	123	93	60	9	55	1
52	1/15/2020	38	28	60	7	37	0.5
53	1/16/2020	10	9	57	6	27	0.4
54	1/17/2020	42	37	54	7	32	0.7
55	1/18/2020	68	58	51	7	36	0.9
56	1/19/2020	83	72	66	7	48	1
57	1/20/2020	128	122	96	9	60	1.3
58	1/21/2020	87	72	97	7	51	0.9
59	1/22/2020	79	52	53	6	34	1
60	1/23/2020	36	25	57	5	22	0.7
61	1/24/2020	47	60	85	5	16	0.7
62	1/25/2020	10	19	63	5	11	0.5
63	1/26/2020	9	22	69	5	10	0.5
64	1/27/2020	18	24	69	5	11	0.7
65	1/28/2020	80	74	54	7	15	1.2
66	1/29/2020	62	59	81	8	12	1
67	1/30/2020	64	61	87	8	13	1.2
68	1/31/2020	46	43	81	8	22	0.9
69	2/1/2020	26	28	54	8	56	0.9
70	2/2/2020	32	26	71	6	42	0.7
71	2/3/2020	53	48	92	7	29	0.7
72	2/4/2020	15	24	80	6	32	0.5
73	2/5/2020	26	34	79	6	28	0.6
74	2/6/2020	25	22	72	5	10	0.5
75	2/7/2020	19	27	75	5	12	0.6
76	2/8/2020	38	40	75	5	16	0.6
77	2/9/2020	76	69	89	6	20	0.9
78	2/10/2020	43	42	88	8	26	0.7
79	2/11/2020	21	22	88	6	19	0.5
80	2/12/2020	50	45	54	7	37	1
81	2/13/2020	48	35	55	7	32	0.8
82	2/14/2020	18	13	50	6	30	0.6
83	2/15/2020	12	12	42	6	22	0.8
84	2/16/2020	51	34	80	8	6	0.8

85	2/17/2020	14	28	83	9	12	0.5
86	2/18/2020	17	26	77	9	29	0.6
87	2/19/2020	12	21	88	7	33	0.4
88	2/20/2020	15	24	70	7	48	0.5
89	2/21/2020	25	31	79	7	39	0.6
90	2/22/2020	66	99	90	10	38	0.8
91	2/23/2020	25	57	82	8	44	0.5
92	2/24/2020	39	75	99	9	36	0.7
93	2/25/2020	47	55	59	10	41	0.8
94	2/26/2020	24	39	75	7	21	0.6
95	2/27/2020	25	45	79	8	27	0.6
96	2/28/2020	31	42	66	7	45	0.7
97	2/29/2020	19	15	60	7	37	0.6
98	3/1/2020	12	14	71	7	24	0.5
99	3/2/2020	23	31	86	7	21	0.7
100	3/3/2020	21	37	78	8	34	0.6
101	3/4/2020	26	36	89	7	22	0.5
102	3/5/2020	22	35	92	8	25	0.6
103	3/6/2020	22	35	104	8	32	0.5
104	3/7/2020	58	47	106	8	40	0.7
105	3/8/2020	17	23	95	7	28	0.5
106	3/9/2020	10	9	73	8	37	0.6
107	3/10/2020	31	34	79	7	33	0.7
108	3/11/2020	65	72	102	8	69	0.9
109	3/12/2020	48	50	104	7	38	0.7
110	3/13/2020	24	27	77	6	41	0.5
111	3/14/2020	25	52	85	7	47	0.5
112	3/15/2020	46	80	104	10	70	0.7
113	3/16/2020	14	41	77	7	46	0.4
114	3/17/2020	28	66	110	10	68	0.5
115	3/18/2020	54	81	150	11	59	0.6
116	3/19/2020	33	81	84	11	47	0.6
117	3/20/2020	17	69	104	10	48	0.5
118	3/21/2020	34	72	122	12	52	0.6
119	3/22/2020	39	39	102	7	26	0.6
120	3/23/2020	14	35	90	8	46	0.5
121	3/24/2020	25	46	93	9	66	0.5
122	3/25/2020	15	48	115	8	33	0.5
123	3/26/2020	42	47	36	10	65	0.8
124	3/27/2020	13	37	82	8	22	0.6
125	3/28/2020	8	26	75	7	22	0.5
126	3/29/2020	7	30	72	7	26	0.5
127	3/30/2020	12	26	77	7	31	0.5
128	3/31/2020	14	28	83	7	37	0.5
129	4/1/2020	38	46	120	8	30	0.7
130	4/2/2020	16	46	103	8	33	0.5
131	4/3/2020	29	54	106	9	42	0.6
132	4/4/2020	49	83	150	10	54	0.6

133	4/5/2020	12	40	113	7	18	0.4
134	4/6/2020	16	45	90	8	46	0.4
135	4/7/2020	29	63	90	11	71	0.7
136	4/8/2020	32	64	102	10	81	0.6
137	4/9/2020	33	60	91	9	62	0.5
138	4/10/2020	22	50	95	7	37	0.4
139	4/11/2020	20	27	98	6	26	0.5
140	4/12/2020	54	60	117	8	35	0.8
141	4/13/2020	60	90	136	10	56	0.9
142	4/14/2020	65	90	146	10	72	0.8
143	4/15/2020	63	93	131	10	86	0.8
144	4/16/2020	40	74	148	10	56	0.6
145	4/17/2020	63	116	72	10	77	0.9
146	4/18/2020	44	69	127	9	42	0.9
147	4/19/2020	32	29	107	6	34	0.8
148	4/20/2020	56	54	167	8	50	1
149	4/21/2020	18	36	88	7	41	0.6
150	4/22/2020	27	56	112	7	49	0.6
151	4/23/2020	21	55	117	8	33	0.6
152	4/24/2020	41	83	157	11	61	0.6
153	4/25/2020	43	85	149	9	51	0.6
154	4/26/2020	28	73	116	8	28	0.5
155	4/27/2020	16	39	108	7	34	0.5
156	4/28/2020	22	43	105	7	52	0.5
157	4/29/2020	25	54	152	8	38	0.4
158	4/30/2020	47	76	199	8	51	0.5
159	5/1/2020	37	63	76	8	54	0.8
160	5/2/2020	30	43	156	7	26	0.5
161	5/3/2020	54	81	184	7	41	0.7
162	5/4/2020	56	42	124	8	38	0.8
163	5/5/2020	25	28	98	6	29	0.6
164	5/6/2020	22	30	71	6	32	0.6
165	5/7/2020	26	45	104	6	32	0.5
166	5/8/2020	17	33	79	6	21	0.4
167	5/9/2020	43	42	80	6	35	0.8
168	5/10/2020	79	72	109	7	42	0.8
169	5/11/2020	80	74	185	7	44	0.8
170	5/12/2020	27	73	156	9	40	0.6
171	5/13/2020	19	87	99	7	49	0.4
172	5/14/2020	20	86	138	6	23	0.4
173	5/15/2020	31	43	93	6	42	0.5
174	5/16/2020	64	44	74	6	54	0.7
175	5/17/2020	65	54	126	6	45	0.6
176	5/18/2020	38	76	139	7	34	0.6
177	5/19/2020	24	76	129	8	45	0.5
178	5/20/2020	39	80	173	8	51	0.5
179	5/21/2020	20	54	129	6	27	0.4
180	5/22/2020	19	41	121	6	32	0.4

Table S4. Chongming District average pollutant concentrations: November 25th, 2019, to May 22nd, 2020.

No.	Date	PM _{2.5} Daily Average ($\mu\text{g}/\text{m}^3$)	PM ₁₀ Daily Average ($\mu\text{g}/\text{m}^3$)	O ₃ 8 h Average Daily Maximum ($\mu\text{g}/\text{m}^3$)	SO ₂ Daily Average ($\mu\text{g}/\text{m}^3$)	NO ₂ Daily Average ($\mu\text{g}/\text{m}^3$)	CO Daily Average (mg/m^3)
1	11/25/2019	11	27	63	4	6	0.4
2	11/26/2019	13	23	72	4	8	0.4
3	11/27/2019	15	17	69	4	7	0.4
4	11/28/2019	12	28	65	4	6	0.4
5	11/29/2019	17	28	64	4	10	0.4
6	11/30/2019	13	20	67	4	9	0.3
7	12/1/2019	24	21	61	5	19	0.7
8	12/2/2019	57	52	80	7	18	0.7
9	12/3/2019	77	77		10	30	0.9
10	12/4/2019	76	80	71	8	37	0.8
11	12/5/2019	55	50		8	16	
12	12/6/2019	11	22	80	4	8	0.4
13	12/7/2019	32	41	93	6	13	0.6
14	12/8/2019	60	60	109	7	22	0.7
15	12/9/2019	77	76	64	10	65	0.9
16	12/10/2019	66	75	75	9	75	0.9
17	12/11/2019	96	111		8	58	1.2
18	12/12/2019	35	46	78	5	18	0.7
19	12/13/2019	22	43	66	6	33	0.5
20	12/14/2019	47	64	83	6	31	0.6
21	12/15/2019	9	23	74	5	11	0.4
22	12/16/2019	26	39	56	6	39	0.4
23	12/17/2019	64	60	27	5	38	0.9
24	12/18/2019	21	24	69	4	10	0.5
25	12/19/2019	24	28		4	11	0.5
26	12/20/2019	45	46		6	15	0.7
27	12/21/2019	22	24	77	5	7	0.5
28	12/22/2019	13	18	80	4	11	0.4
29	12/23/2019	33	31	68	4	11	0.5
30	12/24/2019	26	32	77	4	8	0.5
31	12/25/2019	19	25	66	4	14	0.4
32	12/26/2019	23	20	65	4	20	0.7
33	12/27/2019	55	56	75	6	20	0.7
34	12/28/2019	54	52	74	6	26	0.7
35	12/29/2019	41	44	19	6	52	0.7
36	12/30/2019	65	57	85	5	20	0.8
37	12/31/2019	11	25	64	4	8	0.4
38	1/1/2020	11	20	66	4	10	0.4
39	1/2/2020	14	20	50	4	18	0.3
40	1/3/2020	15	16	59	3	12	0.3
41	1/4/2020	65	58	88	5	13	0.8
42	1/5/2020	32	34	82	5	15	0.5
43	1/6/2020	22	33	58	6	37	0.5
44	1/7/2020	28	27	13	5	40	1.1
45	1/8/2020	28	29	76	5	21	0.8
46	1/9/2020	29	27	64	5	13	0.6
47	1/10/2020	11	18	72	4	7	0.3
48	1/11/2020	28	23	77	4	9	0.4
49	1/12/2020	88	74	88	8	18	0.9
50	1/13/2020	104	89	79	6	19	1.1

51	1/14/2020	103	83	88	6	18	0.9
52	1/15/2020	33	29	82	5	11	0.5
53	1/16/2020	7	10	77	4	7	0.4
54	1/17/2020	35	31	77	4	10	0.5
55	1/18/2020	65	51	78	4	12	0.7
56	1/19/2020	87	76	81	8	25	1.1
57	1/20/2020	119	110	111	7	33	1.2
58	1/21/2020	60	60	111	5	14	0.8
59	1/22/2020	78	59	55	5	23	1
60	1/23/2020	21	22	79	4	11	0.5
61	1/24/2020	39	59	102	5	9	0.7
62	1/25/2020	8	19	74	4	7	0.4
63	1/26/2020	8	24	80	4	6	0.4
64	1/27/2020	17	25	85	4	6	0.5
65	1/28/2020	79	75	61	6	13	0.9
66	1/29/2020	71	69	95	8	13	1
67	1/30/2020	48	51	93	6	7	0.7
68	1/31/2020	31	33	88	5	8	0.6
69	2/1/2020	31	30	96	8	12	0.6
70	2/2/2020	36	28	107	5	12	0.6
71	2/3/2020	45	44	84	5	9	0.7
72	2/4/2020	16	21	78	4	8	0.5
73	2/5/2020	23	30	74	4	7	0.5
74	2/6/2020	13	22	77	4	5	0.4
75	2/7/2020	20	26	82	4	6	0.5
76	2/8/2020	40	43	84	4	9	0.5
77	2/9/2020	73	72	94	5	16	0.8
78	2/10/2020	50	46	99	5	28	0.7
79	2/11/2020	28	25	88	5	22	0.5
80	2/12/2020	45	38	72	5	24	0.9
81	2/13/2020	36	28	70	4	19	0.8
82	2/14/2020	14	10	63	4	18	0.5
83	2/15/2020	6	6	60	4	13	0.6
84	2/16/2020	20	32	90	5	9	0.6
85	2/17/2020	17	28	90	7	11	0.6
86	2/18/2020	15	21	91	6	9	0.5
87	2/19/2020	11	18	89	5	15	0.5
88	2/20/2020	13	19	95	5	11	0.5
89	2/21/2020	25	29	78	6	22	0.6
90	2/22/2020	69	98	112	9	23	1
91	2/23/2020	18	38	91	4	12	0.5
92	2/24/2020	33	64	110	5	24	0.6
93	2/25/2020	37	47	80	5	23	0.7
94	2/26/2020	25	40	90	4	9	0.6
95	2/27/2020	21	38	99	4	9	0.6
96	2/28/2020	26	34	68	4	24	0.6
97	2/29/2020	14	12	83	4	8	0.4
98	3/1/2020	10	14	88	4	7	0.3
99	3/2/2020	21	29	100	4	7	0.5
100	3/3/2020	17	29	95	5	7	0.4
101	3/4/2020	21	33	101	5	7	0.4
102	3/5/2020	18	29	106	5	6	0.4
103	3/6/2020	18	30	111	5	11	0.4
104	3/7/2020	43	35		5	14	0.5
105	3/8/2020	14	20	106	5	10	0.4
106	3/9/2020	6	7	91	4	9	0.4

107	3/10/2020	24	26	97	5	8	0.5
108	3/11/2020	61	67	123	7	22	0.8
109	3/12/2020	44	52	108	6	20	0.6
110	3/13/2020	19	24	94	4	10	0.4
111	3/14/2020	20	41	86	6	17	0.4
112	3/15/2020	47	80	109	9	26	0.7
113	3/16/2020	11	36	94	6	13	0.3
114	3/17/2020	34	62	123	8	38	0.4
115	3/18/2020	58	81	139	10	50	0.6
116	3/19/2020	30	73	88	7	19	0.4
117	3/20/2020	19	60	102	7	27	0.4
118	3/21/2020	37	69	122	8	38	0.5
119	3/22/2020	39	44		6	14	0.4
120	3/23/2020	16	29	105	6	10	0.3
121	3/24/2020	24	35	120	7	13	0.3
122	3/25/2020	14	33	90	7	20	0.3
123	3/26/2020	31	27	40	9	20	0.4
124	3/27/2020	10	32	94	6	7	0.3
125	3/28/2020	7	26	81	6	6	0.2
126	3/29/2020	7	25	83	6	6	0.2
127	3/30/2020	11	23	93	5	6	0.3
128	3/31/2020	13	23	98	5	7	0.3
129	4/1/2020	29	39	133	7	8	0.3
130	4/2/2020	15	39	116	5	7	0.3
131	4/3/2020	24	42	122	5	8	0.3
132	4/4/2020	43	66	158	7	11	0.4
133	4/5/2020	10	37	117	6	5	0.2
134	4/6/2020	13	33	112	5	8	0.3
135	4/7/2020	29	42	105	6	15	0.3
136	4/8/2020	27	48	129	8	45	0.4
137	4/9/2020	22	40	111	6	11	0.3
138	4/10/2020	16	40	116	6	8	0.3
139	4/11/2020	17	24	106	5	9	0.4
140	4/12/2020	49	54	126	9	16	0.7
141	4/13/2020	49	73	144	6	13	0.5
142	4/14/2020	50	68	150	8	27	0.6
143	4/15/2020	53	69	153	9	28	0.6
144	4/16/2020	36	61	131	8	40	0.5
145	4/17/2020	57	84	70	8	40	0.8
146	4/18/2020	40	51	133	5	15	0.7
147	4/19/2020	26	24	116	5	16	0.7
148	4/20/2020	59	48	171	8	23	0.9
149	4/21/2020	13	26	92	6	11	0.4
150	4/22/2020	24	44	115	6	16	0.4
151	4/23/2020	18	46	127	6	12	0.4
152	4/24/2020	34	70		10		0.6
153	4/25/2020	42	74	131	9	36	0.6
154	4/26/2020	21	52	109	6	9	0.4
155	4/27/2020	16	31	100	6	9	0.4
156	4/28/2020	19	28	114	7	23	0.4
157	4/29/2020	19	41	131	8	21	0.4
158	4/30/2020	41	62	191	9	33	0.5
159	5/1/2020	35	52	74	8	38	0.5
160	5/2/2020	32	41	152	7	26	0.4
161	5/3/2020	65	75	198	9	31	0.7
162	5/4/2020	41	28	123	6	10	0.5

163	5/5/2020	19	20	110	6	12	0.4
164	5/6/2020	20	23	82	6	10	0.4
165	5/7/2020	24	34	108	6	10	0.4
166	5/8/2020	19	30	76	6	17	0.4
167	5/9/2020	37	32	86	7	20	0.8
168	5/10/2020	64	54	112	7	16	0.7
169	5/11/2020	87	71	201	9	30	0.8
170	5/12/2020	28	65	172	8	22	0.6
171	5/13/2020	18	67	115	6	14	0.4
172	5/14/2020	19	63	115	6	19	0.4
173	5/15/2020	39	39	106	7	22	0.6
174	5/16/2020	44	29	113	6	15	0.6
175	5/17/2020	45	34	120	7	25	0.5
176	5/18/2020		54		7		
177	5/19/2020	23	58	137	8	20	0.5
178	5/20/2020	41	58	185	7	23	0.5
179	5/21/2020	24	42	152	6	15	0.4
180	5/22/2020	19	30	128	6	16	0.4

Table S5. Fengxian District average pollutant concentrations: November 25th, 2019, to May 22nd, 2020.

No.	Date	PM _{2.5} Daily Average ($\mu\text{g}/\text{m}^3$)	PM ₁₀ Daily Average ($\mu\text{g}/\text{m}^3$)	O ₃ 8 h Average Daily Maximum ($\mu\text{g}/\text{m}^3$)	SO ₂ Daily Average ($\mu\text{g}/\text{m}^3$)	NO ₂ Daily Average ($\mu\text{g}/\text{m}^3$)	CO Daily Average (mg/m^3)
1	11/25/2019	12	32	60	6	26	0.4
2	11/26/2019	15	31	39	8	40	0.4
3	11/27/2019	16	21	49	6	36	0.5
4	11/28/2019	16	34	56	7	28	0.5
5	11/29/2019	17	35	51	7	40	0.4
6	11/30/2019	13	24	45	6	39	0.4
7	12/1/2019	23	18	39	6	34	0.7
8	12/2/2019	63	60	59	10	50	0.9
9	12/3/2019	79	80	74	14	72	1
10	12/4/2019	99	93	63	14	88	1
11	12/5/2019	57	64	74	11	62	0.8
12	12/6/2019	12	26	76	7	29	0.4
13	12/7/2019	36	50	71	10	64	0.6
14	12/8/2019	76	76	82	11	78	0.8
15	12/9/2019	74	66	105	12	54	0.7
16	12/10/2019	56	57	124	10	59	0.7
17	12/11/2019	106	111	83	13	79	1.1
18	12/12/2019	32	45	77	8	47	0.6
19	12/13/2019	25	44	82	8	54	0.6
20	12/14/2019	50	69	85	8	50	0.8
21	12/15/2019	18	32	84	6	26	0.5
22	12/16/2019	24	36	78	6	34	0.5
23	12/17/2019	66	60	23	8	54	1.1
24	12/18/2019	28	30	49	6	34	0.6
25	12/19/2019	32	36	34	6	53	0.7
26	12/20/2019	42	46	57	7	55	0.8
27	12/21/2019	26	23	69	6	38	0.6

28	12/22/2019	17	20	63	6	38	0.7
29	12/23/2019	26	29	75	6	36	0.8
30	12/24/2019	26	30	68	6	32	0.6
31	12/25/2019	22	24	44	6	44	0.6
32	12/26/2019	30	25	46	6	38	0.9
33	12/27/2019	69	66	56	9	51	1
34	12/28/2019	65	58	92	9	45	0.8
35	12/29/2019	34	42	54	8	46	0.7
36	12/30/2019	70	63	81	9	49	1
37	12/31/2019	18	34	57	7	25	0.4
38	1/1/2020	13	23	78	7	34	0.4
39	1/2/2020	19	28	62	7	39	0.5
40	1/3/2020	49	54	27	8	51	0.8
41	1/4/2020	48	36	64	6	32	0.7
42	1/5/2020	36	34	74	6	28	0.6
43	1/6/2020	16	24	88	8	29	0.6
44	1/7/2020	29	26	40	6	38	1.1
45	1/8/2020	42	40	38	6	38	0.9
46	1/9/2020	32	31	40	8	40	0.6
47	1/10/2020	14	14	58	6	24	0.4
48	1/11/2020	25	18	64	6	34	0.6
49	1/12/2020	103	76	71	10	46	1.1
50	1/13/2020	108	84	90	9	47	1.1
51	1/14/2020	120	92	65	10	56	1.2
52	1/15/2020	39	28	67	7	39	0.6
53	1/16/2020	9	7	70	6	23	0.4
54	1/17/2020	38	31	51	7	36	0.7
55	1/18/2020	67	49	51	8	34	0.8
56	1/19/2020	74	55	72	8	36	0.9
57	1/20/2020	108	89	116	11	47	1.1
58	1/21/2020	102	72	121	8	38	1
59	1/22/2020	69	42	87	7	37	1.1
60	1/23/2020	34	20	72	6	26	0.8
61	1/24/2020	39	49	102	6	15	0.7
62	1/25/2020	12	12	74	5	13	0.5
63	1/26/2020	15	18	81	5	12	0.6
64	1/27/2020	20	19	82	5	13	0.6
65	1/28/2020	70	58	69	7	16	0.9
66	1/29/2020	64	54	104	8	14	0.7
67	1/30/2020	78	66	102	10	16	1
68	1/31/2020	60	48	98	10	20	0.9
69	2/1/2020	24	19	102	7	16	0.5
70	2/2/2020	33	23	108	7	16	0.5
71	2/3/2020	58	42	119	7	21	0.6
72	2/4/2020	19	23	94	6	17	0.4
73	2/5/2020	25	29	96	6	16	0.4
74	2/6/2020	17	21	78	6	8	0.4
75	2/7/2020	20	22	88	6	10	0.5

76	2/8/2020	33	31	85	6	14	0.6
77	2/9/2020	68	58	100	7	17	0.8
78	2/10/2020	44	39	116	10	16	0.6
79	2/11/2020	24	20	98	6	13	0.6
80	2/12/2020	36	26	72	6	18	0.7
81	2/13/2020	50	31	77	7	25	0.8
82	2/14/2020	14	10	74	5	17	0.6
83	2/15/2020	8	5	44	4	16	0.7
84	2/16/2020	24	33	85	7	11	0.6
85	2/17/2020	16	24	92	8	10	0.4
86	2/18/2020	22	23	86	8	21	0.6
87	2/19/2020	15	17	102	6	16	0.4
88	2/20/2020	16	18	94	6	20	0.4
89	2/21/2020	23	25	92	6	20	0.5
90	2/22/2020	63	86	124	8	22	0.7
91	2/23/2020	26	46	102	6	17	0.5
92	2/24/2020	36	66	125	7	17	0.7
93	2/25/2020	42	53	110	7	24	0.8
94	2/26/2020	24	28	81	5	15	0.6
95	2/27/2020	27	43	98	5	14	0.6
96	2/28/2020	31	40	82	6	23	0.7
97	2/29/2020	30	18	51	6	34	0.9
98	3/1/2020	20	14	73	5	21	0.6
99	3/2/2020	21	25	96	6	13	0.6
100	3/3/2020	19	28	81	6	19	0.3
101	3/4/2020	29	34	94	6	18	0.4
102	3/5/2020	21	27	102	6	15	0.3
103	3/6/2020	18	27	112	6	13	0.3
104	3/7/2020	54	42	89	7	25	0.6
105	3/8/2020	20	18	105	6	17	0.4
106	3/9/2020	12	8		5	21	0.5
107	3/10/2020	27	26	94	6	21	0.5
108	3/11/2020	61	53	130	8	30	0.6
109	3/12/2020	40	45	100	6	20	0.5
110	3/13/2020	22	25	85	5	19	0.5
111	3/14/2020	24	42	91	7	22	0.4
112	3/15/2020	42	64	115	10	32	0.5
113	3/16/2020	16	35	95	7	16	0.3
114	3/17/2020	33	53	133	9	33	0.5
115	3/18/2020	51	65	159	9	36	0.6
116	3/19/2020	37	77	94	9	29	0.5
117	3/20/2020	14	56	107	7	24	0.3
118	3/21/2020	31	55	132	9	29	0.6
119	3/22/2020	41	36	100	6	21	0.6
120	3/23/2020	17	27	99	6	19	0.4
121	3/24/2020	28	36	120	7	28	0.4
122	3/25/2020	18	34	113	6	16	0.5
123	3/26/2020	32	36	70	6	32	0.7

124	3/27/2020	17	32	81	5	18	0.5
125	3/28/2020	10	22	75	5	16	0.3
126	3/29/2020	10	27	66	5	19	0.3
127	3/30/2020	14	18	78	5	18	0.4
128	3/31/2020	19	24	95	5	22	0.4
129	4/1/2020	42	40	116	6	27	0.5
130	4/2/2020	22	44	110	6	23	0.4
131	4/3/2020	28	44	112	6	21	0.4
132	4/4/2020	51	71	142	8	38	0.6
133	4/5/2020	14	40	111	6	14	0.3
134	4/6/2020	17	34	93	6	20	0.4
135	4/7/2020	24	35	86	6	37	0.4
136	4/8/2020	30	40	146	8	37	0.4
137	4/9/2020	39	52	150	7	32	0.5
138	4/10/2020	23	38	129	5	15	0.4
139	4/11/2020	21	26	92	5	19	0.5
140	4/12/2020	50	49	130	7	22	0.6
141	4/13/2020	57	66	146	7	36	0.7
142	4/14/2020	58	68	178	8	33	0.6
143	4/15/2020	50	60	156	9	36	0.6
144	4/16/2020	34	52	168	8	27	0.6
145	4/17/2020	48	82	104	9	59	0.8
146	4/18/2020	42	68	132	7	35	0.7
147	4/19/2020	29	28	114	6	18	0.7
148	4/20/2020	44	35	174	7	26	0.8
149	4/21/2020	22	26	98	6	23	0.4
150	4/22/2020	18	37	133	7	26	0.4
151	4/23/2020	20	42	124	7	19	0.4
152	4/24/2020	38	63	162	11	30	0.5
153	4/25/2020	38	62	179	10	26	0.5
154	4/26/2020	36	68	131	7	19	0.6
155	4/27/2020	19	34	109	6	17	0.4
156	4/28/2020	16	24	116	7	25	0.3
157	4/29/2020	16	34	144	8	16	0.4
158	4/30/2020	30	52	151	8	23	0.5
159	5/1/2020	32	50	68	8	26	0.6
160	5/2/2020	24	30	131	7	14	0.5
161	5/3/2020	44	60	194	8	20	0.7
162	5/4/2020	52	50	140	7	26	0.6
163	5/5/2020	25	21	113	6	13	0.6
164	5/6/2020	24	25	77	6	20	0.6
165	5/7/2020	27	32	118	6	12	0.5
166	5/8/2020	16	24	77	5	11	0.5
167	5/9/2020	39	34	80	5	24	0.9
168	5/10/2020	58	41	92	5	23	0.8
169	5/11/2020	90	64	196	7	26	0.9
170	5/12/2020	25	54	154	7	31	0.5
171	5/13/2020	17	70	126	5	22	0.4

172	5/14/2020	17	66	126	4	13	0.4
173	5/15/2020	30	38	141	6	19	0.5
174	5/16/2020	41	29	107	4	21	0.6
175	5/17/2020	65	40	124	6	29	0.6
176	5/18/2020	34	63	186	6	26	0.5
177	5/19/2020	28	68	170	6	32	0.5
178	5/20/2020	30	61	198	6	21	0.5
179	5/21/2020	19	42	144	5	13	0.5
180	5/22/2020	15	28	132	5	12	0.4

Table S6. Jiading District average pollutant concentrations: November 25th, 2019, to May 22nd, 2020.

No.	Date	PM _{2.5} Daily Average ($\mu\text{g}/\text{m}^3$)	PM ₁₀ Daily Average ($\mu\text{g}/\text{m}^3$)	O ₃ 8 h Average Daily Maximum ($\mu\text{g}/\text{m}^3$)	SO ₂ Daily Average ($\mu\text{g}/\text{m}^3$)	NO ₂ Daily Average ($\mu\text{g}/\text{m}^3$)	CO Daily Average (mg/m^3)
1	11/25/2019	11	27	55	6	18	0.5
2	11/26/2019	15	26	48	6	29	0.6
3	11/27/2019	18	19	49	5	25	0.6
4	11/28/2019	14	28	56	6	19	0.5
5	11/29/2019	18	30	44	6	32	0.6
6	11/30/2019	17	28	29	6	45	0.8
7	12/1/2019	26	23	33	6	29	1
8	12/2/2019	62	58	51	11	42	1.3
9	12/3/2019	88	87	59	13	68	1.4
10	12/4/2019	106	101	42	15	80	1.6
11	12/5/2019	60	57	70	11	45	1
12	12/6/2019	12	22	72	7	22	0.6
13	12/7/2019	46	50	74	9	49	0.8
14	12/8/2019	79	80	80	13	72	1.2
15	12/9/2019	89	84	54	11	89	1.2
16	12/10/2019	76	80	54	12	90	1.1
17	12/11/2019	106	108	77	12	65	1.4
18	12/12/2019	35	46	62	8	46	0.9
19	12/13/2019	32	55	74	8	67	0.8
20	12/14/2019	56	65	73	8	54	0.9
21	12/15/2019	15	29	52	6	39	0.7
22	12/16/2019	31	43	65	6	54	0.8
23	12/17/2019	68	60	12	7	50	1.5
24	12/18/2019	26	25	52	6	25	0.8
25	12/19/2019	39	34	35	6	35	0.8
26	12/20/2019	48	45	35	8	48	1.1
27	12/21/2019	29	24	51	6	43	0.9
28	12/22/2019	19	23	64	6	29	0.8
29	12/23/2019	34	32	62	6	32	0.8
30	12/24/2019	30	34	59	6	31	0.8
31	12/25/2019	25	32	31	6	54	0.9
32	12/26/2019	32	28	40	6	32	1.2
33	12/27/2019	72	71	50	10	53	1.2

34	12/28/2019	72	66	72	10	58	1.2
35	12/29/2019	43	42	20	8	54	0.9
36	12/30/2019	75	59	83	8	35	1.1
37	12/31/2019	14	26	56	6	18	0.5
38	1/1/2020	18	30	46	6	40	0.6
39	1/2/2020	26	38	17	7	55	0.7
40	1/3/2020	38	36	28	7	40	0.8
41	1/4/2020	67	55	57	6	33	1
42	1/5/2020	38	36	59	6	40	0.8
43	1/6/2020	25	34	58	7	44	0.8
44	1/7/2020	35	32	11	6	42	1.4
45	1/8/2020	39	38	35	6	33	1.2
46	1/9/2020	35	29	42	6	31	0.8
47	1/10/2020	15	18	44	5	28	0.6
48	1/11/2020	33	25	50	5	26	0.7
49	1/12/2020	115	82	51	10	42	1.3
50	1/13/2020	123	89	52	9	48	1.4
51	1/14/2020	127	87	54	9	44	1.4
52	1/15/2020	37	25	60	7	29	0.8
53	1/16/2020	8	8	60	6	18	0.5
54	1/17/2020	39	32	50	6	26	0.7
55	1/18/2020	67	49	47	8	28	1
56	1/19/2020	80	62	66	8	43	1.1
57	1/20/2020	122	104	103	10	50	1.4
58	1/21/2020	93	67	109	8	42	1.1
59	1/22/2020	78	48	48	6	34	1.2
60	1/23/2020	28	21	67	5	16	0.8
61	1/24/2020	42	53	97	6	10	0.9
62	1/25/2020	12	16	73	5	7	0.5
63	1/26/2020	10	17	76	5	7	0.6
64	1/27/2020	22	25	81	5	8	0.7
65	1/28/2020	78	69	60	7	12	1.1
66	1/29/2020	62	56	100	9	11	1.1
67	1/30/2020	65	59	98	9	13	1.2
68	1/31/2020	53	46	90	9	22	1.1
69	2/1/2020	29	26	79	9	38	0.9
70	2/2/2020	30	25	95	7	31	0.7
71	2/3/2020	60	45	101	7	23	0.9
72	2/4/2020	20	23	88	7	25	0.7
73	2/5/2020	25	29	89	6	22	0.7
74	2/6/2020	14	21	75	6	10	0.6
75	2/7/2020	20	23	80	6	9	0.7
76	2/8/2020	38	37	80	6	11	0.7
77	2/9/2020	76	68	95	7	20	1
78	2/10/2020	44	38	99	8	23	0.8
79	2/11/2020	24	19	88	6	17	0.8
80	2/12/2020	43	34	73	6	28	1.1
81	2/13/2020	48	30	64	6	24	1

82	2/14/2020	20	12	60	5	24	0.8
83	2/15/2020	14	11	45	5	19	1
84	2/16/2020	23	34	77	7	9	0.8
85	2/17/2020	16	25	80	8	15	0.8
86	2/18/2020	20	24	81	8	26	0.7
87	2/19/2020	18	20	97	7	22	0.6
88	2/20/2020	18	20	76	6	32	0.6
89	2/21/2020	26	27	78	6	26	0.6
90	2/22/2020	64	86	102	9	29	0.7
91	2/23/2020	33	57	106	8	30	0.4
92	2/24/2020	40	64	116	8	27	0.6
93	2/25/2020	48	53	69	8	32	0.7
94	2/26/2020	24	33	83	5	13	0.5
95	2/27/2020	27	41	82	6	21	0.7
96	2/28/2020	30	38	72	6	35	0.8
97	2/29/2020	22	16	62	5	26	0.6
98	3/1/2020	13	13	72	5	16	0.5
99	3/2/2020	25	29	86	6	17	0.8
100	3/3/2020	23	34	79	7	30	0.7
101	3/4/2020	27	33	90	7	20	0.7
102	3/5/2020	24	30	96	8	24	0.6
103	3/6/2020	22	31	112	8	24	0.6
104	3/7/2020	64	49	102	7	38	0.8
105	3/8/2020	20	19	101	6	22	0.5
106	3/9/2020	10	8	77	5	28	0.5
107	3/10/2020	32	32	86	6	28	0.7
108	3/11/2020	65	63	108	8	50	0.9
109	3/12/2020	48	44	105	8	28	0.7
110	3/13/2020	27	26	76	6	26	0.6
111	3/14/2020	27	44	82	7	35	0.6
112	3/15/2020	45	66	102	10	48	0.8
113	3/16/2020	16	33	78	8	30	0.6
114	3/17/2020	28	49	114	10	51	0.6
115	3/18/2020	57	68	146	10	61	0.8
116	3/19/2020	34	61	86	8	44	0.6
117	3/20/2020	19	60	102	9	46	0.6
118	3/21/2020	35	67	132	10	47	0.7
119	3/22/2020	42	40	101	7	26	0.8
120	3/23/2020	15	34	80	8	42	0.7
121	3/24/2020	25	41	100	7	48	0.6
122	3/25/2020	18	39	117	9	28	0.5
123	3/26/2020	40	40	36	7	53	0.7
124	3/27/2020	12	32	80	6	16	0.5
125	3/28/2020	8	25	70	6	19	0.5
126	3/29/2020	8	28	63	6	24	0.5
127	3/30/2020	12	22	74	6	28	0.6
128	3/31/2020	17	28	73	6	36	0.6
129	4/1/2020	41	44	117	7	27	0.6

130	4/2/2020	18	45	92	7	37	0.6
131	4/3/2020	32	53	108	8	42	0.7
132	4/4/2020	53	76	148	10	46	0.8
133	4/5/2020	12	37	108	8	20	0.6
134	4/6/2020	19	46	78	7	46	0.6
135	4/7/2020	30	53	90	10	58	0.8
136	4/8/2020	32	51	113	9	61	0.6
137	4/9/2020	39	61	118	8	48	0.6
138	4/10/2020	25	46	104	6	30	0.5
139	4/11/2020	20	24	89	6	23	0.6
140	4/12/2020	51	55	116	8	32	0.8
141	4/13/2020	56	79	129	10	48	1
142	4/14/2020	68	80	161	9	61	0.9
143	4/15/2020	54	74	129	10	66	0.8
144	4/16/2020	36	61	150	8	45	0.7
145	4/17/2020	62	96	64	9	64	1
146	4/18/2020	46	64	111	8	40	1
147	4/19/2020	32	26	104	6	27	0.8
148	4/20/2020	57	51	165	8	41	1
149	4/21/2020	19	29	79	6	36	0.6
150	4/22/2020	29	48	124	8	43	0.6
151	4/23/2020	23	46	112	7	28	0.6
152	4/24/2020	41	69	148	10	64	0.7
153	4/25/2020	44	69	144	9	55	0.7
154	4/26/2020	31	66	106	7	29	0.7
155	4/27/2020	18	36	100	6	30	0.6
156	4/28/2020	23	39	109	7	42	0.5
157	4/29/2020	23	47	154	8	30	0.5
158	4/30/2020	39	62	196	8	39	0.5
159	5/1/2020	40	61	84	6	41	0.5
160	5/2/2020	33	42	158	5	20	0.4
161	5/3/2020	53	76	174	6	38	0.6
162	5/4/2020	66	44	122	6	35	0.7
163	5/5/2020	29	26	95	4	22	0.4
164	5/6/2020	27	31	67	4	26	0.4
165	5/7/2020	27	38	112	5	24	0.4
166	5/8/2020	16	29	77	4	20	0.3
167	5/9/2020	42	36	94	5	28	0.7
168	5/10/2020	75	66	117	6	36	0.8
169	5/11/2020	80	62	178	6	38	0.7
170	5/12/2020	31	65	145	8	40	0.6
171	5/13/2020	23	82	123	6	40	0.5
172	5/14/2020	22	75	141	7	22	0.4
173	5/15/2020	26	34	88	5	37	0.5
174	5/16/2020	73	53	98	6	47	0.8
175	5/17/2020	69	51	160	6	38	0.6
176	5/18/2020	37	55	144	6	36	0.5
177	5/19/2020	25	68	138	7	43	0.4

178	5/20/2020	38	70	187	8	43	0.5
179	5/21/2020	19	46	133	6	23	0.3
180	5/22/2020	19	36	139	6	28	0.3

Table S7. Jinshan District average pollutant concentrations: November 25th, 2019, to May 22nd, 2020.

No.	Date	PM _{2.5} Daily Average (µg/m ³)	PM ₁₀ Daily Average (µg/m ³)	O ₃ 8 h Average Daily Maximum (µg/m ³)	SO ₂ Daily Average (µg/m ³)	NO ₂ Daily Average (µg/m ³)	CO Daily Average (mg/m ³)
1	11/25/2019	12	28	56	6	21	0.4
2	11/26/2019	17	38	25	6	44	0.6
3	11/27/2019	19	22	37	6	36	0.6
4	11/28/2019	16	30	57	6	23	0.5
5	11/29/2019	18	40	37	6	42	0.5
6	11/30/2019	20	36	25	6	52	0.5
7	12/1/2019	26	24	33	6	32	0.8
8	12/2/2019	66	66	63	8	40	0.9
9	12/3/2019	88	96	92	10	65	1
10	12/4/2019	106	110	54	11	80	1.1
11	12/5/2019	65	76	52	10	71	0.9
12	12/6/2019	14	27	68	6	35	0.5
13	12/7/2019	39	58	71	8	60	0.7
14	12/8/2019	83	92	78	10	74	0.9
15	12/9/2019	85	86	88	10	64	0.7
16	12/10/2019	70	78	99	10	68	0.7
17	12/11/2019	115	127	87	11	82	1.1
18	12/12/2019	40	58	72	8	52	0.8
19	12/13/2019	36	57	88	8	54	0.6
20	12/14/2019	70	91	68	8	65	0.8
21	12/15/2019	24	35		6	31	0.5
22	12/16/2019	33	45	82	7	43	0.6
23	12/17/2019	76	68	20	7	53	1.1
24	12/18/2019	32	33	40	5	36	0.7
25	12/19/2019	31	34	35	6	42	0.7
26	12/20/2019	45	49	35	7	57	0.8
27	12/21/2019	33	29	52	6	50	0.7
28	12/22/2019	19	20	50	5	45	0.9
29	12/23/2019	32	37	50	6	46	0.9
30	12/24/2019	28	32	58	6	42	0.8
31	12/25/2019	28	33	37	6	50	0.8
32	12/26/2019	31	27	46	6	36	1
33	12/27/2019	71	68	65	8	47	1.1
34	12/28/2019	70	63	83	9	51	1
35	12/29/2019	47	50	41	8	54	0.8
36	12/30/2019	74	66	76	7	48	1.1
37	12/31/2019	20	38	50	5	29	0.6
38	1/1/2020	18	29	67	5	43	0.6
39	1/2/2020	32	37	40	6	48	0.6

40	1/3/2020	59	60	5	6	56	0.9
41	1/4/2020	49	41	33	4	49	0.7
42	1/5/2020	38	37	72	4	33	0.5
43	1/6/2020	20	30	77	5	32	0.5
44	1/7/2020	34	34	32	4	40	1.1
45	1/8/2020	50	46	40	4	37	1
46	1/9/2020	41	40	26	6	54	0.7
47	1/10/2020	17	16	41	4	39	0.4
48	1/11/2020	29	22	50	4	34	0.5
49	1/12/2020	97	76	71	7	46	1
50	1/13/2020	102	88	75	7	56	1.2
51	1/14/2020	132	111	59	8	63	1.3
52	1/15/2020	48	34	55	6	50	0.7
53	1/16/2020	10	7	62	5	31	0.3
54	1/17/2020	42	36	50	5	33	0.6
55	1/18/2020	62	47	62	5	32	0.7
56	1/19/2020	68	57	74	6	34	0.8
57	1/20/2020	94	92	107	8	46	1
58	1/21/2020	110	84	123	6	38	1.1
59	1/22/2020	75	48	69	5	30	1
60	1/23/2020	37	22	62	4	25	0.7
61	1/24/2020	42	50	92	5	18	0.6
62	1/25/2020	18	19	71	4	14	0.4
63	1/26/2020	13	16	76	4	14	0.5
64	1/27/2020	21	22	78	4	12	0.6
65	1/28/2020	64	58	64	6	14	0.9
66	1/29/2020	64	59	99	6	14	0.8
67	1/30/2020	82	72	100	7	16	1.1
68	1/31/2020	73	64	110	7	18	1
69	2/1/2020	29	26	99	7	20	0.6
70	2/2/2020	30	24	103	6	18	0.6
71	2/3/2020	62	47	113	6	20	0.7
72	2/4/2020	22	26	92	6	19	0.4
73	2/5/2020	27	30	93	6	19	0.4
74	2/6/2020	16	22	74	5	12	0.3
75	2/7/2020	19	22	78	5	14	0.4
76	2/8/2020	40	34	80	6	18	0.5
77	2/9/2020	68	58	92	6	20	0.6
78	2/10/2020	49	42	106	13	19	0.5
79	2/11/2020	27	25	93	8	22	0.4
80	2/12/2020	36	30	69	6	20	0.6
81	2/13/2020	44	33	72	8	24	0.7
82	2/14/2020	15	14	67	5	22	0.5
83	2/15/2020	8	8	44	5	18	0.6
84	2/16/2020	21	38	82	6	12	0.4
85	2/17/2020	15	29	90	7	12	0.4
86	2/18/2020	23	26	89	8	20	0.5
87	2/19/2020	21	24	109	6	20	0.4

88	2/20/2020	16	20	97	6	22	0.3
89	2/21/2020	25	29	88	6	21	0.4
90	2/22/2020	58	90	116	7	22	0.6
91	2/23/2020	37	65	110	7	20	0.4
92	2/24/2020	48	78	127	8	24	0.6
93	2/25/2020	51	58	109	6	28	0.6
94	2/26/2020	27	33	70	5	19	0.6
95	2/27/2020	32	50	96	5	18	0.5
96	2/28/2020	34	42	81	6	23	0.6
97	2/29/2020	28	16	50	5	28	0.7
98	3/1/2020	22	14	68	5	22	0.5
99	3/2/2020	25	30	87	5	17	0.6
100	3/3/2020	21	34	81	5	21	0.4
101	3/4/2020	32	39	87	6	26	0.5
102	3/5/2020	22	31	104	6	22	0.4
103	3/6/2020	21	32	113	6	21	0.4
104	3/7/2020	56	46	82	6	29	0.6
105	3/8/2020	21	21	104	5	18	0.4
106	3/9/2020	11	10	82	5	22	0.5
107	3/10/2020	26	28	91	7	21	0.5
108	3/11/2020	70	64	122	9	34	0.7
109	3/12/2020	41	45	98	8	25	0.6
110	3/13/2020	28	29	71	7	26	0.5
111	3/14/2020	26	50	87	7	25	0.5
112	3/15/2020	40	74	113	10	38	0.5
113	3/16/2020	15	39	90	8	23	0.4
114	3/17/2020	31	60	133	10	35	0.5
115	3/18/2020	56	79	156	12	44	0.7
116	3/19/2020	41	81	96	10	39	0.6
117	3/20/2020	15	56	108	12	28	0.5
118	3/21/2020	35	61	137	10	31	0.7
119	3/22/2020	48	43	96	8	27	0.8
120	3/23/2020		34	94	9	26	0.5
121	3/24/2020	23	35	115	8	26	0.5
122	3/25/2020	23	40	117	12	18	0.6
123	3/26/2020	36	39	64	8	31	0.7
124	3/27/2020	15	31	74	7	17	0.5
125	3/28/2020	10	21	72	7	21	0.5
126	3/29/2020	14	30	53	7	31	0.4
127	3/30/2020	14	16	66	6	28	0.5
128	3/31/2020	19	28	84	7	33	0.4
129	4/1/2020	48	45	115	8	31	0.6
130	4/2/2020	28	48	108	8	30	0.4
131	4/3/2020	28	49	106	8	30	0.5
132	4/4/2020	54	72	146	10	35	0.6
133	4/5/2020	14	42	112	8	20	0.4
134	4/6/2020	16	37	94	7	26	0.4
135	4/7/2020	28	37	121	10	41	0.5

136	4/8/2020	30	44	148	10	35	0.5
137	4/9/2020	42	56	148	8	28	0.5
138	4/10/2020	26	41	132	7	18	0.5
139	4/11/2020	24	26	90	6	24	0.6
140	4/12/2020	48	52	130	8	20	0.7
141	4/13/2020	58	84	158	9	36	0.7
142	4/14/2020	62	78	191	10	34	0.7
143	4/15/2020	48	62	145	10	37	0.6
144	4/16/2020	39	58	168	10	32	0.6
145	4/17/2020	54	84	82	9	56	0.8
146	4/18/2020	44	74	126	8	40	0.7
147	4/19/2020	31	34	118	6	18	0.8
148	4/20/2020	42	38	174	8	26	0.8
149	4/21/2020	24	30	99	6	30	0.6
150	4/22/2020	23	39	142	8	31	0.5
151	4/23/2020	25	46	122	8	26	0.5
152	4/24/2020	38	64	156	10	36	0.6
153	4/25/2020	42	70	166	10	37	0.6
154	4/26/2020	44	74	141	9	30	0.7
155	4/27/2020	24	40	109	6	27	0.5
156	4/28/2020	17	29	122	8	24	0.4
157	4/29/2020	20	38	155	10	20	0.5
158	4/30/2020	37	58	172	11	28	0.5
159	5/1/2020	42	58	62	8	34	0.6
160	5/2/2020	31	38	139	8	17	0.5
161	5/3/2020	49	66	185	9	26	0.8
162	5/4/2020	59	66	149	8	37	0.7
163	5/5/2020	28	24	111	6	17	0.6
164	5/6/2020	30	31	69	6	22	0.6
165	5/7/2020	25	32	114	5	12	0.5
166	5/8/2020	15	24	80	6	15	0.5
167	5/9/2020	41	37	100	5	21	0.8
168	5/10/2020	57	45	112	5	23	0.8
169	5/11/2020	76	63	188	6	24	0.9
170	5/12/2020	27	56	148	7	27	0.5
171	5/13/2020	21	78	144	5	24	0.5
172	5/14/2020	24	62	140	6	18	0.6
173	5/15/2020	27	35	140	4	20	0.6
174	5/16/2020	54	38	139	4	27	0.7
175	5/17/2020	64	41	125	6	27	0.7
176	5/18/2020	36	64	162	6	25	0.6
177	5/19/2020	28	67	146	8	36	0.5
178	5/20/2020	37	60	192	7	26	0.6
179	5/21/2020	20	37	134	6	16	0.5
180	5/22/2020	18	29	146	6	16	0.5

Table 8. Pudong New District average pollutant concentrations: November 25th, 2019, to May 22nd, 2020.

No.	Date	PM _{2.5} Daily Average (µg/m ³)	PM ₁₀ Daily Average (µg/m ³)	O ₃ 8 h Average Daily Maximum (µg/m ³)	SO ₂ Daily Average (µg/m ³)	NO ₂ Daily Average (µg/m ³)	CO Daily Average (mg/m ³)
1	11/25/2019	12	26	60	4	19	0.4
2	11/26/2019	14	25	53	5	32	0.4
3	11/27/2019	15	19	56	5	30	0.5
4	11/28/2019	14	30	61	4	21	0.4
5	11/29/2019	14	29	54	5	33	0.5
6	11/30/2019	12	22	52	5	39	0.5
7	12/1/2019	26	23	48	5	36	0.9
8	12/2/2019	64	61	59	10	52	1.1
9	12/3/2019	82	89	56	13	85	1
10	12/4/2019	101	100	44	13	102	1.2
11	12/5/2019	51	51	76	9	54	0.6
12	12/6/2019	11	24	77	5	26	0.3
13	12/7/2019	37	46	89	7	56	0.5
14	12/8/2019	72	74	71	11	80	0.9
15	12/9/2019	87	80	83	9	78	0.8
16	12/10/2019	69	76	94	10	89	0.9
17	12/11/2019	114	113	89	12	82	1.3
18	12/12/2019	32	45	77	7	55	0.7
19	12/13/2019	29	55	77	7	58	0.6
20	12/14/2019	52	65	80	7	54	0.8
21	12/15/2019	15	28	69	5	34	0.5
22	12/16/2019	30	45	65	5	47	0.6
23	12/17/2019	73	59	18	6	52	1.1
24	12/18/2019	26	26	57	4	28	0.6
25	12/19/2019	24	27	45	5	38	0.5
26	12/20/2019	38	38	62	6	42	0.7
27	12/21/2019	26	24	73	4	37	0.6
28	12/22/2019	16	20	67	4	39	0.6
29	12/23/2019	28	27	74	5	43	0.7
30	12/24/2019	29	32	70	4	29	0.6
31	12/25/2019	25	28	41	5	56	0.6
32	12/26/2019	30	23	43	4	40	0.9
33	12/27/2019	70	70	46	8	60	1
34	12/28/2019	69	62	78	8	52	0.9
35	12/29/2019	39	44	39	6	54	0.7
36	12/30/2019	73	58	88	7	40	0.8
37	12/31/2019	15	30	57	4	24	0.4
38	1/1/2020	13	24	64	5	35	0.3
39	1/2/2020	22	41	44	6	51	0.5
40	1/3/2020	35	40	40	7	51	0.6
41	1/4/2020	57	44	67	5	40	0.7
42	1/5/2020	35	35	71	6	36	0.6
43	1/6/2020	19	27	81	6	31	0.6
44	1/7/2020	30	29	40	5	41	1.1

45	1/8/2020	40	39	45	6	38	1
46	1/9/2020	32	30	50	5	40	0.7
47	1/10/2020	13	18	61	3	24	0.4
48	1/11/2020	26	20	60	4	30	0.6
49	1/12/2020	101	75	59	9	47	1.2
50	1/13/2020	101	73	76	7	47	1.1
51	1/14/2020	109	81	66	8	55	1.2
52	1/15/2020	34	29	72	4	37	0.6
53	1/16/2020	9	11	70	4	25	0.4
54	1/17/2020	39	34	57	5	34	0.7
55	1/18/2020	66	51	57	6	39	0.9
56	1/19/2020	85	64	65	6	52	1
57	1/20/2020	127	102	99	9	66	1.3
58	1/21/2020	88	63	114	5	47	0.9
59	1/22/2020	72	44	77	5	52	1.2
60	1/23/2020	33	20	72	4	29	0.7
61	1/24/2020	40	51	102	4	18	0.7
62	1/25/2020	11	14	73	3	16	0.5
63	1/26/2020	16	21	82	4	13	0.6
64	1/27/2020	20	20	82	3	15	0.6
65	1/28/2020	81	68	66	5	22	1.1
66	1/29/2020	67	58	106	6	19	0.9
67	1/30/2020	71	62	101	7	20	1.1
68	1/31/2020	45	39	89	7	28	0.9
69	2/1/2020	29	25	91	5	30	0.6
70	2/2/2020	38	24	105	5	25	0.6
71	2/3/2020	57	43	98	5	31	0.7
72	2/4/2020	17	20	92	4	22	0.5
73	2/5/2020	27	30	94	4	21	0.5
74	2/6/2020	16	20	85	3	11	0.5
75	2/7/2020	23	23	88	3	12	0.6
76	2/8/2020	40	34	86	4	17	0.6
77	2/9/2020	75	60	102	5	27	0.9
78	2/10/2020	49	39	113	6	24	0.7
79	2/11/2020	25	22	100	4	16	0.6
80	2/12/2020	45	33	63	5	36	1
81	2/13/2020	50	33	81	4	22	0.9
82	2/14/2020	14	10	74	3	23	0.7
83	2/15/2020	11	7	52	3	20	0.8
84	2/16/2020	23	35	82	5	12	0.7
85	2/17/2020	16	27	88	6	15	0.6
86	2/18/2020	17	22	86	6	24	0.7
87	2/19/2020	12	19	105	4	18	0.5
88	2/20/2020	17	21	92	4	36	0.5
89	2/21/2020	28	29	94	5	27	0.7
90	2/22/2020	70	92	115	7	28	0.9
91	2/23/2020	24	44	104	5	21	0.6
92	2/24/2020	34	63	133	5	18	0.7

93	2/25/2020	41	46	88	6	29	0.9
94	2/26/2020	26	33	90	4	14	0.7
95	2/27/2020	25	40	100	4	14	0.6
96	2/28/2020	34	41	78	5	31	0.8
97	2/29/2020	23	15	61	4	33	0.8
98	3/1/2020	13	12	83	4	19	0.6
99	3/2/2020	21	26	101	4	13	0.8
100	3/3/2020	17	28	87	4	21	0.6
101	3/4/2020	23	32	97	5	17	0.6
102	3/5/2020	19	27	102	5	16	0.5
103	3/6/2020	19	29	115	4	16	0.6
104	3/7/2020	51	37	110	5	28	0.8
105	3/8/2020	15	18	111	4	17	0.5
106	3/9/2020	10	8	88	4	26	0.6
107	3/10/2020	26	27	101	4	23	0.6
108	3/11/2020	59	60	118	6	43	0.8
109	3/12/2020	47	46	114	5	24	0.7
110	3/13/2020	19	23	90	4	23	0.6
111	3/14/2020	21	42	88	5	28	0.6
112	3/15/2020	42	70	108	7	49	0.7
113	3/16/2020	12	33	93	5	18	0.5
114	3/17/2020	30	55	141	8	40	0.6
115	3/18/2020	51	69	166	9	49	0.7
116	3/19/2020	32	75	94	7	33	0.5
117	3/20/2020	13	57	119	6	30	0.4
118	3/21/2020	31	56	134	8	33	0.6
119	3/22/2020	34	33	103	5	24	0.6
120	3/23/2020	13	29	101	5	29	0.4
121	3/24/2020	23	33	114	6	36	0.4
122	3/25/2020	14	37	118	5	22	0.4
123	3/26/2020	32	38	59	5	43	0.7
124	3/27/2020	12	29	88	4	15	0.5
125	3/28/2020	8	23	80	4	14	0.4
126	3/29/2020	6	25	74	4	20	0.4
127	3/30/2020	11	21	88	4	21	0.5
128	3/31/2020	13	23	99	4	26	0.5
129	4/1/2020	32	37	124	5	24	0.5
130	4/2/2020	15	43	115	5	23	0.4
131	4/3/2020	25	43	119	5	26	0.5
132	4/4/2020	45	67	155	8	48	0.6
133	4/5/2020	11	38	117	5	14	0.4
134	4/6/2020	13	35	99	5	24	0.4
135	4/7/2020	23	41	101	6	49	0.5
136	4/8/2020	29	46	125	7	55	0.6
137	4/9/2020	31	44	113	6	33	0.6
138	4/10/2020	20	38	119	5	20	0.5
139	4/11/2020	20	25	100	4	19	0.6
140	4/12/2020	52	53	125	7	30	0.8

141	4/13/2020	52	74	137	8	47	0.8
142	4/14/2020	58	69	170	7	44	0.7
143	4/15/2020	52	67	141	7	45	0.7
144	4/16/2020	34	54	164	7	30	0.6
145	4/17/2020	50	97	100	8	73	0.9
146	4/18/2020	40	62	138	6	35	0.8
147	4/19/2020	30	27	116	5	25	0.8
148	4/20/2020	52	42	157	6	41	0.9
149	4/21/2020	19	26	95	5	27	0.5
150	4/22/2020	21	43	118	6	35	0.5
151	4/23/2020	20	45	121	6	24	0.5
152	4/24/2020	38	69	154	9	43	0.6
153	4/25/2020	40	70	157	8	39	0.7
154	4/26/2020	30	61	124	6	20	0.6
155	4/27/2020	17	33	108	5	25	0.5
156	4/28/2020	20	32	107	6	36	0.5
157	4/29/2020	19	40	150	6	22	0.5
158	4/30/2020	32	58	184	8	27	0.7
159	5/1/2020	36	53	66	7	34	0.7
160	5/2/2020	27	33	140	6	19	0.6
161	5/3/2020	54	69	192	9	40	0.9
162	5/4/2020	50	31	133	7	35	0.7
163	5/5/2020	24	18	113	5	19	0.7
164	5/6/2020	20	22	85	5	22	0.6
165	5/7/2020	24	32	113	5	17	0.6
166	5/8/2020	16	25	79	5	13	0.6
167	5/9/2020	42	37	79	6	35	1
168	5/10/2020	72	53	81	6	41	1
169	5/11/2020	90	63	191	7	36	0.9
170	5/12/2020	23	62	160	8	35	0.6
171	5/13/2020	17	73	120	6	26	0.5
172	5/14/2020	19	84	134	6	17	0.5
173	5/15/2020	33	41	119	7	37	0.7
174	5/16/2020	53	35	87	7	46	0.7
175	5/17/2020	67	42	150	7	31	0.8
176	5/18/2020	37	65	159	9	30	0.7
177	5/19/2020	30	69	152	9	34	0.6
178	5/20/2020	37	61	190	8	28	0.6
179	5/21/2020	21	43	154	7	18	0.6
180	5/22/2020	18	32	130	7	18	0.5

Table S9. Qingpu District average pollutant concentrations: November 25th, 2019, to May 22nd, 2020.

No.	Date	PM _{2.5} Daily Average ($\mu\text{g}/\text{m}^3$)	PM ₁₀ Daily Average ($\mu\text{g}/\text{m}^3$)	O ₃ 8 h Average Daily Maximum ($\mu\text{g}/\text{m}^3$)	SO ₂ Daily Average ($\mu\text{g}/\text{m}^3$)	NO ₂ Daily Average ($\mu\text{g}/\text{m}^3$)	CO Daily Average (mg/m^3)
1	11/25/2019	14	32	59	6	18	0.4
2	11/26/2019	18	32	42	8	39	0.5

3	11/27/2019	23	23	43	6	34	0.6
4	11/28/2019	17	33	63	8	19	0.5
5	11/29/2019	21	38	44	8	41	0.6
6	11/30/2019	24	37	14	9	64	0.7
7	12/1/2019	28	24	38	7	30	0.9
8	12/2/2019	64	64	68	12	43	1
9	12/3/2019	95	95	92	15	65	1.2
10	12/4/2019	99	100	58	17	81	1.2
11	12/5/2019	65	71	68	13	58	0.9
12	12/6/2019	14	26	76	7	29	0.5
13	12/7/2019	43	58	76	12	60	0.7
14	12/8/2019	78	84	102	15	71	1
15	12/9/2019	93	97	70	13	88	1
16	12/10/2019	79	89	64	12	93	0.8
17	12/11/2019	109	121	91	13	73	1.1
18	12/12/2019	43	63	54	8	62	0.8
19	12/13/2019	34	64	86	9	63	0.6
20	12/14/2019	60	82	69	9	64	0.8
21	12/15/2019	16	37	72	6	38	0.5
22	12/16/2019	32	46	76	8	49	0.5
23	12/17/2019	72	66	18	8	49	1.1
24	12/18/2019	30	30	49	5	28	0.6
25	12/19/2019	33	38	44	6	37	0.6
26	12/20/2019	52	54	31	8	55	0.8
27	12/21/2019	39	31	46	7	62	0.7
28	12/22/2019	23	23	64	5	37	0.7
29	12/23/2019	39	39	57	5	48	1
30	12/24/2019	38	44	50	6	54	0.7
31	12/25/2019	31	38	24	7	69	0.7
32	12/26/2019	34	27	53	3	29	1
33	12/27/2019	77	72	67	7	51	1.1
34	12/28/2019	74	69	75	7	66	1
35	12/29/2019	51	50	25	5	59	0.8
36	12/30/2019	78	68	85	6	44	1.1
37	12/31/2019	18	33	56	4	22	0.6
38	1/1/2020	16	29	59	5	44	0.6
39	1/2/2020	29	39	23	7	56	0.6
40	1/3/2020	52	54	17	9	53	0.6
41	1/4/2020	66	55	34	8	53	0.8
42	1/5/2020	42	41	64	8	42	0.6
43	1/6/2020	20	31	73	10	41	0.7
44	1/7/2020	36	34	25	9	44	1.3
45	1/8/2020	42	45	42	8	35	1.1
46	1/9/2020	37	35	43	9	44	0.8
47	1/10/2020	18	21	32	5	48	0.5
48	1/11/2020	33	27	51	6	32	0.6
49	1/12/2020	106	83	75	10	42	1.2
50	1/13/2020	114	93	76	10	56	1.3

51	1/14/2020	134	108	69	9	56	1.4
52	1/15/2020	42	30	49	6	58	0.8
53	1/16/2020	10	6	53	4	34	0.5
54	1/17/2020	41	35	56	5	30	0.8
55	1/18/2020	61	50	60	5	31	0.9
56	1/19/2020	69	56	79	6	36	1
57	1/20/2020	108	100	120	9	52	1.4
58	1/21/2020	109	83	117	6	51	1.1
59	1/22/2020	75	48	67	4	32	1.1
60	1/23/2020	31	22	68	4	23	0.7
61	1/24/2020	43	53	100	5	15	0.7
62	1/25/2020	14	19	78	4	9	0.4
63	1/26/2020	9	17	80	4	9	0.5
64	1/27/2020	22	24	84	4	11	0.7
65	1/28/2020	67	62	68	6	14	1
66	1/29/2020	60	57	107	7	13	0.9
67	1/30/2020	74	69	105	8	15	1.1
68	1/31/2020	64	58	107	9	22	1
69	2/1/2020	23	23	103	6	23	0.6
70	2/2/2020	27	24	108	6	21	0.6
71	2/3/2020	61	49	114	6	24	0.8
72	2/4/2020	20	28	102	5	23	0.6
73	2/5/2020	20	31	100	5	24	0.5
74	2/6/2020	13	21	81	4	13	0.3
75	2/7/2020	19	24	84	4	14	0.4
76	2/8/2020	35	37	87	4	15	0.6
77	2/9/2020	69	68	102	5	20	0.7
78	2/10/2020	41	41	110	7	18	0.6
79	2/11/2020	24	22	95	7	17	0.5
80	2/12/2020	35	31	80	6	21	0.7
81	2/13/2020	40	30	74	7	22	0.8
82	2/14/2020	13	13	69	6	20	0.6
83	2/15/2020	11	9	48	5	16	0.7
84	2/16/2020	19	38	89	6	10	0.5
85	2/17/2020	14	28	94	7	12	0.5
86	2/18/2020	21	26	87	7	21	0.6
87	2/19/2020	19	22	105	6	24	0.4
88	2/20/2020	17	22	92	6	31	0.4
89	2/21/2020	26	28	91	6	20	0.5
90	2/22/2020	55	89	118	8	22	0.7
91	2/23/2020	34	68	117	7	23	0.5
92	2/24/2020	43	74	136	8	24	0.7
93	2/25/2020	50	58	99	8	28	0.7
94	2/26/2020	23	32	87	4	12	0.5
95	2/27/2020	28	48	89	5	18	0.6
96	2/28/2020	30	39	77	5	22	0.6
97	2/29/2020	25	17	63	5	24	0.6
98	3/1/2020	18	13	74	4	15	0.4

99	3/2/2020	25	30	85	5	16	0.6
100	3/3/2020	24	38	80	6	23	0.4
101	3/4/2020	30	37	93	6	22	0.5
102	3/5/2020	24	34	97	8	25	0.5
103	3/6/2020	22	32	113	7	23	0.4
104	3/7/2020	71	58	90	8	32	0.7
105	3/8/2020	23	22	104	7	18	0.4
106	3/9/2020	12	8	79	7	23	0.5
107	3/10/2020	30	30		6	22	0.5
108	3/11/2020	66	63	115	8	42	0.7
109	3/12/2020	45	46	104	7	27	0.6
110	3/13/2020	26	27	75	6	26	0.5
111	3/14/2020	25	49	95	7	21	0.4
112	3/15/2020	37	72	123	10	32	0.5
113	3/16/2020	16	42	87	7	29	0.4
114	3/17/2020	26	59	140	9	35	0.4
115	3/18/2020	54	84	175	10	48	0.6
116	3/19/2020	36	80	94	8	37	0.5
117	3/20/2020	16	60	117	8	37	0.4
118	3/21/2020	37	63	138	10	36	0.5
119	3/22/2020	42	44	108	7	20	0.6
120	3/23/2020	13	31	81	7	36	0.4
121	3/24/2020	24	38	108	7	38	0.4
122	3/25/2020	21	39	118	8	20	0.4
123	3/26/2020	30	34	39	8	37	0.6
124	3/27/2020	12	35	80	5	14	0.4
125	3/28/2020	11	24	70	5	20	0.3
126	3/29/2020	9	30	58	6	26	0.3
127	3/30/2020	14	24	55	5	41	0.4
128	3/31/2020	19	29	70	6	45	0.4
129	4/1/2020	47	51	117	7	30	0.6
130	4/2/2020	21	50	88	7	42	0.5
131	4/3/2020	32	59	96	7	49	0.5
132	4/4/2020	50	75	152	9	32	0.6
133	4/5/2020	13	43	112	6	20	0.4
134	4/6/2020	17	48	76	7	42	0.4
135	4/7/2020	30	52	83	10	62	0.6
136	4/8/2020	28	49	141	9	51	0.4
137	4/9/2020	46	70	164	8	38	0.5
138	4/10/2020	28	51	136	6	21	0.4
139	4/11/2020	25	29	90	6	23	0.5
140	4/12/2020	50	55	130	8	23	0.6
141	4/13/2020	56	88	158	9	39	0.7
142	4/14/2020	66	84	191	10	59	0.6
143	4/15/2020	46	65	149	10	52	0.5
144	4/16/2020	38	60	161	10	47	0.5
145	4/17/2020	59	101	77	11	65	0.9
146	4/18/2020	49	83	111	9	50	0.8

147	4/19/2020	31	27	115	6	19	0.6
148	4/20/2020	46	39	182	8	29	0.7
149	4/21/2020	27	33	88	6	40	0.4
150	4/22/2020	30	47	138	7	38	0.4
151	4/23/2020	27	50	117	8	32	0.5
152	4/24/2020	37	69	161	10	53	0.6
153	4/25/2020	45	75	162	10	57	0.6
154	4/26/2020	43	83	133	11	36	0.8
155	4/27/2020	22	42	99	7	33	0.5
156	4/28/2020	21	37	119	7	41	0.3
157	4/29/2020	24	45	167	9	28	0.3
158	4/30/2020	41	69	209	11	39	0.5
159	5/1/2020	43	61	77	10	42	0.6
160	5/2/2020	36	43	162	9	20	0.5
161	5/3/2020	46	68	188	11	32	0.7
162	5/4/2020	76	72	144	10	54	0.7
163	5/5/2020	30	27	99	8	22	0.5
164	5/6/2020	31	36	64	7	27	0.6
165	5/7/2020	30	37	114	5	22	0.4
166	5/8/2020	17	27	81	5	19	0.4
167	5/9/2020	39	35	117	4	24	0.8
168	5/10/2020	75	65	127	4	35	0.8
169	5/11/2020	77	67	193	5	27	0.7
170	5/12/2020	26	63	156	6	28	0.5
171	5/13/2020	21	85	143	5	37	0.4
172	5/14/2020	24	70	142	5	22	0.4
173	5/15/2020	29	34	117	4	35	0.5
174	5/16/2020	70	48	134	5	53	0.7
175	5/17/2020	75	48	166	6	30	0.6
176	5/18/2020	38	64	172	7	31	0.5
177	5/19/2020	28	75	160	7	39	0.5
178	5/20/2020	40	74	202	6	36	0.5
179	5/21/2020	21	46	132	5	18	0.4
180	5/22/2020	18	36	139	4	22	0.3

Table S10. Songjiang District average pollutant concentrations: November 25th, 2019, to May 22nd, 2020.

No.	Date	PM _{2.5} Daily Average (µg/m ³)	PM ₁₀ Daily Average (µg/m ³)	O ₃ 8 h Average Daily Maximum (µg/m ³)	SO ₂ Daily Average (µg/m ³)	NO ₂ Daily Average (µg/m ³)	CO Daily Average (mg/m ³)
1	11/25/2019	16	34	59	4	22	0.4
2	11/26/2019	17	39	29	5	44	0.5
3	11/27/2019	19	24	42	4	35	0.5
4	11/28/2019	17	34	57	4	25	0.3
5	11/29/2019	19	41	39	5	45	0.4
6	11/30/2019	19	37	20	5	65	0.5
7	12/1/2019	24	19	37	4	35	0.7

8	12/2/2019	63	61	59	8	50	0.9
9	12/3/2019	88	89	82	11	75	1
10	12/4/2019	103	97	55	11	90	1.1
11	12/5/2019	62	79	57	10	70	0.9
12	12/6/2019	14	31	72	5	32	0.3
13	12/7/2019	39	56	72	7	65	0.5
14	12/8/2019	79	86	84	8	81	0.9
15	12/9/2019	92	88	73	9	92	0.8
16	12/10/2019	77	80	76	9	95	0.8
17	12/11/2019	106	118	83	11	84	1.1
18	12/12/2019	39	56	60	7	62	0.8
19	12/13/2019	36	55	88	7	69	0.6
20	12/14/2019	65	84	70	7	68	0.8
21	12/15/2019	21	35	81	5	37	0.4
22	12/16/2019	31	40	86	5	50	0.5
23	12/17/2019	69	62	17	6	56	1.1
24	12/18/2019	30	29	48	5	35	0.7
25	12/19/2019	29	37	37	4	44	0.5
26	12/20/2019	44	50	35	6	66	0.7
27	12/21/2019	32	31	53	5	56	0.6
28	12/22/2019	20	24	52	4	48	0.7
29	12/23/2019	33	39	53	5	53	0.7
30	12/24/2019	30	37	53	4	53	0.6
31	12/25/2019	26	32	25	5	65	0.6
32	12/26/2019	31	29	48	4	37	0.9
33	12/27/2019	72	71	59	7	58	1
34	12/28/2019	73	70	78	8	63	0.9
35	12/29/2019	42	45	32	7	58	0.5
36	12/30/2019	72	67	83	7	48	0.8
37	12/31/2019	17	36	51	5	29	0.4
38	1/1/2020	16	29	62	5	48	0.4
39	1/2/2020	29	38	26	6	60	0.5
40	1/3/2020	52	54	7	6	60	0.8
41	1/4/2020	58	50	29	5	58	0.8
42	1/5/2020	39	38	62	6	42	0.6
43	1/6/2020	20	27	71	6	40	0.6
44	1/7/2020	37	31	22	5	48	1.2
45	1/8/2020	42	42	37	6	45	1
46	1/9/2020	36	35	41	6	52	0.8
47	1/10/2020	16	16	37	5	47	0.5
48	1/11/2020	32	21	49	5	38	0.7
49	1/12/2020	106	79	69	8	48	1.2
50	1/13/2020	114	89	64	8	65	1.3
51	1/14/2020	130	102	63	9	64	1.4
52	1/15/2020	42	28	52	7	55	0.9
53	1/16/2020	9	7	58	5	34	0.6
54	1/17/2020	41	33	47	5	35	0.8
55	1/18/2020	62	48	50	6	33	0.7

56	1/19/2020	71	56	70	6	44	0.8
57	1/20/2020	111	97	105	9	63	1.2
58	1/21/2020	103	73	114	6	42	0.9
59	1/22/2020	73	43	69	4	37	1
60	1/23/2020	31	17	62	4	30	0.6
61	1/24/2020	40	48	92	4	21	0.6
62	1/25/2020	14	15	67	4	16	0.4
63	1/26/2020	13	16	74	4	15	0.4
64	1/27/2020	23	21	78	4	14	0.6
65	1/28/2020	68	57	71	5	18	0.9
66	1/29/2020	63	54	96	6	17	0.7
67	1/30/2020	79	66	93	7	20	1
68	1/31/2020	63	52	94	8	26	0.9
69	2/1/2020	26	21	89	5	25	0.5
70	2/2/2020	32	23	99	5	24	0.6
71	2/3/2020	63	44	107	5	28	0.7
72	2/4/2020	21	24	91	5	23	0.4
73	2/5/2020	27	28	90	5	25	0.5
74	2/6/2020	15	20	71	5	15	0.4
75	2/7/2020	20	19	75	4	17	0.5
76	2/8/2020	35	32	78	5	19	0.6
77	2/9/2020	68	60	93	5	23	0.8
78	2/10/2020	45	40	102	7	21	0.6
79	2/11/2020	27	22	86	5	19	0.5
80	2/12/2020	41	30	70	5	27	0.7
81	2/13/2020	46	29	70	5	23	0.7
82	2/14/2020	18	13	66	4	22	0.5
83	2/15/2020	11	8	42	4	19	0.6
84	2/16/2020	23	35	79	5	13	0.5
85	2/17/2020	16	25	83	6	14	0.4
86	2/18/2020	22	23	81	6	24	0.4
87	2/19/2020	18	21	96	5	27	0.4
88	2/20/2020	17	21	87	5	31	0.4
89	2/21/2020	25	26	85	5	24	0.5
90	2/22/2020	57	87	109	7	25	0.7
91	2/23/2020	33	61	103	6	26	0.5
92	2/24/2020	41	69	117	6	25	0.6
93	2/25/2020	47	54	97	6	29	0.8
94	2/26/2020	29	35	72	4	22	0.7
95	2/27/2020	31	45	88	5	21	0.5
96	2/28/2020	35	37	72	5	28	0.6
97	2/29/2020	30	14	59	4	30	0.7
98	3/1/2020	21	11	70	4	21	0.5
99	3/2/2020	25	26	82	4	21	0.6
100	3/3/2020	21	33	68	5	32	0.4
101	3/4/2020	31	35	84	6	29	0.5
102	3/5/2020	23	29	95	6	26	0.4
103	3/6/2020	23	31	95	5	29	0.4

104	3/7/2020	65	50	79	6	39	0.7
105	3/8/2020	23	20	98	5	26	0.4
106	3/9/2020	12	8	76	4	30	0.5
107	3/10/2020	28	27	90	4	26	0.6
108	3/11/2020	64	60	110	6	49	0.8
109	3/12/2020	43	44	95	5	31	0.6
110	3/13/2020	26	25	74	4	31	0.6
111	3/14/2020	25	44	87	5	29	0.5
112	3/15/2020	39	66	107	8	48	0.6
113	3/16/2020	16	39	84	6	32	0.4
114	3/17/2020	29	51	120	7	38	0.5
115	3/18/2020	52	72	149	8	48	0.6
116	3/19/2020	37	77	88	8	43	0.6
117	3/20/2020	16	57	108	7	39	0.4
118	3/21/2020	34	59	133	8	40	0.6
119	3/22/2020	44	45	95	5	30	0.7
120	3/23/2020	13	30	81	8	38	0.4
121	3/24/2020	25	38	104	6	42	0.4
122	3/25/2020	20	38	112	6	26	0.5
123	3/26/2020	30	35	49	5	44	0.8
124	3/27/2020	13	31	78	4	21	0.5
125	3/28/2020	10	21	71	4	25	0.5
126	3/29/2020	10	28	55	4	32	0.5
127	3/30/2020	14	20	68	4	34	0.5
128	3/31/2020	19	28	76	5	43	0.5
129	4/1/2020	44	45	112	6	32	0.6
130	4/2/2020	21	49	92	6	39	0.5
131	4/3/2020	28	50	95	6	37	0.5
132	4/4/2020	48	73	136	7	45	0.6
133	4/5/2020	15	44	102	6	24	0.4
134	4/6/2020	18	41	77	6	36	0.4
135	4/7/2020	28	44	69	7	58	0.5
136	4/8/2020	30	47	135	7	51	0.4
137	4/9/2020	50	66	163	6	43	0.5
138	4/10/2020	27	45	127	5	24	0.4
139	4/11/2020	23	25	87	4	27	0.5
140	4/12/2020	47	51	122	6	25	0.6
141	4/13/2020	53	76	142	7	41	0.7
142	4/14/2020	60	73	180	7	48	0.7
143	4/15/2020	46	60	138	8	52	0.6
144	4/16/2020	39	56	158	7	41	0.6
145	4/17/2020	50	82	82	8	58	0.9
146	4/18/2020	44	80	113	7	45	0.9
147	4/19/2020	29	26	108	4	20	0.8
148	4/20/2020	41	36	170	6	29	0.8
149	4/21/2020	25	31	88	5	34	0.4
150	4/22/2020	26	45	134	6	35	0.4
151	4/23/2020	24	52	114	6	28	0.4

152	4/24/2020	38	66	147	9	44	0.5
153	4/25/2020	42	71	149	8	47	0.6
154	4/26/2020	39	80	121	7	35	0.6
155	4/27/2020	21	43	102	5	32	0.4
156	4/28/2020	20	34	116	6	37	0.4
157	4/29/2020	21	39	152	6	26	0.4
158	4/30/2020	34	59	183	7	34	0.6
159	5/1/2020	37	56	73	6	41	0.6
160	5/2/2020	28	36	144	5	22	0.6
161	5/3/2020	43	67	181	6	33	0.8
162	5/4/2020	68	71	140	7	50	0.8
163	5/5/2020	25	23	105	4	22	0.6
164	5/6/2020	27	32	60	4	30	0.7
165	5/7/2020	28	34	113	4	21	0.5
166	5/8/2020	18	25	80	4	19	0.5
167	5/9/2020	39	33	103	4	29	0.8
168	5/10/2020	70	55	110	4	33	0.8
169	5/11/2020	77	61	184	5	34	0.8
170	5/12/2020	27	57	143	6	33	0.5
171	5/13/2020	24	86	132	5	31	0.4
172	5/14/2020	21	67	136	4	20	0.5
173	5/15/2020	30	35	118	4	29	0.6
174	5/16/2020	70	44	97	4	56	0.9
175	5/17/2020	82	47	149	4	32	0.7
176	5/18/2020	41	59	169	5	33	0.6
177	5/19/2020	25	72	149	6	38	0.5
178	5/20/2020	35	64	188	6	32	0.5
179	5/21/2020	19	44	137	4	20	0.5
180	5/22/2020	16	31	137	4	22	0.5

Table S11. Changning District average pollutant concentrations: November 25th, 2019, to May 22nd, 2020.

No.	Date	PM _{2.5} Daily Average (µg/m ³)	PM ₁₀ Daily Average (µg/m ³)	O ₃ 8 h Average Daily Maximum (µg/m ³)	SO ₂ Daily Average (µg/m ³)	NO ₂ Daily Average (µg/m ³)	CO Daily Average (mg/m ³)
1	11/25/2019	12	34	54	5	24	0.5
2	11/26/2019	16	34	38	6	42	0.6
3	11/27/2019	16	23	43	5	38	0.6
4	11/28/2019	14	35	53	5	26	0.5
5	11/29/2019	17	36	43	6	43	0.6
6	11/30/2019	14	30	29	6	59	0.7
7	12/1/2019	24	22	33	5	40	0.9
8	12/2/2019	61	63	50	10	56	1.1
9	12/3/2019	81	88	57	13	89	1.2
10	12/4/2019	99	105	40	14	109	1.5
11	12/5/2019	54	66	67	11	64	0.8
12	12/6/2019	12	26	68	7	31	0.4

13	12/7/2019	35	51	75	9	63	0.6
14	12/8/2019	68	77	75	11	93	1
15	12/9/2019	77	84	63	11	100	0.9
16	12/10/2019	66	78	61	11	101	0.9
17	12/11/2019	104	116	82	12	84	1.2
18	12/12/2019	29	45	68	8	54	0.6
19	12/13/2019	28	55	71	8	66	0.6
20	12/14/2019	53	72	76	9	64	0.8
21	12/15/2019	14	36	57	7	38	0.4
22	12/16/2019	28	49	61	7	55	0.6
23	12/17/2019	66	62	13	7	57	1.2
24	12/18/2019	25	30	52	5	34	0.6
25	12/19/2019	27	34	35	5	44	0.5
26	12/20/2019	40	46	48	7	53	0.7
27	12/21/2019	29	29	58	6	51	0.6
28	12/22/2019	19	26	62	6	45	0.7
29	12/23/2019	33	34	64	6	49	0.6
30	12/24/2019	30	36	62	6	43	0.6
31	12/25/2019	23	33	35	6	62	0.6
32	12/26/2019	32	28	38	6	45	1
33	12/27/2019	67	65	52	8	65	0.9
34	12/28/2019	70	66	74	9	67	0.9
35	12/29/2019	39	44	35	7	61	0.7
36	12/30/2019	75	66	83	8	48	1
37	12/31/2019	16	33	52	6	26	0.4
38	1/1/2020	14	30	55	5	45	0.4
39	1/2/2020	24	41	33	6	64	0.5
40	1/3/2020	42	46	25	7	54	0.7
41	1/4/2020	64	52	56	6	46	0.7
42	1/5/2020	38	42	69	6	41	0.6
43	1/6/2020	21	36	64	8	47	0.6
44	1/7/2020	35	34	20	6	52	1.1
45	1/8/2020	42	44	37	5	43	1
46	1/9/2020	33	36	45	6	46	0.7
47	1/10/2020	15	23	47	5	38	0.4
48	1/11/2020	31	23	57	5	39	0.5
49	1/12/2020	115	91	56	9	58	1.2
50	1/13/2020	122	99	58	9	68	1.3
51	1/14/2020	123	92	60	9	60	1.2
52	1/15/2020	36	30	63	6	44	0.7
53	1/16/2020	9	9	61	5	33	0.4
54	1/17/2020	40	35	51	5	39	0.7
55	1/18/2020	67	53	50	6	39	0.9
56	1/19/2020	81	64	66	7	53	1
57	1/20/2020	124	106	103	10	65	1.2
58	1/21/2020	96	70	109	7	47	0.9
59	1/22/2020	76	48	61	6	48	1.1
60	1/23/2020	32	25	62	5	32	0.6

61	1/24/2020	45	57	93	5	21	0.6
62	1/25/2020	15	17	67	5	18	0.4
63	1/26/2020	13	21	74	5	15	0.4
64	1/27/2020	22	25	79	5	15	0.5
65	1/28/2020	79	68	63	5	21	0.9
66	1/29/2020	65	58	101	8	20	0.8
67	1/30/2020	70	63	98	8	21	1
68	1/31/2020	54	48	90	8	35	0.9
69	2/1/2020	27	26	83	7	46	0.6
70	2/2/2020	29	23	102	7	27	0.5
71	2/3/2020	61	50	106	6	38	0.6
72	2/4/2020	17	25	93	6	25	0.3
73	2/5/2020	25	32	94	5	28	0.4
74	2/6/2020	14	22	80	4	14	0.3
75	2/7/2020	19	25	80	4	16	0.4
76	2/8/2020	37	37	79	5	22	0.6
77	2/9/2020	74	67	95	6	32	0.8
78	2/10/2020	44	42	105	8	34	0.6
79	2/11/2020	27	23	90	6	21	0.4
80	2/12/2020	44	35	75	6	38	0.7
81	2/13/2020	48	31	67	6	25	0.7
82	2/14/2020	17	12	63	5	26	0.5
83	2/15/2020	12	7	45	4	23	0.6
84	2/16/2020	24	37	78	5	15	0.5
85	2/17/2020	15	27	84	7	19	0.4
86	2/18/2020	20	25	80	8	31	0.6
87	2/19/2020	15	21	104	7	23	0.3
88	2/20/2020	15	21	84	6	33	0.3
89	2/21/2020	25	29	86	7	29	0.4
90	2/22/2020	64	91	111	9	33	0.6
91	2/23/2020	28	59	108	7	22	0.4
92	2/24/2020	38	72	121	11	25	0.6
93	2/25/2020	46	54	77	7	32	0.7
94	2/26/2020	26	35	82	5	18	0.5
95	2/27/2020	26	46	90	6	20	0.5
96	2/28/2020	32	43	76	6	33	0.6
97	2/29/2020	23	16	64	6	31	0.6
98	3/1/2020	15	14	70	5	23	0.5
99	3/2/2020	23	30	90	6	20	0.6
100	3/3/2020	22	36	78	6	31	0.5
101	3/4/2020	30	37	93	6	23	0.4
102	3/5/2020	22	31	98	7	21	0.4
103	3/6/2020	20	33	116	7	23	0.4
104	3/7/2020	63	48	103	7	37	0.6
105	3/8/2020	18	20	105	5	21	0.4
106	3/9/2020	11	8	79	5	31	0.5
107	3/10/2020	30	32	93	5	30	0.6
108	3/11/2020	61	62	112	7	49	0.7

109	3/12/2020	46	48	107	8	27	0.5
110	3/13/2020	23	25	84	5	29	0.5
111	3/14/2020	24	46	88	6	34	0.5
112	3/15/2020	40	68	106	8	56	0.6
113	3/16/2020	13	36	86	7	27	0.3
114	3/17/2020	27	54	130	11	42	0.4
115	3/18/2020	51	73	161	13	50	0.6
116	3/19/2020	32	69	87	10	38	0.5
117	3/20/2020	14	62	110	10	33	0.4
118	3/21/2020	33	66	135	14	45	0.6
119	3/22/2020	40	34	97	6	28	0.5
120	3/23/2020	12	27	86	6	33	0.4
121	3/24/2020	22	37	110	6	34	0.4
122	3/25/2020	17	42	116	11	28	0.4
123	3/26/2020	33	40	39	7	55	0.8
124	3/27/2020	13	35	80	6	22	0.5
125	3/28/2020	8	26	73	5	22	0.4
126	3/29/2020	8	28	71	5	25	0.4
127	3/30/2020	15	23	69	5	37	0.5
128	3/31/2020	16	28	87	5	34	0.4
129	4/1/2020	39	43	122	6	31	0.5
130	4/2/2020	17	45	100	6	33	0.4
131	4/3/2020	31	51	107	6	41	0.4
132	4/4/2020	53	76	146	8	52	0.6
133	4/5/2020	13	42	111	6	19	0.3
134	4/6/2020	16	41	84	6	35	0.4
135	4/7/2020	28	45	84	9	60	0.6
136	4/8/2020	28	52	131	8	60	0.5
137	4/9/2020	40	60	129	7	43	0.4
138	4/10/2020	24	50	114	6	27	0.4
139	4/11/2020	22	29	91	5	26	0.5
140	4/12/2020	51	55	124	7	34	0.7
141	4/13/2020	56	78	136	9	54	0.9
142	4/14/2020	60	73	167	8	50	0.6
143	4/15/2020	47	66	146	8	56	0.6
144	4/16/2020	35	62	159	9	46	0.5
145	4/17/2020	48	89	79	8	75	0.8
146	4/18/2020	40	76	121	8	46	0.8
147	4/19/2020	30	26	106	6	31	0.7
148	4/20/2020	49	46	162	7	47	0.8
149	4/21/2020	22	29	85	6	31	0.4
150	4/22/2020	24	47	124	7	36	0.4
151	4/23/2020	22	50	116	8	30	0.5
152	4/24/2020	37	65	158	11	48	0.6
153	4/25/2020	40	65	154	10	45	0.6
154	4/26/2020	32	72	118	8	30	0.5
155	4/27/2020	18	36	104	6	28	0.4
156	4/28/2020	19	35	114	7	41	0.4

157	4/29/2020	21	45	150	9	31	0.4
158	4/30/2020	36	62	187	10	43	0.5
159	5/1/2020	37	55	63	8	49	0.6
160	5/2/2020	29	37	141	7	29	0.5
161	5/3/2020	46	67	181	8	49	0.7
162	5/4/2020	64	51	132	7	55	0.7
163	5/5/2020	28	25	102	5	29	0.5
164	5/6/2020	23	30	64	5	32	0.6
165	5/7/2020	25	37	111	4	23	0.4
166	5/8/2020	16	28	74	4	23	0.5
167	5/9/2020	43	42	88	5	42	0.9
168	5/10/2020	77	65	96	6	44	0.9
169	5/11/2020	75	62	187	6	37	0.8
170	5/12/2020	23	57	150	7	37	0.5
171	5/13/2020	16	73	124	6	29	0.4
172	5/14/2020	19	73	137	6	21	0.4
173	5/15/2020	28	36	102	4	43	0.6
174	5/16/2020	72	44	76	5	71	1
175	5/17/2020	69	50	149	8	41	0.7
176	5/18/2020	37	57	154	7	37	0.6
177	5/19/2020	30	67	151	7	42	0.6
178	5/20/2020	37	66	195	9	37	0.5
179	5/21/2020	19	47	141	6	24	0.4
180	5/22/2020	18	35	135	7	25	0.4

Table S12. Hongkou District average pollutant concentrations: November 25th, 2019, to May 22nd, 2020.

No.	Date	PM _{2.5} Daily Average (µg/m ³)	PM ₁₀ Daily Average (µg/m ³)	O ₃ 8 h Average Daily Maximum (µg/m ³)	SO ₂ Daily Average (µg/m ³)	NO ₂ Daily Average (µg/m ³)	CO Daily Average (mg/m ³)
1	11/25/2019	13	32	54	5	26	0.5
2	11/26/2019	13	29	44	6	33	0.4
3	11/27/2019	19	20	48	5	40	0.5
4	11/28/2019	14	35	52	7	22	0.4
5	11/29/2019	15	35	40	7	37	0.4
6	11/30/2019	14	29	30	7	62	0.6
7	12/1/2019	25	25	37	6	40	0.9
8	12/2/2019	64	69	47	10	58	1.1
9	12/3/2019	80	92	48	10	93	1.1
10	12/4/2019	100	104	34	10	110	1.5
11	12/5/2019	53	57	66	8	62	0.8
12	12/6/2019	14	21	70	5	38	0.5
13	12/7/2019	40	48	76	7	72	0.7
14	12/8/2019	74	73	66	10	103	1.1
15	12/9/2019	84	78	56	10	108	1
16	12/10/2019	68	94	43	8	114	1
17	12/11/2019	111	125	78	9	86	1.3

18	12/12/2019	30	48	61	7	56	0.6
19	12/13/2019	30	63	57	7	70	0.7
20	12/14/2019	54	77	68	7	62	0.9
21	12/15/2019	15	31	59	6	44	0.7
22	12/16/2019	30	52	54	6	59	0.8
23	12/17/2019	70	60	18	6	60	1.5
24	12/18/2019	26	29	50	5	36	1
25	12/19/2019	24	34	38	6	50	0.5
26	12/20/2019	44	45	47	7	58	0.7
27	12/21/2019	27	29	53	6	65	0.6
28	12/22/2019	18	23	60	6	50	0.5
29	12/23/2019	32	32	66	6	54	0.6
30	12/24/2019	34	38	56	6	48	0.7
31	12/25/2019	23	35	22	6	73	0.7
32	12/26/2019	30	26	38	4	39	0.9
33	12/27/2019	69	70	46	9	70	1
34	12/28/2019	71	68	68	7	71	0.9
35	12/29/2019	38	49	36	5	66	0.8
36	12/30/2019	73	63	76	6	51	1
37	12/31/2019	15	33	51	5	26	0.4
38	1/1/2020	13	26	52	5	41	0.4
39	1/2/2020	24	36	32	6	66	0.6
40	1/3/2020	40	38	26	5	52	0.7
41	1/4/2020	64	55	54	5	50	0.9
42	1/5/2020	40	38	52	4	51	0.7
43	1/6/2020	19	35	57	6	42	0.8
44	1/7/2020	34	29	26	4	48	1.3
45	1/8/2020	40	38	42	4	42	1.1
46	1/9/2020	32	28	42	4	46	0.8
47	1/10/2020	13	23	45	5	37	0.3
48	1/11/2020	30	22	52	5	42	0.7
49	1/12/2020	116	82	52	10	58	1.4
50	1/13/2020	113	89	51	7	66	1.1
51	1/14/2020	110	87	60	8	64	1.1
52	1/15/2020	35	29	53	4	54	0.6
53	1/16/2020	10	9	53	2	36	0.4
54	1/17/2020	38	37	50	3	39	0.7
55	1/18/2020	64	57	49	5	41	0.9
56	1/19/2020	82	70	57	5	52	1.1
57	1/20/2020	127	123	91	8	73	1.4
58	1/21/2020	93	73	102	6	61	0.9
59	1/22/2020	73	51	67	5	50	1.2
60	1/23/2020	31	24	58	5	36	0.7
61	1/24/2020	43	59	88	5	28	0.7
62	1/25/2020	11	16	64	5	20	0.5
63	1/26/2020	14	24	72	4	20	0.6
64	1/27/2020	19	24	70	3	20	0.7
65	1/28/2020	77	73	54	7	24	1.2

66	1/29/2020	62	58	88	10	22	1
67	1/30/2020	64	62	84	9	22	1.2
68	1/31/2020	42	41	75	8	30	1
69	2/1/2020	25	26	66	8	47	0.8
70	2/2/2020	31	26	87	7	29	0.8
71	2/3/2020	56	47	92	7	32	0.9
72	2/4/2020	17	23	80	6	30	0.7
73	2/5/2020	24	35	76	5	30	0.6
74	2/6/2020	15	24	70	4	12	0.3
75	2/7/2020	20	28	71	4	13	0.4
76	2/8/2020	33	38	72	4	15	0.5
77	2/9/2020	72	68	84	4	24	0.8
78	2/10/2020	44	43	91	5	30	0.7
79	2/11/2020	24	24	81	5	19	0.6
80	2/12/2020	49	42	51	6	41	1.1
81	2/13/2020	52	34	67	5	24	0.9
82	2/14/2020	16	12	61	4	27	0.8
83	2/15/2020	12	7	43	4	21	0.8
84	2/16/2020	20	37	71	6	10	0.8
85	2/17/2020	14	28	73	6	14	0.7
86	2/18/2020	17	25	68	6	23	0.8
87	2/19/2020	13	21	88	4	16	0.6
88	2/20/2020	15	23	78	4	31	0.6
89	2/21/2020	24	31	76	5	25	0.8
90	2/22/2020	63	96	96	8	26	1.1
91	2/23/2020	26	56	92	6	20	0.8
92	2/24/2020	35	74	108	6	26	1
93	2/25/2020	42	54	73	6	31	1.2
94	2/26/2020	23	37	79	5	18	0.9
95	2/27/2020	25	47	80	5	23	0.7
96	2/28/2020	31	45	69	5	38	0.6
97	2/29/2020	21	18	47	5	41	0.6
98	3/1/2020	14	13	82	5	24	0.4
99	3/2/2020	24	30	96	6	19	0.6
100	3/3/2020	20	36	72	6	31	0.5
101	3/4/2020	26	36	85	5	18	0.5
102	3/5/2020	22	32	83	6	17	0.4
103	3/6/2020	22	34	102	6	20	0.4
104	3/7/2020	60	48	94	5	36	0.6
105	3/8/2020	19	20	96	6	22	0.3
106	3/9/2020	10	9	74	5	34	0.5
107	3/10/2020	29	30	85	5	29	0.6
108	3/11/2020	61	66	97	6	49	0.8
109	3/12/2020	48	48	100	6	30	0.6
110	3/13/2020	23	30	76	5	30	0.5
111	3/14/2020	26	50	77	6	33	0.5
112	3/15/2020	41	73	87	8	55	0.7
113	3/16/2020	16	39	77	6	26	0.4

114	3/17/2020	30	65	101	8	53	0.6
115	3/18/2020	50	78	146	8	54	0.7
116	3/19/2020	32	79	80	10	38	0.6
117	3/20/2020	16	62	104	7	32	0.5
118	3/21/2020	35	69	123	13	46	0.7
119	3/22/2020	32	43	95	5	25	0.6
120	3/23/2020	17	33	83	6	37	0.2
121	3/24/2020	23	41	86	16	44	0.4
122	3/25/2020	14	45	105	8	28	0.4
123	3/26/2020	37	47	49	6	48	0.9
124	3/27/2020	11	36	79	4	12	0.5
125	3/28/2020	7	25	70	3	14	0.4
126	3/29/2020	7	29	66	10	24	0.3
127	3/30/2020	14	26	70	5	35	0.4
128	3/31/2020	16	29	80	4	29	0.4
129	4/1/2020	36	44	116	8	29	0.6
130	4/2/2020	16	46	97	6	31	0.5
131	4/3/2020	27	50	94	7	34	0.5
132	4/4/2020	45	74	132	8	45	0.6
133	4/5/2020	12	42	96	7	13	0.4
134	4/6/2020	14	41	76	5	24	0.5
135	4/7/2020	23	48	77	7	57	0.5
136	4/8/2020	26	55	104	7	59	0.5
137	4/9/2020	31	55	96	7	35	0.4
138	4/10/2020	21	48	91	6	22	0.4
139	4/11/2020	19	27	90	6	20	0.5
140	4/12/2020	50	58	107	8	27	0.7
141	4/13/2020	54	85	119	9	46	0.7
142	4/14/2020	58	81	145	8	60	0.6
143	4/15/2020	55	79	114	7	66	0.7
144	4/16/2020	33	64	134	7	38	0.6
145	4/17/2020	49	99	69	8	77	1
146	4/18/2020	41	73	108	7	43	0.9
147	4/19/2020	31	27	96	6	27	0.8
148	4/20/2020	51	53	138	6	44	1
149	4/21/2020	18	27	75	6	32	0.5
150	4/22/2020	20	50	84	7	40	0.4
151	4/23/2020	20	50	96	7	31	0.4
152	4/24/2020	36	71	132	10	47	0.6
153	4/25/2020	38	74	124	9	54	0.6
154	4/26/2020	30	71	93	7	32	0.6
155	4/27/2020	17	36	86	6	30	0.5
156	4/28/2020	19	37	92	7	46	0.5
157	4/29/2020	19	48	130	7	27	0.5
158	4/30/2020	36	72	180	10	44	0.6
159	5/1/2020	36	61	48	7	51	0.7
160	5/2/2020	28	45	149	7	30	0.5
161	5/3/2020	49	75	173	7	41	1

162	5/4/2020	54	42	115	6	46	0.9
163	5/5/2020	26	26	94	6	23	0.8
164	5/6/2020	21	29	62	4	41	0.7
165	5/7/2020	24	40	96	2	34	0.5
166	5/8/2020	16	30	71	3	20	0.5
167	5/9/2020	43	43	66	4	44	1.1
168	5/10/2020	73	68	83	4	48	1
169	5/11/2020	76	68	170	3	47	0.9
170	5/12/2020	23	65	136	5	46	0.7
171	5/13/2020	17	76	108	3	40	0.5
172	5/14/2020	18	83	128	2	28	0.6
173	5/15/2020	29	43	89	1	48	0.8
174	5/16/2020	63	39	74	3	71	0.9
175	5/17/2020	62	49	128	3	44	0.8
176	5/18/2020	36	62	134	3	38	0.7
177	5/19/2020	23	75	124	5	40	0.6
178	5/20/2020	34	70	162	4	39	0.5
179	5/21/2020	20	50	125	3	25	0.5
180	5/22/2020	16	38	116	3	24	0.5

Table S13. Huangpu District average pollutant concentrations: November 25th, 2019, to May 22nd, 2020.

No.	Date	PM _{2.5} Daily Average (µg/m ³)	PM ₁₀ Daily Average (µg/m ³)	O ₃ 8 h Average Daily Maximum (µg/m ³)	SO ₂ Daily Average (µg/m ³)	NO ₂ Daily Average (µg/m ³)	CO Daily Average (mg/m ³)
1	11/25/2019	20	29	54	4	30	0.5
2	11/26/2019	21	20	44	4	43	0.6
3	11/27/2019	19	21	46	4	42	0.5
4	11/28/2019	24	32	48	4	36	0.6
5	11/29/2019	22	30	39	4	50	0.6
6	11/30/2019	12	22	30	3	68	0.6
7	12/1/2019	27	24	36	5	45	1
8	12/2/2019	62	60	49	6	64	1.2
9	12/3/2019	83	76	54	8	92	1.1
10	12/4/2019	99	88	40	8	128	1.4
11	12/5/2019	56	46	65	6	76	0.8
12	12/6/2019	14	20	67	4	34	0.4
13	12/7/2019	40	45	68	8	59	0.7
14	12/8/2019	76	68	70	9	93	1
15	12/9/2019	91	77	59	7	109	1
16	12/10/2019	75	66	66	6	109	1.1
17	12/11/2019	116	106	83	7	98	1.4
18	12/12/2019	32	36	63	4	58	0.9
19	12/13/2019	30	45	62	4	82	0.9
20	12/14/2019	60	62	67	4	78	1
21	12/15/2019	16	29	51	5	50	0.7
22	12/16/2019	32	48	52	4	63	0.9

23	12/17/2019	79	63	13	5	60	1.4
24	12/18/2019	33	31	49	4	36	0.8
25	12/19/2019	28	32	33	3	48	0.8
26	12/20/2019	44	41	43	5	56	1
27	12/21/2019	28	25	54	3	54	0.9
28	12/22/2019	19	20	58	4	44	0.9
29	12/23/2019	33	29	60	4	54	0.9
30	12/24/2019	37	38	56	4	50	0.9
31	12/25/2019	30	28	28	3	72	0.9
32	12/26/2019	33	26	40	3	46	1.3
33	12/27/2019	71	63	47	6	66	1.1
34	12/28/2019	77	56	70	4	78	1.2
35	12/29/2019	42	40	28	4	72	1
36	12/30/2019	80	59	70	4	58	1.2
37	12/31/2019	19	27	51	4	29	0.6
38	1/1/2020	16	22	53	2	40	0.6
39	1/2/2020	26	37	31	4	65	0.7
40	1/3/2020	40	39	21	5	59	0.9
41	1/4/2020	70	49	52	4	53	0.9
42	1/5/2020	42	38	60	5	51	0.8
43	1/6/2020	25	30	60	4	48	0.9
44	1/7/2020	34	27	14	5	54	1.3
45	1/8/2020	44	38	46	5	43	1.1
46	1/9/2020	36	30	48	5	48	0.8
47	1/10/2020	18	20	42	2	46	0.7
48	1/11/2020	32	23	60	4	42	0.7
49	1/12/2020	119	84	59	8	52	1.4
50	1/13/2020	130	84	58	6	67	1.2
51	1/14/2020	123	82	62	7	56	1.3
52	1/15/2020	41	24	56	3	48	0.8
53	1/16/2020	12	10	56	2	36	0.6
54	1/17/2020	44	36	50	2	38	0.8
55	1/18/2020	74	52	52	3	38	1
56	1/19/2020	88	61	64	3	47	1
57	1/20/2020	136	103	102	6	64	1.3
58	1/21/2020	105	65	104	3	48	1
59	1/22/2020	80	44	67	2	46	1.3
60	1/23/2020	36	20	58	2	37	0.9
61	1/24/2020	48	56	85	3	30	0.8
62	1/25/2020	14	15	63	2	22	0.6
63	1/26/2020	18	20	72	2	22	0.6
64	1/27/2020	26	23	74	2	20	0.8
65	1/28/2020	84	70	58	3	24	1.2
66	1/29/2020	76	56	94	4	21	1.1
67	1/30/2020	64	60	92	4	21	1.2
68	1/31/2020	40	40	83	5	28	1
69	2/1/2020	24	25	70	4	46	0.8
70	2/2/2020	25	22	96	3	26	0.8

71	2/3/2020	50	44	98	3	33	0.9
72	2/4/2020	16	20	85	3	24	0.7
73	2/5/2020	24	29	84	3	27	0.7
74	2/6/2020	16	20	77	2	14	0.5
75	2/7/2020	22	24	76	2	17	0.6
76	2/8/2020	34	33	77	2	19	0.7
77	2/9/2020	70	62	94	4	24	0.9
78	2/10/2020	42	38	95	5	30	0.8
79	2/11/2020	24	21	84	4	24	0.7
80	2/12/2020	36	34	68	4	36	1
81	2/13/2020	38	30	67	4	26	0.9
82	2/14/2020	15	10	62	4	27	0.7
83	2/15/2020	14	6	44	4	20	0.8
84	2/16/2020	26	32	74	6	14	0.8
85	2/17/2020	19	24	78	6	17	0.7
86	2/18/2020	20	22	72	6	26	0.7
87	2/19/2020	16	18	100	5	22	0.5
88	2/20/2020	18	18	82	5	33	0.6
89	2/21/2020	29	26	82	6	28	0.7
90	2/22/2020	70	85	105	8	30	0.9
91	2/23/2020	28	48	98	6	22	0.6
92	2/24/2020	38	62	117	6	24	0.8
93	2/25/2020	52	54	82	6	32	1
94	2/26/2020	26	32	84	5	16	0.7
95	2/27/2020	30	40	88	5	20	0.7
96	2/28/2020	36	41	75	6	32	0.8
97	2/29/2020	30	18	50	5	35	0.7
98	3/1/2020	19	12	74	4	22	0.4
99	3/2/2020	26	27	89	4	19	0.6
100	3/3/2020	26	31	76	5	30	0.3
101	3/4/2020	32	32	89	4	22	0.3
102	3/5/2020	25	28	89	6	20	0.3
103	3/6/2020	25	29	110	4	25	0.3
104	3/7/2020	67	44	101	5	35	0.6
105	3/8/2020	21	18	104	3	21	0.3
106	3/9/2020	14	9	78	4	34	0.4
107	3/10/2020	32	30	86	4	28	0.5
108	3/11/2020	66	58	107	5	46	0.6
109	3/12/2020	51	44	107	3	29	0.5
110	3/13/2020	23	22	81	3	30	0.5
111	3/14/2020	28	40	87	4	31	0.4
112	3/15/2020	61	62	94	6	56	0.5
113	3/16/2020	16	31	82	4	32	0.3
114	3/17/2020	33	52	114	7	59	0.4
115	3/18/2020	54	66	155	6	65	0.6
116	3/19/2020	37	65	84	7	46	0.5
117	3/20/2020	17	51	112	4	43	0.4
118	3/21/2020	38	60	127	12	58	0.6

119	3/22/2020	42	32	93	4	31	0.5
120	3/23/2020	15	25	86	3	35	0.4
121	3/24/2020	25	32	98	4	38	0.4
122	3/25/2020	20	34	114	4	32	0.4
123	3/26/2020	40	37	48	4	54	0.8
124	3/27/2020	18	27	78	4	22	0.6
125	3/28/2020	12	22	72	4	22	0.4
126	3/29/2020	12	26	71	4	26	0.4
127	3/30/2020	16	22	69	5	37	0.4
128	3/31/2020	20	26	81	4	36	0.2
129	4/1/2020	39	40	116	5	30	0.5
130	4/2/2020	19	40	101	5	31	0.4
131	4/3/2020	28	46	97	5	42	0.4
132	4/4/2020	48	66	136	6	48	0.6
133	4/5/2020	14	37	102	4	22	0.3
134	4/6/2020	15	34	82	4	34	0.4
135	4/7/2020	26	40	74	5	62	0.5
136	4/8/2020	26	44	109	6	64	0.5
137	4/9/2020	36	46	106	5	45	0.5
138	4/10/2020	24	39	112	4	29	0.4
139	4/11/2020	22	25	89	4	28	0.4
140	4/12/2020	52	48	114	6	33	0.6
141	4/13/2020	56	70	123	6	49	0.8
142	4/14/2020	60	63	155	6	54	0.6
143	4/15/2020	48	54	127	6	57	0.6
144	4/16/2020	36	48	148	6	47	0.6
145	4/17/2020	50	74	83	6	80	0.9
146	4/18/2020	42	55	113	5	54	0.8
147	4/19/2020	32	27	100	4	32	0.7
148	4/20/2020	50	42	151	4	44	0.8
149	4/21/2020	20	26	81	4	34	0.4
150	4/22/2020	22	40	113	4	37	0.4
151	4/23/2020	22	41	104	5	32	0.4
152	4/24/2020	38	58	147	6	45	0.5
153	4/25/2020	40	60	142	6	52	0.5
154	4/26/2020	32	60	111	5	32	0.5
155	4/27/2020	18	30	100	4	34	0.4
156	4/28/2020	20	31	103	6	48	0.4
157	4/29/2020	20	39	142	6	31	0.5
158	4/30/2020	38	60	183	8	45	0.7
159	5/1/2020	39	58	61	4	52	0.7
160	5/2/2020	28	37	133	4	30	0.6
161	5/3/2020	46	67	178	4	53	0.8
162	5/4/2020	59	50	134	3	56	0.7
163	5/5/2020	28	38	99	2	22	0.6
164	5/6/2020	22	26	60	3	26	0.5
165	5/7/2020	25	32	102	3	18	0.5
166	5/8/2020	18	25	69	3	21	0.5

167	5/9/2020	44	40	72	4	40	1
168	5/10/2020	73	64	83	4	42	0.9
169	5/11/2020	74	59	174	4	36	0.8
170	5/12/2020	26	54	135	5	34	0.5
171	5/13/2020	24	64	108	4	31	0.4
172	5/14/2020	20	66	127	4	22	0.5
173	5/15/2020	28	36	100	3	36	0.7
174	5/16/2020	66	40	72	3	60	0.9
175	5/17/2020	64	47	134	4	38	0.8
176	5/18/2020	34	59	142	4	40	0.7
177	5/19/2020	28	64	130	6	42	0.6
178	5/20/2020	35	64	167	6	44	0.6
179	5/21/2020	23	42	132	3	33	0.5
180	5/22/2020	20	32	120	3	33	0.4

Table S14. Jing'an District average pollutant concentrations: November 25th, 2019, to May 22nd, 2020.

No.	Date	PM _{2.5} Daily Average (µg/m ³)	PM ₁₀ Daily Average (µg/m ³)	O ₃ 8 h Average Daily Maximum (µg/m ³)	SO ₂ Daily Average (µg/m ³)	NO ₂ Daily Average (µg/m ³)	CO Daily Average (mg/m ³)
1	11/25/2019	12	33	58	4	30	0.4
2	11/26/2019	15	31	46	5	40	0.5
3	11/27/2019	17	22	51	4	38	0.4
4	11/28/2019	15	35	50	5	28	0.5
5	11/29/2019	17	35	44	5	41	0.6
6	11/30/2019	14	27	29	5	62	0.5
7	12/1/2019	26	23	40	4	38	0.8
8	12/2/2019	66	62	54	8	55	1.1
9	12/3/2019	85	84	58	11	89	1
10	12/4/2019	106	100	44	12	109	1.3
11	12/5/2019	54	58	68	9	64	0.7
12	12/6/2019	12	25	72	5	36	0.4
13	12/7/2019	38	53	70	9	70	0.7
14	12/8/2019	73	77	76	10	98	1
15	12/9/2019	84	81	76	10	102	0.9
16	12/10/2019	70	74	65	9	103	0.9
17	12/11/2019	107	111	82	9	89	1.2
18	12/12/2019	29	40	65	6	58	0.6
19	12/13/2019	30	51	65	6	72	0.7
20	12/14/2019	54	65	71	6	66	0.8
21	12/15/2019	16	31	58	5	45	0.5
22	12/16/2019	30	46	58	5	57	0.7
23	12/17/2019	70	65	13	6	62	1.1
24	12/18/2019	27	30	53	4	36	0.6
25	12/19/2019	26	34	37	6	49	0.6
26	12/20/2019	41	43	46	6	58	0.7
27	12/21/2019	28	25	54	5	58	0.6
28	12/22/2019	18	22	61	5	43	0.6

29	12/23/2019	33	32	64	5	54	0.7
30	12/24/2019	33	36	59	4	48	0.6
31	12/25/2019	25	32	26	5	70	0.6
32	12/26/2019	30	27	43	4	41	1
33	12/27/2019	68	66	52	8	66	1
34	12/28/2019	74	63	71	7	71	1
35	12/29/2019	39	43	34	6	65	0.7
36	12/30/2019	77	62	76	7	50	0.9
37	12/31/2019	16	32	55	5	28	0.5
38	1/1/2020	15	25	52	5	48	0.4
39	1/2/2020	24	39	38	6	65	0.6
40	1/3/2020	38	38	28	6	57	0.6
41	1/4/2020	65	49	54	5	52	0.7
42	1/5/2020	40	38	53	5	53	0.6
43	1/6/2020	22	30	60	6	47	0.6
44	1/7/2020	34	30	24	6	55	1.2
45	1/8/2020	40	39	44	5	44	1
46	1/9/2020	32	31	46	6	47	0.7
47	1/10/2020	14	20	44	4	42	0.4
48	1/11/2020	30	22	55	5	41	0.6
49	1/12/2020	114	86	58	10	58	1.4
50	1/13/2020	125	87	49	8	70	1.2
51	1/14/2020	118	86	61	8	63	1.2
52	1/15/2020	35	29	54	5	50	0.6
53	1/16/2020	9	10	56	4	36	0.4
54	1/17/2020	39	33	53	5	37	0.7
55	1/18/2020	66	50	55	6	38	0.9
56	1/19/2020	81	61	65	6	53	1
57	1/20/2020	124	102	100	9	68	1.3
58	1/21/2020	96	66	104	6	58	0.9
59	1/22/2020	75	45	65	4	47	1
60	1/23/2020	31	20	61	4	33	0.6
61	1/24/2020	42	52	92	4	26	0.6
62	1/25/2020	11	14	66	4	20	0.4
63	1/26/2020	12	19	73	4	19	0.4
64	1/27/2020	21	22	76	3	18	0.6
65	1/28/2020	80	65	59	5	24	1
66	1/29/2020	64	53	95	7	21	0.9
67	1/30/2020	67	56	92	7	21	1
68	1/31/2020	46	38	85	7	29	0.8
69	2/1/2020	27	25	68	7	53	0.7
70	2/2/2020	29	22	92	6	31	0.6
71	2/3/2020	57	42	97	5	37	0.7
72	2/4/2020	17	21	85	5	29	0.5
73	2/5/2020	25	30	85	5	32	0.5
74	2/6/2020	14	20	74	4	17	0.4
75	2/7/2020	20	24	77	4	18	0.5
76	2/8/2020	35	35	77	4	21	0.6

77	2/9/2020	75	63	91	5	27	0.9
78	2/10/2020	43	39	94	6	32	0.7
79	2/11/2020	24	20	87	5	24	0.6
80	2/12/2020	48	36	65	5	41	1
81	2/13/2020	51	29	65	5	28	0.9
82	2/14/2020	17	10	63	4	30	0.7
83	2/15/2020	12	8	47	4	23	0.8
84	2/16/2020	24	35	76	5	15	0.8
85	2/17/2020	16	26	79	6	19	0.7
86	2/18/2020	19	22	73	8	30	0.9
87	2/19/2020	14	18	97	5	24	0.6
88	2/20/2020	16	19	79	5	37	0.6
89	2/21/2020	25	27	81	5	31	0.7
90	2/22/2020	65	88	102	7	32	0.9
91	2/23/2020	27	53	97	5	26	0.7
92	2/24/2020	37	67	112	6	27	0.8
93	2/25/2020	47	54	77	6	34	1.1
94	2/26/2020	24	34	83	4	19	0.7
95	2/27/2020	26	42	84	4	22	0.7
96	2/28/2020	31	40	73	4	36	0.8
97	2/29/2020	22	16	58	4	36	0.6
98	3/1/2020	15	13	73	4	24	0.5
99	3/2/2020	24	28	90	5	22	0.7
100	3/3/2020	22	33	76	5	34	0.5
101	3/4/2020	28	33	90	4	23	0.4
102	3/5/2020	22	29	91	5	21	0.4
103	3/6/2020	21	31	110	6	24	0.5
104	3/7/2020	60	45	104	6	35	0.6
105	3/8/2020	18	19	101	5	21	0.4
106	3/9/2020	10	7	80	4	29	0.5
107	3/10/2020	29	29	91	4	26	0.6
108	3/11/2020	61	59	105	6	46	0.8
109	3/12/2020	47	45	107	6	28	0.6
110	3/13/2020	22	22	83	5	30	0.5
111	3/14/2020	24	44	86	6	32	0.5
112	3/15/2020	43	69	101	7	51	0.6
113	3/16/2020	15	34	81	6	28	0.5
114	3/17/2020	29	54	115	9	49	0.5
115	3/18/2020	51	71	156	10	49	0.6
116	3/19/2020	35	71	82	12	38	0.5
117	3/20/2020	16	58	109	8	34	0.4
118	3/21/2020	35	62	126	16	46	0.7
119	3/22/2020	38	33	100	5	25	0.6
120	3/23/2020	14	28	84	6	36	0.4
121	3/24/2020	24	32	100	6	40	0.5
122	3/25/2020	16	38	115	5	29	0.5
123	3/26/2020	35	39	50	8	56	0.9
124	3/27/2020	13	32	82	4	19	0.5

125	3/28/2020	7	24	74	4	20	0.4
126	3/29/2020	8	28	72	5	27	0.4
127	3/30/2020	14	23	71	5	38	0.5
128	3/31/2020	16	27	80	4	37	0.4
129	4/1/2020	38	41	118	6	28	0.6
130	4/2/2020	17	43	98	6	32	0.4
131	4/3/2020	28	46	100	6	39	0.4
132	4/4/2020	48	70	139	7	50	0.6
133	4/5/2020	13	38	105	5	16	0.3
134	4/6/2020	16	38	81	5	33	0.4
135	4/7/2020	26	45	81	6	59	0.5
136	4/8/2020	27	47	109	6	60	0.6
137	4/9/2020	35	52	104	6	41	0.5
138	4/10/2020	24	44	100	4	26	0.5
139	4/11/2020	21	27	92	4	24	0.5
140	4/12/2020	52	54	115	6	29	0.7
141	4/13/2020	55	78	127	7	48	0.8
142	4/14/2020	59	72	151	7	50	0.7
143	4/15/2020	51	68	133	7	59	0.7
144	4/16/2020	35	56	152	9	40	0.6
145	4/17/2020	53	98	83	8	78	1
146	4/18/2020	42	66	114	5	43	0.8
147	4/19/2020	32	26	102	4	26	0.7
148	4/20/2020	52	46	152	5	43	0.9
149	4/21/2020	20	27	84	4	30	0.4
150	4/22/2020	24	46	116	5	34	0.4
151	4/23/2020	22	48	105	5	28	0.4
152	4/24/2020	37	68	146	8	43	0.6
153	4/25/2020	38	66	139	7	40	0.6
154	4/26/2020	30	67	104	5	28	0.5
155	4/27/2020	17	35	94	4	29	0.4
156	4/28/2020	20	33	103	5	40	0.4
157	4/29/2020	21	44	138	5	29	0.5
158	4/30/2020	36	64	186	6	40	0.7
159	5/1/2020	38	56	69	5	45	0.7
160	5/2/2020	29	36	142	5	25	0.5
161	5/3/2020	51	70	184	5	42	0.7
162	5/4/2020	60	43	118	5	50	0.6
163	5/5/2020	27	24	96	3	26	0.5
164	5/6/2020	21	26	65	3	29	0.5
165	5/7/2020	26	35	101	3	25	0.4
166	5/8/2020	17	27	71	3	22	0.4
167	5/9/2020	44	39	77	3	40	0.8
168	5/10/2020	79	65	94	4	45	0.8
169	5/11/2020	80	61	176	4	41	0.8
170	5/12/2020	29	59	143	6	39	0.5
171	5/13/2020	23	69	108	4	37	0.4
172	5/14/2020	18	72	129	4	25	0.4

173	5/15/2020	28	36	101	3	40	0.6
174	5/16/2020	69	40	81	4	66	0.8
175	5/17/2020	66	44	140	5	39	0.7
176	5/18/2020	33	63	144	5	36	0.6
177	5/19/2020	27	64	134	6	40	0.6
178	5/20/2020	35	60	172	7	40	0.5
179	5/21/2020	18	41	129	3	27	0.4
180	5/22/2020	17	32	122	3	27	0.4

Table S15. Minhang District average pollutant concentrations: November 25th, 2019, to May 22nd, 2020.

No.	Date	PM _{2.5} Daily Average ($\mu\text{g}/\text{m}^3$)	PM ₁₀ Daily Average ($\mu\text{g}/\text{m}^3$)	O ₃ 8 h Average Daily Maximum ($\mu\text{g}/\text{m}^3$)	SO ₂ Daily Average ($\mu\text{g}/\text{m}^3$)	NO ₂ Daily Average ($\mu\text{g}/\text{m}^3$)	CO Daily Average (mg/m^3)
1	11/25/2019	14	33	56	5	27	0.5
2	11/26/2019	18	34	33	6	48	0.6
3	11/27/2019	19	23	40	5	42	0.6
4	11/28/2019	17	36	55	6	29	0.5
5	11/29/2019	19	38	39	6	49	0.5
6	11/30/2019	16	29	27	5	64	0.5
7	12/1/2019	27	24	34	6	40	0.8
8	12/2/2019	70	67	52	10	58	1
9	12/3/2019	91	93	64	14	91	1.1
10	12/4/2019	112	105	46	15	107	1.3
11	12/5/2019	62	62	57	11	73	0.9
12	12/6/2019	17	23	68	7	37	0.4
13	12/7/2019	42	52	72	10	74	0.7
14	12/8/2019	85	92	67	12	100	1.1
15	12/9/2019	88	81	74	10	94	0.8
16	12/10/2019	80	80	92	10	98	0.8
17	12/11/2019	117	119	70	13	95	1.1
18	12/12/2019	35	49	65	10	68	0.7
19	12/13/2019	37	62	79	9	70	0.6
20	12/14/2019	60	73	70	9	65	0.8
21	12/15/2019	19	35	67	7	45	0.4
22	12/16/2019	33	46	64	6	55	0.5
23	12/17/2019	70	62	16	8	60	1.3
24	12/18/2019	28	32	43	5	39	0.7
25	12/19/2019	28	34	33	6	50	0.7
26	12/20/2019	41	46	44	8	67	0.8
27	12/21/2019	28	27	52	7	54	0.6
28	12/22/2019	20	27	53	6	52	0.8
29	12/23/2019	32	34	63	6	51	0.8
30	12/24/2019	28	34	60	5	44	0.7
31	12/25/2019	23	31	32	6	63	0.6
32	12/26/2019	30	28	41	6	43	1
33	12/27/2019	68	72	52	10	68	1

34	12/28/2019	69	71	80	10	64	1
35	12/29/2019	35	42	39	7	58	0.7
36	12/30/2019	70	61	80	9	53	1
37	12/31/2019	17	33	52	7	30	0.5
38	1/1/2020	17	30	66	7	49	0.5
39	1/2/2020	26	44	33	7	67	0.7
40	1/3/2020	42	50	22	8	61	0.8
41	1/4/2020	55	45	45	7	55	0.8
42	1/5/2020	38	40	64	7	44	0.7
43	1/6/2020	20	28	77	6	39	0.5
44	1/7/2020	32	30	26	7	50	1
45	1/8/2020	42	43	34	7	48	1
46	1/9/2020	33	33	40	8	52	0.8
47	1/10/2020	14	17	46	5	39	0.5
48	1/11/2020	27	21	51	6	43	0.6
49	1/12/2020	103	83	63	10	54	1.2
50	1/13/2020	110	91	72	9	61	1.4
51	1/14/2020	117	93	61	10	68	1.4
52	1/15/2020	36	27	58	7	54	0.8
53	1/16/2020	9	8	64	5	34	0.5
54	1/17/2020	40	34	52	6	38	0.8
55	1/18/2020	63	51	46	7	37	1
56	1/19/2020	83	62	67	7	46	1
57	1/20/2020	114	101	106	9	66	1.3
58	1/21/2020	99	70	110	7	52	1
59	1/22/2020	67	45	75	6	45	1.2
60	1/23/2020	33	22	63	5	33	0.7
61	1/24/2020	42	53	97	6	21	0.7
62	1/25/2020	14	15	70	5	18	0.5
63	1/26/2020	16	19	77	5	14	0.5
64	1/27/2020	22	22	83	4	13	0.6
65	1/28/2020	71	63	66	6	16	1.1
66	1/29/2020	63	57	98	9	16	0.8
67	1/30/2020	71	64	96	9	19	1
68	1/31/2020	57	51	91	10	32	1
69	2/1/2020	28	25	94	7	33	0.6
70	2/2/2020	34	26	105	7	27	0.6
71	2/3/2020	61	46	111	7	33	0.7
72	2/4/2020	21	24	94	6	26	0.5
73	2/5/2020	26	31	96	6	28	0.5
74	2/6/2020	16	21	77	5	13	0.4
75	2/7/2020	20	24	82	5	15	0.5
76	2/8/2020	34	34	82	6	20	0.6
77	2/9/2020	70	64	100	6	25	0.9
78	2/10/2020	45	41	110	8	25	0.6
79	2/11/2020	25	21	93	6	19	0.5
80	2/12/2020	42	32	73	5	32	0.7
81	2/13/2020	50	31	72	6	24	0.7

82	2/14/2020	20	15	69	5	24	0.5
83	2/15/2020	13	8	46	4	20	0.6
84	2/16/2020	26	36	84	6	13	0.5
85	2/17/2020	18	27	89	6	16	0.5
86	2/18/2020	24	25	81	7	29	0.6
87	2/19/2020	18	21	104	6	26	0.4
88	2/20/2020	20	21	93	6	32	0.4
89	2/21/2020	29	27	89	6	27	0.5
90	2/22/2020	71	90	115	8	28	0.7
91	2/23/2020	39	57	105	6	26	0.5
92	2/24/2020	39	68	123	6	23	0.6
93	2/25/2020	47	52	104	6	30	0.8
94	2/26/2020	28	32	80	5	21	0.6
95	2/27/2020	29	45	95	6	20	0.6
96	2/28/2020	33	42	78	5	31	0.7
97	2/29/2020	29	21	51	5	40	0.8
98	3/1/2020	20	16	72	5	26	0.6
99	3/2/2020	24	28	94	5	20	0.7
100	3/3/2020	22	33	77	5	29	0.5
101	3/4/2020	32	37	93	6	28	0.5
102	3/5/2020	24	31	102	7	23	0.4
103	3/6/2020	22	33	117	6	25	0.4
104	3/7/2020	61	46	93	6	34	0.7
105	3/8/2020	23	21	106	5	23	0.4
106	3/9/2020	14	9	83	5	29	0.5
107	3/10/2020	32	31	100	5	28	0.6
108	3/11/2020	64	59	119	6	48	0.7
109	3/12/2020	45	46	107	5	24	0.6
110	3/13/2020	24	27	80	4	31	0.5
111	3/14/2020	25	46	90	5	31	0.4
112	3/15/2020	40	67	114	9	56	0.5
113	3/16/2020	16	37	91	10	27	0.3
114	3/17/2020	30	54	134	7	38	0.4
115	3/18/2020	50	69	166	7	49	0.6
116	3/19/2020	36	72	93	6	41	0.5
117	3/20/2020	15	56	114	6	33	0.4
118	3/21/2020	34	60	142	8	39	0.6
119	3/22/2020	41	36	104	6	30	0.6
120	3/23/2020	13	30	93	6	36	0.4
121	3/24/2020	26	38	113	9	42	0.5
122	3/25/2020	18	36	123	5	22	0.5
123	3/26/2020	34	40	48	4	48	0.8
124	3/27/2020	16	34	80	4	22	0.5
125	3/28/2020	10	26	73	4	23	0.5
126	3/29/2020	10	29	66	6	29	0.5
127	3/30/2020	14	22	76	4	35	0.5
128	3/31/2020	18	31	86	4	41	0.5
129	4/1/2020	38	44	119	5	34	0.6

130	4/2/2020	18	46	106	4	36	0.4
131	4/3/2020	27	51	108	5	36	0.4
132	4/4/2020	48	75	148	7	52	0.7
133	4/5/2020	16	42	109	5	22	0.4
134	4/6/2020	17	41	87	5	33	0.4
135	4/7/2020	28	45	79	6	61	0.6
136	4/8/2020	32	48	140	8	58	0.5
137	4/9/2020	45	61	155	6	41	0.6
138	4/10/2020	25	44	126	5	25	0.5
139	4/11/2020	23	27	92	4	27	0.5
140	4/12/2020	50	55	129	7	31	0.7
141	4/13/2020	55	78	145	7	51	0.9
142	4/14/2020	60	74	181	7	50	0.7
143	4/15/2020	47	63	143	7	50	0.7
144	4/16/2020	37	56	173	6	39	0.7
145	4/17/2020	52	91	91	7	69	0.9
146	4/18/2020	44	78	121	6	47	0.9
147	4/19/2020	33	29	111	5	23	0.9
148	4/20/2020	48	42	168	6	38	0.9
149	4/21/2020	25	29	88	4	33	0.5
150	4/22/2020	25	44	136	6	39	0.5
151	4/23/2020	23	47	118	7	27	0.5
152	4/24/2020	41	67	150	9	47	0.6
153	4/25/2020	44	67	162	8	43	0.6
154	4/26/2020	37	71	122	6	29	0.6
155	4/27/2020	20	35	102	5	30	0.4
156	4/28/2020	22	35	119	5	40	0.4
157	4/29/2020	20	40	153	5	23	0.5
158	4/30/2020	34	57	185	6	31	0.6
159	5/1/2020	38	58	71	6	37	0.6
160	5/2/2020	28	35	142	5	18	0.6
161	5/3/2020	47	68	184	6	35	0.8
162	5/4/2020	62	49	132	6	43	0.7
163	5/5/2020	30	25	106	6	22	0.6
164	5/6/2020	27	30	69	5	29	0.7
165	5/7/2020	29	37	113	6	21	0.5
166	5/8/2020	17	24	77	4	15	0.5
167	5/9/2020	43	41	80	5	36	0.9
168	5/10/2020	72	56	93	5	36	0.8
169	5/11/2020	86	67	188	7	34	0.8
170	5/12/2020	29	62	154	8	39	0.6
171	5/13/2020	20	83	119	6	33	0.4
172	5/14/2020	22	70	128	5	16	0.4
173	5/15/2020	31	39	125	5	33	0.6
174	5/16/2020	60	39	88	4	52	0.8
175	5/17/2020	78	49	158	5	34	0.7
176	5/18/2020	38	64	173	7	32	0.6
177	5/19/2020	31	77	158	7	44	0.5

178	5/20/2020	39	66	193	7	34	0.5
179	5/21/2020	24	46	145	5	20	0.4
180	5/22/2020	18	36	130	6	24	0.4

Table S16. Putuo District average pollutant concentrations: November 25th, 2019, to May 22nd, 2020.

No.	Date	PM _{2.5} Daily Average (µg/m ³)	PM ₁₀ Daily Average (µg/m ³)	O ₃ 8 h Average Daily Maximum (µg/m ³)	SO ₂ Daily Average (µg/m ³)	NO ₂ Daily Average (µg/m ³)	CO Daily Average (mg/m ³)
1	11/25/2019	12	32	58	6	28	0.3
2	11/26/2019	16	34	38	7	52	0.4
3	11/27/2019	16	22	46	6	42	0.4
4	11/28/2019	14	34	57	6	31	0.3
5	11/29/2019	18	36	36	6	50	0.4
6	11/30/2019	19	29	11	7	69	0.5
7	12/1/2019	26	22	34	6	43	0.7
8	12/2/2019	64	62	55	10	65	0.9
9	12/3/2019	87	92	61	13	99	1
10	12/4/2019	112	110	44	15	119	1.5
11	12/5/2019	62	64	55	12	74	0.9
12	12/6/2019	13	24	73	8	38	0.4
13	12/7/2019	41	55	78	11	72	0.7
14	12/8/2019	78	86	81	14	97	1.1
15	12/9/2019	86	85	62	13	105	0.9
16	12/10/2019	75	82	57	10	116	0.9
17	12/11/2019	112	121	72	12	104	1.2
18	12/12/2019	37	55	72	8	69	0.8
19	12/13/2019	31	64	69	8	78	0.6
20	12/14/2019	57	78	63	9	73	0.8
21	12/15/2019	20	36	56	8	48	0.3
22	12/16/2019	31	50	62	6	61	0.6
23	12/17/2019	78	62	13	8	63	1.1
24	12/18/2019	27	41	51	6	39	0.5
25	12/19/2019	30	39	34	6	50	0.4
26	12/20/2019	44	50	40	9	68	0.7
27	12/21/2019	32	30	40	6	67	0.6
28	12/22/2019	20	28	58	7	48	0.6
29	12/23/2019	33	35	60	7	58	0.6
30	12/24/2019	32	40	56	7	53	0.6
31	12/25/2019	26	37	17	6	76	0.7
32	12/26/2019	32	27	41	6	44	0.9
33	12/27/2019	69	78	52	11	74	1
34	12/28/2019	73	77	68	10	80	1.1
35	12/29/2019	42	45	23	7	68	0.6
36	12/30/2019	80	62	77	7	57	0.8
37	12/31/2019	16	31	52	5	28	0.3
38	1/1/2020	18	39	46	7	58	0.4
39	1/2/2020	25	44	30	8	66	0.5

40	1/3/2020	40	43	20	9	59	0.6
41	1/4/2020	66	57	32	6	74	0.7
42	1/5/2020	40	42	60	6	54	0.6
43	1/6/2020	23	38	59	6	52	0.6
44	1/7/2020	34	33	24	6	53	1.2
45	1/8/2020	42	44	36	6	48	1
46	1/9/2020	34	36	45	7	52	0.8
47	1/10/2020	16	21	30	5	53	0.4
48	1/11/2020	33	25	42	6	45	0.5
49	1/13/2020	128	97	46	9	94	1.2
50	1/14/2020	124	99	59	10	74	1.3
51	1/15/2020	39	41	44	6	62	0.6
52	1/16/2020	10	13	46	5	33	0.4
53	1/17/2020	42	37	48	6	35	0.6
54	1/18/2020	68	53	49	7	40	0.8
55	1/19/2020	81	64	64	7	58	0.9
56	1/20/2020	126	108	103	10	86	1.2
57	1/21/2020	100	73	103	7	76	1.1
58	1/22/2020	77	46	54	5	51	1
59	1/23/2020	30	21	59	4	27	0.6
60	1/24/2020	43	54	93	5	15	0.6
61	1/25/2020	13	17	68	5	10	0.4
62	1/26/2020	11	20	71	5	8	0.4
63	1/27/2020	21	23	81	5	6	0.5
64	1/28/2020	79	67	62	6	20	0.9
65	1/29/2020	64	56	102	8	15	0.8
66	1/30/2020	67	59	98	9	18	0.9
67	1/31/2020	52	46	88	9	37	0.8
68	2/1/2020	33	31	70	9	55	0.7
69	2/2/2020	32	27	93	7	41	0.5
70	2/3/2020	65	48	93	7	37	0.7
71	2/4/2020	21	25	86	6	34	0.4
72	2/5/2020	26	31	86	6	28	0.4
73	2/6/2020	14	20	71	5	9	0.3
74	2/7/2020	19	24	71	6	12	0.4
75	2/8/2020	37	37	77	6	22	0.5
76	2/9/2020	75	66	92	7	42	0.7
77	2/10/2020	47	41	99	9	44	0.5
78	2/11/2020	25	21	84	6	25	0.4
79	2/12/2020	45	38	75	7	44	0.8
80	2/13/2020	49	28	59	6	38	0.7
81	2/14/2020	18	12	60	5	33	0.5
82	2/15/2020	16	11	49	5	25	0.6
83	2/16/2020	23	34	81	6	15	0.5
84	2/17/2020	15	26	86	8	18	0.4
85	2/18/2020	20	24	82	8	33	0.5
86	2/19/2020	16	21	99	7	29	0.3
87	2/20/2020	16	22	77	6	41	0.3

88	2/21/2020	25	29	79	7	32	0.4
89	2/22/2020	64	91	107	10	40	0.6
90	2/23/2020	32	59	103	7	35	0.4
91	2/24/2020	40	68	114	10	30	0.6
92	2/25/2020	46	51	77	8	37	0.6
93	2/26/2020	29	42	72	7	29	0.7
94	2/27/2020	26	43	83	7	24	0.4
95	2/28/2020	31	41	72	7	39	0.5
96	2/29/2020	23	15	63	6	35	0.5
97	3/1/2020	14	14	74	4	24	0.5
98	3/2/2020	22	30	88	4	23	0.7
99	3/3/2020	23	35	75	7	38	0.4
100	3/4/2020	31	38	79	8	36	0.6
101	3/5/2020	23	32	93	8	28	0.4
102	3/6/2020	20	34	109	6	23	0.4
103	3/7/2020	62	51	97	6	46	0.6
104	3/8/2020	18	21	100	4	25	0.4
105	3/9/2020	11	7	64	6	30	0.4
106	3/10/2020	31	31	87	7	25	0.5
107	3/11/2020	60	69	101	8	59	0.7
108	3/12/2020	45	51	104	6	30	0.6
109	3/13/2020	24	28	76	4	36	0.5
110	3/14/2020	24	50	86	5	36	0.4
111	3/15/2020	47	76	104	8	59	0.6
112	3/16/2020	14	38	83	5	26	0.3
113	3/17/2020	30	64	114	10	48	0.4
114	3/18/2020	53	79	158	14	56	0.5
115	3/19/2020	33	74	85	8	41	0.4
116	3/20/2020	16	64	104	16	32	0.3
117	3/21/2020	34	65	128	12	44	0.5
118	3/22/2020	45	47	87	8	32	0.7
119	3/23/2020	12	32	84	5	38	0.3
120	3/24/2020	26	38	99	7	46	0.3
121	3/25/2020	16	38	105	8	23	0.3
122	3/26/2020	36	42	42	10	58	0.8
123	3/27/2020	12	33	81	5	10	0.3
124	3/28/2020	9	26	69	5	18	0.4
125	3/29/2020	9	30	67	4	27	0.3
126	3/30/2020	14	24	69	4	40	0.4
127	3/31/2020	17	29	71	5	47	0.3
128	4/1/2020	38	45	116	5	30	0.5
129	4/2/2020	17	47	96	5	36	0.4
130	4/3/2020	30	53	99	7	46	0.4
131	4/4/2020	52	77	134	10	51	0.6
132	4/5/2020	14	42	96	8	18	0.5
133	4/6/2020	18	45	72	6	42	0.3
134	4/7/2020	29	50	80	9	59	0.5
135	4/8/2020	31	50	111	9	60	0.5

136	4/9/2020	39	60	107	7	45	0.4
137	4/10/2020	27	46	96	6	23	0.3
138	4/11/2020	21	26	84	6	19	0.4
139	4/12/2020	51	54	121	8	26	0.6
140	4/13/2020	57	81	131	10	50	0.8
141	4/14/2020	62	76	155	11	63	0.6
142	4/15/2020	49	72	128	10	68	0.6
143	4/16/2020	34	58	140	9	36	0.5
144	4/17/2020	57	100	65	9	65	0.8
145	4/18/2020	45	72	99	8	42	0.7
146	4/19/2020	31	29	95	5	22	0.6
147	4/20/2020	57	51	154	7	43	0.8
148	4/21/2020	20	29	66	5	37	0.3
149	4/22/2020	28	54	115	7	49	0.5
150	4/23/2020	19	48	114	8	28	0.4
151	4/24/2020	39	69	148	10	53	0.5
152	4/25/2020	43	71	139	10	56	0.5
153	4/26/2020	32	70	94	8	28	0.4
154	4/27/2020	17	40	90	6	33	0.3
155	4/28/2020	22	38	103	7	42	0.3
156	4/29/2020	22	45	134	9	23	0.3
157	4/30/2020	36	66	189	10	39	0.5
158	5/1/2020	38	54	66	7	40	0.5
159	5/2/2020	30	38	131	6	21	0.4
160	5/3/2020	54	78	153	6	53	0.6
161	5/4/2020	63	51	103	5	58	0.5
162	5/5/2020	29	28	83	2	32	0.4
163	5/6/2020	25	33	59	3	32	0.5
164	5/7/2020	26	40	94	2	26	0.3
165	5/8/2020	17	30	64	2	23	0.3
166	5/9/2020	43	40	63	4	43	0.7
167	5/10/2020	74	68	104	6	48	0.8
168	5/11/2020	76	65	167	6	42	0.7
169	5/12/2020	24	61	149	8	34	0.4
170	5/13/2020	17	76	113	6	42	0.3
171	5/14/2020	20	76	127	7	21	0.3
172	5/15/2020	28	37	85	6	44	0.5
173	5/16/2020	72	48	73	7	76	0.9
174	5/17/2020	69	51	134	7	54	0.6
175	5/18/2020	33	57	146	6	34	0.5
176	5/19/2020	23	71	138	6	47	0.5
177	5/20/2020	32	67	177	7	42	0.4
178	5/21/2020	17	52	119	5	25	0.3
179	5/22/2020	17	38	139	4	27	0.6

Table S17. Xuhui District average pollutant concentrations: November 25th, 2019, to May 22nd, 2020.

No.	Date	PM _{2.5} Daily Average	PM ₁₀ Daily Average	O ₃ 8 h Average Daily	SO ₂ Daily Average	NO ₂ Daily Average	CO Daily Average
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		(µg/m³)	(µg/m³)	Maximum (µg/m³)	(µg/m³)	(µg/m³)	(mg/m³)
1	11/25/2019	13	32	57	5	28	0.5
2	11/26/2019	16	30	32	4	46	0.6
3	11/27/2019	17	19	36	5	44	0.6
4	11/28/2019	16	34	48	4	30	0.7
5	11/29/2019	18	37	33	5	48	0.7
6	11/30/2019	14	30	22	4	66	0.6
7	12/1/2019	24	21	34	4	40	0.8
8	12/2/2019	64	62	50	8	54	1
9	12/3/2019	84	87	56	11	86	1
10	12/4/2019	106	104	42	12	108	1.4
11	12/5/2019	54	59	54	8	74	0.8
12	12/6/2019	13	22	67	6	39	0.4
13	12/7/2019	37	50	69	10	67	0.7
14	12/8/2019	65	86	75	10	101	1
15	12/9/2019	70	86	63	9	109	0.8
16	12/10/2019	71	84	60	8	120	0.9
17	12/11/2019	106	124	72	10	99	1.2
18	12/12/2019	29	52	59	6	65	0.7
19	12/13/2019	30	66	60	6	86	0.7
20	12/14/2019	56	84	56	6	80	0.9
21	12/15/2019	16	35	55	6	49	0.5
22	12/16/2019	30	55	42	4	70	0.7
23	12/17/2019	70	63	13	7	63	1.2
24	12/18/2019	26	28	44	5	39	0.6
25	12/19/2019	26	32	31	4	48	0.6
26	12/20/2019	40	45	37	6	63	0.8
27	12/21/2019	26	26	46	4	62	0.6
28	12/22/2019	20	22	50	5	53	0.8
29	12/23/2019	34	36	51	5	59	0.8
30	12/24/2019	32	39	49	5	55	0.7
31	12/25/2019	23	36	24	4	70	0.6
32	12/26/2019	30	26	40	4	44	1
33	12/27/2019	67	67	51	8	64	0.9
34	12/28/2019	70	80	62	7	76	0.9
35	12/29/2019	35	41	24	6	69	0.7
36	12/30/2019	69	64	72	7	55	1
37	12/31/2019	16	34	48	4	33	0.5
38	1/1/2020	14	28	54	4	48	0.4
39	1/2/2020	24	39	21	6	72	0.6
40	1/3/2020	42	45	16	6	64	0.8
41	1/4/2020	58	50	33	4	64	0.8
42	1/5/2020	42	41	60	6	53	0.7
43	1/6/2020	20	36	56	5	58	0.6
44	1/7/2020	34	33	13	7	58	1.1
45	1/8/2020	41	42	36	6	45	1.1
46	1/9/2020	32	33	38	7	53	0.8

47	1/10/2020	14	20	31	4	43	0.4
48	1/11/2020	30	21	47	6	45	0.7
49	1/12/2020	110	84	58	10	56	1.3
50	1/13/2020	122	97	56	8	76	1.2
51	1/14/2020	119	89	60	10	64	1.2
52	1/15/2020	35	32	46	6	63	0.6
53	1/16/2020	8	8	50	4	48	0.4
54	1/17/2020	37	32	49	5	42	0.7
55	1/18/2020	62	50	48	6	42	0.8
56	1/19/2020	77	62	65	6	52	0.9
57	1/20/2020	117	103	102	9	72	1.3
58	1/21/2020	98	69	104	6	61	0.9
59	1/22/2020	75	42	68	5	58	1.1
60	1/23/2020	30	23	54	4	40	0.7
61	1/24/2020	40	52	90	5	26	0.6
62	1/25/2020	10	14	66	4	20	0.4
63	1/26/2020	13	18	74	4	19	0.4
64	1/27/2020	20	22	78	4	16	0.6
65	1/28/2020	74	65	64	5	20	0.9
66	1/29/2020	62	56	102	8	18	0.8
67	1/30/2020	68	60	99	8	20	1
68	1/31/2020	50	44	88	8	30	0.9
69	2/1/2020	26	24	82	8	42	0.6
70	2/2/2020	30	23	98	6	33	0.6
71	2/3/2020	57	45	102	6	40	0.7
72	2/4/2020	18	23	90	5	31	0.4
73	2/5/2020	24	32	87	5	32	0.4
74	2/6/2020	14	21	75	4	16	0.3
75	2/7/2020	20	22	74	4	20	0.4
76	2/8/2020	34	33	79	4	20	0.5
77	2/9/2020	72	64	96	5	27	0.8
78	2/10/2020	44	40	101	6	32	0.6
79	2/11/2020	23	19	86	5	25	0.5
80	2/12/2020	41	32	72	5	36	0.7
81	2/13/2020	50	30	67	5	26	0.7
82	2/14/2020	16	10	64	4	29	0.5
83	2/15/2020	10	4	46	4	20	0.6
84	2/16/2020	23	34	78	6	10	0.5
85	2/17/2020	16	26	84	6	13	0.5
86	2/18/2020	19	23	74	8	27	0.6
87	2/19/2020	15	18	102	5	24	0.3
88	2/20/2020	16	20	83	5	35	0.3
89	2/21/2020	24	26	83	6	29	0.4
90	2/22/2020	63	89	108	8	30	0.7
91	2/23/2020	28	56	102	6	26	0.4
92	2/24/2020	36	66	116	6	28	0.5
93	2/25/2020	45	57	86	6	40	0.7
94	2/26/2020	24	32	77	4	20	0.4

95	2/27/2020	25	44	90	5	21	0.4
96	2/28/2020	30	40	70	4	32	0.5
97	2/29/2020	24	16	51	4	38	0.6
98	3/1/2020	20	13	71	5	25	0.5
99	3/2/2020	25	28	86	5	22	0.6
100	3/3/2020	21	32	71	5	30	0.4
101	3/4/2020	28	34	88	5	26	0.4
102	3/5/2020	22	30	95	6	23	0.4
103	3/6/2020	23	30	114	6	25	0.4
104	3/7/2020	63	45	98	7	37	0.6
105	3/8/2020	22	19	104	5	25	0.4
106	3/9/2020	11	6	78	4	34	0.5
107	3/10/2020	30	28	96	4	26	0.6
108	3/11/2020	61	58	109	6	46	0.7
109	3/12/2020	52	47	103	7	33	0.6
110	3/13/2020	28	24	77	5	37	0.5
111	3/14/2020	29	44	89	6	30	0.5
112	3/15/2020	47	64	110	7	47	0.6
113	3/16/2020	20	37	84	6	31	0.5
114	3/17/2020	30	55	128	10	54	0.5
115	3/18/2020	47	74	160	14	66	0.6
116	3/19/2020	34	76	81	10	44	0.5
117	3/20/2020	14	59	107	18	40	0.4
118	3/21/2020	34	64	124	20	56	0.6
119	3/22/2020	38	38	92	5	34	0.6
120	3/23/2020	12	27	84	5	39	0.4
121	3/24/2020	24	36	104	6	44	0.4
122	3/25/2020	16	38	112	6	32	0.4
123	3/26/2020	31	40	37	10	57	0.7
124	3/27/2020	13	32	76	4	26	0.5
125	3/28/2020	6	22	69	4	22	0.4
126	3/29/2020	9	28	63	4	32	0.5
127	3/30/2020	13	21	63	4	43	0.5
128	3/31/2020	15	28	74	4	50	0.4
129	4/1/2020	36	40	111	6	34	0.5
130	4/2/2020	16	44	99	5	36	0.4
131	4/3/2020	26	48	100	5	48	0.4
132	4/4/2020	45	74	137	7	57	0.6
133	4/5/2020	12	41	103	5	26	0.4
134	4/6/2020	14	40	83	5	40	0.4
135	4/7/2020	25	44	73	6	68	0.5
136	4/8/2020	26	50	123	6	64	0.5
137	4/9/2020	36	58	128	6	46	0.5
138	4/10/2020	22	47	115	4	30	0.4
139	4/11/2020	20	29	90	4	34	0.4
140	4/12/2020	48	52	126	6	30	0.6
141	4/13/2020	50	76	136	7	48	0.8
142	4/14/2020	56	73	160	7	62	0.6

143	4/15/2020	44	66	136	8	64	0.6
144	4/16/2020	34	58	155	7	55	0.6
145	4/17/2020	45	88	74	7	78	0.8
146	4/18/2020	40	82	118	6	56	0.7
147	4/19/2020	28	28	104	4	29	0.7
148	4/20/2020	45	41	152	6	43	0.8
149	4/21/2020	18	28	74	4	44	0.4
150	4/22/2020	21	46	122	6	44	0.4
151	4/23/2020	20	50	106	6	38	0.4
152	4/24/2020	35	68	153	8	51	0.5
153	4/25/2020	38	68	152	7	44	0.5
154	4/26/2020	30	72	112	6	37	0.5
155	4/27/2020	16	36	90	4	40	0.4
156	4/28/2020	19	36	106	5	46	0.4
157	4/29/2020	20	44	138	7	32	0.4
158	4/30/2020	33	65	171	12	50	0.6
159	5/1/2020	36	62	46	6	53	0.6
160	5/2/2020	26	36	124	5	34	0.5
161	5/3/2020	44	72	175	6	46	0.5
162	5/4/2020	61	47	118	4	50	0.5
163	5/5/2020	28	25	100	4	32	0.5
164	5/6/2020	22	28	56	4	37	0.5
165	5/7/2020	24	36	104	3	24	0.3
166	5/8/2020	14	27	67	3	21	0.4
167	5/9/2020	43	42	74	4	41	0.9
168	5/10/2020	71	60	76	4	45	0.8
169	5/11/2020	77	66	177	4	40	0.7
170	5/12/2020	22	58	148	5	38	0.5
171	5/13/2020	18	79	112	4	37	0.3
172	5/14/2020	19	75	126	4	23	0.4
173	5/15/2020	28	37	102	4	37	0.6
174	5/16/2020	63	38	64	4	62	0.8
175	5/17/2020	72	53	126	4	42	0.6
176	5/18/2020	33	62	156	4	34	0.5
177	5/19/2020	26	72	144	5	42	0.5
178	5/20/2020	36	70	180	7	46	0.5
179	5/21/2020	19	48	130	3	23	0.3
180	5/22/2020	18	37	122	3	28	0.4

Table S18. Yangpu District average pollutant concentrations: November 25th, 2019, to May 22nd, 2020.

No.	Date	PM _{2.5} Daily Average ($\mu\text{g}/\text{m}^3$)	PM ₁₀ Daily Average ($\mu\text{g}/\text{m}^3$)	O ₃ 8 h Average Daily Maximum ($\mu\text{g}/\text{m}^3$)	SO ₂ Daily Average ($\mu\text{g}/\text{m}^3$)	NO ₂ Daily Average ($\mu\text{g}/\text{m}^3$)	CO Daily Average (mg/m^3)
1	11/25/2019	10	33	50	5	27	0.4
2	11/26/2019	12	25	48	6	38	0.4
3	11/27/2019	14	20	49	5	40	0.5
4	11/28/2019	12	32	56	6	28	0.5

5	11/29/2019	14	30	46	6	42	0.5
6	11/30/2019	10	24	36	6	64	0.5
7	12/1/2019	25	24	40	6	43	1
8	12/2/2019	64	66	55	10	59	1.2
9	12/3/2019	80	88	62	12	93	1.1
10	12/4/2019	101	100	41	13	112	1.3
11	12/5/2019	52	58	66	10	64	0.7
12	12/6/2019	11	25	71	6	32	0.4
13	12/7/2019	34	45	84	8	61	0.5
14	12/8/2019	72	79	65	12	99	1.1
15	12/9/2019	82	84	59	9	100	0.9
16	12/10/2019	68	78	68	10	106	0.9
17	12/11/2019	110	117	81	11	94	1.3
18	12/12/2019	28	44	70	8	66	0.7
19	12/13/2019	28	58	68	8	76	0.8
20	12/14/2019	50	67	72	8	68	0.8
21	12/15/2019	12	30	64	6	47	0.5
22	12/16/2019	30	50	62	6	64	0.8
23	12/17/2019	69	64	16	6	62	1.2
24	12/18/2019	22	29	53	5	36	0.6
25	12/19/2019	20	27	40	6	46	0.6
26	12/20/2019	37	41	49	7	55	0.8
27	12/21/2019	22	24	54	6	62	0.6
28	12/22/2019	13	19	57	5	52	0.6
29	12/23/2019	29	30	68	6	55	0.7
30	12/24/2019	29	37	54	5	52	0.8
31	12/25/2019	21	32	23	6	76	0.8
32	12/26/2019	26	26	38	6	47	1
33	12/27/2019	67	74	40	10	74	1.2
34	12/28/2019	68	67	70	8	72	1.1
35	12/29/2019	38	46	30	7	72	0.9
36	12/30/2019	74	61	80	8	52	1
37	12/31/2019	14	33	52	6	26	0.5
38	1/1/2020	12	24	56	6	32	0.5
39	1/2/2020	21	39	25	6	48	0.8
40	1/3/2020	35	43	30	6	49	0.8
41	1/4/2020	64	54	55	6	64	0.9
42	1/5/2020	37	41	56	6	61	0.8
43	1/6/2020	22	36	72	6	50	0.9
44	1/7/2020	32	31	35	6	52	1.3
45	1/8/2020	39	42	42	7	47	1.1
46	1/9/2020	30	31	44	7	50	0.8
47	1/10/2020	10	22	51	6	46	0.6
48	1/11/2020	27	25	55	6	41	0.7
49	1/12/2020	107	88	59	10	60	1.4
50	1/13/2020	106	81	60	10	76	1.2
51	1/14/2020	112	89	66	10	77	1.3
52	1/15/2020	32	28	56	8	76	0.8

53	1/16/2020	7	8	60	6	50	0.6
54	1/17/2020	36	36	54	6	46	0.9
55	1/18/2020	64	53	52	8	44	1.1
56	1/19/2020	80	66	74	8	56	1.2
57	1/20/2020	129	112	90	10	91	1.5
58	1/21/2020	88	68	108	8	78	1.2
59	1/22/2020	76	48	65	7	54	1.3
60	1/23/2020	30	23	65	7	34	0.9
61	1/24/2020	42	57	96	6	28	0.9
62	1/25/2020	10	16	66	6	24	0.7
63	1/26/2020	13	24	76	6	19	0.7
64	1/27/2020	19	22	76	6	20	0.9
65	1/28/2020	81	74	60	7	24	1.3
66	1/29/2020	64	58	98	8	22	1.1
67	1/30/2020	64	61	94	10	22	1.2
68	1/31/2020	42	41	81	10	34	1
69	2/1/2020	26	26	74	8	56	0.9
70	2/2/2020	34	25	98	8	37	0.8
71	2/3/2020	54	46	100	8	46	0.9
72	2/4/2020	16	23	89	8	42	0.7
73	2/5/2020	24	32	88	7	41	0.8
74	2/6/2020	14	22	77	6	16	0.6
75	2/7/2020	20	26	82	6	15	0.7
76	2/8/2020	34	36	79	6	20	0.7
77	2/9/2020	74	66	98	6	28	1
78	2/10/2020	44	42	101	8	36	0.8
79	2/11/2020	24	22	92	6	18	0.6
80	2/12/2020	54	42	48	7	44	1.1
81	2/13/2020	54	35	66	6	30	0.9
82	2/14/2020	17	12	58	5	35	0.6
83	2/15/2020	12	10	44	6	28	0.8
84	2/16/2020	22	39	76	6	14	0.6
85	2/17/2020	14	30	79	7	15	0.5
86	2/18/2020	17	24	80	8	26	0.6
87	2/19/2020	11	19	92	6	21	0.4
88	2/20/2020	16	22	81	6	42	0.5
89	2/21/2020	26	30	86	6	31	0.6
90	2/22/2020	70	98	100	8	37	0.9
91	2/23/2020	24	50	97	6	31	0.5
92	2/24/2020	40	70	132	6	24	0.7
93	2/25/2020	44	50	76	7	36	0.9
94	2/26/2020	25	36	82	6	22	0.6
95	2/27/2020	26	44	86	6	26	0.6
96	2/28/2020	31	42	74	6	37	0.8
97	2/29/2020	18	14	58	5	42	0.7
98	3/1/2020	12	14	74	5	27	0.5
99	3/2/2020	21	31	91	6	20	0.7
100	3/3/2020	20	35	80	6	36	0.4

101	3/4/2020	26	36	94	6	26	0.5
102	3/5/2020	21	32	94	7	23	0.4
103	3/6/2020	21	33	110	6	24	0.5
104	3/7/2020	56	45	102	6	39	0.7
105	3/8/2020	16	21	106	4	25	0.5
106	3/9/2020	10	8	76	3	40	0.5
107	3/10/2020	28	32	92	4	30	0.6
108	3/11/2020	65	66	100	5	56	0.8
109	3/12/2020	50	49	111	5	32	0.7
110	3/13/2020	21	26	81	4	36	0.6
111	3/14/2020	22	47	86	6	33	0.6
112	3/15/2020	44	76	98	7	52	0.7
113	3/16/2020	14	39	80	6	31	0.5
114	3/17/2020	34	63	109	8	52	0.7
115	3/18/2020	54	77	155	9	60	0.8
116	3/19/2020	33	76	90	9	43	0.6
117	3/20/2020	17	66	121	6	33	0.5
118	3/21/2020	37	69	126	12	46	0.7
119	3/22/2020	36	33	101	4	28	0.6
120	3/23/2020	14	33	90	6	42	0.5
121	3/24/2020	24	37	101	5	54	0.5
122	3/25/2020	16	44	124	5	26	0.5
123	3/26/2020	38	45	50	5	58	0.8
124	3/27/2020	10	35	81	4	21	0.3
125	3/28/2020	6	26	74	4	24	0.3
126	3/29/2020	7	31	73	4	25	0.4
127	3/30/2020	11	25	81	4	37	0.4
128	3/31/2020	14	27	91	4	41	0.4
129	4/1/2020	34	42	131	5	32	0.5
130	4/2/2020	17	46	108	5	36	0.4
131	4/3/2020	27	48	98	4	45	0.4
132	4/4/2020	48	72	135	6	54	0.6
133	4/5/2020	13	41	104	4	21	0.3
134	4/6/2020	15	38	84	4	35	0.4
135	4/7/2020	25	44	76	6	58	0.5
136	4/8/2020	30	52	100	6	72	0.6
137	4/9/2020	33	50	115	4	46	0.5
138	4/10/2020	23	45	112	4	31	0.5
139	4/11/2020	20	28	94	4	30	0.5
140	4/12/2020	52	56	120	6	32	0.8
141	4/13/2020	56	86	130	7	58	0.8
142	4/14/2020	59	78	161	6	62	0.7
143	4/15/2020	58	78	131	6	86	0.7
144	4/16/2020	36	63	158	6	40	0.6
145	4/17/2020	56	100	82	6	89	0.9
146	4/18/2020	44	70	126	5	48	0.8
147	4/19/2020	30	27	113	4	30	0.8
148	4/20/2020	55	48	150	5	58	0.9

149	4/21/2020	18	26	90	4	38	0.4
150	4/22/2020	22	50	84	4	50	0.4
151	4/23/2020	21	48	106	6	33	0.4
152	4/24/2020	40	73	146	7	48	0.5
153	4/25/2020	42	74	138	6	49	0.5
154	4/26/2020	31	66	104	4	33	0.4
155	4/27/2020	16	35	94	4	38	0.3
156	4/28/2020	22	36	96	5	48	0.4
157	4/29/2020	22	50	156	4	30	0.4
158	4/30/2020	37	71	192	7	41	0.7
159	5/1/2020	38	62	56	4	53	0.8
160	5/2/2020	30	40	145	4	25	0.6
161	5/3/2020	54	73	189	5	46	0.8
162	5/4/2020	52	40	120	5	50	0.7
163	5/5/2020	24	24	103	4	28	0.6
164	5/6/2020	23	28	65	4	35	0.5
165	5/7/2020	26	40	104	4	28	0.5
166	5/8/2020	17	29	78	4	18	0.5
167	5/9/2020	42	40	76	4	42	0.9
168	5/10/2020	76	66	86	6	57	1
169	5/11/2020	78	68	185	4	45	0.9
170	5/12/2020	26	66	150	7	48	0.6
171	5/13/2020	19	82	100	4	48	0.4
172	5/14/2020	21	87		4	26	0.5
173	5/15/2020	32	40	98	2	46	0.7
174	5/16/2020	63	40	78	2	58	0.7
175	5/17/2020	66	48	133	2	38	0.7
176	5/18/2020	37	73	145	2	37	0.7
177	5/19/2020	26	76	110	3	44	0.5
178	5/20/2020	38	71	184	3	38	0.5
179	5/21/2020	20	52	136	2	22	0.4
180	5/22/2020	18	38	118	2	24	0.4

Table S19. The results of Test Statistics^a.

	$\Delta_{dur}-\Delta_{pre}$	$\Delta_{post}-\Delta_{dur}$	$\Delta_{post}-\Delta_{pre}$
Z	-1.402 ^b	-0.438 ^c	-0.836 ^b
Asymp. Sig. (2-tailed)	0.161	0.662	0.403

a. Wilcoxon Signed Ranks Test. b. Based on negative ranks. c. Based on positive ranks.