

AIR QUALITY
IN HONG KONG 2014

Statistical Summary

Air Science Group

Environmental Protection Department

**The Government of the Hong Kong
Special Administrative Region**

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Table C1: 2014 Exceedance of Short Term Limits of Air Quality Objectives

Pollutant: Sulphur Dioxide (10-minute limit = 500 µg/m³ ; allowable no. of exceedance = 3)

Station	No. of exceedance	1st High	2nd High	3rd High	4th High
Central/Western	0	202	172	167	160
Eastern	0	156	131	126	123
Kwun Tong	0	147	139	134	125
Sham Shui Po	0	242	236	230	229
Kwai Chung	0	334	317	314	305
Tsuen Wan	0	167	154	150	149
Yuen Long	0	112	102	95	92
Tuen Mun	0 *	153	150	149	128
Tung Chung	0	91	87	87	86
Tai Po	0	89	86	78	70
Sha Tin	0	164	108	108	107
Tap Mun	0	51	51	48	46
Causeway Bay	0	226	183	170	160
Central	0	190	153	147	140
Mong Kok	0	380	322	266	258

Pollutant: Sulphur Dioxide (24-hour limit = 125 µg/m³ ; allowable no. of exceedance = 3)

Station	No. of exceedance	1st High	2nd High	3rd High	4th High
Central/Western	0	44	38	32	32
Eastern	0	30	30	29	27
Kwun Tong	0	65	42	39	38
Sham Shui Po	0	80	74	67	64
Kwai Chung	0	104	89	87	76
Tsuen Wan	0	40	40	37	36
Yuen Long	0	34	31	30	27
Tuen Mun	0 *	38	34	34	33
Tung Chung	0	41	37	35	35
Tai Po	0	17	17	16	15
Sha Tin	0	39	36	29	28
Tap Mun	0	30	26	26	24
Causeway Bay	0	45	40	37	26
Central	0	47	33	32	29
Mong Kok	0	79	58	55	52

Pollutant: Nitrogen Dioxide (1-hour limit = 200 µg/m³ ; allowable no. of exceedance = 18)

Station	No. of exceedance	1st High	2nd High	3rd High	4th High	5th High	6th High	7th High	8th High	9th High	10th High	11th High	12th High	13th High	14th High	15th High	16th High	17th High	18th High	19th High
Central/Western	0	191	190	188	188	186	183	182	181	181	181	178	178	177	176	176	175	174	173	173
Eastern	7	236	232	229	218	204	202	202	198	197	195	186	182	181	181	179	178	177	176	175
Kwun Tong	28	329	312	302	294	292	290	287	272	261	256	249	244	235	234	234	233	232	222	217
Sham Shui Po	19	289	282	278	273	272	266	256	250	244	240	224	222	218	213	209	209	207	206	201
Kwai Chung	39	307	299	289	276	266	259	259	248	247	245	244	240	239	239	237	237	237	237	235
Tsuen Wan	13	282	259	243	226	225	212	209	207	207	207	206	204	201	200	199	195	193	193	192
Yuen Long	4	227	219	209	201	200	199	190	189	185	184	175	175	172	171	171	170	169	168	165
Tuen Mun	10 *	253	241	238	226	223	219	209	207	204	202	200	192	190	189	188	187	186	185	184
Tung Chung	14	275	262	258	234	231	229	221	217	213	212	212	210	209	208	200	200	199	199	198
Tai Po	0	199	192	184	174	170	167	156	156	154	153	152	151	150	150	148	147	147	147	145
Sha Tin	6	245	243	233	232	224	203	190	186	182	179	179	176	176	175	173	173	172	172	171
Tap Mun	0	94	93	83	81	73	72	71	70	70	70	68	65	62	62	62	62	62	61	61
Causeway Bay	437	429	428	395	365	364	361	357	351	351	350	349	348	347	347	344	344	342	342	340
Central	375	388	384	371	369	368	351	350	346	345	344	327	324	320	319	317	316	315	313	312
Mong Kok	163	355	340	335	324	320	318	315	315	315	312	311	311	307	304	296	294	294	288	288

Table C1 (Cont.): 2014 Exceedance of Short Term Limits of Air Quality Objectives

Pollutant: Ozone (Daily maximum 8-hour limit = 160 µg/m³ ; allowable no. of exceedance = 9)

Station	No. of exceedance	1st High	2nd High	3rd High	4th High	5th High	6th High	7th High	8th High	9th High	10th High
Central/Western	8	237	176	173	171	171	170	165	161	147	147
Eastern	2	230	178	153	151	148	148	138	137	135	132
Kwun Tong	2	207	171	151	149	147	139	137	134	134	133
Sham Shui Po	2	208	165	160	157	150	146	144	140	136	132
Kwai Chung	1	245	135	134	132	130	128	127	123	120	115
Tsuen Wan	4	279	180	177	165	155	144	144	142	142	142
Yuen Long	13	304	229	221	212	203	190	187	186	180	177
Tuen Mun	12 *	260	209	202	198	188	173	172	171	171	168
Tung Chung	18	278	261	236	227	214	193	192	191	188	175
Tai Po	5	211	191	178	168	162	157	149	148	145	144
Sha Tin	12	229	209	206	198	189	175	174	173	166	164
Tap Mun	26	285	235	226	200	196	196	192	184	183	181
Causeway Bay	0	127	124	116	116	111	109	106	100	98	97
Central	1	202	156	146	143	141	135	124	120	119	117
Mong Kok	0	113	111	108	106	105	104	99	99	96	95

Pollutant: PM₁₀ (24-hour limit = 100 µg/m³ ; allowable no. of exceedance = 9)

Station	No. of exceedance	1st High	2nd High	3rd High	4th High	5th High	6th High	7th High	8th High	9th High	10th High
Central/Western	11	125	123	121	118	112	108	107	105	105	104
Eastern	3	121	113	111	99	98	96	95	93	93	90
Kwun Tong	13	140	139	138	137	129	127	124	123	114	110
Sham Shui Po	8	130	127	127	120	117	106	105	102	100	100
Kwai Chung	5	121	120	117	109	106	95	94	93	92	91
Tsuen Wan	4	116	113	110	102	100	96	94	91	90	88
Yuen Long	21	156	144	137	136	134	134	132	129	125	124
Tuen Mun	17 *	169	148	144	143	139	136	131	131	129	125
Tung Chung	10	125	124	120	116	113	111	110	103	103	101
Tai Po	9	131	118	116	114	111	105	104	103	101	92
Sha Tin	7	125	117	109	108	102	101	101	100	97	93
Tap Mun	11	146	142	138	134	129	124	117	112	103	102
Causeway Bay	13	137	135	135	125	116	116	115	113	112	109
Central	11	121	120	118	114	114	108	106	106	104	103
Mong Kok	5	121	116	115	113	112	100	100	100	98	97

Pollutant: PM_{2.5} (24-hour limit = 75 µg/m³ ; allowable no. of exceedance = 9)

Station	No. of exceedance	1st High	2nd High	3rd High	4th High	5th High	6th High	7th High	8th High	9th High	10th High
Central/Western	6	95	93	86	83	81	76	73	72	70	70
Eastern	2 *	84	83	72	66	65	64	60	59	56	55
Kwun Tong	7	98	98	94	89	84	82	76	75	71	68
Sham Shui Po	4	96	93	89	82	74	74	74	74	70	68
Kwai Chung	4	98	96	94	82	73	73	70	68	68	62
Tsuen Wan	2	87	82	75	68	68	66	63	63	60	59
Yuen Long	18	119	103	101	98	96	95	92	89	87	86
Tuen Mun	12 *	119	104	101	98	93	92	91	90	86	83
Tung Chung	3	85	80	77	74	70	68	68	66	66	65
Tai Po	6	103	89	86	80	80	76	72	71	66	63
Sha Tin	6	98	89	77	77	76	76	69	68	68	67
Tap Mun	7	102	99	90	85	82	76	76	70	65	65
Causeway Bay	10	107	104	94	94	85	84	83	83	78	77
Central	1	77	74	72	70	68	68	67	63	63	60
Mong Kok	5	87	85	81	77	76	73	73	71	65	64

Notes:

1. All concentration units are in microgram per cubic metre (µg/m³).
2. Shaded no. of exceedance are above their respective allowable limits.
3. Shaded concentrations are above their respective limits of air quality objectives.
4. No. of exceedance marked with asterisk denotes the data for calculation could not meet the 90% data capture target in the year.

Table C2: 2014 Monthly and Annual Averages of Air Pollutants

Pollutant: Sulphur Dioxide

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Central/Western	14	7	10	7	5	8	9	7	10	8	8	12	9
Eastern	11	5	6	6	4	5	7	5	8	7	6	8	6
Kwun Tong	19	12	12	7	6	8	11	10	12	12	9	11	11
Sham Shui Po	22	16	16	16	12	14	18	13	13	11	10	12	14
Kwai Chung	19	13	14	17	29	30	32	33	23	12	14	16	21
Tsuen Wan	21	14	16	14	14	15	15	14	14	12	12	16	15
Yuen Long	19	11	10	10	8	9	8	9	10	9	9	11	11
Tuen Mun	19	12	15	14	7	15	18	19	16	11	16 *	26 *	15 *
Tung Chung	26	16	15	13	9	7	8	7	10	12	14	18	13
Tai Po	7	4	4	3	3	3	5	4	4	3	2	4	4
Sha Tin	14	8	9	8	8	7	9	11	8	8	9	12	9
Tap Mun	14	8	10	10	9	9	10	11	7	7	7	11	9
Causeway Bay	12	5	10	7	4	5	7	5	7	6	6	10	7
Central	13	8	11	8	7	8	8	6	8	8	8	14	9
Mong Kok	14	11	13	12	8	8	12	8	10	8	6	11	10

Pollutant: Nitrogen Oxides

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Central/Western	97	92	121	87	54	51	52	49	52	42	52	66	68
Kwun Tong	119	103	111	79	135	125	125	127	94	61	67	91	103
Sham Shui Po	147	126	155	123	108	96	99	98	94	95	103	102	112
Kwai Chung	149	121	158	130	159	152	148	146	140	109	110	127	138
Tsuen Wan	124	101	146	101	103	90	91	94	89	75	84	95	99
Yuen Long	136	87	91	78	66	68	73	73	80	70	86	109	85
Tuen Mun	145	110	113	99	68	65	62	65	64	64	78 *	418 *	86 *
Tung Chung	116	86	86	78	36	39	44	41	53	54	71	89	66
Sha Tin	101	58	62	56	59	67	68	70	67	56	56	73	66
Tap Mun	20	16	19	17	18	15	11	14	12	15	12	17	15
Causeway Bay	335	270	312	236	247	273	271	257	265	82	121	242	242
Central	318	272	281	235	221	223	236	235	232	173	281	303	251
Mong Kok	317	274	313	298	287	287	281	261	241	122	191	215	257

Pollutant: Nitrogen Dioxide (Annual limit = 40 µg/m³)

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Central/Western	74	56	62	59	35	34	32	29	39	38	43	50	46
Eastern	69	54	62	61	42	41	41	39	47	52	53	57	52
Kwun Tong	69	51	53	48	54	57	60	57	55	46	45	53	54
Sham Shui Po	91	65	73	75	56	53	51	48	56	71	70	71	65
Kwai Chung	88	60	64	69	57	64	62	54	72	78	68	73	67
Tsuen Wan	83	55	63	59	46	48	49	46	56	59	58	63	57
Yuen Long	78	46	56	53	39	41	42	39	49	55	58	67	52
Tuen Mun	88	56	60	63	40	41	39	37	46	55	56 *	173 *	53 *
Tung Chung	83	52	51	50	25	27	27	22	38	46	53	66	45
Tai Po	66	42	45	43	39	39	39	35	44	47	47	52	45
Sha Tin	63	37	39	37	40	42	44	42	47	46	40	51	44
Tap Mun	13	8	12	10	10	8	9	10	9	9	10	15	10
Causeway Bay	156	107	119	110	93	104	94	88	108	66	79	114	103
Central	145	102	105	111	81	85	83	81	102	98	127	129	104
Mong Kok	137	101	109	124	91	91	87	83	98	86	95	101	100

Pollutant: Carbon Monoxide

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Tsuen Wan	1079	701	711	798	607	565	467	487	815	783	715	850	716
Yuen Long	1028	731	758	730	532	505	429	472	617	744	749	919	684
Tuen Mun	890	720	645	613	350	311	287	314	566	628	721 *	1445 *	534 *
Tung Chung	664	583	505	480	261	420	448	438	547	738	732	733	546
Tap Mun	643	576	610	528	572	557	646	546	595	648	611	530	589
Causeway Bay	1241	940	1150	755	557	686	629	556	647	578	699	818	771
Central	900	833	987	1011	724	758	585	594	713	769	999	959	819
Mong Kok	1325	864	1025	1003	801	751	939	865	728	922	1049	1156	954

Table C2 (Cont.): 2014 Monthly and Annual Averages of Air Pollutants

Pollutant: Ozone

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Central/Western	56	33	36	52	34	42	32	28	45	90	37	30	43
Eastern	51	31	32	48	36	42	30	27	43	80	46	42	43
Kwun Tong	61	39	44	61	28	30	20	16	40	93	61	53	46
Sham Shui Po	44	29	30	43	24	29	21	17	36	72	40	38	35
Kwai Chung	48	34	37	45	21	25	15	12	26	71	49	44	36
Tsuen Wan	51	36	37	49	25	29	21	18	36	75	47	40	39
Yuen Long	46	35	38	50	33	37	28	24	45	79	42	34	41
Tuen Mun	38	25	30	40	29	45	40	29	48	81	40 *	40 *	41 *
Tung Chung	50	38	45	51	42	47	36	29	48	87	46	37	46
Tai Po	51	47	50	60	38	43	39	38	53	87	60	58	52
Sha Tin	61	48	54	68	38	39	30	24	44	91	60	52	51
Tap Mun	97	68	74	88	54	55	50	39	68	110	86	79	72
Causeway Bay	20	15	18	27	14	13	8	8	12	66	34	22	22
Central	28	21	24	31	18	15	14	15	22	62	20	21	24
Mong Kok	23	13	13	16	9	12	8	8	16	57	23	21	18

Pollutant: Respirable Suspended Particulates (PM₁₀) (Annual limit = 50 µg/m³)

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Central/Western	77	44	58	47	22	27	24	20	33	62	53	62	44
Eastern	66	35	45	40	19	23	20	16	29	53	45	56	37
Kwun Tong	89	48	57	55	33	34	32	26	41	69	57	67	51
Sham Shui Po	77	40	51	48	31	35	32	28	38	62	42	50	44
Kwai Chung	70	36	47	41	28	30	28	23	36	57	45	56	41
Tsuen Wan	69	36	48	40	26	32	30	24	36	59	47	53	42
Yuen Long	94	49	54	46	25	30	28	21	38	67	60	82	50
Tuen Mun	99	51	56	47	24	30	29	23	42	74	68 *	115 *	47 *
Tung Chung	76	38	44	35	16	22	21	15	29	56	52	67	39
Tai Po	75	40	47	40	20	26	27	19	34	57	48	58	41
Sha Tin	70	35	45	37	21	25	24	18	31	55	47	57	39
Tap Mun	84	46	54	43	23	25	21	16	33	61	50	66	44
Causeway Bay	87	51	69	62	40	46	43	37	52	64	57	70	57
Central	78	47	65	51	28	33	27	21	36	54	48	58	46
Mong Kok	71	45	58	54	32	36	33	28	42	63	56	63	48

Pollutant: Fine Suspended Particulates (PM_{2.5}) (Annual limit = 35 µg/m³)

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Central/Western	53	31	38	29	13	16	14	11	21	38	34	40	28
Eastern	43	24	30	26 *	--	15	13	9	20	35	31	35	26 *
Kwun Tong	57	32	39	33	18	21	19	14	23	42	36	39	31
Sham Shui Po	53	30	36	38	24	27	25	22	31	46	32	36	33
Kwai Chung	52	27	33	27	17	20	18	15	25	38	32	37	28
Tsuen Wan	46	26	33	28	16	20	19	14	25	38	32	35	28
Yuen Long	65	34	37	32	15	21	19	13	26	47	45	59	35
Tuen Mun	66	36	37	30	11	18	17	11	26	48	44 *	80 *	30 *
Tung Chung	50	25	27	22	9	13	12	8	19	33	32	41	24
Tai Po	52	28	32	27	12	15	17	10	22	37	32	38	27
Sha Tin	50	24	29	24	12	15	14	10	21	36	31	39	25
Tap Mun	54	27	31	27	13	15	15	11	23	32	35	39	27
Causeway Bay	60	36	47	43	27	31	29	23	35	40	37	46	38
Central	47	30	40	32	17	19	16	12	23	35	32	38	28
Mong Kok	44	27	34 *	37	20	24	21	18	29	42	39	43	31

Notes:

1. All concentration units are in microgram per cubic metre (µg/m³).
2. Shaded annual averages are above their respective limits of air quality objectives.
3. Monthly average marked with asterisk denotes the data for calculation could not meet the 66% data capture target.
4. Annual average marked with asterisk denotes the data for calculation did not evenly distribute in the year.
5. There was no available PM_{2.5} data for Eastern monitoring station in May 2014.

Table C3: 2014 Hourly Statistics of Air Pollutants

Pollutant: Sulphur Dioxide

Station	No. of hourly data	Data capture rate (%)	Percentiles									Arithmetic mean	Highest 1-hour
			10	25	50	75	90	95	97.5	99	99.8		
Central/Western	8658	98.8	2	4	6	10	18	26	35	49	76	9	143
Eastern	8630	98.5	1	2	4	8	13	20	27	38	54	6	106
Kwun Tong	8588	98.0	4	6	9	13	19	25	34	44	72	11	118
Sham Shui Po	8544	97.5	5	7	10	15	26	40	61	90	136	14	197
Kwai Chung	8618	98.4	4	6	11	27	55	71	86	105	148	21	284
Tsuen Wan	8590	98.1	7	8	11	17	27	35	45	57	76	15	130
Yuen Long	8537	97.5	5	6	8	13	19	24	29	36	48	11	87
Tuen Mun	7307	83.4	5	8	13	18	26	32	39	49	65	15	89
Tung Chung	8568	97.8	6	7	10	16	23	29	35	45	58	13	82
Tai Po	8627	98.5	1	2	2	5	8	12	15	19	28	4	65
Sha Tin	8594	98.1	3	5	7	11	18	25	31	41	63	9	106
Tap Mun	8535	97.4	5	7	9	11	15	18	21	27	34	9	41
Causeway Bay	8554	97.6	2	3	5	8	15	21	29	40	61	7	118
Central	8636	98.6	3	4	6	10	19	26	35	45	69	9	118
Mong Kok	8639	98.6	3	4	6	10	20	31	47	75	118	10	301

Pollutant: Nitrogen Oxides

Station	No. of hourly data	Data capture rate (%)	Percentiles									Arithmetic mean	Highest 1-hour
			10	25	50	75	90	95	97.5	99	99.8		
Central/Western	8660	98.9	15	27	49	81	133	193	265	379	582	68	1031
Kwun Tong	8580	97.9	27	43	74	134	219	274	346	449	686	103	899
Sham Shui Po	8611	98.3	33	65	99	135	183	246	333	475	713	112	963
Kwai Chung	8615	98.3	41	75	117	176	248	301	363	482	825	138	1753
Tsuen Wan	8574	97.9	30	59	84	118	170	230	291	391	602	99	1251
Yuen Long	8524	97.3	33	48	72	104	149	190	239	305	431	85	681
Tuen Mun	7299	83.3	25	42	68	107	165	216	269	349	493	86	744
Tung Chung	8541	97.5	14	27	49	88	140	175	216	273	387	66	534
Sha Tin	8570	97.8	19	27	48	81	142	191	234	293	405	66	538
Tap Mun	8522	97.3	6	10	13	19	26	33	43	56	83	15	204
Causeway Bay	8592	98.1	67	110	200	337	482	575	657	768	993	242	1345
Central	8637	98.6	69	127	216	329	471	584	690	848	1061	251	1835
Mong Kok	8594	98.1	76	142	261	342	419	484	560	676	918	257	1281

Pollutant: Nitrogen Dioxide (1-hour limit = 200 µg/m³; allowable no. of exceedance = 18)

Station	No. of hourly data	Data capture rate (%)	Percentiles									Arithmetic mean	Highest 1-hour	No. of exceedance
			10	25	50	75	90	95	97.5	99	99.8			
Central/Western	8660	98.9	14	23	41	62	86	103	120	141	173	46	191	0
Eastern	8613	98.3	21	33	49	66	82	95	112	131	176	52	236	7
Kwun Tong	8580	97.9	21	32	49	69	90	111	134	164	221	54	329	28
Sham Shui Po	8611	98.3	28	41	61	85	105	119	132	154	205	65	289	19
Kwai Chung	8615	98.3	30	45	63	83	108	130	149	178	237	67	307	39
Tsuen Wan	8574	97.9	24	38	53	71	93	110	126	150	193	57	282	13
Yuen Long	8524	97.3	25	34	47	65	85	99	116	136	168	52	227	4
Tuen Mun	7299	83.3	20	31	46	70	94	111	128	153	187	53	253	10*
Tung Chung	8541	97.5	10	20	38	62	89	108	126	149	199	45	275	14
Tai Po	8627	98.5	20	29	40	55	75	90	102	117	146	45	199	0
Sha Tin	8570	97.8	16	24	38	55	82	101	120	139	172	44	245	6
Tap Mun	8522	97.3	3	5	8	13	18	24	30	43	61	10	94	0
Causeway Bay	8592	98.1	41	64	96	132	172	201	228	266	342	103	429	437
Central	8637	98.6	41	64	99	136	172	195	222	258	313	104	388	375
Mong Kok	8594	98.1	46	70	97	126	155	174	192	218	288	100	355	163

Pollutant: Carbon Monoxide (1-hour limit = 30,000 µg/m³; allowable no. of exceedance = 0)

Station	No. of hourly data	Data capture rate (%)	Percentiles									Arithmetic mean	Highest 1-hour	No. of exceedance
			10	25	50	75	90	95	97.5	99	99.8			
Tsuen Wan	8581	98.0	430	520	690	860	1040	1150	1260	1420	1790	716	2320	0
Yuen Long	8546	97.6	390	490	640	820	1030	1170	1300	1540	1889	684	2560	0
Tuen Mun	7334	83.7	220	320	510	680	870	1000	1140	1380	1750	534	2610	0*
Tung Chung	8571	97.8	310	380	490	690	860	980	1080	1230	1420	546	2230	0
Tap Mun	8521	97.3	390	480	560	690	790	890	1010	1100	1230	589	1370	0
Causeway Bay	8515	97.2	410	530	700	940	1240	1430	1590	1800	2199	771	2700	0
Central	8631	98.5	480	610	790	990	1190	1320	1443	1620	1937	819	3590	0
Mong Kok	8636	98.6	630	760	920	1100	1310	1450	1590	1810	2315	954	3230	0

Table C3 (Cont.): 2014 Hourly Statistics of Air Pollutants

Pollutant: Ozone

Station	No. of hourly data	Data capture rate (%)	Percentiles									Arithmetic mean	Highest 1-hour
			10	25	50	75	90	95	97.5	99	99.8		
Central/Western	8641	98.6	5	17	35	61	93	109	126	145	201	43	324
Eastern	8630	98.5	12	23	36	58	79	96	113	131	174	43	300
Kwun Tong	8560	97.7	5	13	38	73	97	112	123	137	160	46	304
Sham Shui Po	8554	97.6	5	11	27	52	78	95	109	130	184	35	311
Kwai Chung	8603	98.2	4	8	26	56	81	96	107	121	150	36	343
Tsuen Wan	8581	98.0	7	12	29	59	84	100	115	140	190	39	351
Yuen Long	8523	97.3	6	12	30	58	90	109	137	176	257	41	389
Tuen Mun	7336	83.7	6	16	30	55	88	109	137	176	259	41	328
Tung Chung	8554	97.6	6	16	36	67	98	118	146	178	275	46	355
Tai Po	8627	98.5	15	25	45	73	99	113	129	149	189	52	286
Sha Tin	8550	97.6	4	13	40	81	112	129	148	167	217	51	327
Tap Mun	8513	97.2	21	40	66	99	130	149	165	183	225	72	346
Causeway Bay	8447	96.4	2	4	11	32	57	73	87	104	126	22	173
Central	8614	98.3	3	7	14	32	61	81	98	121	149	24	298
Mong Kok	8453	96.5	3	5	10	24	47	64	77	94	125	18	151

Pollutant: Respirable Suspended Particulates (PM₁₀)

Station	No. of hourly data	Data capture rate (%)	Percentiles									Arithmetic mean	Highest 1-hour
			10	25	50	75	90	95	97.5	99	99.8		
Central/Western	8437	96.3	14	21	41	60	79	95	112	131	163	44	214
Eastern	8505	97.1	11	17	34	51	68	83	95	109	142	37	167
Kwun Tong	8452	96.5	19	29	47	66	87	104	119	139	178	51	225
Sham Shui Po	8252	94.2	22	28	39	55	73	89	105	126	166	44	226
Kwai Chung	8505	97.1	17	25	37	53	71	86	101	117	153	41	187
Tsuen Wan	8527	97.3	16	24	37	54	74	88	102	121	149	42	293
Yuen Long	8497	97.0	16	24	43	67	94	112	130	151	183	50	258
Tuen Mun	7236	82.6	16	22	39	64	90	112	135	155	205	47	386
Tung Chung	8689	99.2	11	16	33	54	78	95	115	134	175	39	247
Tai Po	8575	97.9	14	21	37	55	75	88	104	124	160	41	242
Sha Tin	8541	97.5	13	20	35	52	71	85	99	115	149	39	203
Tap Mun	8420	96.1	13	20	39	61	82	97	112	136	163	44	237
Causeway Bay	8472	96.7	27	39	53	70	89	104	119	141	182	57	214
Central	8329	95.1	16	26	43	61	80	96	112	129	156	46	201
Mong Kok	8514	97.2	20	29	45	63	80	92	105	126	165	48	215

Pollutant: Fine Suspended Particulates (PM_{2.5})

Station	No. of hourly data	Data capture rate (%)	Percentiles									Arithmetic mean	Highest 1-hour
			10	25	50	75	90	95	97.5	99	99.8		
Central/Western	8439	96.3	7	12	26	39	53	64	78	95	122	28	164
Eastern	7176	81.9	6	11	25	36	48	56	65	76	99	26	123
Kwun Tong	8452	96.5	9	16	28	42	55	66	79	93	122	31	155
Sham Shui Po	8422	96.1	17	22	30	41	53	64	76	92	121	33	151
Kwai Chung	8515	97.2	10	16	25	37	50	62	75	91	124	28	150
Tsuen Wan	8338	95.2	10	15	25	37	49	59	70	83	104	28	163
Yuen Long	8521	97.3	9	15	30	48	66	79	95	108	132	35	160
Tuen Mun	7238	82.6	7	11	25	43	59	77	94	108	143	30	235
Tung Chung	8664	98.9	5	9	19	34	50	61	75	90	121	24	169
Tai Po	8579	97.9	7	12	24	37	51	62	75	90	120	27	162
Sha Tin	8541	97.5	6	11	22	35	49	60	72	86	118	25	143
Tap Mun	8506	97.1	8	12	23	36	52	62	72	91	110	27	129
Causeway Bay	8472	96.7	16	25	35	48	62	74	87	106	139	38	172
Central	8107	92.5	8	15	26	38	52	61	71	82	106	28	156
Mong Kok	8037	91.7	11	17	29	42	55	64	75	90	121	31	160

Notes:

1. All concentration units are in microgram per cubic metre ($\mu\text{g}/\text{m}^3$).
2. Shaded no. of exceedance are above their respective allowable limits.
3. No. of exceedance marked with asterisk denotes the data for calculation could not meet the 90% data capture target in the year.

Table C4 (Cont.): 2014 Diurnal Variations of Air Pollutants

Pollutant: Respirable Suspended Particulates (PM₁₀)

Station	Hr01	Hr02	Hr03	Hr04	Hr05	Hr06	Hr07	Hr08	Hr09	Hr10	Hr11	Hr12	Hr13	Hr14	Hr15	Hr16	Hr17	Hr18	Hr19	Hr20	Hr21	Hr22	Hr23	Hr24
Central/Western	43	41	40	40	39	39	39	40	43	45	47	48	48	48	48	50	48	47	46	47	47	47	45	43
Eastern	36	35	34	34	34	34	34	34	36	36	37	38	38	38	40	42	42	41	41	41	40	39	38	37
Kwun Tong	50	47	46	46	44	44	43	44	46	49	52	53	55	53	56	57	56	56	56	55	55	54	51	50
Sham Shui Po	45	43	41	40	39	38	39	40	41	42	42	42	42	42	43	47	49	50	50	51	53	52	49	46
Kwai Chung	39	38	37	36	35	35	36	38	40	42	42	43	43	43	45	46	47	47	46	45	45	43	42	41
Tsuen Wan	36	34	33	33	33	34	35	38	42	46	47	47	44	48	51	50	50	48	46	46	44	41	39	38
Yuen Long	47	46	45	43	43	42	43	44	48	51	53	54	54	55	56	54	54	53	53	53	51	49	48	48
Tuen Mun	45	44	43	42	41	42	42	44	46	48	49	50	51	51	52	52	52	51	51	51	51	50	48	46
Tung Chung	36	35	34	34	33	33	34	35	37	39	41	42	44	45	47	48	46	44	43	41	40	38	37	37
Tai Po	41	40	38	38	38	37	38	40	41	42	42	41	41	40	41	42	42	43	43	44	44	44	43	42
Sha Tin	39	38	37	36	36	35	36	37	39	39	38	38	38	38	39	40	41	41	42	42	43	41	41	40
Tap Mun	42	41	42	42	42	43	43	43	43	44	45	46	46	45	45	45	46	47	46	45	44	43	42	42
Causeway Bay	54	48	44	42	41	41	43	49	53	58	60	60	60	61	65	64	63	64	65	67	68	65	61	59
Central	45	43	41	39	38	38	39	42	46	50	50	49	48	48	50	50	49	50	50	51	51	49	47	46
Mong Kok	46	42	40	39	39	39	39	42	45	48	50	51	51	52	54	54	54	54	55	57	57	54	50	47

Pollutant: Fine Suspended Particulates (PM_{2.5})

Station	Hr01	Hr02	Hr03	Hr04	Hr05	Hr06	Hr07	Hr08	Hr09	Hr10	Hr11	Hr12	Hr13	Hr14	Hr15	Hr16	Hr17	Hr18	Hr19	Hr20	Hr21	Hr22	Hr23	Hr24
Central/Western	28	27	26	25	25	25	25	26	27	29	29	30	30	31	31	32	30	29	29	30	31	31	29	28
Eastern	26	25	24	24	24	24	24	24	25	26	25	26	26	26	27	28	28	27	28	28	28	27	27	26
Kwun Tong	31	27	28	28	28	28	28	29	30	31	31	31	31	31	32	33	33	33	34	34	35	35	33	31
Sham Shui Po	34	33	32	31	31	30	30	31	32	32	32	31	31	31	32	34	35	36	36	37	39	39	37	35
Kwai Chung	27	26	25	25	24	24	25	26	28	29	29	29	29	29	31	31	31	32	31	31	31	30	29	28
Tsuen Wan	25	24	23	23	23	24	25	26	28	29	30	30	28	30	31	32	33	33	32	32	31	29	28	26
Yuen Long	34	34	33	31	31	31	30	31	34	36	37	38	38	38	37	37	36	35	34	35	36	35	34	34
Tuen Mun	29	28	27	27	27	27	27	29	30	31	31	30	30	30	32	32	32	32	32	33	33	33	32	31
Tung Chung	23	22	21	21	21	21	21	22	23	24	24	25	26	27	29	29	28	27	27	26	25	24	24	23
Tai Po	27	26	25	25	25	25	25	26	28	28	27	26	26	26	27	27	28	28	28	29	30	29	29	28
Sha Tin	26	25	25	24	24	24	24	25	26	25	25	24	24	24	25	25	26	27	27	28	28	28	27	27
Tap Mun	26	25	25	26	26	27	29	28	28	27	28	28	27	27	26	27	27	27	27	27	27	27	26	26
Causeway Bay	37	32	29	27	27	27	28	32	35	38	38	38	39	42	43	42	42	44	45	48	48	46	43	41
Central	27	26	25	24	23	24	24	26	29	30	30	29	29	30	31	30	30	30	31	32	32	31	30	29
Mong Kok	30	27	25	25	25	25	25	28	30	31	31	31	33	34	35	35	34	35	36	38	39	37	34	31

Note: All concentration units are in microgram per cubic metre ($\mu\text{g}/\text{m}^3$).