

## Monthly Air Quality Monitoring at Cheung Chau (March 2026)

### Air Quality Monitoring Data Under Air Quality Objectives

Pollutant	Averaging time	Concentration Limit	Mean	Range	Number of exceedances	Number of exceedances allowed under Hong Kong's Air Quality
Sulphur dioxide ( $\mu\text{g}/\text{m}^3$ )	10-minute	500	5.2	4.4 - 18.1	0	3
	24-hour	40	5.3	4.9 - 5.8	0	3
Respirable suspended particulates (PM10) ( $\mu\text{g}/\text{m}^3$ )	24-hour	75	22.2	7.5 - 35.3	0	9
	Annual	30	25.7	N/A	N/A	N/A
Fine suspended particulates (PM2.5) ( $\mu\text{g}/\text{m}^3$ )	24-hour	37.5	13.4	5.7 - 19.8	0	18
	Annual	15	13.8	N/A	N/A	N/A
Nitrogen dioxide ( $\mu\text{g}/\text{m}^3$ )	1-hour	200	19.1	2.3 - 49.2	0	18
	24-hour	120	19.1	9.4 - 30.9	0	9
	Annual	40	19.3	N/A	N/A	N/A
Ozone ( $\mu\text{g}/\text{m}^3$ )	8-hour	160	20.8	3.9 - 68.9	0	9
	Peak Season	100	29.4	N/A	N/A	N/A
Carbon monoxide ( $\mu\text{g}/\text{m}^3$ )	1-hour	30,000	81	0 - 460	0	0
	8-hour	10,000	79	0 - 428	0	0
	24-hour	4,000	81	6 - 379	0	0
Lead ( $\mu\text{g}/\text{m}^3$ ) in Total Suspended Particulates	Monthly	N/A	<0.012	N/A	N/A	N/A
	Annual	0.5	<0.012	N/A	N/A	N/A
Lead ( $\mu\text{g}/\text{m}^3$ ) in Respirable Suspended Particulates	Monthly	N/A	<0.012	N/A	N/A	N/A
	Annual	0.5	<0.012	N/A	N/A	N/A

### Other Air Quality Monitoring Data

#### Dioxins

Pollutant	Averaging time	Result
Dioxins and Furans ( $\text{pg I-TEQ}/\text{m}^3$ )	Monthly	0.017

#### Heavy Metal Contents in TSP

Pollutant ( $\mu\text{g}/\text{m}^3$ )	Averaging time	Result
Aluminium	Monthly	<12.29
Antimony		<0.018
Arsenic		<0.006
Barium		<24.58
Beryllium		<0.006
Calcium		<61.46
Cadmium		<0.006
Cobalt		<0.006
Chromium		<0.123
Copper		<0.031
Iron		<6.15
Lead		<0.012
Magnesium		<6.15
Manganese		0.018
Mercury		<0.003
Nickel		<0.031
Selenium		<0.061
Thallium		<0.006
Vanadium		<0.031
Zinc		<18.44

#### Heavy Metal Contents in RSP

Pollutant ( $\mu\text{g}/\text{m}^3$ )	Averaging time	Result
Aluminium	Monthly	<0.307
Antimony		<0.006
Arsenic		<0.006
Barium		<0.123
Beryllium		<0.006
Calcium		<30.73
Cadmium		<0.006
Cobalt		<0.006
Chromium		<0.061
Copper		<0.012
Iron		<3.07
Lead		<0.012
Magnesium		<6.15
Manganese		0.012
Mercury		<0.003
Nickel		<0.031
Selenium		<0.061
Thallium		<0.006
Vanadium		<0.031
Zinc		<0.307

#### Hexavalent Chromium Content

Pollutant ( $\text{ng}/\text{m}^3$ )	Averaging time	Result
Hexavalent Chromium	Monthly	0.026

\* - [https://www.epd.gov.hk/epd/english/environmentinhk/air/air\\_quality\\_objectives/air\\_quality\\_objectives.html](https://www.epd.gov.hk/epd/english/environmentinhk/air/air_quality_objectives/air_quality_objectives.html)