

FY 2008 Monitoring Results of Hazardous Air Pollutants

1. Substances for which environmental quality standards (EQSs) are established (four substances)

Measurements of benzene exceeded the EQS in 1 points (3 points in FY 2007) of all monitoring points. Measurements of the other 3 substances were below the EQSs at all monitoring points (Table 1).

Table 1 Monitoring Result of the Substances for Which Environmental Quality Standards (EQSs) Are Established

Substance	Number of monitoring points	monitoring points exceeding EQS	Annual average concentration	EQS (Annual average concentration)
Benzene	451	1 (3)	1.4 $\mu\text{g}/\text{m}^3$	$\leq 3 \mu\text{g}/\text{m}^3$
Trichloroethylene	399	0 (0)	0.65 $\mu\text{g}/\text{m}^3$	$\leq 200 \mu\text{g}/\text{m}^3$
Tetrachloroethylene	399	0 (0)	0.23 $\mu\text{g}/\text{m}^3$	$\leq 200 \mu\text{g}/\text{m}^3$
Dichloromethane	397	0 (0)	2.3 $\mu\text{g}/\text{m}^3$	$\leq 150 \mu\text{g}/\text{m}^3$

Note: Figures in parentheses are those of FY 2007.

2. Substances for which guideline values are established as a guide to reduce health risks resulting from Hazardous Air Pollutants in the atmosphere (seven substances)

Measurements of Acrylic nitrile exceeded the guideline value in 1 points (0 points in FY 2007) of all monitoring points, and measurements of nickel compounds exceeded the guideline value in 1 points (2 points in FY 2007) of all monitoring points, and measurements of 1,2-dichloroethane exceeded the guideline value in 1 points (2 points in FY 2007) of all monitoring points. Measurements of the other 4 substances were below the guideline values at all monitoring points (Table 2).

Table 2 Monitoring Result of the Substances for Which Guideline Values as Hazardous Air Pollutants Are Established

Substance	Number of monitoring points	monitoring points exceeding guideline value	Annual average concentration	Guideline value (Annual average concentration)
Acrylic nitrile	370	1 (0)	0.093 $\mu\text{g}/\text{m}^3$	$\leq 2 \mu\text{g}/\text{m}^3$
Vinyl chrolide monomer	378	0 (0)	0.053 $\mu\text{g}/\text{m}^3$	$\leq 10 \mu\text{g}/\text{m}^3$
Mercury and its compounds	293	0 (0)	2.1 ngHg/ $\text{m}^3$	$\leq 40 \text{ngHg}/\text{m}^3$
Nickel and its compounds	302	1 (2)	4.9 ngNi/ $\text{m}^3$	$\leq 25 \text{ngNi}/\text{m}^3$
Chloroform	368	0 (0)	0.22 $\mu\text{g}/\text{m}^3$	$\leq 18 \mu\text{g}/\text{m}^3$
1,2-dichloroethane	377	1 (2)	0.16 $\mu\text{g}/\text{m}^3$	$\leq 1.6 \mu\text{g}/\text{m}^3$
1,3-butadiene	413	0 (0)	0.18 $\mu\text{g}/\text{m}^3$	$\leq 2.5 \mu\text{g}/\text{m}^3$

Note: Figures in parentheses are those of FY 2007.