

# Radioxenon concentration data collected at Japan Chemical Analysis Center (Chiba, Japan)

Data period: 2025/5/1~2025/5/31

Sample collection start time (JST)	Sample collection stop time (JST)	<sup>131m</sup> Xe concentration (mBq/m <sup>3</sup> )	<sup>133</sup> Xe concentration (mBq/m <sup>3</sup> )	<sup>133m</sup> Xe concentration (mBq/m <sup>3</sup> )	<sup>135</sup> Xe concentration (mBq/m <sup>3</sup> )	Xenon isotopic activity ratio		
						<sup>133m</sup> Xe / <sup>131m</sup> Xe	<sup>135</sup> Xe / <sup>133</sup> Xe	<sup>133m</sup> Xe / <sup>133</sup> Xe
2025/04/30 12:00	2025/05/01 00:00	< 0.32	3.15±0.11	< 0.31	< 0.59	-	-	-
2025/05/01 00:00	2025/05/01 12:00	< 0.41	4.77±0.14	< 0.39	< 0.62	-	-	-
2025/05/01 12:00	2025/05/02 00:00	< 0.34	3.77±0.14	< 0.33	< 0.60	-	-	-
2025/05/02 00:00	2025/05/02 12:00	< 0.34	3.38±0.14	< 0.33	< 0.61	-	-	-
2025/05/02 12:00	2025/05/03 00:00	< 0.25	1.90±0.09	< 0.25	< 0.59	-	-	-
2025/05/03 00:00	2025/05/03 12:00	< 0.21	0.96±0.09	< 0.19	< 0.68	-	-	-
2025/05/03 12:00	2025/05/04 00:00	< 0.22	1.31±0.10	< 0.21	< 0.67	-	-	-
2025/05/04 00:00	2025/05/04 12:00	< 0.18	0.81±0.08	< 0.18	< 0.61	-	-	-
2025/05/04 12:00	2025/05/05 00:00	< 0.20	0.99±0.07	< 0.19	< 0.67	-	-	-
2025/05/05 00:00	2025/05/05 12:00	< 0.26	1.55±0.09	< 0.25	< 0.69	-	-	-
2025/05/05 12:00	2025/05/06 00:00	< 0.18	0.62±0.06	< 0.17	< 0.62	-	-	-
2025/05/06 00:00	2025/05/06 12:00	< 0.19	0.42±0.06	< 0.16	< 0.62	-	-	-
2025/05/06 12:00	2025/05/07 00:00	< 0.13	0.26±0.07	< 0.12	< 0.67	-	-	-
2025/05/07 00:00	2025/05/07 12:00	< 0.15	0.39±0.07	< 0.14	< 0.71	-	-	-
2025/05/07 12:00	2025/05/08 00:00	< 0.15	0.45±0.06	< 0.17	< 0.65	-	-	-
2025/05/08 00:00	2025/05/08 12:00	< 0.16	0.33±0.05	< 0.15	< 0.69	-	-	-
2025/05/08 12:00	2025/05/09 00:00	< 0.13	0.20±0.05	< 0.13	< 0.67	-	-	-
2025/05/09 00:00	2025/05/09 12:00	< 0.12	0.20±0.05	< 0.12	< 0.60	-	-	-
2025/05/09 12:00	2025/05/10 00:00	0.09±0.03	< 0.21	0.10±0.03	< 0.67	1.11	-	-
2025/05/10 00:00	2025/05/10 12:00	< 0.14	0.27±0.05	< 0.12	< 0.60	-	-	-
2025/05/10 12:00	2025/05/11 00:00	< 0.08	< 0.15	< 0.09	< 0.66	-	-	-
2025/05/11 00:00	2025/05/11 12:00	< 0.14	0.26±0.06	< 0.13	< 0.68	-	-	-
2025/05/11 12:00	2025/05/12 00:00	< 0.13	0.31±0.06	< 0.13	< 0.58	-	-	-
2025/05/12 00:00	2025/05/12 12:00	< 0.15	0.27±0.05	< 0.14	< 0.66	-	-	-
2025/05/12 12:00	2025/05/13 00:00	< 0.14	< 0.15	< 0.12	< 0.65	-	-	-
2025/05/13 00:00	2025/05/13 12:00	< 0.13	0.25±0.05	< 0.11	< 0.60	-	-	-
2025/05/13 12:00	2025/05/14 00:00	< 0.11	0.27±0.06	< 0.10	< 0.66	-	-	-
2025/05/14 00:00	2025/05/14 12:00	< 0.12	0.21±0.05	< 0.12	< 0.61	-	-	-
2025/05/14 12:00	2025/05/15 00:00	< 0.08	< 0.19	< 0.08	< 0.60	-	-	-
2025/05/15 00:00	2025/05/15 12:00	< 0.13	0.21±0.05	< 0.11	< 0.59	-	-	-

2025/5/15-2025/5/27 : No data (equipment malfunction)

2025/05/27 11:43	2025/05/27 23:43	< 0.23	1.52±0.08	< 0.22	< 0.60	-	-	-
2025/05/27 23:43	2025/05/28 11:43	< 0.21	1.09±0.07	< 0.20	< 0.67	-	-	-
2025/05/28 11:43	2025/05/28 23:43	< 0.18	0.84±0.07	< 0.17	< 0.57	-	-	-
2025/05/28 23:43	2025/05/29 11:43	< 0.19	0.79±0.07	< 0.19	< 0.68	-	-	-
2025/05/29 11:43	2025/05/29 23:43	< 0.17	0.62±0.07	< 0.16	< 0.58	-	-	-
2025/05/29 23:43	2025/05/30 11:43	< 0.18	0.61±0.06	< 0.17	< 0.67	-	-	-
2025/05/30 11:43	2025/05/31 00:00	< 0.14	0.57±0.05	< 0.14	< 0.57	-	-	-
2025/05/31 00:00	2025/05/31 12:00	< 0.15	0.44±0.07	< 0.16	< 0.62	-	-	-

\*1 Radioxenon concentrations were expressed as radioactivity concentration ± combined standard uncertainty.

\*2 Radioxenon concentrations below the detection limit were reported as the detection limit. (e.g., "< 0.50" indicates a value less than 0.50 mBq/m<sup>3</sup>).

\*3 "-" indicates that calculation was not possible because the concentration of one or both xenon isotopes was below the detection limit.