

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

Data period:2025/6/1~2025/6/30

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
2025/05/31 12:00	2025/06/01 00:00	< 0.15	0.43±0.05	< 0.15	< 0.59	-	-	-
2025/06/01 00:00	2025/06/01 12:01	< 0.15	0.39±0.06	< 0.16	< 0.67	-	-	-
2025/06/01 12:01	2025/06/02 00:01	< 0.14	0.37±0.05	< 0.14	< 0.64	-	-	-
2025/06/02 00:01	2025/06/02 12:01	< 0.15	0.48±0.06	< 0.15	< 0.59	-	-	-
2025/06/02 12:01	2025/06/03 00:01	< 0.13	0.32±0.06	< 0.14	< 0.65	-	-	-
2025/06/03 00:01	2025/06/03 12:01	< 0.14	0.23±0.05	< 0.12	< 0.60	-	-	-
2025/06/03 12:01	2025/06/04 00:01	0.08±0.03	< 0.21	0.08±0.03	< 0.69	1.00	-	-
2025/06/04 00:01	2025/06/04 12:01	< 0.14	0.38±0.05	< 0.13	< 0.59	-	-	-
2025/06/04 12:01	2025/06/05 00:01	0.13±0.04	0.23±0.06	< 0.12	< 0.59	-	-	-
2025/06/05 00:01	2025/06/05 12:01	< 0.33	3.24±0.11	< 0.31	< 0.60	-	-	-
2025/06/05 12:01	2025/06/06 00:01	< 0.24	1.66±0.10	< 0.23	< 0.65	-	-	-
2025/06/06 00:01	2025/06/06 12:01	< 0.15	0.29±0.05	< 0.14	< 0.61	-	-	-
2025/06/06 12:01	2025/06/07 00:01	< 0.08	< 0.21	< 0.07	< 0.67	-	-	-
2025/06/07 00:01	2025/06/07 12:01	< 0.15	0.18±0.05	< 0.13	< 0.79	-	-	-
2025/06/07 12:01	2025/06/08 00:01	0.13±0.03	< 0.21	0.10±0.03	< 0.64	0.77	-	-
2025/06/08 00:01	2025/06/08 12:01	< 0.12	0.23±0.05	< 0.13	< 0.61	-	-	-

2025/6/8-2025/6/12 : No data (equipment malfunction)

2025/06/12 00:01	2025/06/12 12:01	< 0.14	0.25±0.05	< 0.12	< 0.69	-	-	-
2025/06/12 12:01	2025/06/13 00:01	< 0.39	5.08±0.15	< 0.38	< 0.58	-	-	-
2025/06/13 00:01	2025/06/13 12:01	0.69±0.17	9.14±0.23	< 0.50	< 0.67	-	-	-
2025/06/13 12:01	2025/06/14 00:01	< 0.70	17.44±0.31	< 0.68	< 0.57	-	-	-
2025/06/14 00:01	2025/06/14 12:01	0.87±0.22	16.09±0.28	< 0.65	< 0.60	-	-	-
2025/06/14 12:01	2025/06/15 00:01	< 0.58	11.50±0.20	< 0.57	< 0.65	-	-	-
2025/06/15 00:01	2025/06/15 12:01	< 0.18	0.81±0.07	< 0.17	< 0.67	-	-	-
2025/06/15 12:01	2025/06/16 00:01	< 0.15	0.39±0.05	< 0.15	< 0.56	-	-	-
2025/06/16 00:01	2025/06/16 12:01	< 0.22	1.17±0.09	< 0.21	< 0.67	-	-	-
2025/06/16 12:01	2025/06/17 00:01	< 0.21	1.11±0.07	< 0.20	< 0.65	-	-	-
2025/06/17 00:01	2025/06/17 12:01	< 0.13	< 0.14	< 0.13	< 0.65	-	-	-
2025/06/17 12:01	2025/06/18 00:01	< 0.14	0.42±0.05	< 0.13	< 0.66	-	-	-
2025/06/18 00:01	2025/06/18 12:01	< 0.14	0.33±0.05	< 0.15	< 0.66	-	-	-
2025/06/18 12:01	2025/06/19 00:01	< 0.11	0.14±0.04	< 0.12	< 0.59	-	-	-
2025/06/19 00:01	2025/06/19 12:01	0.10±0.03	< 0.18	< 0.10	< 0.68	-	-	-
2025/06/19 12:01	2025/06/20 00:01	< 0.06	< 0.14	< 0.06	< 0.58	-	-	-
2025/06/20 00:01	2025/06/20 12:01	< 0.13	< 0.20	< 0.13	< 0.65	-	-	-
2025/06/20 12:01	2025/06/21 00:01	< 0.13	0.27±0.06	< 0.13	< 0.57	-	-	-
2025/06/21 00:01	2025/06/21 12:01	< 0.10	0.13±0.04	< 0.09	< 0.58	-	-	-
2025/06/21 12:01	2025/06/22 00:01	< 0.08	< 0.18	< 0.08	< 0.65	-	-	-
2025/06/22 00:01	2025/06/22 12:01	< 0.13	< 0.14	< 0.13	< 0.67	-	-	-
2025/06/22 12:01	2025/06/23 00:01	< 0.07	< 0.12	< 0.07	< 0.58	-	-	-
2025/06/23 00:01	2025/06/23 12:01	< 0.10	< 0.16	< 0.08	< 0.66	-	-	-
2025/06/23 12:01	2025/06/24 00:01	< 0.08	< 0.16	< 0.07	< 0.58	-	-	-
2025/06/24 00:01	2025/06/24 12:01	< 0.09	< 0.14	< 0.09	< 0.59	-	-	-
2025/06/24 12:01	2025/06/25 00:01	< 0.09	< 0.14	< 0.07	< 0.60	-	-	-
2025/06/25 00:01	2025/06/25 12:01	< 0.12	< 0.14	< 0.12	< 0.60	-	-	-
2025/06/25 12:01	2025/06/26 00:01	< 0.11	< 0.13	< 0.10	< 0.56	-	-	-
2025/06/26 00:01	2025/06/26 12:01	< 0.11	< 0.13	< 0.10	< 0.58	-	-	-

2025/6/26-2025/6/29 : No data (Scheduled outage)

2025/06/29 00:02	2025/06/29 12:02	< 0.25	1.61±0.08	< 0.24	< 0.58	-	-	-
2025/06/29 12:02	2025/06/30 00:02	< 0.21	1.22±0.08	< 0.20	< 0.66	-	-	-
2025/06/30 00:02	2025/06/30 12:02	< 0.23	1.43±0.08	< 0.22	< 0.60	-	-	-

\*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.