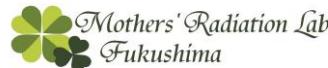


Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result		Uncertainty	Total Amount of Cesium	Minimum Limit of Detection	
Soil	Okuma, Futaba, Fukushima	Dec-22	CA	Cs137	27146.0	Bq/kg dry	± 185.6	Cs137	33.9 Bq/kg dry
				Cs134	649.1	Bq/kg dry	± 23.0	Cs134	44.9 Bq/kg dry
Soil	Okuma, Futaba, Fukushima	Dec-22	CA	Cs137	23629.0	Bq/kg dry	± 187.7	Cs137	38.7 Bq/kg dry
				Cs134	577.2	Bq/kg dry	± 23.4	Cs134	39.8 Bq/kg dry
Soil	Okuma, Futaba, Fukushima	Dec-22	CA	Cs137	23164.0	Bq/kg dry	± 190.6	Cs137	35.0 Bq/kg dry
				Cs134	577.5	Bq/kg dry	± 23.9	Cs134	46.1 Bq/kg dry
Soil	Okuma, Futaba, Fukushima	Dec-22	CA	Cs137	19013.0	Bq/kg dry	± 185.9	Cs137	38.2 Bq/kg dry
				Cs134	463.8	Bq/kg dry	± 23.1	Cs134	44.4 Bq/kg dry
Soil	Okuma, Futaba, Fukushima	Dec-22	CA	Cs137	11256.0	Bq/kg dry	± 140.8	Cs137	27.8 Bq/kg dry
				Cs134	272.6	Bq/kg dry	± 17.6	Cs134	31.0 Bq/kg dry
Soil	Okuma, Futaba, Fukushima	Dec-22	CA	Cs137	10722.0	Bq/kg dry	± 138.0	Cs137	27.1 Bq/kg dry
				Cs134	259.3	Bq/kg dry	± 18.3	Cs134	34.0 Bq/kg dry
Soil	Okuma, Futaba, Fukushima	Dec-22	CA	Cs137	8649.7	Bq/kg dry	± 132.3	Cs137	28.7 Bq/kg dry
				Cs134	224.8	Bq/kg dry	± 16.9	Cs134	30.1 Bq/kg dry
Soil	Okuma, Futaba, Fukushima	Dec-22	CA	Cs137	8586.6	Bq/kg dry	± 132.6	Cs137	29.0 Bq/kg dry
				Cs134	206.3	Bq/kg dry	± 17.2	Cs134	32.6 Bq/kg dry
Soil	Okuma, Futaba, Fukushima	Dec-22	CA	Cs137	4245.3	Bq/kg dry	± 80.4	Cs137	19.1 Bq/kg dry
				Cs134	108.8	Bq/kg dry	± 11.3	Cs134	26.3 Bq/kg dry
Soil	Okuma, Futaba, Fukushima	Dec-22	CA	Cs137	6809.0	Bq/kg dry	± 102.2	Cs137	20.5 Bq/kg dry
				Cs134	175.5	Bq/kg dry	± 14.1	Cs134	30.5 Bq/kg dry
Soil	Okuma, Futaba, Fukushima	Dec-22	CA	Cs137	3676.2	Bq/kg dry	± 75.6	Cs137	19.4 Bq/kg dry
				Cs134	96.5	Bq/kg dry	± 10.4	Cs134	21.2 Bq/kg dry
Soil	Okuma, Futaba, Fukushima	Dec-22	CA	Cs137	3299.7	Bq/kg dry	± 22.0	Cs137	5.1 Bq/kg dry
				Cs134	85.0	Bq/kg dry	± 3.0	Cs134	5.7 Bq/kg dry
Soil	Okuma, Futaba, Fukushima	Dec-22	CA	Cs137	186.6	Bq/kg dry	± 4.1	Cs137	2.4 Bq/kg dry
				Cs134	4.6	Bq/kg dry	± 0.9	Cs134	2.3 Bq/kg dry
Wood ash (Wood-burning stove)	Sagae, Yamagata	Nov-22	CA	Cs137	305.9	Bq/kg dry	± 4.2	Cs137	2.4 Bq/kg dry
				Cs134	7.8	Bq/kg dry	± 1.1	Cs134	2.8 Bq/kg dry
								313.7	

※"_" used in Measurement Result and Uncertainty shows that the value is below the detection limit.

But it does not necessary mean 0(zero)Bq/kg.



★Beta-ray

Measuring instrument		Feature
Liquid Scintillation Counter		
Product of Hidex HIDEX 300SLL	Product of PerkinElmer Japan Quantulus GCT 622	Equipment for measuring low-energy beta-ray emission nuclides
		<p>Measuring nuclide Strontium90 Half-life 30 years Organically bound 3H Half-life 12.3 years Free-water 3H Half-life 12.3 years</p> <p>All samples are measured in liquid condition after several days of pretreatment.</p>

(Bq/Kg raw:Weight of raw sample Bq/Kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measurement Result			Uncertainty	Minimum Limit of Detection
River water	Takase River/ Kamikita,Aomori	May-22	T (free)	0.34	Bq/L	± 0.13 Bq/L	0.12 Bq/L
Goldeye rockfish (head/bone)	Off the coast of Fukushima Nuclear Power Plant1	Aug-22	Sr90	0.33	Bq/kg dry	± 0.14 Bq/kg dry	0.21 Bq/kg dry
Fox jacopever (head/bone)	Off the coast of Fukushima Nuclear Power Plant1	Aug-22	Sr90	Under Minimum Limit of Detection	Bq/kg dry	± — Bq/kg dry	0.12 Bq/kg dry
Lake water A (lower)	Lake Kasumigaura/ Ibaraki	Oct-22	Sr90	0.0006	Bq/L	± 0.0003 Bq/L	0.0005 Bq/L
Lake water B (surface)	Lake Kasumigaura/ Ibaraki	Oct-22	Sr90	0.0011	Bq/L	± 0.0004 Bq/L	0.0005 Bq/L
Soil	Okuma,Futaba, Fukuhsima	Dec-22	Sr90	11.74	Bq/kg dry	± 1.28 Bq/kg dry	1.83 Bq/kg dry
Soil	Okuma,Futaba, Fukuhsima	Dec-22	Sr90	8.59	Bq/kg dry	± 1.09 Bq/kg dry	1.57 Bq/kg dry
Soil	Okuma,Futaba, Fukuhsima	Dec-22	Sr90	7.87	Bq/kg dry	± 1.17 Bq/kg dry	1.70 Bq/kg dry
Soil	Okuma,Futaba, Fukuhsima	Dec-22	Sr90	6.37	Bq/kg dry	± 1.13 Bq/kg dry	1.16 Bq/kg dry
Soil	Okuma,Futaba, Fukuhsima	Dec-22	Sr90	2.66	Bq/kg dry	± 1.01 Bq/kg dry	1.51 Bq/kg dry
Lake bottom soil 0-5cm	Lake Hibara/ Fukushima	Oct-22	Sr90	3.34	Bq/kg dry	± 1.22 Bq/kg dry	1.81 Bq/kg dry

※"—" used in Measurement Result and Uncertainty shows that the value is below the detection limit.

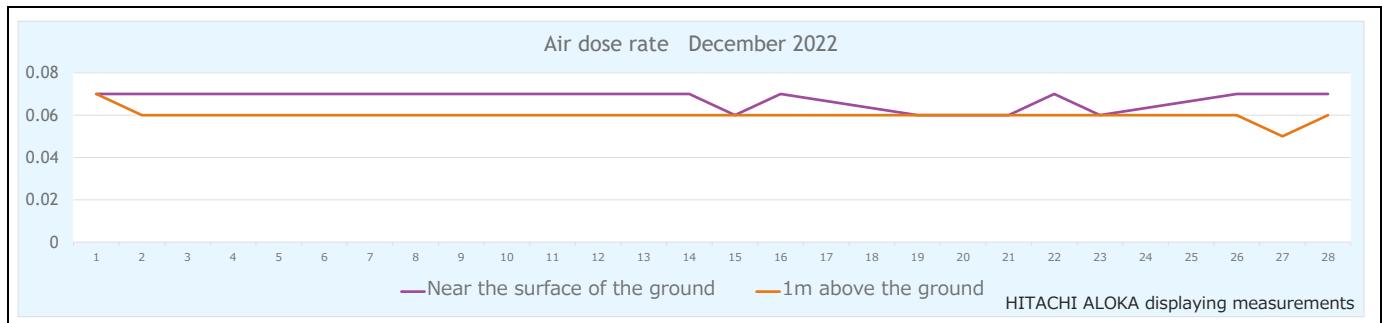
But it does not necessary mean 0(zero)Bq/kg.



Air dose rate December 2022

Measuring Instrument		Measuring Place	
CsI Scintillation survey meter	NaI Scintillation survey meter	Yokocho Park, Onahama, Iwaki, Fukushima	
⑧HITACHI ALOKA TCS-1172	⑦HORIBA Radi PA-1100		
			

Feature: Measuring air (space) radiation dose and radioactive surface contamination of human body and other things.



	測定器	HITACHI ALOKA	HORIBA Radi	HITACHI ALOKA	HORIBA Radi
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2022/12/1		0.07	0.088	0.07	0.066
2022/12/2		0.07	0.071	0.06	0.061
Measuring Date					
2022/12/5		0.07	0.072	0.06	0.065
2022/12/6		0.07	0.07	0.06	0.067
2022/12/7		0.07	0.07	0.06	0.062
2022/12/8		0.07	0.067	0.06	0.062
2022/12/9		0.07	0.084	0.06	0.059
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2022/12/12		0.07	0.07	0.06	0.067
2022/12/13		0.07	0.075	0.06	0.062
2022/12/14		0.07	0.071	0.06	0.068
2022/12/15		0.06	0.069	0.06	0.066
2022/12/16		0.07	0.073	0.06	0.066
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2022/12/19		0.06	0.069	0.06	0.062
2022/12/20		0.06	0.068	0.06	0.061
2022/12/21		0.06	0.068	0.06	0.065
2022/12/22		0.07	0.075	0.06	0.068
2022/12/23		0.06	0.065	0.06	0.062
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2022/12/26		0.07	0.073	0.06	0.067
2022/12/27		0.07	0.062	0.05	0.057
2022/12/28		0.07	0.073	0.06	0.053