



















★Beta-ray

Measuring instrument		Feature
Liquid Scintillation Counter		
Product of Hidex HIDEX 300SSL	Product of PerkinElmer Japan Quantulus GCT 6220	Equipment for measuring low-energy beta-ray emission nuclides  Measuring nuclide Strontium90                  Half-life 30 years Organic bound                  Half-life 12.3 years Free-water tritium                  Half-life 12.3 years  All samples are measured in liquid condition after several days of pretreatment.
		

(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	
Sea water C (surface)	Off the coast of Fukushima Nuclear Power Plant1	May-21	T (Free)	Under Minimum Limit of Detection	Bq/L	± — Bq/L	0.14 Bq/L
Sea water D (surface)	Off the coast of Fukushima Nuclear Power Plant1	May-21	T (Free)	Under Minimum Limit of Detection	Bq/L	± — Bq/L	0.14 Bq/L
Sea water (surface)	Tomioka Port/Fukushima Pref.	May-21	T (Free)	Under Minimum Limit of Detection	Bq/L	± — Bq/L	0.14 Bq/L
Black seabastes (flesh)	Off the coast of Fukushima Nuclear Power Plant1	May-21	T (Organic)	Under Minimum Limit of Detection	Bq/kg dry	± — Bq/kg dry	1.11 Bq/kg dry
Mackerel(flesh)	Off the coast of Fukushima Nuclear Power Plant1	May-21	T (Organic)	Under Minimum Limit of Detection	Bq/kg dry	± — Bq/kg dry	1.12 Bq/kg dry
Fox jacopever (bone · head)	Off the coast of Fukushima Nuclear Power Plant1	Nov-19	Sr90	<b>0.12</b>	Bq/kg dry	± 0.07 Bq/kg dry	0.11 Bq/kg dry
Fox jacopever (bone · head)	Off the coast of Fukushima Nuclear Power Plant1	Nov-20	Sr90	<b>0.85</b>	Bq/kg dry	± 0.08 Bq/kg dry	0.11 Bq/kg dry
Flounder (bone · head)	Off the coast of Fukushima Nuclear Power Plant1	Nov-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	± — Bq/kg dry	0.11 Bq/kg dry
Yellowtail (bone · head)	Off the coast of Fukushima Nuclear Power Plant1	Nov-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	± — Bq/kg dry	0.10 Bq/kg dry
Deer(bone)	Yamada, Shimohei, Iwate	May-21	Sr90	<b>70.8</b>	Bq/kg dry	± 1.17 Bq/kg dry	1.10 Bq/kg dry
Soil	Nakahara Park Onahama, Iwaki	Apr-20	Sr90	<b>1.63</b>	Bq/kg dry	± 0.95 Bq/kg dry	1.43 Bq/kg dry
Soil	Hurutachi Park Onahamakimigaduka, Iwaki	Apr-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	± — Bq/kg dry	1.48 Bq/kg dry
Soil	Gongenzan Park OnahamaOkaona, Iwaki	Apr-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	± — Bq/kg dry	1.44 Bq/kg dry
Soil	Minato Park Onahamasuimatsu, Iwaki	Apr-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	± — Bq/kg dry	1.45 Bq/kg dry
Soil	Yoshihama Park Onahamayoshihama, Iwaki	Apr-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	± — Bq/kg dry	1.70 Bq/kg dry
Soil	Rokutanda Park OnahamaOhara, Iwaki	May-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	± — Bq/kg dry	1.46 Bq/kg dry
Soil	Shinchi children's Park OnahamaOhara, Iwaki	May-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	± — Bq/kg dry	1.53 Bq/kg dry
Soil	Akarino Park OnahamaTouroubara, Iwaki	May-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	± — Bq/kg dry	1.72 Bq/kg dry

(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	
Tap water	Tairashimokabeya, Iwaki	Apr-21	Sr90	Under Minimum Limit of Detection	Bq/L	± —	Bq/L	0.0006 Bq/L
Tap water	Jyoban, Iwaki	Apr-21	Sr90	Under Minimum Limit of Detection	Bq/L	± —	Bq/L	0.0007 Bq/L
Sea water A (surface)	Off the coast of Fukushima Nuclear Power Plant 1	May-21	Sr90	0.0011	Bq/L	± 0.0005	Bq/L	0.0007 Bq/L
Sea water A (lower)	Off the coast of Fukushima Nuclear Power Plant 1	May-21	Sr90	Under Minimum Limit of Detection	Bq/L	± —	Bq/L	0.0006 Bq/L
Sea water B (surface)	Off the coast of Fukushima Nuclear Power Plant 1	May-21	Sr90	0.0009	Bq/L	± 0.0004	Bq/L	0.0007 Bq/L
Sea water B (lower)	Off the coast of Fukushima Nuclear Power Plant 1	May-21	Sr90	0.0008	Bq/L	± 0.0004	Bq/L	0.0006 Bq/L



