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= Environmental and Dietary Materials =

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Contents

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Environmental and Dietary Materials

1. Sampling and retrieval

(1) Rain and dry fallout

Rain and dry fallout were collected monthly in a stainless steel tray, 5000cm^2 in area. Deionized water was put into the tray so that the water level was kept more than 1cm during the sampling period.

At the end of the month, the water in the tray was transferred to a bottle. Water was added to the tray and the side and bottom were scrubbed. The slurry was transferred to the bottle. The washing was repeated with deionized water.

Mixed carrier solution of strontium and cesium was added to the sample. The sample solution was evaporated to dryness.

(2) Airborne dust

Airborne dust was collected by an appropriate filter and an air mover. The air mover was operated at a flow rate more than 3000 m^3 per month for three month sampling periods. The filter holder with the filter was mounted on a stand 1 to 1.5 m above the ground.

(3) Service water and fresh water

Water sample (service water, tap water or fresh water), 100L of each, was collected at the intake of the water-treatment plant and at the tap in the plant. The tap water sample was collected from the tap after water was left running for few minutes.

Mixed carrier solution of strontium and cesium was added to the sample. The sample solution was evaporated to dryness.

(4) Soil

Soil sample was collected from the locations in spacious, flat and undisturbed area. Soil core was taken from two layers of different depths, 5 cm (surface soil) and 5 – 20 cm. The sample was dried at 105°C and then passed through 2 mm sieve after removal of pebbles and plant roots.

(5) Seawater

Seawater was collected at the fixed stations. The seawater was put into 20 L polyethylene containers and then acidified with concentrated hydrochloric acid. Two hundred ml of seawater was also collected simultaneously at the same stations to determine the chlorinity of the samples.

(6) Sediment

Sediment was collected using a conventional sediment sampler at the same stations for the seawater sample. The sampling stations were selected taking the following criteria into account.

a. The depth of water exceeds 1 m at low tide.
b. Significant sediment movement is not observed in the vicinity of the sampling stations.

The sample collected was spread on a stainless steel dish after filtration of water. The sample was dried at 105°C in a drying oven and then passed through 2mm sieve after removal of pebbles, shells and other foreign materials.

(7) Total diet

“Total diet” means whole dietary food for five persons in one day. The sample was dried at 105°C and was reduced to ashes at 450°C in porcelain dishes in an electric furnace.

(8) Rice

Polished rice was collected or purchased at a rice-producing district or in consuming area. The sample was dried at 105°C and was reduced to ashes at 450°C in porcelain dishes in an electric furnace.

(9) Milk

Raw milk was collected in producing districts and commercial milk was purchased in consuming area. Milk sample was evaporated to dryness in a steel or porcelain dish or dried at 105°C in porcelain dishes and reduced to ashes at 450°C in an electric furnace.

(10) Vegetables

Spinach and Japanese radish were selected as the representatives for edible herbs and for edible roots, respectively. After removing soil, the samples was dried at 105°C and reduced to ashes at 450°C in porcelain dishes in an electric furnace.

(11) Tea

Manufactured green tea was collected. The sample was dried at 105°C and was reduced to ashes at 450°C in a steel or porcelain dishes in an electric furnace.

(12) Fish, shellfish and seaweeds

a. Sea fish and freshwater fish

Fish was collected or purchased. After

removing inedible part of big fish sample, the sample was dried at 105°C and reduced to ashes at 450°C in porcelain dishes in an electric furnace.

b. Shellfish

Shellfish was collected or purchased. After removing the shells, the sample was dried at 105°C and reduced to ashes at 450°C in porcelain dishes in an electric furnace.

c. Seaweeds

Edible seaweeds were collected. After removing sand and adhering materials, the samples were dried at 105°C and reduced to ashes at 450°C in porcelain dishes in an electric furnace.

Table 1 Details of sample collection

Sample	Frequency of sampling	Quantity of sample
= Environmental materials =		
(1) Rain and dry fallout	Monthly	
(2) Airborne dust	Quarterly	10000 m^3 /3 months
(3) Service water and freshwater		
1. Service water (source water)	Semiannually	100 L
2. Service water (tap water)	Semiannually	100 L
3. Freshwater	Yearly (fishing season)	100 L
(4) Soil		
1. 0～5 cm	Yearly	4 kg
2. 5～20 cm	Yearly	12 kg
(5) Seawater	Yearly	40 L
(6) Sea sediments	Yearly	4 kg
= Dietary materials =		
(7) Total diet	Semiannually	Daily amount for 5 persons
(8) Rice		
1. Producing districts	Yearly (harvesting season)	3 kg (polished rice)
2. Consuming districts	Yearly (harvesting season)	3 kg (polished rice)
(9) Milk		
1. Producing districts	Quarterly (February, May, August and November)	3 L
2. Consuming districts	Semiannually (February and August)	3 L
3. Powdered milk	Semiannually (January and June)	2～3 kg
(10) Vegetables		
1. Producing districts	Yearly (harvesting season)	4 kg
2. Consuming districts	Yearly (harvesting season)	4 kg
(11) Tea	Yearly (the first harvesting season)	500 g (manufactured tea)
(12) Fish, shellfish and seaweeds		
1. Sea fish	Yearly (fishing season)	4 kg
2. Freshwater fish	Yearly (fishing season)	4 kg
3. Shellfish	Yearly (fishing season)	4～5 kg
4. Seaweeds	Yearly (fishing season)	2～3 kg

2. Preparation of samples for radiochemical analysis

(1) Rain, service water and fresh water

The residue evaporated to dryness was decomposed with nitric acid and dissolved in hydrochloric acid.

(2) Soil and sea sediment

Dried sample was ground into small particle (<0.25 mm in size) using a crusher. The sieved sample was heated in an electric muffle furnace at 450°C. After that, mixed carrier solution of strontium and cesium and hydrochloric acid were added to the sample and the sample was heated for three hours. The mixture was stirred intermittently during the heating process. Then the solution was filtered.

(3) Rice

The ash sample was ground and passed through a 0.35 mm sieve. After sieving, mixed carrier solution of strontium and cesium and aqua regia were added to the sample, and the mixture was heated. The sample solution was evaporated to dryness. The residue was decomposed with nitric acid and dissolved in hydrochloric acid. The solution was filtered.

(4) Airborne dust, total diet, milk, vegetables, shell fish, seaweeds, tea and others

The samples were treated with the same procedure described in the section 2 (3).

3. Radiochemical separation of strontium-90 and cesium-137

(1) Strontium-90

The acidic sample solution, prepared as described in the section 2, was alkalinized with sodium hydroxide. Alkaline earth carbonate was precipitated by adding sodium carbonate. The supernatant was retained for determination of cesium-137.

The carbonate was dissolved in hydrochloric acid. Alkaline earth oxalates was precipitated at pH 4.2 by adding aqueous ammonia. The oxalate was heated at 600°C in an electric furnace. The residue was dissolved in 0.5M hydrochloric acid. The solution was passed through a chromatographic column containing a cation exchange resin. Strontium absorbed on the resin was eluted with 2M ammonium acetate. The strontium fraction was evaporated to dryness. The residue was dissolved in water and iron carrier solution was added. The solution was alkalinized with carbonate-free aqueous ammonia and heated to complete the precipitation. The precipitation was filtered and discarded. The filtrate was diluted up to an appropriate volume with deionized water and then the strontium concentration was measured by ICP-AES to determine strontium recovery yield. Iron carrier solution was added to the sample solution. The solution was stored for at least 2 weeks. Yttrium-90 was co-precipitated with ferric hydroxide. The precipitate was filtered through a filter paper and mounted into a steel planchet.

(2) Cesium-137

After precipitating strontium carbonate, the supernatant was acidified with hydrochloric acid. Ammonium phosphomolybdate was added to adsorb cesium while stirring the mixture for thirty minutes and allowed to stand. After the supernatant was decanted off and discarded, the solid was dissolved in 6M sodium hydroxide. The solution was adjusted to pH 8.2 with hydrochloric acid. The solution was filtered. Ethylenediaminetetraacetic acid tetrasodium solution was added to the filtrate. The solution was passed through a chromatographic column containing a cation exchange resin to absorb cesium. Cesium was eluted from the column with 2M hydrochloric acid. The cesium fraction was evaporated to dryness. The residue was dissolved in water. Chloroplatinatic acid was added to the solution to produce cesium precipitate. The precipitate was filtered through a filter paper and weighed to determine the cesium recovery yield. The precipitate was covered with a mylar film and mounted into a steel planchet.

4. Determination of stable strontium, calcium and potassium

An weighed amount of soil or sea sediment was heated at 450°C in an electric muffle furnace and then treated with hydrochloric acid for extraction. The weighed aliquot of ashed samples of the total diet, vegetables, milk, fish, shellfish or

seaweeds were decomposed with nitric acid and dissolved in hydrochloric acid. After filtered, the solution was diluted up to an appropriate volume with deionized water. Stable strontium and calcium were determined by ICP-AES and potassium was determined by flame photometry.

5. Counting

After the radiochemical separation, the mounted precipitates were counted for radioactivity using low background gas-flow type GM counters for 60 to 90 minutes.

Net sample counting rates were corrected for counting efficiency, decay and chemical recovery yield. From the results, radioactivity concentrations of strontium-90 and cesium-137 in the original samples were obtained.

The radioactivity concentrations were shown in 2 significant figures. The errors were derived only from the counting errors.

Figure 1. Sampling locations of Environmental and Dietary materials

6. Results

(1) Strontium-90 and Cesium-137 in Rain and dry fallout
(from Apr.2007 to Mar.2008)

Table (1) : Strontium-90 and Cesium-137 in Rain and dry fallout

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Apr.2007								
Sapporo,HOKKAIDO	29	40.5	0.016	±	0.012	0.036	±	0.010
Aomori,AOMORI	29	74.5	0.034	±	0.014	0.040	±	0.011
Morioka,IWATE	29	91.0	0.028	±	0.014	0.030	±	0.011
Onagawa-machi,MIYAGI	29	66.0	0.017	±	0.015	0.029	±	0.0093
Akita,AKITA	29	97.4	0.064	±	0.017	0.086	±	0.012
Yamagata,YAMAGATA	29	67.5	0.027	±	0.021	0.025	±	0.0094
Okuma-machi,FUKUSHIMA	29	91.0	0.037	±	0.017	0.039	±	0.010
Hitachinaka,IBARAKI	32	82.5	0.043	±	0.017	0.15	±	0.015
Utsunomiya,TOCHIGI	29	103.8	0.011	±	0.014	0.11	±	0.014
Maebashi,GUNMA	29	65.5	0.007	±	0.015	0.085	±	0.017
Saitama,SAITAMA	29	125.8	0.049	±	0.013	0.13	±	0.014
Ichihara,CHIBA	29	116.7	0.015	±	0.014	0.040	±	0.011
Chiba,CHIBA	30	117.9	0.018	±	0.014	0.060	±	0.012
Shinjuku,TOKYO	29	145.8	0.030	±	0.019	0.060	±	0.012
Chigasaki,KANAGAWA	32	113.8	0.035	±	0.014	0.080	±	0.013
Niigata,NIIGATA	29	94.2	0.025	±	0.015	0.12	±	0.014
Imizu,TOYAMA	29	58.8	0.022	±	0.014	0.073	±	0.012
Kanazawa,ISHIKAWA	27	69.0	0.013	±	0.014	0.13	±	0.018
Fukui,FUKUI	29	72.6	0.045	±	0.060	0.022	±	0.041
Kofu,YAMANASHI	29	51.5	0.021	±	0.017	0.039	±	0.014
Nagano,NAGANO	29	28.0	0.021	±	0.013	0.0040	±	0.0082
Kakamigahara,GIFU	28	43.1	0.0000	±	0.0095	0.0098	±	0.0086
Shizuoka,SHIZUOKA	30	124.0	0.014	±	0.013	0.013	±	0.013
Nagoya,AICHI	29	28.1	0.006	±	0.012	0.000	±	0.012
Yokkaichi,MIE	29	28.5	0.024	±	0.014	0.0075	±	0.0086
Otsu,SHIGA	29	41.7	0.029	±	0.013	0.0023	±	0.0089
Kyoto,KYOTO	25	21.5	0.012	±	0.014	0.032	±	0.014
Osaka,OSAKA	32	53.0	0.016	±	0.011	0.014	±	0.010
Kobe,HYOGO	28	34.3	0.009	±	0.010	0.0080	±	0.0091

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Nara,NARA	29	67.5	0.033	±	0.017	0.017	±	0.013
Wakayama,WAKAYAMA	29	35.5	0.13	±	0.020	0.013	±	0.013
Yurihama-machi,TOTTORI	29	49.5	0.027	±	0.014	0.033	±	0.0092
Matsue,SHIMANE	33	53.5	0.043	±	0.012	0.11	±	0.011
Okayama,OKAYAMA	29	36.1	0.014	±	0.015	0.021	±	0.0095
Hiroshima,HIROSHIMA	29	92.1	0.0020	±	0.0098	0.012	±	0.0084
Yamaguchi,YAMAGUCHI	30	119.5	0.016	±	0.013	0.034	±	0.011
Ishii-machi,TOKUSHIMA	29	38.7	0.024	±	0.013	0.0035	±	0.0089
Takamatsu,KAGAWA	29	37.0	0.018	±	0.012	0.023	±	0.0090
Matsuyama,EHIME	29	56.0	0.036	±	0.017	0.034	±	0.014
Kochi,KOCHI	25	72.8	0.036	±	0.015	0.0046	±	0.0090
Dazaifu,FUKUOKA	29	111.9	0.001	±	0.012	0.031	±	0.013
Saga,SAGA	29	109.2	0.010	±	0.012	0.031	±	0.014
Omura,NAGASAKI	29	110.0	0.013	±	0.011	0.020	±	0.013
Uto,KUMAMOTO	29	121.3	0.009	±	0.013	0.033	±	0.0099
Oita,OITA	29	139.5	0.034	±	0.016	0.028	±	0.010
Miyazaki,MIYAZAKI	29	167.8	0.018	±	0.013	0.013	±	0.0085
Kagoshima,KAGOSHIMA	28	131.0	0.006	±	0.016	0.038	±	0.010
Uruma,OKINAWA	29	210.5	0.055	±	0.020	0.019	±	0.010
May 2007								
Sapporo,HOKKAIDO	31	88.0	0.046	±	0.016	0.032	±	0.0097
Aomori,AOMORI	31	51.0	0.040	±	0.015	0.056	±	0.012
Morioka,IWATE	31	126.8	0.009	±	0.013	0.080	±	0.013
Onagawa-machi,MIYAGI	31	102.5	0.000	±	0.014	0.039	±	0.010
Akita,AKITA	31	101.6	0.013	±	0.013	0.092	±	0.013
Yamagata,YAMAGATA	31	76.0	0.010	±	0.015	0.050	±	0.011
Okuma-machi,FUKUSHIMA	31	152.0	0.008	±	0.018	0.025	±	0.0096
Hitachinaka,IBARAKI	31	118.5	0.037	±	0.016	0.059	±	0.011
Utsunomiya,TOCHIGI	31	116.0	0.011	±	0.013	0.0092	±	0.0077
Maebashi,GUNMA	31	116.0	0.015	±	0.020	0.036	±	0.015
Saitama,SAITAMA	31	121.7	0.020	±	0.011	0.027	±	0.0099
Ichihara,CHIBA	31	129.6	0.013	±	0.012	0.025	±	0.0096
Chiba,CHIBA	30	125.7	0.014	±	0.014	0.016	±	0.0097
Shinjuku,TOKYO	31	107.9	0.034	±	0.019	0.0000	±	0.0078

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Chigasaki,KANAGAWA	31	153.3	0.036	±	0.014	0.0090	±	0.0089
Niigata,NIIGATA	31	44.4	0.011	±	0.015	0.072	±	0.012
Imizu,TOYAMA	31	125.6	0.028	±	0.014	0.049	±	0.011
Kanazawa,ISHIKAWA	34	124.5	0.021	±	0.018	0.11	±	0.017
Fukui,FUKUI	31	140	0.14	±	0.083	0.003	±	0.043
Kofu,YAMANASHI	31	70.0	0.002	±	0.018	0.014	±	0.012
Nagano,NAGANO	31	85.5	0.011	±	0.013	0.033	±	0.010
Kakamigahara,GIFU	34	195.9	0.016	±	0.012	0.029	±	0.0099
Shizuoka,SHIZUOKA	30	214.5	0.003	±	0.014	0.002	±	0.012
Nagoya,AICHI	31	120.0	0.014	±	0.014	0.051	±	0.015
Yokkaichi,MIE	31	230.5	0.019	±	0.013	0.016	±	0.0085
Otsu,SHIGA	31	150.8	0.000	±	0.011	0.026	±	0.014
Kyoto,KYOTO	35	152.0	0.036	±	0.016	0.042	±	0.014
Osaka,OSAKA	30	161.4	0.009	±	0.013	0.035	±	0.010
Nara,NARA	31	194.4	0.000	±	0.015	0.021	±	0.013
Wakayama,WAKAYAMA	31	146.0	0.14	±	0.022	0.030	±	0.014
Yurihama-machi,TOTTORI	31	93.0	0.024	±	0.012	0.069	±	0.011
Matsue,SHIMANE	31	76.3	0.031	±	0.0092	0.065	±	0.011
Okayama,OKAYAMA	31	96.7	0.035	±	0.017	0.045	±	0.011
Hiroshima,HIROSHIMA	31	192.1	0.031	±	0.012	0.027	±	0.0093
Yamaguchi,YAMAGUCHI	31	128.5	0.008	±	0.011	0.037	±	0.0098
Ishii-machi,TOKUSHIMA	31	61.8	0.059	±	0.015	0.0000	±	0.0083
Takamatsu,KAGAWA	31	65.0	0.031	±	0.012	0.015	±	0.0078
Matsuyama,EHIME	31	87.0	0.013	±	0.016	0.004	±	0.013
Kochi,KOCHI	35	143.8	0.012	±	0.017	0.0047	±	0.0083
Dazaifu,FUKUOKA	31	53.6	0.013	±	0.013	0.017	±	0.013
Saga,SAGA	31	105.3	0.035	±	0.014	0.018	±	0.013
Omura,NAGASAKI	31	116.0	0.011	±	0.011	0.039	±	0.014
Uto,KUMAMOTO	31	138.2	0.024	±	0.015	0.056	±	0.011
Oita,OITA	31	80.5	0.023	±	0.014	0.020	±	0.013
Miyazaki,MIYAZAKI	31	158.6	0.000	±	0.012	0.018	±	0.010
Kagoshima,KAGOSHIMA	34	180.0	0.024	±	0.011	0.026	±	0.010
Uruma,OKINAWA	31	135.0	0.047	±	0.019	0.017	±	0.0097

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Jun.2007								
Sapporo,HOKKAIDO	31	60.5	0.017	±	0.014	0.023	±	0.013
Aomori,AOMORI	31	54.5	0.006	±	0.013	0.0044	±	0.0090
Morioka,IWATE	31	98.2	0.013	±	0.012	0.021	±	0.013
Onagawa-machi,MIYAGI	32	153.5	0.007	±	0.015	0.0023	±	0.0076
Akita,AKITA	31	122.5	0.010	±	0.016	0.015	±	0.0087
Yamagata,YAMAGATA	31	182.0	0.030	±	0.018	0.0059	±	0.0080
Okuma-machi,FUKUSHIMA	31	98.0	0.004	±	0.012	0.0023	±	0.0077
Hitachinaka,IBARAKI	31	144.0	0.009	±	0.015	0.000	±	0.013
Utsunomiya,TOCHIGI	31	133.3	0.009	±	0.014	0.011	±	0.0080
Maebashi,GUNMA	31	99.5	0.005	±	0.015	0.000	±	0.013
Saitama,SAITAMA	31	69.7	0.0000	±	0.0090	0.020	±	0.0093
Ichihara,CHIBA	31	67.0	0.018	±	0.013	0.0000	±	0.0080
Chiba,CHIBA	31	70.9	0.000	±	0.011	0.0059	±	0.0088
Shinjuku,TOKYO	31	81.4	0.030	±	0.019	0.0000	±	0.0074
Chigasaki,KANAGAWA	31	95.0	0.038	±	0.011	0.014	±	0.0079
Niigata,NIIGATA	31	253.7	0.038	±	0.016	0.016	±	0.0089
Imizu,TOYAMA	31	213.7	0.011	±	0.013	0.011	±	0.0092
Kanazawa,ISHIKAWA	29	183.5	0.035	±	0.018	0.012	±	0.0079
Fukui,FUKUI	31	272.6	0.055	±	0.059	0.000	±	0.039
Kofu,YAMANASHI	31	79.5	0.000	±	0.011	0.0023	±	0.0077
Nagano,NAGANO	31	141.0	0.025	±	0.014	0.0000	±	0.0074
Kakamigahara,GIFU	29	271.6	0.008	±	0.013	0.022	±	0.0095
Shizuoka,SHIZUOKA	31	210.0	0.021	±	0.015	0.010	±	0.012
Nagoya,AICHI	31	245.3	0.032	±	0.016	0.028	±	0.014
Yokkaichi,MIE	31	304.0	0.012	±	0.013	0.0000	±	0.0073
Otsu,SHIGA	31	218.6	0.000	±	0.013	0.0000	±	0.0070
Kyoto,KYOTO	32	198.0	0.000	±	0.011	0.047	±	0.014
Osaka,OSAKA	32	121.4	0.043	±	0.017	0.000	±	0.015
Kobe,HYOGO	29	123.1	0.010	±	0.012	0.0006	±	0.0080
Nara,NARA	31	173.0	0.000	±	0.014	0.004	±	0.012
Wakayama,WAKAYAMA	31	119.5	0.10	±	0.018	0.0085	±	0.0092
Yurihama-machi,TOTTORI	31	170.5	0.025	±	0.014	0.0075	±	0.0079
Okayama,OKAYAMA	31	95.5	0.000	±	0.017	0.0059	±	0.0088
Hiroshima,HIROSHIMA	31	84.7	0.002	±	0.010	0.0006	±	0.0076

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Yamaguchi,YAMAGUCHI	30	76.5	0.004	±	0.013	0.0030	±	0.0078
Ishii-machi,TOKUSHIMA	31	80.7	0.016	±	0.013	0.0000	±	0.0080
Takamatsu,KAGAWA	31	63.5	0.016	±	0.011	0.013	±	0.0076
Matsuyama,EHIME	31	68.5	0.026	±	0.015	0.002	±	0.012
Kochi,KOCHI	28	90.4	0.025	±	0.019	0.003	±	0.013
Dazaifu,FUKUOKA	31	73.8	0.011	±	0.015	0.0059	±	0.0080
Saga,SAGA	31	220.5	0.011	±	0.012	0.010	±	0.013
Omura,NAGASAKI	31	108.0	0.031	±	0.017	0.031	±	0.013
Uto,KUMAMOTO	31	155.5	0.018	±	0.017	0.0048	±	0.0082
Oita,OITA	31	125.0	0.030	±	0.015	0.010	±	0.012
Miyazaki,MIYAZAKI	31	429.1	0.000	±	0.012	0.000	±	0.012
Kagoshima,KAGOSHIMA	29	378.5	0.006	±	0.011	0.0038	±	0.0093
Uruma,OKINAWA	31	547.5	0.016	±	0.022	0.0000	±	0.0080
Jul.2007								
Sapporo,HOKKAIDO	30	37.0	0.006	±	0.014	0.0061	±	0.0084
Aomori,AOMORI	30	24.0	0.025	±	0.015	0.0067	±	0.0089
Morioka,IWATE	30	112.1	0.040	±	0.014	0.0000	±	0.0075
Onagawa-machi,MIYAGI	29	191.0	0.000	±	0.019	0.0000	±	0.0076
Akita,AKITA	30	115.4	0.015	±	0.013	0.019	±	0.0097
Yamagata,YAMAGATA	30	134.5	0.037	±	0.015	0.0000	±	0.0092
Okuma-machi,FUKUSHIMA	30	366.0	0.000	±	0.014	0.0000	±	0.0073
Hitachinaka,IBARAKI	30	227.0	0.023	±	0.017	0.0041	±	0.0082
Utsunomiya,TOCHIGI	30	290.6	0.000	±	0.012	0.033	±	0.013
Maebashi,GUNMA	30	353.0	0.001	±	0.015	0.023	±	0.013
Saitama,SAITAMA	30	240.5	0.0000	±	0.0085	0.013	±	0.0090
Ichihara,CHIBA	30	235.9	0.022	±	0.016	0.0000	±	0.0086
Chiba,CHIBA	30	201.3	0.028	±	0.014	0.0000	±	0.0085
Shinjuku,TOKYO	30	246.6	0.020	±	0.019	0.0000	±	0.0081
Chigasaki,KANAGAWA	29	452.4	0.000	±	0.014	0.014	±	0.012
Niigata,NIIGATA	30	171.0	0.013	±	0.013	0.020	±	0.0093
Imizu,TOYAMA	30	131.7	0.040	±	0.016	0.011	±	0.0095
Kanazawa,ISHIKAWA	32	173.5	0.030	±	0.018	0.012	±	0.0080
Fukui,FUKUI	30	169.3	0.034	±	0.062	0.000	±	0.048
Kofu,YAMANASHI	30	279.0	0.047	±	0.016	0.010	±	0.013

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Nagano,NAGANO	30	70.0	0.021	±	0.014	0.009	±	0.011
Kakamigahara,GIFU	32	475.7	0.001	±	0.013	0.0000	±	0.0083
Shizuoka,SHIZUOKA	30	500.0	0.000	±	0.013	0.000	±	0.012
Nagoya,AICHI	30	328.1	0.020	±	0.015	0.012	±	0.013
Yokkaichi,MIE	30	417.0	0.013	±	0.015	0.0000	±	0.0080
Otsu,SHIGA	30	246.2	0.014	±	0.013	0.0042	±	0.0078
Kyoto,KYOTO	31	219.5	0.000	±	0.012	0.029	±	0.013
Osaka,OSAKA	30	205.8	0.026	±	0.014	0.0078	±	0.0082
Kobe,HYOGO	32	160.7	0.005	±	0.014	0.0000	±	0.0072
Nara,NARA	30	345.9	0.005	±	0.015	0.0000	±	0.0084
Wakayama,WAKAYAMA	30	219.5	0.063	±	0.017	0.0000	±	0.0079
Yurihama-machi,TOTTORI	30	259.5	0.047	±	0.013	0.0000	±	0.0079
Matsue,SHIMANE	30	239.4	0.0041	±	0.0096	0.010	±	0.0081
Okayama,OKAYAMA	30	203.7	0.000	±	0.016	0.0035	±	0.0085
Hiroshima,HIROSHIMA	30	237.3	0.046	±	0.017	0.0044	±	0.0082
Yamaguchi,YAMAGUCHI	31	324.0	0.021	±	0.013	0.0000	±	0.0081
Ishii-machi,TOKUSHIMA	30	207.3	0.017	±	0.013	0.016	±	0.013
Takamatsu,KAGAWA	30	172.0	0.044	±	0.017	0.0000	±	0.0076
Matsuyama,EHIME	30	389.0	0.065	±	0.015	0.000	±	0.012
Kochi,KOCHI	33	729.3	0.000	±	0.017	0.0070	±	0.0081
Dazaifu,FUKUOKA	30	399.0	0.000	±	0.013	0.0048	±	0.0081
Saga,SAGA	30	435.4	0.011	±	0.013	0.000	±	0.012
Omura,NAGASAKI	30	456.0	0.024	±	0.014	0.017	±	0.013
Uto,KUMAMOTO	30	655.7	0.000	±	0.014	0.012	±	0.012
Oita,OITA	30	665.5	0.016	±	0.016	0.014	±	0.016
Miyazaki,MIYAZAKI	30	759.2	0.000	±	0.012	0.017	±	0.013
Kagoshima,KAGOSHIMA	32	710.5	0.003	±	0.015	0.004	±	0.013
Uruma,OKINAWA	30	248.5	0.018	±	0.015	0.015	±	0.0085
Aug.2007								
Sapporo,HOKKAIDO	30	73.0	0.025	±	0.012	0.0000	±	0.0078
Aomori,AOMORI	30	55.5	0.002	±	0.011	0.009	±	0.013
Morioka,IWATE	33	171.0	0.000	±	0.015	0.032	±	0.014
Onagawa-machi,MIYAGI	33	33.5	0.005	±	0.011	0.0088	±	0.0088
Akita,AKITA	33	151.0	0.043	±	0.019	0.039	±	0.015

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Yamagata,YAMAGATA	33	130.0	0.033	±	0.014	0.015	±	0.013
Okuma-machi,FUKUSHIMA	33	94.0	0.000	±	0.014	0.0011	±	0.0076
Hitachinaka,IBARAKI	33	64.5	0.011	±	0.016	0.0053	±	0.0083
Utsunomiya,TOCHIGI	33	156.9	0.000	±	0.013	0.006	±	0.012
Maebashi,GUNMA	33	102.5	0.008	±	0.018	0.000	±	0.012
Saitama,SAITAMA	33	73.3	0.0000	±	0.0094	0.014	±	0.0091
Ichihara,CHIBA	33	13.4	0.000	±	0.016	0.017	±	0.013
Chiba,CHIBA	33	10.4	0.000	±	0.014	0.0000	±	0.0082
Shinjuku,TOKYO	33	24.3	0.001	±	0.012	0.0000	±	0.0080
Chigasaki,KANAGAWA	30	51.2	0.041	±	0.017	0.014	±	0.013
Niigata,NIIGATA	33	243.3	0.008	±	0.013	0.0083	±	0.0092
Imizu,TOYAMA	30	114.2	0.046	±	0.017	0.0000	±	0.0086
Kanazawa,ISHIKAWA	31	183.5	0.005	±	0.017	0.024	±	0.013
Fukui,FUKUI	33	169.7	0.091	±	0.066	0.000	±	0.043
Kofu,YAMANASHI	33	61.5	0.011	±	0.012	0.002	±	0.012
Nagano,NAGANO	33	129.5	0.017	±	0.014	0.009	±	0.012
Kakamigahara,GIFU	31	70.1	0.000	±	0.012	0.001	±	0.012
Shizuoka,SHIZUOKA	33	52.0	0.003	±	0.013	0.010	±	0.012
Nagoya,AICHI	33	47.7	0.000	±	0.013	0.031	±	0.014
Yokkaichi,MIE	33	66.5	0.032	±	0.014	0.0000	±	0.0076
Otsu,SHIGA	30	61.76	0.004	±	0.011	0.013	±	0.013
Kyoto,KYOTO	31	83.5	0.000	±	0.013	0.014	±	0.012
Osaka,OSAKA	30	76.1	0.013	±	0.018	0.011	±	0.0089
Nara,NARA	33	146.3	0.018	±	0.016	0.0000	±	0.0082
Wakayama,WAKAYAMA	33	42.5	0.26	±	0.025	0.017	±	0.010
Yurihama-machi,TOTTORI	30	180.0	0.017	±	0.012	0.0000	±	0.0085
Matsue,SHIMANE	30	245.3	0.024	±	0.013	0.0085	±	0.0085
Okayama,OKAYAMA	33	24.8	0.000	±	0.016	0.0023	±	0.0084
Hiroshima,HIROSHIMA	30	58.5	0.000	±	0.015	0.000	±	0.012
Yamaguchi,YAMAGUCHI	31	200.0	0.004	±	0.011	0.0000	±	0.0085
Ishii-machi,TOKUSHIMA	33	38.0	0.043	±	0.016	0.008	±	0.013
Takamatsu,KAGAWA	33	7.5	0.010	±	0.015	0.0000	±	0.0076
Matsuyama,EHIME	33	32.5	0.043	±	0.014	0.001	±	0.013
Kochi,KOCHI	30	166.8	0.039	±	0.021	0.0000	±	0.0074

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Dazaifu,FUKUOKA	33	253.4	0.013	±	0.014	0.0000	±	0.0085
Saga,SAGA	33	206.9	0.009	±	0.013	0.002	±	0.012
Uto,KUMAMOTO	33	136.1	0.017	±	0.016	0.003	±	0.012
Oita,OITA	33	283.0	0.017	±	0.015	0.000	±	0.012
Miyazaki,MIYAZAKI	33	294.2	0.000	±	0.010	0.007	±	0.012
Kagoshima,KAGOSHIMA	31	192.0	0.037	±	0.015	0.0012	±	0.0083
Uruma,OKINAWA	33	361.5	0.033	±	0.020	0.0000	±	0.0095
Sep.2007								
Sapporo,HOKKAIDO	31	197.5	0.006	±	0.013	0.014	±	0.013
Aomori,AOMORI	31	163.5	0.000	±	0.012	0.0030	±	0.0082
Morioka,IWATE	28	171.8	0.012	±	0.016	0.004	±	0.013
Onagawa-machi,MIYAGI	29	148.5	0.027	±	0.013	0.0018	±	0.0083
Akita,AKITA	28	255.6	0.013	±	0.016	0.0000	±	0.0077
Yamagata,YAMAGATA	28	163.0	0.000	±	0.016	0.012	±	0.013
Okuma-machi,FUKUSHIMA	28	199.5	0.030	±	0.015	0.0066	±	0.0086
Hitachinaka,IBARAKI	28	153.0	0.014	±	0.014	0.0096	±	0.0096
Utsunomiya,TOCHIGI	28	238.7	0.000	±	0.013	0.013	±	0.013
Maebashi,GUNMA	28	371.5	0.001	±	0.010	0.002	±	0.012
Saitama,SAITAMA	28	299.2	0.011	±	0.0092	0.0000	±	0.0050
Ichihara,CHIBA	28	243.8	0.000	±	0.017	0.005	±	0.013
Chiba,CHIBA	28	232.8	0.010	±	0.017	0.0000	±	0.0081
Shinjuku,TOKYO	28	314.1	0.001	±	0.011	0.0000	±	0.0059
Chigasaki,KANAGAWA	32	267.9	0.052	±	0.017	0.017	±	0.013
Niigata,NIIGATA	28	37.0	0.004	±	0.013	0.013	±	0.0098
Imizu,TOYAMA	31	134.2	0.010	±	0.013	0.007	±	0.012
Kanazawa,ISHIKAWA	28	92.5	0.000	±	0.014	0.023	±	0.012
Fukui,FUKUI	28	102.2	0.000	±	0.068	0.036	±	0.067
Kofu,YAMANASHI	28	234.5	0.023	±	0.014	0.000	±	0.012
Nagano,NAGANO	28	85.5	0.000	±	0.013	0.024	±	0.012
Kakamigahara,GIFU	28	209.0	0.064	±	0.017	0.0030	±	0.0080
Shizuoka,SHIZUOKA	28	335.5	0.017	±	0.019	0.0000	±	0.0081
Nagoya,AICHI	28	169.2	0.001	±	0.017	0.0088	±	0.0092
Yokkaichi,MIE	28	168.0	0.000	±	0.014	0.015	±	0.012
Otsu,SHIGA	31	211.6	0.026	±	0.013	0.0000	±	0.0079

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Kyoto,KYOTO	28	121.0	0.002	±	0.010	0.011	±	0.0080
Osaka,OSAKA	31	61.4	0.028	±	0.012	0.002	±	0.013
Kobe,HYOGO	28	33.2	0.013	±	0.013	0.000	±	0.013
Nara,NARA	28	132.9	0.000	±	0.015	0.0000	±	0.0078
Wakayama,WAKAYAMA	28	57.5	0.15	±	0.020	0.008	±	0.012
Yurihama-machi,TOTTORI	31	80.5	0.006	±	0.012	0.0000	±	0.0077
Matsue,SHIMANE	31	90.0	0.0031	±	0.0084	0.0067	±	0.0076
Okayama,OKAYAMA	28	62.8	0.020	±	0.013	0.0000	±	0.0077
Hiroshima,HIROSHIMA	31	57.5	0.016	±	0.016	0.006	±	0.013
Yamaguchi,YAMAGUCHI	30	99.0	0.012	±	0.011	0.000	±	0.012
Ishii-machi,TOKUSHIMA	29	67.5	0.024	±	0.014	0.000	±	0.012
Takamatsu,KAGAWA	28	45.5	0.013	±	0.012	0.0000	±	0.0073
Matsuyama,EHIME	28	68.5	0.002	±	0.012	0.000	±	0.012
Kochi,KOCHI	31	263.7	0.019	±	0.014	0.0000	±	0.0078
Dazaifu,FUKUOKA	28	99.4	0.000	±	0.014	0.024	±	0.012
Saga,SAGA	28	57.9	0.000	±	0.011	0.022	±	0.013
Omura,NAGASAKI	28	58.0	0.009	±	0.014	0.001	±	0.012
Uto,KUMAMOTO	28	87.5	0.034	±	0.017	0.0000	±	0.0079
Oita,OITA	28	144.0	0.011	±	0.015	0.025	±	0.013
Miyazaki,MIYAZAKI	28	277.9	0.002	±	0.013	0.019	±	0.012
Kagoshima,KAGOSHIMA	28	82.5	0.014	±	0.015	0.0038	±	0.0091
Uruma,OKINAWA	28	237.5	0.000	±	0.014	0.014	±	0.013
Oct.2007								
Sapporo,HOKKAIDO	31	75.5	0.000	±	0.014	0.000	±	0.011
Aomori,AOMORI	31	60.5	0.017	±	0.014	0.0000	±	0.0071
Morioka,IWATE	31	72.8	0.000	±	0.015	0.004	±	0.013
Onagawa-machi,MIYAGI	30	163.0	0.030	±	0.014	0.0000	±	0.0070
Akita,AKITA	31	183.3	0.020	±	0.017	0.035	±	0.011
Yamagata,YAMAGATA	31	92.0	0.031	±	0.012	0.0000	±	0.0080
Okuma-machi,FUKUSHIMA	31	190.0	0.006	±	0.014	0.0000	±	0.0077
Hitachinaka,IBARAKI	31	122.5	0.040	±	0.016	0.0000	±	0.0076
Utsunomiya,TOCHIGI	31	143.2	0.044	±	0.014	0.0058	±	0.0080
Maebashi,GUNMA	31	113.5	0.014	±	0.013	0.002	±	0.012
Saitama,SAITAMA	31	123.9	0.014	±	0.0090	0.0000	±	0.0055

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Ichihara,CHIBA	31	149.2	0.000	±	0.012	0.005	±	0.015
Chiba,CHIBA	31	143.3	0.032	±	0.019	0.0000	±	0.0083
Shinjuku,TOKYO	31	124.3	0.000	±	0.010	0.0081	±	0.0069
Chigasaki,KANAGAWA	31	135.2	0.062	±	0.015	0.013	±	0.0080
Niigata,NIIGATA	31	169.5	0.008	±	0.012	0.0057	±	0.0087
Imizu,TOYAMA	31	140.6	0.006	±	0.013	0.000	±	0.011
Kanazawa,ISHIKAWA	33	183.0	0.005	±	0.010	0.023	±	0.013
Fukui,FUKUI	31	141.9	0.006	±	0.062	0.025	±	0.042
Kofu,YAMANASHI	31	105.0	0.009	±	0.011	0.002	±	0.012
Nagano,NAGANO	31	116.0	0.024	±	0.013	0.0097	±	0.0078
Kakamigahara,GIFU	33	160.4	0.022	±	0.017	0.0000	±	0.0077
Shizuoka,SHIZUOKA	31	123.0	0.0085	±	0.0099	0.0000	±	0.0083
Nagoya,AICHI	31	79.3	0.000	±	0.019	0.0025	±	0.0086
Yokkaichi,MIE	31	67.5	0.000	±	0.014	0.0060	±	0.0090
Otsu,SHIGA	31	95.7	0.008	±	0.015	0.019	±	0.013
Kyoto,KYOTO	31	95.0	0.012	±	0.012	0.012	±	0.0081
Osaka,OSAKA	30	77.9	0.039	±	0.013	0.000	±	0.011
Kobe,HYOGO	33	89.6	0.020	±	0.011	0.025	±	0.013
Nara,NARA	31	142.7	0.017	±	0.017	0.0000	±	0.0077
Wakayama,WAKAYAMA	31	107.5	0.10	±	0.017	0.0000	±	0.0081
Yurihama-machi,TOTTORI	30	117.0	0.011	±	0.013	0.0000	±	0.0074
Matsue,SHIMANE	30	126.5	0.0000	±	0.0068	0.0081	±	0.0075
Okayama,OKAYAMA	31	25.1	0.035	±	0.015	0.0000	±	0.0078
Hiroshima,HIROSHIMA	31	64.5	0.000	±	0.016	0.000	±	0.013
Yamaguchi,YAMAGUCHI	31	44.5	0.011	±	0.013	0.000	±	0.012
Ishii-machi,TOKUSHIMA	30	84.9	0.000	±	0.016	0.004	±	0.012
Takamatsu,KAGAWA	31	56.0	0.013	±	0.012	0.014	±	0.0088
Matsuyama,EHIME	31	112.0	0.021	±	0.015	0.000	±	0.013
Kochi,KOCHI	31	116.4	0.000	±	0.014	0.000	±	0.012
Dazaifu,FUKUOKA	31	135.5	0.008	±	0.015	0.007	±	0.013
Saga,SAGA	31	123.7	0.008	±	0.013	0.0000	±	0.0075
Omura,NAGASAKI	31	76.0	0.023	±	0.014	0.0000	±	0.0078
Uto,KUMAMOTO	31	136.6	0.026	±	0.016	0.008	±	0.013
Miyazaki,MIYAZAKI	31	88.3	0.004	±	0.011	0.000	±	0.012

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Kagoshima,KAGOSHIMA	33	13.5	0.000	±	0.013	0.025	±	0.014
Uruma,OKINAWA	31	55.5	0.000	±	0.013	0.000	±	0.012
Nov.2007								
Sapporo,HOKKAIDO	29	56.0	0.007	±	0.010	0.0071	±	0.0083
Aomori,AOMORI	29	287.5	0.000	±	0.011	0.023	±	0.0098
Morioka,IWATE	32	93.8	0.032	±	0.014	0.0035	±	0.0085
Onagawa-machi,MIYAGI	32	35.0	0.011	±	0.013	0.0006	±	0.0071
Akita,AKITA	32	184.9	0.020	±	0.012	0.003	±	0.013
Yamagata,YAMAGATA	32	78.0	0.047	±	0.017	0.0046	±	0.0083
Okuma-machi,FUKUSHIMA	32	46.5	0.011	±	0.014	0.0000	±	0.0079
Hitachinaka,IBARAKI	32	8.5	0.022	±	0.013	0.017	±	0.0087
Utsunomiya,TOCHIGI	32	35.5	0.026	±	0.013	0.0000	±	0.0071
Maebashi,GUNMA	32	7.0	0.032	±	0.015	0.0000	±	0.0087
Saitama,SAITAMA	32	40.0	0.021	±	0.010	0.0037	±	0.0058
Ichihara,CHIBA	32	33.3	0.008	±	0.013	0.011	±	0.0089
Chiba,CHIBA	32	43.8	0.009	±	0.017	0.0000	±	0.0079
Shinjuku,TOKYO	32	42.6	0.013	±	0.012	0.0035	±	0.0070
Chigasaki,KANAGAWA	29	24.1	0.041	±	0.015	0.000	±	0.011
Niigata,NIIGATA	32	144.6	0.018	±	0.013	0.018	±	0.0096
Imizu,TOYAMA	29	149.5	0.008	±	0.013	0.007	±	0.012
Kanazawa,ISHIKAWA	30	187.5	0.013	±	0.010	0.022	±	0.013
Fukui,FUKUI	32	213.8	0.099	±	0.087	0.043	±	0.049
Kofu,YAMANASHI	32	13.0	0.001	±	0.011	0.000	±	0.012
Nagano,NAGANO	32	25.5	0.009	±	0.012	0.0000	±	0.0069
Kakamigahara,GIFU	30	23.8	0.047	±	0.015	0.005	±	0.012
Shizuoka,SHIZUOKA	32	22.0	0.027	±	0.015	0.016	±	0.012
Nagoya,AICHI	32	18.7	0.004	±	0.014	0.013	±	0.0075
Yokkaichi,MIE	32	32.0	0.031	±	0.014	0.0000	±	0.0074
Otsu,SHIGA	32	24.3	0.026	±	0.013	0.015	±	0.0080
Kyoto,KYOTO	29	14.5	0.015	±	0.013	0.010	±	0.0080
Osaka,OSAKA	33	22.6	0.019	±	0.011	0.0000	±	0.0089
Kobe,HYOGO	30	16.1	0.0049	±	0.0099	0.0000	±	0.0079
Nara,NARA	32	54.6	0.044	±	0.014	0.000	±	0.012
Wakayama,WAKAYAMA	32	20.0	0.14	±	0.019	0.0046	±	0.0082

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Yurihama-machi,TOTTORI	33	78.0	0.008	±	0.014	0.014	±	0.0089
Matsue,SHIMANE	30	29.2	0.021	±	0.0098	0.028	±	0.0086
Okayama,OKAYAMA	32	17.0	0.036	±	0.015	0.0000	±	0.0084
Hiroshima,HIROSHIMA	29	15.2	0.001	±	0.012	0.023	±	0.0081
Yamaguchi,YAMAGUCHI	30	27.0	0.027	±	0.013	0.011	±	0.0091
Ishii-machi,TOKUSHIMA	32	17.8	0.000	±	0.017	0.000	±	0.012
Takamatsu,KAGAWA	32	19.0	0.027	±	0.013	0.0069	±	0.0083
Matsuyama,EHIME	32	12.0	0.000	±	0.011	0.000	±	0.012
Kochi,KOCHI	29	15.0	0.033	±	0.014	0.0031	±	0.0091
Dazaifu,FUKUOKA	32	37.4	0.026	±	0.013	0.0000	±	0.0075
Saga,SAGA	32	28.8	0.006	±	0.013	0.0000	±	0.0069
Uto,KUMAMOTO	32	70.1	0.016	±	0.013	0.0000	±	0.0070
Miyazaki,MIYAZAKI	32	85.3	0.025	±	0.014	0.014	±	0.0077
Kagoshima,KAGOSHIMA	30	67.0	0.000	±	0.013	0.000	±	0.012
Uruma,OKINAWA	32	98.0	0.027	±	0.016	0.0038	±	0.0089
Dec.2007								
Sapporo,HOKKAIDO	28	43.0	0.010	±	0.011	0.0000	±	0.0064
Aomori,AOMORI	35	132.5	0.018	±	0.015	0.025	±	0.0098
Morioka,IWATE	32	95.6	0.012	±	0.011	0.017	±	0.0094
Onagawa-machi,MIYAGI	32	39.0	0.017	±	0.013	0.0012	±	0.0075
Akita,AKITA	35	195.0	0.037	±	0.015	0.028	±	0.014
Yamagata,YAMAGATA	32	106.5	0.008	±	0.012	0.019	±	0.0079
Okuma-machi,FUKUSHIMA	32	52.0	0.015	±	0.015	0.0000	±	0.0081
Hitachinaka,IBARAKI	32	79.0	0.015	±	0.015	0.036	±	0.013
Utsunomiya,TOCHIGI	32	56.4	0.0000	±	0.0095	0.0000	±	0.0070
Maebashi,GUNMA	32	34.0	0.017	±	0.012	0.021	±	0.010
Saitama,SAITAMA	32	65.9	0.0040	±	0.0083	0.050	±	0.0082
Ichihara,CHIBA	32	78.6	0.009	±	0.014	0.0097	±	0.0092
Chiba,CHIBA	32	71.6	0.000	±	0.011	0.0029	±	0.0078
Shinjuku,TOKYO	32	77.4	0.021	±	0.013	0.0012	±	0.0068
Chigasaki,KANAGAWA	28	52.0	0.032	±	0.013	0.0000	±	0.0074
Niigata,NIIGATA	32	261.9	0.019	±	0.014	0.042	±	0.011
Imizu,TOYAMA	28	186.3	0.009	±	0.015	0.018	±	0.013
Kanazawa,ISHIKAWA	27	231.5	0.022	±	0.012	0.021	±	0.013

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Fukui,FUKUI	32	351.7	0.18	±	0.068	0.019	±	0.043
Kofu,YAMANASHI	32	56.5	0.0000	±	0.0094	0.005	±	0.012
Nagano,NAGANO	32	68.0	0.000	±	0.011	0.0000	±	0.0072
Kakamigahara,GIFU	27	75.7	0.016	±	0.013	0.0000	±	0.0074
Shizuoka,SHIZUOKA	32	79.0	0.021	±	0.012	0.022	±	0.0078
Nagoya,AICHI	32	93.2	0.004	±	0.014	0.018	±	0.0078
Yokkaichi,MIE	32	116.0	0.027	±	0.014	0.013	±	0.0085
Otsu,SHIGA	32	101.9	0.000	±	0.013	0.006	±	0.012
Kyoto,KYOTO	35	88.5	0.024	±	0.013	0.025	±	0.0088
Osaka,OSAKA	32	78.4	0.037	±	0.016	0.040	±	0.014
Nara,NARA	32	143.6	0.019	±	0.012	0.022	±	0.013
Wakayama,WAKAYAMA	35	71.5	0.13	±	0.023	0.020	±	0.013
Yurihama-machi,TOTTORI	32	168.5	0.030	±	0.016	0.023	±	0.0095
Matsue,SHIMANE	28	71.3	0.018	±	0.0087	0.015	±	0.0052
Okayama,OKAYAMA	32	72.0	0.016	±	0.012	0.0050	±	0.0078
Hiroshima,HIROSHIMA	38	80.5	0.001	±	0.013	0.027	±	0.0087
Yamaguchi,YAMAGUCHI	34	123.0	0.000	±	0.018	0.019	±	0.013
Ishii-machi,TOKUSHIMA	32	61.3	0.000	±	0.011	0.000	±	0.012
Takamatsu,KAGAWA	32	73.5	0.049	±	0.016	0.012	±	0.014
Matsuyama,EHIME	32	84.5	0.010	±	0.013	0.000	±	0.012
Kochi,KOCHI	35	75.7	0.037	±	0.017	0.0052	±	0.0080
Dazaifu,FUKUOKA	32	80.7	0.003	±	0.011	0.013	±	0.0086
Saga,SAGA	32	74.7	0.000	±	0.013	0.0080	±	0.0075
Uto,KUMAMOTO	32	47.9	0.001	±	0.012	0.011	±	0.0083
Oita,OITA	35	102.0	0.000	±	0.016	0.0095	±	0.0079
Miyazaki,MIYAZAKI	32	102.1	0.000	±	0.011	0.0062	±	0.0079
Kagoshima,KAGOSHIMA	28	71.0	0.007	±	0.011	0.000	±	0.013
Uruma,OKINAWA	32	173.0	0.000	±	0.019	0.015	±	0.013
Jan.2008								
Sapporo,HOKKAIDO	35	113.0	0.003	±	0.012	0.0000	±	0.0076
Aomori,AOMORI	28	73.5	0.034	±	0.014	0.0080	±	0.0088
Morioka,IWATE	28	31.9	0.007	±	0.015	0.0098	±	0.0089
Onagawa-machi,MIYAGI	27	12.5	0.022	±	0.013	0.0000	±	0.0070
Akita,AKITA	25	66.5	0.022	±	0.011	0.0023	±	0.0081

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Yamagata,YAMAGATA	28	65.0	0.005	±	0.011	0.037	±	0.0092
Okuma-machi,FUKUSHIMA	28	12.0	0.052	±	0.018	0.019	±	0.0097
Hitachinaka,IBARAKI	28	31.5	0.0000	±	0.0095	0.0087	±	0.0083
Utsunomiya,TOCHIGI	28	16.8	0.003	±	0.018	0.015	±	0.0079
Maebashi,GUNMA	28	12.5	0.031	±	0.019	0.024	±	0.014
Saitama,SAITAMA	28	17.2	0.0000	±	0.0081	0.032	±	0.0073
Ichihara,CHIBA	28	29.4	0.000	±	0.012	0.020	±	0.0097
Chiba,CHIBA	28	30.0	0.013	±	0.012	0.0058	±	0.0080
Shinjuku,TOKYO	28	20.0	0.0000	±	0.0099	0.0092	±	0.0073
Chigasaki,KANAGAWA	34	54.8	0.022	±	0.013	0.019	±	0.0083
Niigata,NIIGATA	28	143.1	0.013	±	0.014	0.016	±	0.0091
Imizu,TOYAMA	35	142.7	0.017	±	0.016	0.044	±	0.0098
Kanazawa,ISHIKAWA	35	145.0	0.000	±	0.012	0.052	±	0.011
Fukui,FUKUI	28	100.0	0.20	±	0.068	0.000	±	0.041
Kofu,YAMANASHI	28	14.0	0.018	±	0.012	0.001	±	0.012
Nagano,NAGANO	28	22.5	0.000	±	0.011	0.0000	±	0.0071
Kakamigahara,GIFU	35	94.6	0.031	±	0.015	0.0000	±	0.0077
Shizuoka,SHIZUOKA	28	39.0	0.005	±	0.011	0.0000	±	0.0062
Nagoya,AICHI	28	26.9	0.023	±	0.019	0.010	±	0.0075
Yokkaichi,MIE	28	39.5	0.020	±	0.015	0.0000	±	0.0068
Otsu,SHIGA	28	59.3	0.034	±	0.016	0.000	±	0.012
Kyoto,KYOTO	31	53.0	0.027	±	0.012	0.012	±	0.0081
Osaka,OSAKA	28	52.5	0.006	±	0.019	0.025	±	0.014
Nara,NARA	28	87.0	0.014	±	0.012	0.0000	±	0.0067
Wakayama,WAKAYAMA	28	68.0	0.083	±	0.018	0.0000	±	0.0081
Yurihama-machi,TOTTORI	28	124.5	0.016	±	0.014	0.0069	±	0.0068
Matsue,SHIMANE	35	146.6	0.029	±	0.0096	0.045	±	0.0072
Okayama,OKAYAMA	28	76.1	0.008	±	0.013	0.0062	±	0.0080
Hiroshima,HIROSHIMA	25	83.7	0.013	±	0.011	0.0012	±	0.0078
Yamaguchi,YAMAGUCHI	28	102.5	0.022	±	0.013	0.015	±	0.0077
Ishii-machi,TOKUSHIMA	28	62.4	0.003	±	0.017	0.0038	±	0.0076
Takamatsu,KAGAWA	28	73.5	0.024	±	0.016	0.0000	±	0.0081
Matsuyama,EHIME	28	97.0	0.023	±	0.018	0.011	±	0.0084
Kochi,KOCHI	28	113.6	0.000	±	0.016	0.000	±	0.012

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Dazaifu,FUKUOKA	28	61.2	0.000	±	0.011	0.0000	±	0.0072
Saga,SAGA	28	70.3	0.000	±	0.014	0.0000	±	0.0065
Omura,NAGASAKI	28	87.0	0.008	±	0.014	0.0000	±	0.0079
Uto,KUMAMOTO	28	167.6	0.000	±	0.011	0.0013	±	0.0088
Oita,OITA	28	125.5	0.000	±	0.016	0.0000	±	0.0068
Miyazaki,MIYAZAKI	28	96.6	0.0000	±	0.0097	0.0006	±	0.0076
Kagoshima,KAGOSHIMA	34	71.0	0.000	±	0.016	0.016	±	0.0086
Uruma,OKINAWA	28	68.5	0.010	±	0.015	0.0000	±	0.0075
Feb.2008								
Sapporo,HOKKAIDO	28	64.0	0.021	±	0.014	0.0090	±	0.0083
Aomori,AOMORI	28	51.0	0.000	±	0.013	0.0036	±	0.0082
Morioka,IWATE	31	26.5	0.015	±	0.012	0.022	±	0.0094
Onagawa-machi,MIYAGI	32	38.0	0.000	±	0.011	0.0084	±	0.0082
Akita,AKITA	31	96.2	0.019	±	0.012	0.014	±	0.0090
Yamagata,YAMAGATA	31	61.5	0.031	±	0.013	0.0086	±	0.0083
Okuma-machi,FUKUSHIMA	31	25.5	0.032	±	0.018	0.046	±	0.010
Hitachinaka,IBARAKI	31	170.5	0.064	±	0.016	0.61	±	0.028
Utsunomiya,TOCHIGI	31	41.3	0.003	±	0.017	0.022	±	0.0085
Maebashi,GUNMA	31	24.0	0.000	±	0.016	0.082	±	0.016
Saitama,SAITAMA	31	44.0	0.045	±	0.016	0.096	±	0.014
Ichihara,CHIBA	31	79.6	0.000	±	0.010	0.037	±	0.0097
Chiba,CHIBA	31	66.2	0.035	±	0.014	0.067	±	0.012
Shinjuku,TOKYO	31	55.2	0.015	±	0.012	0.027	±	0.0096
Chigasaki,KANAGAWA	28	56.7	0.006	±	0.013	0.016	±	0.0086
Niigata,NIIGATA	31	83.8	0.000	±	0.014	0.040	±	0.011
Imizu,TOYAMA	31	177.6	0.000	±	0.016	0.044	±	0.010
Kanazawa,ISHIKAWA	29	70.0	0.006	±	0.012	0.017	±	0.0087
Fukui,FUKUI	31	227.5	0.12	±	0.063	0.044	±	0.044
Kofu,YAMANASHI	31	38.0	0.010	±	0.012	0.018	±	0.013
Nagano,NAGANO	31	63.0	0.000	±	0.012	0.017	±	0.0084
Kakamigahara,GIFU	29	73.5	0.008	±	0.014	0.0000	±	0.0081
Shizuoka,SHIZUOKA	31	66.5	0.021	±	0.015	0.0072	±	0.0077
Nagoya,AICHI	31	41.2	0.000	±	0.014	0.0000	±	0.0066
Yokkaichi,MIE	31	64.5	0.012	±	0.013	0.017	±	0.0090

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Otsu,SHIGA	31	73.5	0.002	±	0.012	0.0068	±	0.0087
Kyoto,KYOTO	28	39.0	0.042	±	0.013	0.039	±	0.011
Osaka,OSAKA	28	64.9	0.010	±	0.013	0.012	±	0.0082
Kobe,HYOGO	29	50.8	0.031	±	0.014	0.0072	±	0.0072
Nara,NARA	31	99.1	0.020	±	0.012	0.0000	±	0.0075
Wakayama,WAKAYAMA	28	43.0	0.069	±	0.020	0.0000	±	0.0082
Yurihama-machi,TOTTORI	31	154.5	0.000	±	0.015	0.12	±	0.014
Okayama,OKAYAMA	31	21.2	0.009	±	0.012	0.0000	±	0.0076
Hiroshima,HIROSHIMA	31	43.8	0.040	±	0.014	0.020	±	0.0092
Yamaguchi,YAMAGUCHI	29	59.5	0.012	±	0.012	0.010	±	0.0074
Ishii-machi,TOKUSHIMA	31	30.1	0.000	±	0.018	0.0000	±	0.0074
Takamatsu,KAGAWA	31	31.5	0.000	±	0.010	0.026	±	0.0094
Matsuyama,EHIME	31	55.5	0.008	±	0.017	0.014	±	0.0084
Kochi,KOCHI	28	52.1	0.029	±	0.017	0.019	±	0.0080
Dazaifu,FUKUOKA	31	65.1	0.032	±	0.015	0.12	±	0.017
Saga,SAGA	31	48.1	0.038	±	0.016	0.22	±	0.017
Omura,NAGASAKI	31	60.0	0.015	±	0.014	0.0080	±	0.0088
Uto,KUMAMOTO	31	58.2	0.000	±	0.011	0.015	±	0.0091
Oita,OITA	31	40.0	0.009	±	0.011	0.0091	±	0.0085
Miyazaki,MIYAZAKI	31	56.1	0.000	±	0.010	0.038	±	0.0092
Kagoshima,KAGOSHIMA	32	45.5	0.009	±	0.016	0.026	±	0.0093
Mar.2008								
Sapporo,HOKKAIDO	32	21.0	0.000	±	0.012	0.0000	±	0.0070
Aomori,AOMORI	31	9.5	0.029	±	0.016	0.014	±	0.0088
Morioka,IWATE	29	41.8	0.024	±	0.013	0.023	±	0.0094
Onagawa-machi,MIYAGI	30	44.0	0.039	±	0.016	0.010	±	0.015
Akita,AKITA	29	72.4	0.024	±	0.012	0.016	±	0.0088
Yamagata,YAMAGATA	29	29.5	0.028	±	0.016	0.032	±	0.014
Okuma-machi,FUKUSHIMA	29	57.0	0.011	±	0.016	0.010	±	0.0079
Hitachinaka,IBARAKI	29	105.0	0.037	±	0.018	0.043	±	0.014
Utsunomiya,TOCHIGI	29	84.5	0.033	±	0.020	0.017	±	0.0080
Maebashi,GUNMA	29	50.5	0.007	±	0.017	0.033	±	0.014
Saitama,SAITAMA	29	74.8	0.027	±	0.014	0.013	±	0.0091
Ichihara,CHIBA	29	124.9	0.030	±	0.016	0.019	±	0.0091

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Chiba,CHIBA	29	111.5	0.006	±	0.012	0.022	±	0.0090
Shinjuku,TOKYO	29	119.1	0.018	±	0.013	0.011	±	0.0086
Chigasaki,KANAGAWA	33	171.0	0.041	±	0.017	0.011	±	0.0077
Niigata,NIIGATA	29	22.7	0.044	±	0.022	0.020	±	0.0095
Imizu,TOYAMA	28	88.8	0.029	±	0.018	0.022	±	0.0090
Kanazawa,ISHIKAWA	31	119.5	0.034	±	0.015	0.11	±	0.013
Fukui,FUKUI	30	145.5	0.078	±	0.087	0.000	±	0.035
Kofu,YAMANASHI	29	50.5	0.027	±	0.013	0.019	±	0.013
Nagano,NAGANO	29	36.0	0.019	±	0.012	0.017	±	0.0082
Kakamigahara,GIFU	31	176.5	0.000	±	0.012	0.033	±	0.011
Shizuoka,SHIZUOKA	29	228.5	0.014	±	0.016	0.0072	±	0.0077
Nagoya,AICHI	29	141.2	0.007	±	0.016	0.014	±	0.0087
Yokkaichi,MIE	29	150.0	0.017	±	0.017	0.029	±	0.013
Otsu,SHIGA	29	124.0	0.000	±	0.014	0.000	±	0.013
Kyoto,KYOTO	29	95.0	0.031	±	0.012	0.35	±	0.022
Osaka,OSAKA	31	87.7	0.038	±	0.014	0.016	±	0.0082
Kobe,HYOGO	31	85.3	0.020	±	0.013	0.0035	±	0.0073
Nara,NARA	29	134.3	0.000	±	0.012	0.0056	±	0.0080
Wakayama,WAKAYAMA	29	112.0	0.090	±	0.018	0.0047	±	0.0083
Yurihama-machi,TOTTORI	29	163.5	0.017	±	0.017	0.052	±	0.010
Matsue,SHIMANE	28	120.7	0.032	±	0.010	0.031	±	0.0079
Okayama,OKAYAMA	29	106.8	0.017	±	0.013	0.016	±	0.0090
Hiroshima,HIROSHIMA	29	127.0	0.003	±	0.013	0.025	±	0.010
Yamaguchi,YAMAGUCHI	31	190.0	0.003	±	0.018	0.14	±	0.014
Ishii-machi,TOKUSHIMA	29	152.5	0.011	±	0.014	0.020	±	0.0089
Takamatsu,KAGAWA	29	114.0	0.002	±	0.016	0.010	±	0.013
Matsuyama,EHIME	29	107.0	0.019	±	0.018	0.025	±	0.0090
Kochi,KOCHI	32	232.5	0.029	±	0.015	0.023	±	0.0091
Dazaifu,FUKUOKA	29	179.5	0.028	±	0.019	0.061	±	0.015
Saga,SAGA	29	149.8	0.027	±	0.013	0.086	±	0.016
Omura,NAGASAKI	29	104.0	0.012	±	0.015	0.024	±	0.0087
Uto,KUMAMOTO	29	92.4	0.010	±	0.018	0.11	±	0.013
Oita,OITA	29	128.0	0.014	±	0.019	0.008	±	0.013
Miyazaki,MIYAZAKI	29	137.4	0.018	±	0.013	0.023	±	0.0092

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Kagoshima,KAGOSHIMA	28	84.0	0.000	±	0.016	0.044	±	0.010
Uruma,OKINAWA	25	186.0	0.004	±	0.013	0.015	±	0.0097

(2) Strontium-90 and Cesium-137 in Airborne dust
(from Jul.2007 to Mar.2008)

Table (2) : Strontium-90 and Cesium-137 in Airborne dust

Location	Sampling Period			Absorption (m^3)	Sr-90 (mBq/m^3)			Cs-137 (mBq/m^3)		
Apr.2007～Jun.2007										
Morioka,IWATE	04	-	06	10368.0	0.00053	±	0.00063	0.00019	±	0.00029
Akita,AKITA	04	-	06	10800.0	0.00000	±	0.00063	0.00000	±	0.00027
Yamagata,YAMAGATA	04	-	06	12960.0	0.0010	±	0.00046	0.00007	±	0.00022
Okuma-machi,FUKUSHIMA	04	-	06	10000.0	0.0015	±	0.00075	0.00000	±	0.00030
Hitachinaka,IBARAKI	04	-	06	11383.7	0.00086	±	0.00048	0.00025	±	0.00025
Utsunomiya,TOCHIGI	04	-	06	14611.1	0.00000	±	0.00050	0.00018	±	0.00022
Maebashi,GUNMA	04	-	06	10026.7	0.00025	±	0.00060	0.00033	±	0.00031
Ichihara,CHIBA	04	-	06	10368.0	0.00000	±	0.00060	0.00000	±	0.00028
Chigasaki,KANAGAWA	04	-	06	12095.2	0.0011	±	0.00051	0.0019	±	0.00034
Niigata,NIIGATA	04	-	06	9935.7	0.00000	±	0.00059	0.00023	±	0.00035
Imizu,TOYAMA	04	-	06	18072.7	0.00000	±	0.00041	0.00002	±	0.00019
Fukui,FUKUI	04	-	06	12959.1	0.00080	±	0.00062	0.0014	±	0.00032
Kofu,YAMANASHI	04	-	06	10367.1	0.00000	±	0.00055	0.00000	±	0.00028
Nagano,NAGANO	04	-	06	11177.4	0.0010	±	0.00062	0.0014	±	0.00035
Kakamigahara,GIFU	04	-	06	12142.3	0.00000	±	0.00045	0.00023	±	0.00025
Omaezaki,SHIZUOKA	04	-	06	10053.0	0.00059	±	0.00068	0.00000	±	0.00028
Nagoya,AICHI	04	-	06	10366.0	0.0011	±	0.00085	0.00053	±	0.00032
Yokkaichi,MIE	04	-	06	14472.0	0.00068	±	0.00052	0.00023	±	0.00022
Otsu,SHIGA	04	-	06	10025.7	0.00000	±	0.00059	0.00046	±	0.00032
Kyoto,KYOTO	04	-	06	10219.5	0.00059	±	0.00061	0.00037	±	0.00028
Osaka,OSAKA	04	-	06	16187.2	0.00028	±	0.00031	0.00052	±	0.00021
Kobe,HYOGO	04	-	06	10367.4	0.00080	±	0.00056	0.00064	±	0.00031
Nara,NARA	04	-	06	10476.6	0.00000	±	0.00061	0.0025	±	0.00043
Wakayama,WAKAYAMA	04	-	06	11358.6	0.00011	±	0.00065	0.00000	±	0.00029
Yurihama-machi,TOTTORI	04	-	06	14340.0	0.00031	±	0.00051	0.00023	±	0.00023
Okayama,OKAYAMA	04	-	06	13564.8	0.00000	±	0.00049	0.00013	±	0.00025
Hiroshima,HIROSHIMA	04	-	06	10306.0	0.00000	±	0.00070	0.0023	±	0.00043
Yamaguchi,YAMAGUCHI	04	-	06	21870.3	0.00000	±	0.00028	0.00061	±	0.00018
Tokushima,TOKUSHIMA	04	-	06	10080.0	0.00000	±	0.00072	0.00000	±	0.00030
Takamatsu,KAGAWA	04	-	06	10041.8	0.00040	±	0.00066	0.00082	±	0.00037

Location	Sampling Period			Absorption (m^3)	Sr-90 (mBq/m^3)			Cs-137 (mBq/m^3)		
Saga,SAGA	04	-	06	9996.8	0.00060	±	0.00052	0.00029	±	0.00028
Omura,NAGASAKI	04	-	06	8640.0	0.00054	±	0.00071	0.00057	±	0.00038
Uto,KUMAMOTO	04	-	06	13902.7	0.00070	±	0.00045	0.00008	±	0.00023
Oita,OITA	04	-	06	10372.8	0.00018	±	0.00064	0.00032	±	0.00032
Miyazaki,MIYAZAKI	04	-	06	13162.0	0.00093	±	0.00055	0.00012	±	0.00021
Nanjo,OKINAWA	04	-	06	14340.7	0.00026	±	0.00037	0.00043	±	0.00022
Jul.2007～Sep.2007										
Morioka,IWATE	07	-	09	10368.0	0.00000	±	0.00056	0.00071	±	0.00031
Akita,AKITA	07	-	09	10800.0	0.00015	±	0.00056	0.00021	±	0.00032
Yamagata,YAMAGATA	07	-	09	12960.0	0.00000	±	0.00043	0.00000	±	0.00024
Okuma-machi,FUKUSHIMA	07	-	09	10000.0	0.00000	±	0.00055	0.00000	±	0.00029
Hitachinaka,IBARAKI	07	-	09	13166.0	0.00000	±	0.00052	0.00000	±	0.00025
Utsunomiya,TOCHIGI	07	-	09	14326.5	0.00000	±	0.00041	0.00000	±	0.00022
Maebashi,GUNMA	07	-	09	9964.8	0.00016	±	0.00059	0.00000	±	0.00028
Ichihara,CHIBA	07	-	09	10368.0	0.00000	±	0.00051	0.00000	±	0.00027
Chigasaki,KANAGAWA	07	-	09	12095.2	0.00000	±	0.00039	0.00000	±	0.00026
Niigata,NIIGATA	07	-	09	9936.0	0.0013	±	0.00060	0.00053	±	0.00026
Imizu,TOYAMA	07	-	09	18031.0	0.00003	±	0.00032	0.00000	±	0.00015
Fukui,FUKUI	07	-	09	12959.1	0.00083	±	0.00051	0.00000	±	0.00021
Kofu,YAMANASHI	07	-	09	10367.1	0.00034	±	0.00063	0.00004	±	0.00032
Nagano,NAGANO	07	-	09	11177.4	0.00032	±	0.00053	0.00000	±	0.00028
Kakamigahara,GIFU	07	-	09	12089.0	0.00000	±	0.00045	0.00007	±	0.00025
Omaezaki,SHIZUOKA	07	-	09	10563.0	0.0014	±	0.00075	0.00000	±	0.00025
Nagoya,AICHI	07	-	09	10366.2	0.00063	±	0.00068	0.00036	±	0.00031
Yokkaichi,MIE	07	-	09	14413.0	0.00000	±	0.00049	0.00000	±	0.00023
Otsu,SHIGA	07	-	09	10189.9	0.00000	±	0.00052	0.00000	±	0.00029
Kyoto,KYOTO	07	-	09	10314.0	0.00000	±	0.00054	0.00007	±	0.00026
Osaka,OSAKA	07	-	09	17238.0	0.00000	±	0.00032	0.00000	±	0.00017
Kobe,HYOGO	07	-	09	10367.4	0.00000	±	0.00060	0.00000	±	0.00028
Nara,NARA	07	-	09	10471.1	0.00000	±	0.00056	0.00000	±	0.00023
Wakayama,WAKAYAMA	07	-	09	11471.1	0.00081	±	0.00051	0.00014	±	0.00024
Yurihama-machi,TOTTORI	07	-	09	14340.0	0.00057	±	0.00039	0.00017	±	0.00020
Okayama,OKAYAMA	07	-	09	13543.2	0.00009	±	0.00048	0.00000	±	0.00023
Hiroshima,HIROSHIMA	07	-	09	10119.2	0.00048	±	0.00061	0.00000	±	0.00029

Location	Sampling Period			Absorption (m^3)	Sr-90 (mBq/m^3)			Cs-137 (mBq/m^3)		
Yamaguchi,YAMAGUCHI	07	-	09	21864.1	0.00023	±	0.00031	0.00000	±	0.00013
Tokushima,TOKUSHIMA	07	-	09	10080.0	0.00069	±	0.00066	0.00040	±	0.00035
Takamatsu,KAGAWA	07	-	09	9986.5	0.00000	±	0.00049	0.00035	±	0.00032
Saga,SAGA	07	-	09	9999.8	0.0011	±	0.00067	0.00007	±	0.00032
Omura,NAGASAKI	07	-	09	8640.0	0.00071	±	0.00067	0.00000	±	0.00033
Uto,KUMAMOTO	07	-	09	12993.6	0.00053	±	0.00050	0.00020	±	0.00024
Oita,OITA	07	-	09	10587.6	0.00000	±	0.00059	0.00000	±	0.00029
Miyazaki,MIYAZAKI	07	-	09	13111.0	0.00044	±	0.00038	0.00008	±	0.00020
Nanjo,OKINAWA	07	-	09	11991.8	0.00000	±	0.00044	0.00000	±	0.00023
Oct.2007～Dec.2007										
Morioka,IWATE	10	-	12	10368.0	0.00000	±	0.00060	0.00000	±	0.00028
Akita,AKITA	10	-	12	10800.0	0.00035	±	0.00056	0.00000	±	0.00028
Yamagata,YAMAGATA	10	-	12	12960.0	0.00000	±	0.00045	0.00000	±	0.00021
Okuma-machi,FUKUSHIMA	10	-	12	10000.0	0.00059	±	0.00055	0.00020	±	0.00029
Hitachinaka,IBARAKI	10	-	12	11783.1	0.00062	±	0.00064	0.00000	±	0.00026
Utsunomiya,TOCHIGI	10	-	12	15102.0	0.00085	±	0.00043	0.00000	±	0.00018
Maebashi,GUNMA	10	-	12	9946.0	0.00000	±	0.00060	0.00000	±	0.00028
Ichihara,CHIBA	10	-	12	10368.0	0.00093	±	0.00059	0.00011	±	0.00028
Chigasaki,KANAGAWA	10	-	12	12095.3	0.0010	±	0.00055	0.00033	±	0.00026
Niigata,NIIGATA	10	-	12	9936.0	0.0015	±	0.00062	0.00071	±	0.00028
Imizu,TOYAMA	10	-	12	18034.4	0.00069	±	0.00037	0.00005	±	0.00017
Fukui,FUKUI	10	-	12	12959.1	0.00000	±	0.00041	0.00000	±	0.00023
Kofu,YAMANASHI	10	-	12	10367.1	0.00005	±	0.00061	0.00000	±	0.00030
Nagano,NAGANO	10	-	12	11177.4	0.00096	±	0.00055	0.00026	±	0.00026
Kakamigahara,GIFU	10	-	12	12138.5	0.0013	±	0.00048	0.00037	±	0.00027
Omaezaki,SHIZUOKA	10	-	12	10092.0	0.00000	±	0.00051	0.00033	±	0.00029
Nagoya,AICHI	10	-	12	10365.9	0.0011	±	0.00058	0.00067	±	0.00027
Yokkaichi,MIE	10	-	12	14407.2	0.00088	±	0.00051	0.00000	±	0.00018
Otsu,SHIGA	10	-	12	10203.2	0.00005	±	0.00059	0.00000	±	0.00029
Kyoto,KYOTO	10	-	12	10339.5	0.0012	±	0.00062	0.00000	±	0.00028
Osaka,OSAKA	10	-	12	16870.4	0.00003	±	0.00032	0.00026	±	0.00019
Kobe,HYOGO	10	-	12	10367.4	0.00086	±	0.00059	0.00000	±	0.00024
Nara,NARA	10	-	12	10500.2	0.00064	±	0.00063	0.00000	±	0.00029
Wakayama,WAKAYAMA	10	-	12	11200.5	0.00053	±	0.00056	0.00000	±	0.00024

Location	Sampling Period			Absorption (m^3)	Sr-90 (mBq/m^3)			Cs-137 (mBq/m^3)		
Yurihama-machi,TOTTORI	10	-	12	14340.0	0.0013	±	0.00048	0.00025	±	0.00017
Okayama,OKAYAMA	10	-	12	13377.6	0.00051	±	0.00037	0.00000	±	0.00021
Hiroshima,HIROSHIMA	10	-	12	10368.3	0.0011	±	0.00055	0.00014	±	0.00026
Yamaguchi,YAMAGUCHI	10	-	12	21985.1	0.00022	±	0.00027	0.00000	±	0.00013
Tokushima,TOKUSHIMA	10	-	12	10080.0	0.00038	±	0.00047	0.00000	±	0.00025
Takamatsu,KAGAWA	10	-	12	10020.7	0.0010	±	0.00064	0.00013	±	0.00031
Saga,SAGA	10	-	12	10002.3	0.00076	±	0.00049	0.00025	±	0.00031
Omura,NAGASAKI	10	-	12	8640.0	0.00042	±	0.00059	0.00000	±	0.00037
Uto,KUMAMOTO	10	-	12	13035.9	0.00053	±	0.00038	0.00000	±	0.00021
Oita,OITA	10	-	12	10532.4	0.00083	±	0.00066	0.00004	±	0.00027
Miyazaki,MIYAZAKI	10	-	12	13363.0	0.00036	±	0.00043	0.00053	±	0.00021
Nanjo,OKINAWA	10	-	12	16173.2	0.00000	±	0.00032	0.00011	±	0.00018
Jan.2008～Mar.2008										
Morioka,IWATE	01	-	03	10368.0	0.00000	±	0.00055	0.00002	±	0.00029
Akita,AKITA	01	-	03	10800.0	0.00024	±	0.00051	0.00008	±	0.00029
Yamagata,YAMAGATA	01	-	03	12960.0	0.00035	±	0.00038	0.00000	±	0.00023
Okuma-machi,FUKUSHIMA	01	-	03	10000.0	0.00041	±	0.00053	0.00079	±	0.00034
Hitachinaka,IBARAKI	01	-	03	12295.7	0.00041	±	0.00045	0.00000	±	0.00022
Utsunomiya,TOCHIGI	01	-	03	15369.1	0.00010	±	0.00036	0.00010	±	0.00020
Maebashi,GUNMA	01	-	03	9975.7	0.00034	±	0.00069	0.00020	±	0.00032
Ichihara,CHIBA	01	-	03	10353.6	0.00076	±	0.00060	0.00028	±	0.00029
Chigasaki,KANAGAWA	01	-	03	12095.2	0.0011	±	0.00052	0.00000	±	0.00026
Niigata,NIIGATA	01	-	03	9936.0	0.0012	±	0.00064	0.00000	±	0.00028
Imizu,TOYAMA	01	-	03	18058.8	0.00044	±	0.00030	0.00016	±	0.00018
Fukui,FUKUI	01	-	03	12959.1	0.00000	±	0.00038	0.00009	±	0.00023
Kofu,YAMANASHI	01	-	03	10367.1	0.00064	±	0.00049	0.00036	±	0.00031
Nagano,NAGANO	01	-	03	11177.4	0.00081	±	0.00044	0.00018	±	0.00027
Kakamigahara,GIFU	01	-	03	11000.3	0.00000	±	0.00049	0.00000	±	0.00027
Omaezaki,SHIZUOKA	01	-	03	10066.0	0.00060	±	0.00060	0.00000	±	0.00028
Nagoya,AICHI	01	-	03	10366.2	0.00064	±	0.00048	0.00015	±	0.00029
Yokkaichi,MIE	01	-	03	14441.8	0.00061	±	0.00040	0.00000	±	0.00023
Otsu,SHIGA	01	-	03	10129.7	0.00049	±	0.00054	0.00000	±	0.00031
Kyoto,KYOTO	01	-	03	10282.5	0.00017	±	0.00052	0.00000	±	0.00027
Osaka,OSAKA	01	-	03	14450.2	0.00031	±	0.00035	0.00000	±	0.00022

Location	Sampling Period			Absorption (m^3)	Sr-90 (mBq/m^3)			Cs-137 (mBq/m^3)		
Kobe,HYOGO	01	-	03	10367.4	0.00034	±	0.00052	0.00000	±	0.00027
Nara,NARA	01	-	03	10502.2	0.00000	±	0.00050	0.00000	±	0.00028
Wakayama,WAKAYAMA	01	-	03	11194.8	0.00009	±	0.00048	0.00000	±	0.00029
Yurihama-machi,TOTTORI	01	-	03	14340.0	0.00000	±	0.00037	0.00000	±	0.00019
Okayama,OKAYAMA	01	-	03	13334.4	0.00019	±	0.00043	0.00000	±	0.00022
Hiroshima,HIROSHIMA	01	-	03	10416.8	0.0011	±	0.00064	0.00000	±	0.00028
Yamaguchi,YAMAGUCHI	01	-	03	22024.9	0.00038	±	0.00026	0.00003	±	0.00014
Tokushima,TOKUSHIMA	01	-	03	10080.0	0.0011	±	0.00061	0.00000	±	0.00030
Takamatsu,KAGAWA	01	-	03	10045.2	0.0011	±	0.00052	0.00000	±	0.00025
Saga,SAGA	01	-	03	10001.0	0.00000	±	0.00067	0.00011	±	0.00031
Omura,NAGASAKI	01	-	03	8640.0	0.00099	±	0.00060	0.00044	±	0.00038
Uto,KUMAMOTO	01	-	03	13308.8	0.0013	±	0.00048	0.00011	±	0.00025
Oita,OITA	01	-	03	10375.2	0.0018	±	0.00064	0.00033	±	0.00035
Miyazaki,MIYAZAKI	01	-	03	13438.0	0.00000	±	0.00038	0.00019	±	0.00024
Nanjo,OKINAWA	01	-	03	15022.2	0.00060	±	0.00042	0.00012	±	0.00021

(3) Strontium-90 and Cesium-137 in Service water
(from Apr.2007 to Mar.2008)
Table (3) : Strontium-90 and Cesium-137 in Service water

Location	pH (pH)	Sr-90 (mBq/L)			Cs-137 (mBq/L)		
(Source water)							
May 2007							
Sapporo,HOKKAIDO	6.5	0.78	±	0.099	0.18	±	0.051
Jun.2007							
Saitama,SAITAMA	7.0	1.2	±	0.13	0.048	±	0.042
Katsushika,TOKYO	7.3	1.2	±	0.13	0.10	±	0.045
Sagamihara,KANAGAWA	8.4	0.29	±	0.083	0.072	±	0.044
Inuyama,AICHI	6.9	1.5	±	0.13	0.000	±	0.042
Kyoto,KYOTO	8.0	1.8	±	0.14	0.000	±	0.036
Moriguchi,OSAKA	7.3	2.0	±	0.17	0.097	±	0.046
Fukuoka,FUKUOKA	6.4	1.6	±	0.14	0.076	±	0.046
Jul.2007							
Kisarazu,CHIBA	7.7	1.6	±	0.15	0.13	±	0.049
Aug.2007							
Nagano,NAGANO	7.9	0.70	±	0.096	0.000	±	0.039
(Tap water)							
Jun.2007							
Wakkanai,HOKKAIDO	6.8	0.80	±	0.099	0.009	±	0.034
Aomori,AOMORI	8.1	0.89	±	0.11	0.17	±	0.047
Morioka,IWATE	7.4	0.66	±	0.10	0.000	±	0.038
Sendai,MIYAGI	—	1.1	±	0.12	0.059	±	0.039
Akita,AKITA	6.3	1.8	±	0.15	0.093	±	0.046
Fukushima,FUKUSHIMA	6.92	1.7	±	0.16	0.000	±	0.038
Mito,IBARAKI	7.0	0.88	±	0.11	0.026	±	0.043
Utsunomiya,TOCHIGI	7.1	0.42	±	0.089	0.032	±	0.039
Maebashi,GUNMA	6.82	0.89	±	0.13	0.11	±	0.048
Saitama,SAITAMA	7.0	0.84	±	0.11	0.000	±	0.037
Ichihara,CHIBA	7.6	1.5	±	0.14	0.059	±	0.042
Katsushika,TOKYO	7.2	1.3	±	0.13	0.058	±	0.043
Yokosuka,KANAGAWA	7.5	0.50	±	0.085	0.095	±	0.041
Niigata,NIIGATA	6.55	1.7	±	0.16	0.16	±	0.047

Location	pH (pH)	Sr-90 (mBq/L)			Cs-137 (mBq/L)		
Imizu,TOYAMA	6.9	1.0	±	0.11	0.000	±	0.036
Fukui,FUKUI	7.1	0.72	±	0.11	0.000	±	0.034
Kofu,YAMANASHI	7.4	0.89	±	0.12	0.063	±	0.040
Nagano,NAGANO	7.5	0.49	±	0.089	0.000	±	0.038
Kakamigahara,GIFU	7.4	0.000	±	0.056	0.000	±	0.033
Shizuoka,SHIZUOKA	8.0	0.54	±	0.10	0.000	±	0.037
Nagoya,AICHI	6.8	1.4	±	0.13	0.000	±	0.042
Yokkaichi,MIE	7.5	3.1	±	0.19	0.000	±	0.032
Otsu,SHIGA	7.0	1.9	±	0.15	0.062	±	0.039
Kyoto,KYOTO	7.0	1.9	±	0.15	0.075	±	0.043
Osaka,OSAKA	7.6	1.8	±	0.16	0.000	±	0.039
Kobe,HYOGO	7.39	1.4	±	0.12	0.023	±	0.040
Nara,NARA	7.3	1.7	±	0.13	0.026	±	0.035
Yurihama-machi,TOTTORI	7.5	0.010	±	0.053	0.048	±	0.038
Matsue,SHIMANE	7.4	2.2	±	0.16	0.058	±	0.043
Okayama,OKAYAMA	7.2	1.4	±	0.12	0.000	±	0.032
Hiroshima,HIROSHIMA	7.2	1.7	±	0.16	0.000	±	0.041
Ube,YAMAGUCHI	7.0	1.8	±	0.14	0.087	±	0.040
Tokushima,TOKUSHIMA	7.3	1.3	±	0.12	0.018	±	0.036
Matsuyama,EHIME	7.7	0.97	±	0.12	0.000	±	0.038
Fukuoka,FUKUOKA	6.1	2.0	±	0.17	0.091	±	0.045
Saga,SAGA	7.2	1.3	±	0.12	0.009	±	0.043
Miyazaki,MIYAZAKI	7.0	0.85	±	0.12	0.038	±	0.042
Naha,OKINAWA	7.7	2.0	±	0.17	0.013	±	0.044
Jul.2007							
Kanazawa,ISHIKAWA	7.4	1.4	±	0.14	0.066	±	0.044
Uto,KUMAMOTO	7.4	0.084	±	0.080	0.031	±	0.040
Aug.2007							
Yamagata,YAMAGATA	7.0	1.6	±	0.15	0.066	±	0.044
Takamatsu,KAGAWA	6.5	1.5	±	0.14	0.059	±	0.042
Sep.2007							
Shingu,WAKAYAMA	6.6	1.2	±	0.18	0.10	±	0.044
Kagoshima,KAGOSHIMA	7.6	0.38	±	0.10	0.13	±	0.049

Location	pH (pH)	Sr-90 (mBq/L)			Cs-137 (mBq/L)		
Nov.2007							
Kochi,KOCHI	7.2	1.4	±	0.16	0.000	±	0.037
Jan.2008							
Oita,OITA	7.83	0.61	±	0.11	0.11	±	0.055
Mar.2008							
Sasebo,NAGASAKI	7.5	0.98	±	0.11	0.059	±	0.042

(4) Strontium-90 and Cesium-137 in Fresh water
(from Apr.2007 to Mar.2008)
Table (4) : Strontium-90 and Cesium-137 in Fresh water

Location	pH (pH)	Sr-90 (mBq/L)			Cs-137 (mBq/L)		
(Fresh water)							
May 2007							
IBARAKI	8.8	1.5	±	0.14	0.29	±	0.059
Jul.2007							
Ishikari,HOKKAIDO	7.6	1.3	±	0.13	0.18	±	0.049
Aug.2007							
Tsuruga,FUKUI	7.0	2.1	±	0.17	1.1	±	0.09
Sep.2007							
Akita,AKITA	8.0	2.2	±	0.16	0.16	±	0.052
Fukushima,FUKUSHIMA	7.58	0.000	±	0.055	0.000	±	0.037
Oct.2007							
NAGANO	8.0	0.69	±	0.10	0.12	±	0.049
Kameyama,MIE	7.6	4.4	±	0.24	0.061	±	0.042
Syobara,HIROSHIMA	7.3	1.6	±	0.14	0.092	±	0.044
Nov.2007							
Niigata,NIIGATA	6.99	3.1	±	0.21	0.18	±	0.057
Dec.2007							
Uji,KYOTO	6.2	0.000	±	0.054	0.000	±	0.036

(5) Strontium-90 and Cesium-137 in Soil
(from Apr.2007 to Mar.2008)
Table (5) : Strontium-90 and Cesium-137 in Soil

Location	Sampling depth(cm)	Sr-90 (Bq/kg)			Sr-90 (MBq/km^2)			Cs-137 (Bq/kg)			Cs-137 (MBq/km^2)		
May 2007													
Tokai-mura,IBARAKI	0 - 5	3.7	±	0.23	160	±	10	33	±	0.5	1400	±	20
Tokai-mura,IBARAKI	5 - 20	7.1	±	0.34	660	±	31	7.7	±	0.25	720	±	24
Tahara,AICHI	0 - 5	0.49	±	0.090	27	±	5.1	2.2	±	0.14	130	±	8
Tahara,AICHI	5 - 20	0.45	±	0.090	71	±	14	1.9	±	0.13	300	±	20
Jun.2007													
Fukushima,FUKUSHIMA	0 - 5	0.97	±	0.12	36	±	4.5	5.7	±	0.22	210	±	8
Fukushima,FUKUSHIMA	5 - 20	0.69	±	0.11	74	±	12	0.82	±	0.089	89	±	9.6
Jul.2007													
Aomori,AOMORI	0 - 5	1.8	±	0.17	43	±	4.1	5.0	±	0.20	120	±	5
Gosyogawara,AOMORI	0 - 5	0.68	±	0.12	21	±	3.6	3.3	±	0.17	100	±	5
Aomori,AOMORI	5 - 20	1.7	±	0.16	160	±	16	5.5	±	0.21	520	±	20
Gosyogawara,AOMORI	5 - 20	0.99	±	0.14	150	±	22	5.5	±	0.21	860	±	33
Takizawa-mura,IWATE	0 - 5	6.2	±	0.29	210	±	10	28	±	0.5	960	±	16
Takizawa-mura,IWATE	5 - 20	5.2	±	0.27	560	±	29	6.3	±	0.23	670	±	24
Kashiwazaki,NIIGATA	0 - 5	1.3	±	0.15	72	±	8.6	6.1	±	0.23	350	±	13
Kashiwazaki,NIIGATA	5 - 20	1.1	±	0.13	150	±	18	6.4	±	0.23	870	±	32
Imizu,TOYAMA	0 - 5	0.50	±	0.088	28	±	4.9	0.31	±	0.066	17	±	3.7
Imizu,TOYAMA	5 - 20	0.29	±	0.072	41	±	10	0.39	±	0.070	54	±	9.9
Fukui,FUKUI	0 - 5	0.78	±	0.12	15	±	2.4	2.9	±	0.16	56	±	3.1
Fukui,FUKUI	5 - 20	0.17	±	0.081	16	±	7.8	1.5	±	0.12	150	±	11
Gifu,GIFU	0 - 5	0.57	±	0.10	20	±	3.6	4.4	±	0.19	150	±	7
Gifu,GIFU	5 - 20	0.82	±	0.12	98	±	14	4.2	±	0.19	510	±	23
Gotenba,SHIZUOKA	0 - 5	0.38	±	0.094	15	±	3.7	7.2	±	0.24	280	±	10
Gotenba,SHIZUOKA	5 - 20	0.59	±	0.11	42	±	7.8	3.9	±	0.18	270	±	13
Komono-machi,MIE	0 - 5	0.066	±	0.071	3.8	±	4.1	0.91	±	0.092	52	±	5.3
Komono-machi,MIE	5 - 20	0.000	±	0.064	0	±	12	0.075	±	0.042	14	±	7.7
Yasu,SHIGA	0 - 5	0.16	±	0.072	6.8	±	3.1	6.2	±	0.22	260	±	9
Yasu,SHIGA	5 - 20	0.13	±	0.067	18	±	9.4	3.3	±	0.16	460	±	23
Kyoto,KYOTO	0 - 5	0.92	±	0.13	26	±	3.7	3.7	±	0.17	110	±	5
Kyoto,KYOTO	5 - 20	0.60	±	0.12	120	±	23	4.8	±	0.20	930	±	38

Location	Sampling depth(cm)	Sr-90 (Bq/kg)			Sr-90 (MBq/km^2)			Cs-137 (Bq/kg)			Cs-137 (MBq/km^2)		
Kasai,HYOGO	0 - 5	0.70	±	0.11	46	±	7.5	9.2	±	0.27	600	±	18
Kasai,HYOGO	5 - 20	0.23	±	0.079	32	±	11	1.1	±	0.10	150	±	14
Kashihara,NARA	0 - 5	0.64	±	0.10	29	±	4.7	4.1	±	0.18	190	±	9
Kashihara,NARA	5 - 20	0.77	±	0.11	71	±	10	4.2	±	0.19	390	±	18
Shingu,WAKAYAMA	0 - 5	0.22	±	0.074	2.3	±	0.76	1.4	±	0.11	14	±	1.2
Shingu,WAKAYAMA	5 - 20	0.16	±	0.062	5.2	±	2.1	0.46	±	0.072	15	±	2.4
Kurayoshi,TOTTORI	0 - 5	0.000	±	0.052	0.0	±	4.0	0.048	±	0.038	3.6	±	2.9
Kurayoshi,TOTTORI	5 - 20	0.000	±	0.052	0.0	±	4.0	0.000	±	0.029	0.0	±	2.2
Oda,SHIMANE	0 - 5	8.6	±	0.37	130	±	5	18	±	0.4	260	±	5
Oda,SHIMANE	5 - 20	3.0	±	0.22	240	±	18	13	±	0.3	1000	±	30
Misaki-machi,OKAYAMA	0 - 5	0.61	±	0.10	13	±	2.1	0.56	±	0.080	12	±	1.7
Misaki-machi,OKAYAMA	5 - 20	0.32	±	0.082	22	±	5.9	0.30	±	0.065	21	±	4.6
Hiroshima,HIROSHIMA	0 - 5	0.42	±	0.096	29	±	6.7	2.2	±	0.14	150	±	10
Hiroshima,HIROSHIMA	5 - 20	1.0	±	0.14	120	±	17	7.5	±	0.25	910	±	30
Hagi,YAMAGUCHI	0 - 5	0.70	±	0.12	48	±	7.9	3.0	±	0.16	200	±	11
Hagi,YAMAGUCHI	5 - 20	0.68	±	0.12	150	±	25	2.2	±	0.14	460	±	29
Sakaide,KAGAWA	0 - 5	1.8	±	0.17	73	±	6.6	9.8	±	0.28	390	±	11
Sakaide,KAGAWA	5 - 20	1.0	±	0.13	55	±	7.1	1.6	±	0.12	85	±	6.4
Matsuyama,EHIME	0 - 5	1.0	±	0.13	23	±	3.1	19	±	0.4	450	±	9
Matsuyama,EHIME	5 - 20	0.28	±	0.083	21	±	6.2	7.0	±	0.24	520	±	18
Kochi,KOCHI	0 - 5	1.4	±	0.14	29	±	3.0	4.8	±	0.20	100	±	4
Kochi,KOCHI	5 - 20	2.1	±	0.17	110	±	9	3.5	±	0.17	190	±	10
Fukuoka,FUKUOKA	0 - 5	4.1	±	0.25	210	±	12	1.2	±	0.10	57	±	5.2
Fukuoka,FUKUOKA	5 - 20	2.4	±	0.19	280	±	22	0.20	±	0.055	24	±	6.5
Saga,SAGA	0 - 5	0.000	±	0.057	0.0	±	4.5	0.52	±	0.072	41	±	5.6
Saga,SAGA	5 - 20	0.15	±	0.080	28	±	15	0.31	±	0.059	59	±	11
Sasebo,NAGASAKI	0 - 5	0.84	±	0.11	25	±	3.4	14	±	0.3	410	±	10
Sasebo,NAGASAKI	5 - 20	1.4	±	0.15	150	±	15	6.7	±	0.23	680	±	24
Nishihara-mura,KUMAMOTO	0 - 5	2.8	±	0.20	58	±	4.0	43	±	0.6	880	±	12
Nishihara-mura,KUMAMOTO	5 - 20	3.1	±	0.20	190	±	12	12	±	0.3	730	±	19
Taketa,OITA	0 - 5	1.6	±	0.15	67	±	6.3	48	±	0.6	2000	±	30
Taketa,OITA	5 - 20	1.5	±	0.15	260	±	25	24	±	0.4	4000	±	70
Aug.2007													
Sapporo,HOKKAIDO	0 - 5	2.8	±	0.20	74	±	5.3	13	±	0.3	340	±	8

Location	Sampling depth(cm)	Sr-90 (Bq/kg)			Sr-90 (MBq/km^2)			Cs-137 (Bq/kg)			Cs-137 (MBq/km^2)		
Sapporo,HOKKAIDO	5 - 20	3.3	±	0.22	340	±	22	8.8	±	0.27	900	±	27
Akita,AKITA	0 - 5	4.2	±	0.24	110	±	6	26	±	0.5	670	±	11
Akita,AKITA	5 - 20	3.5	±	0.23	400	±	26	24	±	0.4	2800	±	50
Yamagata,YAMAGATA	0 - 5	2.3	±	0.18	120	±	10	16	±	0.4	850	±	19
Yamagata,YAMAGATA	5 - 20	1.5	±	0.15	160	±	16	3.6	±	0.18	400	±	19
Nikko,TOCHIGI	0 - 5	5.1	±	0.26	77	±	3.9	42	±	0.6	620	±	9
Nikko,TOCHIGI	5 - 20	2.7	±	0.19	140	±	10	8.1	±	0.26	430	±	14
Maebashi,GUNMA	0 - 5	2.0	±	0.18	110	±	10	0.69	±	0.084	37	±	4.5
Maebashi,GUNMA	5 - 20	1.2	±	0.14	110	±	12	0.94	±	0.096	81	±	8.3
Saitama,SAITAMA	0 - 5	1.0	±	0.16	31	±	4.7	5.3	±	0.22	160	±	6
Saitama,SAITAMA	5 - 20	0.72	±	0.13	79	±	14	0.69	±	0.087	76	±	9.6
Ichihara,CHIBA	0 - 5	0.094	±	0.050	5.2	±	2.8	0.98	±	0.098	54	±	5.4
Ichihara,CHIBA	5 - 20	0.14	±	0.055	23	±	9.2	0.60	±	0.081	99	±	13
Yokosuka,KANAGAWA	0 - 5	2.3	±	0.18	82	±	6.5	3.2	±	0.17	110	±	6
Yokosuka,KANAGAWA	5 - 20	1.9	±	0.19	200	±	19	3.2	±	0.17	330	±	17
Kanazawa,ISHIKAWA	0 - 5	4.2	±	0.25	57	±	3.4	24	±	0.4	330	±	6
Kanazawa,ISHIKAWA	5 - 20	4.2	±	0.26	460	±	28	21	±	0.4	2300	±	50
Hokuto,YAMANASHI	0 - 5	7.6	±	0.34	150	±	7	18	±	0.4	360	±	8
Hokuto,YAMANASHI	5 - 20	5.6	±	0.29	370	±	19	9.2	±	0.28	600	±	18
Nagano,NAGANO	0 - 5	5.1	±	0.25	110	±	5	61	±	0.7	1300	±	20
Nagano,NAGANO	5 - 20	4.9	±	0.25	330	±	17	7.9	±	0.25	540	±	17
Osaka,OSAKA	0 - 5	0.22	±	0.075	13	±	4.3	1.5	±	0.12	87	±	6.7
Osaka,OSAKA	5 - 20	0.55	±	0.10	110	±	20	3.0	±	0.16	610	±	33
Kamiita-machi,TOKUSHIMA	0 - 5	0.45	±	0.098	37	±	8.1	1.5	±	0.11	120	±	9
Kamiita-machi,TOKUSHIMA	5 - 20	0.50	±	0.10	55	±	11	1.7	±	0.12	190	±	13
Miyazaki,MIYAZAKI	0 - 5	0.46	±	0.10	23	±	5.0	1.6	±	0.12	77	±	5.9
Miyazaki,MIYAZAKI	5 - 20	0.65	±	0.11	110	±	19	2.0	±	0.13	340	±	22
Sep.2007													
Osaki,MIYAGI	0 - 5	1.6	±	0.16	71	±	6.9	3.6	±	0.17	160	±	8
Osaki,MIYAGI	5 - 20	1.2	±	0.14	290	±	34	2.2	±	0.14	530	±	32
Shinjuku,TOKYO	0 - 5	0.51	±	0.095	15	±	2.8	4.6	±	0.20	130	±	6
Shinjuku,TOKYO	5 - 20	0.59	±	0.11	38	±	6.9	2.9	±	0.16	190	±	10
Ibusuki,KAGOSHIMA	0 - 5	0.000	±	0.058	0.0	±	2.6	0.52	±	0.072	23	±	3.2
Ibusuki,KAGOSHIMA	5 - 20	0.34	±	0.083	33	±	8.0	0.70	±	0.081	68	±	7.8

Location	Sampling depth(cm)	Sr-90 (Bq/kg)			Sr-90 (MBq/km^2)			Cs-137 (Bq/kg)			Cs-137 (MBq/km^2)		
Oct.2007													
Naha,OKINAWA	0 - 5	0.61	±	0.099	29	±	4.7	4.2	±	0.19	200	±	9
Naha,OKINAWA	5 - 20	0.95	±	0.12	130	±	16	2.7	±	0.15	360	±	20
Nov.2007													
Uruma,OKINAWA	0 - 5	0.22	±	0.073	16	±	5.2	0.51	±	0.076	36	±	5.4
Uruma,OKINAWA	5 - 20	0.12	±	0.067	22	±	13	0.66	±	0.082	130	±	16

(6) Strontium-90 and Cesium-137 in Seawater
(from Apr.2007 to Mar.2008)
Table (6) : Strontium-90 and Cesium-137 in Seawater

Location	Sample Volume analyzed (L)	Cl (‰)	Sr-90 (mBq/L)			Cs-137 (mBq/L)		
Jun.2007								
Yoichi-bay,HOKKAIDO	30.0	18.58	1.1	±	0.29	2.2	±	0.34
Jul.2007								
Soma,FUKUSHIMA	30.0	14.47	1.3	±	0.30	1.2	±	0.28
Tokai-mura,IBARAKI	30.0	17.94	1.5	±	0.31	1.6	±	0.31
Ichihara,CHIBA	30.0	17.6	1.4	±	0.31	1.3	±	0.30
Niigata,NIIGATA	30.0	18.7	1.6	±	0.32	2.2	±	0.34
Aug.2007								
Hirono-machi,IWATE	30.0	17.7	1.3	±	0.30	1.8	±	0.32
Odawa-bay,KANAGAWA	30.0	18.36	0.89	±	0.28	1.1	±	0.28
Osaka-Port,OSAKA	30.0	9.79	1.6	±	0.30	0.98	±	0.28
Yamaguchi-bay,YAMAGUCHI	30.0	18.0	1.2	±	0.30	1.5	±	0.32
Kitakyusyu,FUKUOKA	30.0	17.9	1.3	±	0.28	1.2	±	0.29
White-beach,OKINAWA	30.0	20.5	0.74	±	0.25	1.4	±	0.30
Sep.2007								
Fukaura-machi,AOMORI	30.0	18.5	1.1	±	0.28	1.4	±	0.30
Mutsu-bay,AOMORI	30.0	18.5	1.4	±	0.28	1.7	±	0.34
Tokoname,AICHI	30.0	15.54	1.3	±	0.29	1.5	±	0.31
Minamisatsuma,KAGOSHIMA	30.0	18.38	1.4	±	0.31	1.1	±	0.28

(7) Strontium-90 and Cesium-137 in Sea sediments
(from Apr.2007 to Mar.2008)
Table (7) : Strontium-90 and Cesium-137 in Sea sediments

Location	Depth (m)	Sr-90 (Bq/kg)			Cs-137 (Bq/kg)		
Jun.2007							
Yoichi-bay,HOKKAIDO	13	0.041	±	0.043	0.21	±	0.056
Jul.2007							
Soma,FUKUSHIMA	5.0	0.000	±	0.058	0.21	±	0.054
Tokai-mura,IBARAKI	22.0	0.10	±	0.051	0.41	±	0.068
Ichihara,CHIBA	17.1	0.16	±	0.061	2.4	±	0.15
Niigata,NIIGATA	27.0	0.084	±	0.057	0.56	±	0.077
Aug.2007							
Hirono-machi,IWATE	21.0	0.032	±	0.045	0.14	±	0.050
Odawa-bay,KANAGAWA	7.7	0.14	±	0.060	1.1	±	0.10
Osaka-Port,OSAKA	16.7	0.17	±	0.065	1.1	±	0.10
Yamaguchi-bay,YAMAGUCHI	11.6	0.094	±	0.052	1.9	±	0.13
Kitakyusyu,FUKUOKA	6.0	0.13	±	0.064	1.5	±	0.11
White-beach,OKINAWA	13.6	0.17	±	0.063	0.090	±	0.048
Sep.2007							
Fukaura-machi,AOMORI	18.0	0.000	±	0.054	0.47	±	0.071
Mutsu-bay,AOMORI	15.0	0.067	±	0.053	1.3	±	0.11
Tokoname,AICHI	6.5	0.16	±	0.064	0.38	±	0.064
Minamisatsuma,KAGOSHIMA	7.0	0.067	±	0.052	0.19	±	0.051

(8) Strontium-90 and Cesium-137 in Total diet
(from Apr.2007 to Mar.2008)

Table (8) : Strontium-90 and Cesium-137 in Total diet (p/d : person/day)

Location	Ash (g/p/d)	Ca (mg/p/d)	K (mg/p/d)	Sr-90 (Bq/p/d)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/p/d)	Cs-137 (Bq/g K)
Jun.2007							
Sapporo,HOKKAIDO	15.0	509	2460	0.047 ± 0.0088	0.092 ± 0.017	0.063 ± 0.0080	0.025 ± 0.0033
Aomori,AOMORI	18.3	877	2800	0.10 ± 0.013	0.12 ± 0.014	0.042 ± 0.0069	0.015 ± 0.0025
Morioka,IWATE	12.3	364	1540	0.036 ± 0.0087	0.099 ± 0.024	0.035 ± 0.0063	0.023 ± 0.0041
Akita,AKITA	13.7	415	1730	0.016 ± 0.0070	0.038 ± 0.017	0.030 ± 0.0067	0.017 ± 0.0039
Yamagata,YAMAGATA	14.1	338	1610	0.030 ± 0.0073	0.090 ± 0.022	0.016 ± 0.0052	0.0099 ± 0.0033
Fukushima,FUKUSHIMA	15.6	407	1830	0.041 ± 0.0089	0.10 ± 0.022	0.022 ± 0.0054	0.012 ± 0.0030
Mito,IBARAKI	19.1	758	2600	0.034 ± 0.0079	0.045 ± 0.010	0.023 ± 0.0057	0.0087 ± 0.0022
Utsunomiya,TOCHIGI	14.7	313	1980	0.025 ± 0.0077	0.081 ± 0.024	0.026 ± 0.0059	0.013 ± 0.0030
Maebashi,GUNMA	17.3	460	2130	0.043 ± 0.0087	0.093 ± 0.019	0.022 ± 0.0057	0.010 ± 0.0027
Saitama,SAITAMA	19.2	632	1600	0.041 ± 0.0097	0.065 ± 0.015	0.032 ± 0.0064	0.020 ± 0.0040
Chiba,CHIBA	23.1	561	2520	0.033 ± 0.0083	0.059 ± 0.015	0.011 ± 0.0054	0.0044 ± 0.0021
Shinjuku,TOKYO	12.4	365	1610	0.013 ± 0.0076	0.037 ± 0.021	0.0004 ± 0.0042	0.0002 ± 0.0026
Hiratsuka,KANAGAWA	14.0	444	2040	0.025 ± 0.0088	0.056 ± 0.020	0.046 ± 0.0073	0.023 ± 0.0035
Niigata,NIIGATA	20.1	1090	3480	0.039 ± 0.0083	0.036 ± 0.0076	0.015 ± 0.0052	0.0045 ± 0.0015
Toyama,TOYAMA	13.3	463	2190	0.029 ± 0.0074	0.063 ± 0.016	0.020 ± 0.0055	0.0092 ± 0.0025
Kanazawa,ISHIKAWA	16.1	531	2110	0.012 ± 0.0066	0.023 ± 0.012	0.011 ± 0.0056	0.0051 ± 0.0026
Fukui,FUKUI	17.7	982	2410	0.035 ± 0.0087	0.036 ± 0.0088	0.016 ± 0.0061	0.0066 ± 0.0025
Kofu,YAMANASHI	9.64	279	1460	0.0067 ± 0.0062	0.024 ± 0.022	0.012 ± 0.0047	0.0083 ± 0.0033
Nagano,NAGANO	14.5	477	1930	0.031 ± 0.0083	0.065 ± 0.017	0.015 ± 0.0051	0.0079 ± 0.0026
Gifu,GIFU	15.4	473	1940	0.022 ± 0.0089	0.046 ± 0.019	0.017 ± 0.0054	0.0086 ± 0.0028
Shizuoka,SHIZUOKA	13.7	400	2060	0.020 ± 0.0074	0.050 ± 0.018	0.014 ± 0.0059	0.0069 ± 0.0029
Nagoya,AICHI	27.2	381	2000	0.026 ± 0.0083	0.068 ± 0.022	0.025 ± 0.0058	0.013 ± 0.0029
Tsu,MIE	15.6	379	1730	0.043 ± 0.0089	0.11 ± 0.023	0.0078 ± 0.0046	0.0045 ± 0.0026
Otsu,SHIGA	11.5	378	1550	0.034 ± 0.0086	0.091 ± 0.023	0.024 ± 0.0058	0.015 ± 0.0037
Kyoto,KYOTO	17.3	554	3240	0.043 ± 0.0087	0.079 ± 0.016	0.018 ± 0.0056	0.0054 ± 0.0017
Osaka,OSAKA	10.0	421	1220	0.033 ± 0.0092	0.078 ± 0.022	0.0074 ± 0.0047	0.0061 ± 0.0038
Kakogawa,HYOGO	10.5	432	1600	0.024 ± 0.0077	0.055 ± 0.018	0.028 ± 0.0065	0.018 ± 0.0041
Kashihara,NARA	10.4	797	1280	0.0098 ± 0.0073	0.012 ± 0.0091	0.0094 ± 0.0048	0.0074 ± 0.0038
Wakayama,WAKAYAMA	13.2	341	1260	0.030 ± 0.0072	0.088 ± 0.021	0.014 ± 0.0051	0.011 ± 0.0040
Tottori,TOTTORI	10.9	303	1460	0.030 ± 0.0083	0.10 ± 0.027	0.0094 ± 0.0053	0.0064 ± 0.0036
Matsue,SHIMANE	13.8	556	2210	0.052 ± 0.0096	0.093 ± 0.017	0.036 ± 0.0065	0.016 ± 0.0029
Okayama,OKAYAMA	16.0	469	1860	0.013 ± 0.0082	0.028 ± 0.018	0.012 ± 0.0053	0.0066 ± 0.0029

Location	Ash	Ca	K	Sr-90		Cs-137	
	(g/p/d)	(mg/p/d)	(mg/p/d)	(Bq/p/d)	(Bq/g Ca)	(Bq/p/d)	(Bq/g K)
Hiroshima,HIROSHIMA	15.2	392	1700	0.026 ± 0.0074	0.067 ± 0.019	0.0075 ± 0.0049	0.0044 ± 0.0029
Yamaguchi,YAMAGUCHI	14.7	447	2090	0.044 ± 0.0088	0.099 ± 0.020	0.016 ± 0.0056	0.0078 ± 0.0027
Tokushima,TOKUSHIMA	14.2	399	1490	0.019 ± 0.0086	0.047 ± 0.022	0.014 ± 0.0053	0.0091 ± 0.0035
Takamatsu,KAGAWA	18.8	338	1850	0.029 ± 0.0080	0.086 ± 0.024	0.0069 ± 0.0050	0.0037 ± 0.0027
Matsuyama,EHIME	11.9	434	1940	0.028 ± 0.0083	0.065 ± 0.019	0.0016 ± 0.0048	0.0008 ± 0.0025
Kochi,KOCHI	14.1	413	2300	0.040 ± 0.0087	0.098 ± 0.021	0.019 ± 0.0054	0.0082 ± 0.0023
Dazaifu,FUKUOKA	14.2	320	1930	0.022 ± 0.0074	0.070 ± 0.023	0.015 ± 0.0054	0.0075 ± 0.0028
Saga,SAGA	14.8	367	2350	0.037 ± 0.0087	0.10 ± 0.024	0.016 ± 0.0050	0.0066 ± 0.0021
Kumamoto,KUMAMOTO	14.2	399	2100	0.020 ± 0.0086	0.050 ± 0.022	0.021 ± 0.0059	0.0099 ± 0.0028
Oita,OITA	12.0	270	1180	0.019 ± 0.0084	0.072 ± 0.031	0.0035 ± 0.0045	0.0030 ± 0.0038
Miyazaki,MIYAZAKI	16.7	479	2150	0.018 ± 0.0069	0.038 ± 0.014	0.025 ± 0.0063	0.012 ± 0.0029
Satsumasendai,KAGOSHIMA	17.3	664	2200	0.022 ± 0.0071	0.033 ± 0.011	0.025 ± 0.0058	0.011 ± 0.0026
Jul.2007							
Ishinomaki,MIYAGI	16.3	562	2480	0.026 ± 0.0081	0.046 ± 0.014	0.012 ± 0.0057	0.0050 ± 0.0023
Oomura,NAGASAKI	19.4	427	2290	0.031 ± 0.0076	0.074 ± 0.018	0.019 ± 0.0055	0.0081 ± 0.0024
Aug.2007							
Naha,OKINAWA	10.8	243	1520	0.019 ± 0.0086	0.079 ± 0.036	0.0092 ± 0.0047	0.0061 ± 0.0031
Oct.2007							
Kochi,KOCHI	15.2	530	2570	0.038 ± 0.0083	0.071 ± 0.016	0.012 ± 0.0049	0.0046 ± 0.0019
Oomura,NAGASAKI	15.0	521	1550	0.052 ± 0.0092	0.10 ± 0.018	0.0089 ± 0.0046	0.0058 ± 0.0030
Nov.2007							
Ishinomaki,MIYAGI	16.1	626	2000	0.023 ± 0.0086	0.037 ± 0.014	0.019 ± 0.0056	0.0094 ± 0.0028
Yamagata,YAMAGATA	14.4	351	1470	0.027 ± 0.0092	0.077 ± 0.026	0.012 ± 0.0051	0.0080 ± 0.0035
Fukushima,FUKUSHIMA	14.9	392	1940	0.029 ± 0.0084	0.073 ± 0.021	0.0008 ± 0.0042	0.0004 ± 0.0022
Saitama,SAITAMA	12.7	410	2150	0.039 ± 0.0084	0.095 ± 0.020	0.021 ± 0.0055	0.0096 ± 0.0026
Chiba,CHIBA	16.9	466	2500	0.047 ± 0.0088	0.10 ± 0.019	0.025 ± 0.0062	0.0099 ± 0.0025
Toyama,TOYAMA	13.6	404	2120	0.037 ± 0.0085	0.091 ± 0.021	0.017 ± 0.0049	0.0080 ± 0.0023
Fukui,FUKUI	16.9	585	2370	0.039 ± 0.0096	0.067 ± 0.016	0.025 ± 0.0059	0.010 ± 0.0025
Nagano,NAGANO	13.2	535	1530	0.025 ± 0.0084	0.046 ± 0.016	0.013 ± 0.0052	0.0083 ± 0.0034
Shizuoka,SHIZUOKA	12.9	388	1700	0.034 ± 0.0080	0.088 ± 0.020	0.020 ± 0.0054	0.012 ± 0.0032
Nagoya,AICHI	12.9	366	1910	0.028 ± 0.0077	0.078 ± 0.021	0.021 ± 0.0054	0.011 ± 0.0028
Kashihara,NARA	11.5	963	1620	0.026 ± 0.0073	0.027 ± 0.0076	0.019 ± 0.0054	0.012 ± 0.0033
Wakayama,WAKAYAMA	12.2	383	1460	0.026 ± 0.0074	0.068 ± 0.019	0.016 ± 0.0052	0.011 ± 0.0035
Tottori,TOTTORI	13.8	301	1960	0.055 ± 0.0099	0.18 ± 0.033	0.021 ± 0.0055	0.010 ± 0.0028
Matsue,SHIMANE	14.2	831	1860	0.042 ± 0.0094	0.051 ± 0.011	0.020 ± 0.0057	0.011 ± 0.0030
Okayama,OKAYAMA	17.5	609	2350	0.032 ± 0.0081	0.052 ± 0.013	0.056 ± 0.0075	0.024 ± 0.0032

Location	Ash	Ca	K	Sr-90		Cs-137	
	(g/p/d)	(mg/p/d)	(mg/p/d)	(Bq/p/d)	(Bq/g Ca)	(Bq/p/d)	(Bq/g K)
Matsuyama,EHIME	13.9	642	1850	0.029 ± 0.0088	0.046 ± 0.014	0.032 ± 0.0064	0.018 ± 0.0034
Dazaifu,FUKUOKA	16.2	429	2370	0.023 ± 0.0073	0.053 ± 0.017	0.021 ± 0.0056	0.0090 ± 0.0024
Saga,SAGA	15.9	407	1940	0.035 ± 0.0080	0.086 ± 0.020	0.061 ± 0.0080	0.031 ± 0.0041
Oita,OITA	13.5	358	1550	0.036 ± 0.0097	0.10 ± 0.027	0.015 ± 0.0053	0.0096 ± 0.0034
Satsumasendai,KAGOSHIMA	16.5	432	2330	0.039 ± 0.0089	0.089 ± 0.021	0.014 ± 0.0051	0.0059 ± 0.0022
Dec.2007							
Sapporo,HOKKAIDO	12.3	310	1830	0.040 ± 0.0090	0.13 ± 0.029	0.020 ± 0.0055	0.011 ± 0.0030
Aomori,AOMORI	20.3	962	2920	0.082 ± 0.011	0.085 ± 0.012	0.031 ± 0.0064	0.011 ± 0.0022
Morioka,IWATE	11.3	242	1360	0.030 ± 0.0090	0.12 ± 0.037	0.0062 ± 0.0046	0.0046 ± 0.0034
Akita,AKITA	13.8	366	1500	0.020 ± 0.0070	0.054 ± 0.019	0.022 ± 0.0053	0.015 ± 0.0035
Mito,IBARAKI	16.4	590	1940	0.039 ± 0.0089	0.066 ± 0.015	0.021 ± 0.0058	0.011 ± 0.0030
Utsunomiya,TOCHIGI	15.9	541	2210	0.050 ± 0.0092	0.092 ± 0.017	0.022 ± 0.0054	0.010 ± 0.0024
Maebashi,GUNMA	17.1	592	2650	0.037 ± 0.0083	0.062 ± 0.014	0.028 ± 0.0057	0.010 ± 0.0022
Shinjuku,TOKYO	13.4	272	1660	0.021 ± 0.0070	0.076 ± 0.026	0.015 ± 0.0049	0.0088 ± 0.0030
Hiratsuka,KANAGAWA	16.0	509	2350	0.024 ± 0.0075	0.047 ± 0.015	0.038 ± 0.0067	0.016 ± 0.0028
Niigata,NIIGATA	21.7	699	2840	0.043 ± 0.0084	0.061 ± 0.012	0.019 ± 0.0055	0.0067 ± 0.0019
Kanazawa,ISHIKAWA	15.8	435	2120	0.036 ± 0.0096	0.083 ± 0.022	0.020 ± 0.0056	0.0096 ± 0.0026
Kofu,YAMANASHI	10.5	333	1710	0.036 ± 0.0095	0.11 ± 0.029	0.016 ± 0.0053	0.0096 ± 0.0031
Gifu,GIFU	13.3	463	2000	0.034 ± 0.0087	0.073 ± 0.019	0.018 ± 0.0056	0.0091 ± 0.0028
Tsu,MIE	19.4	871	3030	0.064 ± 0.011	0.073 ± 0.013	0.020 ± 0.0058	0.0068 ± 0.0019
Otsu,SHIGA	14.5	344	1830	0.031 ± 0.0095	0.091 ± 0.028	0.022 ± 0.0058	0.012 ± 0.0032
Kyoto,KYOTO	15.5	639	2110	0.031 ± 0.0086	0.049 ± 0.014	0.015 ± 0.0055	0.0073 ± 0.0026
Osaka,OSAKA	7.09	267	1060	0.031 ± 0.0080	0.12 ± 0.030	0.0096 ± 0.0045	0.0090 ± 0.0042
Kakogawa,HYOGO	13.3	576	1860	0.040 ± 0.0087	0.070 ± 0.015	0.022 ± 0.0055	0.012 ± 0.0030
Hiroshima,HIROSHIMA	14.5	347	1570	0.037 ± 0.0077	0.11 ± 0.022	0.011 ± 0.0050	0.0069 ± 0.0032
Yamaguchi,YAMAGUCHI	14.6	461	2480	0.027 ± 0.0077	0.059 ± 0.017	0.025 ± 0.0057	0.0099 ± 0.0023
Tokushima,TOKUSHIMA	15.7	416	2120	0.031 ± 0.0090	0.074 ± 0.022	0.0094 ± 0.0048	0.0044 ± 0.0023
Takamatsu,KAGAWA	28.4	548	2060	0.027 ± 0.0077	0.050 ± 0.014	0.027 ± 0.0056	0.013 ± 0.0027
Kumamoto,KUMAMOTO	15.8	398	2460	0.028 ± 0.0076	0.070 ± 0.019	0.023 ± 0.0056	0.0093 ± 0.0023
Miyazaki,MIYAZAKI	15.0	537	2010	0.047 ± 0.0087	0.088 ± 0.016	0.066 ± 0.0081	0.033 ± 0.0040
Jan.2008							
Naha,OKINAWA	13.0	343	1890	0.015 ± 0.0057	0.043 ± 0.017	0.010 ± 0.0048	0.0056 ± 0.0025

(9)-1

Strontium-90 and Cesium-137 in Rice(producing districts)

(from Apr.2007 to Mar.2008)

Table (9)-1 : Strontium-90 and Cesium-137 in Rice(producing districts)

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
Aug.2007							
Miyazaki,MIYAZAKI	0.650	0.040	0.910	0.010 ± 0.0055	0.26 ± 0.14	0.0000 ± 0.0026	0.0000 ± 0.0029
Uruma,OKINAWA	0.588	0.039	1.09	0.0085 ± 0.0060	0.22 ± 0.16	0.0040 ± 0.0040	0.0037 ± 0.0036
Sep.2007							
Gifu,GIFU	0.583	0.048	1.01	0.0091 ± 0.0064	0.19 ± 0.13	0.0032 ± 0.0039	0.0032 ± 0.0039
Matsusaka,MIE	0.560	0.047	0.997	0.0061 ± 0.0059	0.13 ± 0.12	0.0048 ± 0.0041	0.0048 ± 0.0041
Oct.2007							
Hirosaki,AOMORI	0.532	0.036	0.787	0.0019 ± 0.0054	0.05 ± 0.15	0.0034 ± 0.0041	0.0043 ± 0.0052
Akita,AKITA	0.605	0.039	0.635	0.0054 ± 0.0059	0.14 ± 0.15	0.012 ± 0.0040	0.019 ± 0.0063
Chiba,CHIBA	0.772	0.050	1.01	0.0060 ± 0.0050	0.12 ± 0.10	0.0016 ± 0.0028	0.0016 ± 0.0028
Niigata,NIIGATA	0.579	0.042	0.903	0.0014 ± 0.0065	0.03 ± 0.16	0.019 ± 0.0052	0.022 ± 0.0057
Imizu,TOYAMA	0.622	0.045	0.641	0.013 ± 0.0057	0.29 ± 0.13	0.0000 ± 0.0043	0.0000 ± 0.0067
Uchinada-machi,ISHIKAWA	0.675	0.041	0.884	0.010 ± 0.0074	0.25 ± 0.18	0.0000 ± 0.0032	0.0000 ± 0.0036
Azumino,NAGANO	0.471	0.044	0.876	0.012 ± 0.0066	0.27 ± 0.15	0.0000 ± 0.0032	0.0000 ± 0.0036
Yamaguchi,YAMAGUCHI	0.718	0.050	1.10	0.0000 ± 0.0047	0.000 ± 0.094	0.012 ± 0.0048	0.011 ± 0.0044
Miki-machi,KAGAWA	0.687	0.044	0.914	0.010 ± 0.0055	0.22 ± 0.12	0.015 ± 0.0044	0.016 ± 0.0048
Koshi,KUMAMOTO	0.782	0.046	1.17	0.0083 ± 0.0052	0.18 ± 0.11	0.0041 ± 0.0033	0.0036 ± 0.0028
Nov.2007							
Ishikari,HOKKAIDO	0.705	0.031	1.02	0.0063 ± 0.0058	0.20 ± 0.19	0.0068 ± 0.0037	0.0066 ± 0.0036
Ishinomaki,MIYAGI	0.710	0.043	0.706	0.0000 ± 0.0052	0.00 ± 0.12	0.0012 ± 0.0037	0.0017 ± 0.0053
Fukushima,FUKUSHIMA	0.637	0.042	0.777	0.0000 ± 0.0052	0.00 ± 0.12	0.0074 ± 0.0046	0.0096 ± 0.0059
Utsunomiya,TOCHIGI	0.750	0.044	0.773	0.017 ± 0.0065	0.38 ± 0.15	0.011 ± 0.0045	0.015 ± 0.0058
Otsu,SHIGA	0.581	0.046	0.854	0.0034 ± 0.0053	0.07 ± 0.12	0.020 ± 0.0048	0.023 ± 0.0056
Kasai,HYOGO	0.590	0.045	0.726	0.012 ± 0.0056	0.26 ± 0.13	0.0016 ± 0.0045	0.0022 ± 0.0062
Kashihara,NARA	0.712	0.048	0.699	0.0095 ± 0.0057	0.20 ± 0.12	0.0017 ± 0.0046	0.0024 ± 0.0065
Saga,SAGA	0.559	0.035	0.760	0.012 ± 0.0060	0.35 ± 0.17	0.0073 ± 0.0050	0.0096 ± 0.0066
Usa,OITA	0.651	0.035	0.690	0.0000 ± 0.0046	0.00 ± 0.13	0.0027 ± 0.0040	0.0040 ± 0.0059
Dec.2007							
Takizawa-mura,IWATE	0.798	0.049	0.982	0.014 ± 0.0067	0.28 ± 0.14	0.17 ± 0.012	0.17 ± 0.013
Mito,IBARAKI	0.719	0.048	0.638	0.0007 ± 0.0057	0.01 ± 0.12	0.012 ± 0.0048	0.020 ± 0.0075

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
Maebashi,GUNMA	0.732	0.034	0.585	0.017 ± 0.0064	0.50 ± 0.19	0.0067 ± 0.0039	0.011 ± 0.0066
Yokosuka,KANAGAWA	0.833	0.050	0.991	0.0044 ± 0.0060	0.09 ± 0.12	0.0037 ± 0.0040	0.0037 ± 0.0041
Hokuto,YAMANASHI	0.714	0.041	1.01	0.0051 ± 0.0049	0.12 ± 0.12	0.0036 ± 0.0036	0.0035 ± 0.0035
Chikushino,FUKUOKA	0.762	0.055	0.869	0.011 ± 0.0062	0.19 ± 0.11	0.11 ± 0.010	0.13 ± 0.012
Jan.2008							
Ishii-machi,TOKUSHIMA	0.625	0.040	1.00	0.010 ± 0.0059	0.25 ± 0.15	0.0004 ± 0.0035	0.0004 ± 0.0035
Sasebo,NAGASAKI	0.634	0.044	0.869	0.0068 ± 0.0059	0.16 ± 0.13	0.0096 ± 0.0047	0.011 ± 0.0054

(9)-2

Strontium-90 and Cesium-137 in Rice(consuming districts)

(from Apr.2007 to Mar.2008)

Table (9)-2 : Strontium-90 and Cesium-137 in Rice(consuming districts)

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
Oct.2007							
Shinjuku,TOKYO	0.609	0.045	0.798	0.0044 ± 0.0070	0.10 ± 0.16	0.097 ± 0.0094	0.12 ± 0.012
Niigata,NIIGATA	0.738	0.045	0.856	0.0042 ± 0.0066	0.09 ± 0.15	0.013 ± 0.0045	0.015 ± 0.0053
Fukui,FUKUI	0.568	0.039	0.949	0.0000 ± 0.0063	0.00 ± 0.16	0.0065 ± 0.0040	0.0069 ± 0.0042
Kyoto,KYOTO	0.591	0.036	0.492	0.0058 ± 0.0056	0.16 ± 0.16	0.0046 ± 0.0037	0.0093 ± 0.0076
Shingu,WAKAYAMA	0.705	0.039	0.790	0.0061 ± 0.0048	0.15 ± 0.12	0.0081 ± 0.0050	0.010 ± 0.0064
Hiroshima,HIROSHIMA	0.690	0.045	0.994	0.013 ± 0.0059	0.28 ± 0.13	0.030 ± 0.0056	0.031 ± 0.0056
Nov.2007							
Sapporo,HOKKAIDO	0.771	0.047	0.964	0.013 ± 0.0069	0.27 ± 0.15	0.0044 ± 0.0034	0.0045 ± 0.0035
Yamagata,YAMAGATA	0.574	0.044	0.591	0.0000 ± 0.0049	0.00 ± 0.11	0.014 ± 0.0042	0.024 ± 0.0071
Saitama,SAITAMA	0.577	0.032	0.710	0.016 ± 0.0062	0.51 ± 0.19	0.0073 ± 0.0050	0.010 ± 0.0070
Chigasaki,KANAGAWA	0.702	0.045	0.997	0.014 ± 0.0059	0.31 ± 0.13	0.023 ± 0.0050	0.023 ± 0.0050
Shizuoka,SHIZUOKA	0.636	0.038	0.687	0.0045 ± 0.0052	0.12 ± 0.14	0.0000 ± 0.0035	0.0000 ± 0.0051
Osaka,OSAKA	0.608	0.036	0.638	0.0006 ± 0.0055	0.02 ± 0.15	0.0000 ± 0.0033	0.0000 ± 0.0051
Kobe,HYOGO	0.559	0.041	0.671	0.0063 ± 0.0050	0.16 ± 0.12	0.0000 ± 0.0036	0.0000 ± 0.0054
Okayama,OKAYAMA	0.701	0.046	0.757	0.0075 ± 0.0051	0.16 ± 0.11	0.0076 ± 0.0040	0.010 ± 0.0053
Matsuyama,EHIME	0.541	0.035	0.887	0.0000 ± 0.0047	0.00 ± 0.13	0.0000 ± 0.0031	0.0000 ± 0.0035
Kagoshima,KAGOSHIMA	0.632	0.035	0.847	0.0088 ± 0.0057	0.25 ± 0.16	0.027 ± 0.0056	0.031 ± 0.0067
Uruma,OKINAWA	0.582	0.039	0.815	0.010 ± 0.0053	0.26 ± 0.14	0.0000 ± 0.0041	0.0000 ± 0.0050
Dec.2007							
Nagoya,AICHI	0.545	0.049	0.948	0.012 ± 0.0061	0.25 ± 0.12	0.0000 ± 0.0041	0.0000 ± 0.0043
Kurayoshi,TOTTORI	0.717	0.043	0.746	0.0067 ± 0.0058	0.16 ± 0.14	0.038 ± 0.0067	0.051 ± 0.0090
Matsue,SHIMANE	0.688	0.038	0.743	0.019 ± 0.0074	0.49 ± 0.19	0.026 ± 0.0058	0.035 ± 0.0078
Kasuga,FUKUOKA	0.711	0.041	0.832	0.0067 ± 0.0058	0.16 ± 0.14	0.0060 ± 0.0044	0.0073 ± 0.0052
Jan.2008							
Kochi,KOCHI	0.686	0.042	0.919	0.0040 ± 0.0048	0.09 ± 0.12	0.0019 ± 0.0033	0.0021 ± 0.0036

(10)-1

Strontium-90 and Cesium-137 in Milk(producing districts)

(from Apr.2007 to Mar.2008)

Table (10)-1 : Strontium-90 and Cesium-137 in Milk(producing districts)

Location	Ash	Ca	K	Sr-90		Cs-137	
	(w/v%)	(g/L)	(g/L)	(Bq/L)	(Bq/g Ca)	(Bq/L)	(Bq/g K)
May 2007							
Sapporo,HOKKAIDO	0.790	1.18	1.46	0.013 ± 0.0062	0.011 ± 0.0053	0.018 ± 0.0049	0.012 ± 0.0034
Jun.2007							
Yuni-machi,HOKKAIDO	0.762	1.17	1.74	0.0073 ± 0.0068	0.0063 ± 0.0058	0.012 ± 0.0047	0.0070 ± 0.0027
Tobetsu-machi,HOKKAIDO	0.728	1.11	1.58	0.023 ± 0.0082	0.021 ± 0.0074	0.040 ± 0.0068	0.025 ± 0.0043
Jul.2007							
Fujisawa,KANAGAWA	0.752	1.15	1.60	0.0067 ± 0.0062	0.0058 ± 0.0054	0.0041 ± 0.0041	0.0026 ± 0.0026
Aug.2007							
Aomori,AOMORI	0.762	1.16	1.71	0.020 ± 0.0065	0.017 ± 0.0056	0.025 ± 0.0053	0.015 ± 0.0031
Morioka,IWATE	0.735	1.13	1.48	0.015 ± 0.0067	0.013 ± 0.0059	0.0061 ± 0.0050	0.0041 ± 0.0034
Mito,IBARAKI	0.716	1.07	1.56	0.014 ± 0.0063	0.013 ± 0.0059	0.0062 ± 0.0043	0.0040 ± 0.0027
Nasushiobara,TOCHIGI	0.727	1.14	1.55	0.010 ± 0.0058	0.0091 ± 0.0051	0.014 ± 0.0050	0.0091 ± 0.0032
Fujimi-mura,GUNMA	0.708	1.05	1.49	0.019 ± 0.0074	0.018 ± 0.0070	0.0047 ± 0.0042	0.0032 ± 0.0028
Yachimata,CHIBA	0.725	1.04	1.55	0.013 ± 0.0066	0.013 ± 0.0063	0.0036 ± 0.0047	0.0023 ± 0.0031
Hachijo-machi,TOKYO	0.683	1.07	1.11	0.013 ± 0.0063	0.012 ± 0.0058	0.0063 ± 0.0043	0.0057 ± 0.0039
Niigata,NIIGATA	0.773	1.10	1.62	0.033 ± 0.0091	0.030 ± 0.0083	0.0024 ± 0.0042	0.0015 ± 0.0026
Tonami,TOYAMA	0.731	1.10	1.52	0.014 ± 0.0066	0.012 ± 0.0060	0.012 ± 0.0055	0.0078 ± 0.0036
Hodatsushimizu-machi,ISHIKAWA	0.754	1.12	1.64	0.020 ± 0.0069	0.018 ± 0.0061	0.0054 ± 0.0042	0.0033 ± 0.0025
Katsuyama,FUKUI	0.763	1.03	1.54	0.018 ± 0.0068	0.017 ± 0.0066	0.014 ± 0.0050	0.0089 ± 0.0032
Hokuto,YAMANASHI	0.742	1.11	1.51	0.011 ± 0.0065	0.0098 ± 0.0059	0.0047 ± 0.0042	0.0031 ± 0.0028
Shinano-machi,NAGANO	0.725	1.10	1.46	0.0089 ± 0.0064	0.0081 ± 0.0058	0.0012 ± 0.0046	0.0008 ± 0.0032
Hashima,GIFU	0.734	1.13	1.52	0.0092 ± 0.0061	0.0081 ± 0.0054	0.0016 ± 0.0040	0.0010 ± 0.0026
Taiki-machi,MIE	0.758	1.13	1.54	0.013 ± 0.0067	0.012 ± 0.0059	0.0039 ± 0.0042	0.0025 ± 0.0027
Hino-machi,SHIGA	0.767	1.13	1.66	0.017 ± 0.0065	0.015 ± 0.0057	0.0000 ± 0.0040	0.0000 ± 0.0024
Sakai,OSAKA	0.762	1.11	1.62	0.019 ± 0.0073	0.017 ± 0.0066	0.0089 ± 0.0046	0.0055 ± 0.0028
Minamiawaji,HYOGO	0.710	1.06	1.49	0.016 ± 0.0065	0.015 ± 0.0062	0.0032 ± 0.0045	0.0021 ± 0.0030
Uda,NARA	0.605	0.889	1.29	0.012 ± 0.0052	0.014 ± 0.0058	0.0008 ± 0.0032	0.0006 ± 0.0025
Kotoura-machi,TOTTORI	0.708	1.05	1.52	0.027 ± 0.0076	0.026 ± 0.0072	0.0031 ± 0.0042	0.0021 ± 0.0028
Matsue,SHIMANE	0.762	1.11	1.54	0.012 ± 0.0075	0.011 ± 0.0067	0.0000 ± 0.0038	0.0000 ± 0.0025
Kitahiroshima-machi,HIROSHIMA	0.728	1.12	1.54	0.017 ± 0.0074	0.015 ± 0.0066	0.0066 ± 0.0043	0.0043 ± 0.0028

Location	Ash (w/v%)	Ca (g/L)	K (g/L)	Sr-90 (Bq/L)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/L)	Cs-137 (Bq/g K)
Kamiita-machi,TOKUSHIMA	0.734	1.15	1.47	0.015 ± 0.0062	0.013 ± 0.0054	0.0049 ± 0.0039	0.0033 ± 0.0026
Mitoyo,KAGAWA	0.685	1.02	1.45	0.0076 ± 0.0060	0.0074 ± 0.0059	0.0000 ± 0.0035	0.0000 ± 0.0024
Touon,EHIME	0.698	1.05	1.53	0.021 ± 0.0069	0.020 ± 0.0066	0.0088 ± 0.0043	0.0057 ± 0.0028
Kochi,KOCHI	0.721	1.05	1.60	0.011 ± 0.0063	0.011 ± 0.0060	0.0000 ± 0.0036	0.0000 ± 0.0022
Chikuzen-machi,FUKUOKA	0.691	1.09	1.50	0.018 ± 0.0078	0.016 ± 0.0072	0.0049 ± 0.0042	0.0033 ± 0.0028
Saga,SAGA	0.747	1.13	1.67	0.029 ± 0.0080	0.026 ± 0.0071	0.012 ± 0.0047	0.0071 ± 0.0028
Koshi,KUMAMOTO	0.739	1.15	1.50	0.029 ± 0.0075	0.025 ± 0.0065	0.0094 ± 0.0042	0.0063 ± 0.0028
Takaharu-machi,MIYAZAKI	0.717	1.08	1.54	0.015 ± 0.0067	0.014 ± 0.0062	0.016 ± 0.0052	0.010 ± 0.0034
Kanoya,KAGOSHIMA	0.710	1.06	1.52	0.0094 ± 0.0061	0.0089 ± 0.0058	0.021 ± 0.0052	0.014 ± 0.0034
Sep.2007							
Taketa,OITA	0.785	1.19	1.65	0.022 ± 0.0064	0.019 ± 0.0053	0.054 ± 0.0072	0.033 ± 0.0044
Jan.2008							
Sasebo,NAGASAKI	0.731	1.16	1.61	0.030 ± 0.0072	0.026 ± 0.0062	0.0058 ± 0.0036	0.0036 ± 0.0023

(10)-2

Strontium-90 and Cesium-137 in Milk(consuming districts)

(from Apr.2007 to Mar.2008)

Table (10)-2 : Strontium-90 and Cesium-137 in Milk(consuming districts)

Location	Ash	Ca	K	Sr-90		Cs-137	
	(w/v%)	(g/L)	(g/L)	(Bq/L)	(Bq/g Ca)	(Bq/L)	(Bq/g K)
May 2007							
Sapporo,HOKKAIDO	0.769	1.13	1.53	0.024 ± 0.0086	0.021 ± 0.0076	0.026 ± 0.0058	0.017 ± 0.0038
Jun.2007							
Fukushima,FUKUSHIMA	0.755	1.06	1.53	0.0077 ± 0.0069	0.0073 ± 0.0065	0.017 ± 0.0054	0.011 ± 0.0035
Jul.2007							
Rifu-machi,MIYAGI	0.763	1.14	1.63	0.026 ± 0.0077	0.022 ± 0.0067	0.015 ± 0.0047	0.0095 ± 0.0029
Aug.2007							
Akita,AKITA	0.713	1.06	1.51	0.0027 ± 0.0066	0.0026 ± 0.0062	0.046 ± 0.0070	0.030 ± 0.0046
Yamagata,YAMAGATA	0.731	1.10	1.43	0.0057 ± 0.0059	0.0052 ± 0.0054	0.0063 ± 0.0039	0.0044 ± 0.0027
Saitama,SAITAMA	0.717	1.05	1.48	0.033 ± 0.0083	0.031 ± 0.0079	0.051 ± 0.0075	0.035 ± 0.0050
Shinjuku,TOKYO	0.640	0.877	1.18	0.012 ± 0.0058	0.013 ± 0.0066	0.0008 ± 0.0033	0.0007 ± 0.0028
Chigasaki,KANAGAWA	0.724	1.10	1.53	0.013 ± 0.0062	0.012 ± 0.0056	0.010 ± 0.0046	0.0066 ± 0.0030
Niigata,NIIGATA	0.761	1.07	1.58	0.0027 ± 0.0067	0.0025 ± 0.0062	0.0071 ± 0.0046	0.0045 ± 0.0029
Fukui,FUKUI	0.872	1.12	1.69	0.035 ± 0.0088	0.032 ± 0.0079	0.019 ± 0.0053	0.011 ± 0.0032
Shizuoka,SHIZUOKA	0.736	1.07	1.49	0.017 ± 0.0077	0.016 ± 0.0072	0.0094 ± 0.0048	0.0063 ± 0.0032
Nagoya,AICHI	0.725	1.08	1.50	0.0085 ± 0.0074	0.0079 ± 0.0068	0.0091 ± 0.0045	0.0061 ± 0.0030
Kyoto,KYOTO	0.739	1.09	1.59	0.0069 ± 0.0052	0.0064 ± 0.0048	0.0098 ± 0.0041	0.0062 ± 0.0026
Osaka,OSAKA	0.734	1.11	1.50	0.018 ± 0.0071	0.016 ± 0.0064	0.0008 ± 0.0040	0.0005 ± 0.0026
Matsue,SHIMANE	0.782	1.13	1.48	0.0093 ± 0.0056	0.0082 ± 0.0049	0.012 ± 0.0044	0.0080 ± 0.0030
Okayama,OKAYAMA	0.743	1.12	1.48	0.016 ± 0.0069	0.014 ± 0.0062	0.014 ± 0.0046	0.0092 ± 0.0031
Hiroshima,HIROSHIMA	0.708	1.05	1.44	0.0055 ± 0.0069	0.0052 ± 0.0066	0.0060 ± 0.0042	0.0042 ± 0.0030
Yamaguchi,YAMAGUCHI	0.741	1.11	1.52	0.0000 ± 0.0058	0.0000 ± 0.0052	0.0012 ± 0.0037	0.0008 ± 0.0024
Touon,EHIME	0.693	1.03	1.53	0.025 ± 0.0077	0.024 ± 0.0075	0.015 ± 0.0049	0.010 ± 0.0032
Kochi,KOCHI	0.726	1.11	1.57	0.022 ± 0.0072	0.020 ± 0.0065	0.0041 ± 0.0036	0.0026 ± 0.0023
Chikushino,FUKUOKA	0.689	1.01	1.41	0.022 ± 0.0077	0.022 ± 0.0076	0.0000 ± 0.0040	0.0000 ± 0.0028
Kagoshima,KAGOSHIMA	0.743	1.11	1.57	0.015 ± 0.0069	0.014 ± 0.0062	0.0075 ± 0.0041	0.0048 ± 0.0026
Uruma,OKINAWA	0.745	1.14	1.51	0.029 ± 0.0072	0.025 ± 0.0063	0.0071 ± 0.0040	0.0047 ± 0.0026
Oct.2007							
Shingu,WAKAYAMA	0.743	1.17	1.49	0.023 ± 0.0062	0.020 ± 0.0053	0.0055 ± 0.0038	0.0037 ± 0.0026

(10)-3

Strontium-90 and Cesium-137 in Milk(powdered milk)

(from Apr.2007 to Mar.2008)

Table (10)-3 : Strontium-90 and Cesium-137 in Milk(powdered milk)

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg)	(g/kg)	(Bq/kg)	(Bq/g Ca)	(Bq/kg)	(Bq/g K)
Apr.2007							
Sample A	7.79	12.3	16.2	0.18 ± 0.022	0.015 ± 0.0018	0.066 ± 0.011	0.0041 ± 0.00068
Sample B	2.38	3.45	5.07	0.029 ± 0.0079	0.0085 ± 0.0023	0.063 ± 0.0082	0.012 ± 0.0016
Sample C	7.87	12.5	16.4	0.40 ± 0.030	0.032 ± 0.0024	0.43 ± 0.024	0.026 ± 0.0015
Sample D	2.49	4.33	4.61	0.015 ± 0.0066	0.0035 ± 0.0015	0.010 ± 0.0051	0.0022 ± 0.0011
Sample E	3.80	6.57	6.95	0.092 ± 0.015	0.014 ± 0.0023	0.085 ± 0.012	0.012 ± 0.0017
Sample F	2.46	3.52	5.31	0.012 ± 0.0063	0.0033 ± 0.0018	0.073 ± 0.0085	0.014 ± 0.0016
Oct.2007							
Sample B	2.62	3.90	5.53	0.031 ± 0.0079	0.0079 ± 0.0020	0.079 ± 0.0083	0.014 ± 0.0015
Sample D	2.42	3.73	5.11	0.014 ± 0.0065	0.0038 ± 0.0017	0.011 ± 0.0042	0.0022 ± 0.00081
Sample E	3.78	6.62	6.99	0.095 ± 0.012	0.014 ± 0.0019	0.084 ± 0.0086	0.012 ± 0.0012
Sample F	2.56	3.87	5.07	0.038 ± 0.0092	0.0098 ± 0.0024	0.057 ± 0.0073	0.011 ± 0.0014
Nov.2007							
Sample A	7.80	11.9	16.8	0.13 ± 0.018	0.011 ± 0.0015	0.076 ± 0.011	0.0045 ± 0.00064
Dec.2007							
Sample C	7.97	12.6	16.9	0.29 ± 0.026	0.023 ± 0.0021	0.96 ± 0.035	0.057 ± 0.0021

(11)-1

Strontium-90 and Cesium-137 in Vegetables(producing districts)

(from Apr.2007 to Mar.2008)

Table (11)-1 : Strontium-90 and Cesium-137 in Vegetables(producing districts)

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
(Leafy vegetables)							
Apr.2007							
Uruma,OKINAWA	0.587	0.467	1.97	0.031 ± 0.0076	0.067 ± 0.016	0.0023 ± 0.0041	0.0012 ± 0.0021
May 2007							
Tahara,AICHI	1.67	0.508	7.15	0.067 ± 0.011	0.13 ± 0.021	0.0000 ± 0.0039	0.00000 ± 0.00055
Koshi,KUMAMOTO	2.28	0.723	9.12	0.10 ± 0.013	0.14 ± 0.018	0.0000 ± 0.0037	0.00000 ± 0.00040
Jun.2007							
Niigata,NIIGATA	1.65	1.49	4.90	0.033 ± 0.0080	0.022 ± 0.0053	0.10 ± 0.010	0.021 ± 0.0020
Jul.2007							
Oda,SHIMANE	1.02	0.924	3.36	0.41 ± 0.024	0.45 ± 0.026	0.14 ± 0.011	0.041 ± 0.0033
Aug.2007							
Eniwa,HOKKAIDO	1.47	0.785	5.19	0.13 ± 0.014	0.17 ± 0.018	0.0097 ± 0.0050	0.0019 ± 0.00095
Gosyogawara,AOMORI	0.598	0.376	2.05	0.052 ± 0.010	0.14 ± 0.027	0.0027 ± 0.0037	0.0013 ± 0.0018
Oct.2007							
Oirase-machi,AOMORI	0.476	0.422	1.46	0.031 ± 0.0088	0.074 ± 0.021	0.0000 ± 0.0032	0.0000 ± 0.0022
Akita,AKITA	0.592	0.362	1.97	0.068 ± 0.013	0.19 ± 0.037	0.010 ± 0.0047	0.0051 ± 0.0024
Chiba,CHIBA	1.78	0.538	6.75	0.0074 ± 0.0069	0.014 ± 0.013	0.0053 ± 0.0041	0.00078 ± 0.00061
Matsuyama,EHIME	1.50	0.557	5.00	0.062 ± 0.011	0.11 ± 0.019	0.042 ± 0.0070	0.0083 ± 0.0014
Nov.2007							
Iwate-machi,IWATE	0.597	0.434	1.97	0.072 ± 0.012	0.17 ± 0.027	0.0076 ± 0.0043	0.0039 ± 0.0022
Fukushima,FUKUSHIMA	2.21	0.953	7.09	0.098 ± 0.013	0.10 ± 0.014	0.0063 ± 0.0045	0.00088 ± 0.00064
Utsunomiya,TOCHIGI	0.923	0.960	3.05	0.33 ± 0.021	0.35 ± 0.022	0.031 ± 0.0062	0.010 ± 0.0020
Toyama,TOYAMA	1.72	0.984	6.54	0.15 ± 0.014	0.16 ± 0.015	0.0097 ± 0.0045	0.0015 ± 0.00069
Awara,FUKUI	2.20	0.627	5.26	0.027 ± 0.0092	0.043 ± 0.015	0.010 ± 0.0045	0.0020 ± 0.00085
Saku,NAGANO	1.87	0.404	7.27	0.0091 ± 0.0074	0.023 ± 0.018	0.0025 ± 0.0039	0.00034 ± 0.00053
Kakamigahara,GIFU	1.71	0.670	7.99	0.017 ± 0.0069	0.025 ± 0.010	0.0000 ± 0.0038	0.00000 ± 0.00048
Gotenba,SHIZUOKA	2.18	0.713	8.09	0.050 ± 0.010	0.070 ± 0.014	0.049 ± 0.0075	0.0060 ± 0.00092
Yokkaichi,MIE	1.50	0.789	5.28	0.021 ± 0.0084	0.026 ± 0.011	0.0000 ± 0.0035	0.00000 ± 0.00066
Kasai,HYOGO	2.00	0.544	7.34	0.098 ± 0.014	0.18 ± 0.025	0.0012 ± 0.0040	0.00017 ± 0.00054
Yurihama-machi,TOTTORI	1.79	0.446	7.66	0.016 ± 0.0074	0.036 ± 0.017	0.0042 ± 0.0042	0.00055 ± 0.00055

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
Takamatsu,KAGAWA	1.66	1.10	5.36	0.013 ± 0.0080	0.012 ± 0.0072	0.0073 ± 0.0042	0.0014 ± 0.00078
Shime-machi,FUKUOKA	2.13	0.758	8.48	0.016 ± 0.010	0.021 ± 0.013	0.0045 ± 0.0038	0.00054 ± 0.00045
Saga,SAGA	1.91	0.779	6.38	0.021 ± 0.0077	0.027 ± 0.0099	0.011 ± 0.0049	0.0017 ± 0.00077
Usa,OITA	1.75	0.369	7.19	0.011 ± 0.0090	0.030 ± 0.024	0.0061 ± 0.0039	0.00085 ± 0.00055
Dec.2007							
Mito,IBARAKI	2.22	0.930	8.21	0.048 ± 0.0091	0.052 ± 0.0098	0.0085 ± 0.0052	0.0010 ± 0.00063
Maebashi,GUNMA	2.15	0.763	7.18	0.018 ± 0.0074	0.024 ± 0.0097	0.0056 ± 0.0042	0.00078 ± 0.00059
Hokuto,YAMANASHI	1.59	0.385	6.01	0.10 ± 0.013	0.27 ± 0.034	0.0021 ± 0.0036	0.00034 ± 0.00061
Uda,NARA	1.64	0.336	6.79	0.020 ± 0.0077	0.059 ± 0.023	0.0029 ± 0.0037	0.00042 ± 0.00055
Hiroshima,HIROSHIMA	1.84	0.670	7.25	0.029 ± 0.0081	0.044 ± 0.012	0.0000 ± 0.0040	0.00000 ± 0.00055
Shimanto,KOCHI	1.73	0.493	6.82	0.082 ± 0.013	0.17 ± 0.026	0.011 ± 0.0046	0.0015 ± 0.00068
Kagoshima,KAGOSHIMA	1.81	0.597	4.87	0.022 ± 0.0072	0.036 ± 0.012	0.064 ± 0.0082	0.013 ± 0.0017
Jan.2008							
Yokosuka,KANAGAWA	1.89	0.425	7.56	0.028 ± 0.0087	0.067 ± 0.020	0.015 ± 0.0045	0.0019 ± 0.00060
Azuchi-machi,SHIGA	1.50	0.528	5.73	0.035 ± 0.0084	0.066 ± 0.016	0.0067 ± 0.0046	0.0012 ± 0.00081
Kumatori-machi,OSAKA	0.670	0.407	2.45	0.032 ± 0.0082	0.079 ± 0.020	0.018 ± 0.0050	0.0073 ± 0.0020
Shingu,WAKAYAMA	0.558	0.200	1.94	0.0051 ± 0.0069	0.026 ± 0.035	0.027 ± 0.0054	0.014 ± 0.0028
Nagato,YAMAGUCHI	1.88	0.609	7.46	0.040 ± 0.0085	0.066 ± 0.014	0.0008 ± 0.0039	0.00011 ± 0.00053
Ishii-machi,TOKUSHIMA	1.59	0.692	4.87	0.026 ± 0.0079	0.037 ± 0.011	0.012 ± 0.0049	0.0024 ± 0.0010
Sasebo,NAGASAKI	1.65	0.563	4.95	0.050 ± 0.0094	0.089 ± 0.017	0.039 ± 0.0068	0.0079 ± 0.0014
Mar.2008							
Takanabe-machi,MIYAZAKI	1.99	0.486	7.62	0.098 ± 0.012	0.20 ± 0.025	0.0000 ± 0.0043	0.00000 ± 0.00056
(Root vegetables)							
Apr.2007							
Uruma,OKINAWA	0.652	0.282	2.09	0.046 ± 0.0091	0.16 ± 0.032	0.0023 ± 0.0041	0.0011 ± 0.0020
May 2007							
Tahara,AICHI	0.469	0.352	1.66	0.027 ± 0.0093	0.076 ± 0.026	0.0069 ± 0.0040	0.0042 ± 0.0024
Jun.2007							
Koshi,KUMAMOTO	0.751	0.256	3.53	0.089 ± 0.013	0.35 ± 0.049	0.0023 ± 0.0038	0.0007 ± 0.0011
Jul.2007							
Gosyogawara,AOMORI	0.918	0.0320	3.87	0.020 ± 0.0070	0.63 ± 0.22	0.0082 ± 0.0042	0.0021 ± 0.0011
Kumatori-machi,OSAKA	0.361	0.149	1.48	0.020 ± 0.0074	0.14 ± 0.050	0.0000 ± 0.0033	0.0000 ± 0.0022
Oda,SHIMANE	0.712	0.207	3.20	0.17 ± 0.016	0.80 ± 0.077	0.012 ± 0.0050	0.0036 ± 0.0016

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
Aug.2007							
Eniwa,HOKKAIDO	0.540	0.153	1.98	0.054 ± 0.010	0.35 ± 0.067	0.0000 ± 0.0036	0.0000 ± 0.0018
Oct.2007							
Oirase-machi,AOMORI	0.585	0.203	1.86	0.019 ± 0.0073	0.095 ± 0.036	0.0000 ± 0.0038	0.0000 ± 0.0020
Morioka,IWATE	0.621	0.227	2.09	0.060 ± 0.012	0.27 ± 0.051	0.0036 ± 0.0039	0.0017 ± 0.0019
Akita,AKITA	0.542	0.244	1.79	0.071 ± 0.012	0.29 ± 0.050	0.0004 ± 0.0038	0.0002 ± 0.0021
Utsunomiya,TOCHIGI	0.575	0.225	2.31	0.19 ± 0.017	0.86 ± 0.076	0.0089 ± 0.0046	0.0038 ± 0.0020
Chiba,CHIBA	1.18	0.232	2.41	0.11 ± 0.014	0.48 ± 0.061	0.0056 ± 0.0043	0.0023 ± 0.0018
Nov.2007							
Fukushima,FUKUSHIMA	0.524	0.225	1.90	0.093 ± 0.013	0.42 ± 0.058	0.0000 ± 0.0032	0.0000 ± 0.0017
Niigata,NIIGATA	0.541	0.241	2.15	0.011 ± 0.0065	0.046 ± 0.027	0.0032 ± 0.0038	0.0015 ± 0.0018
Imizu,TOYAMA	0.525	0.235	2.04	0.018 ± 0.0074	0.076 ± 0.031	0.0000 ± 0.0032	0.0000 ± 0.0016
Fukui,FUKUI	0.598	0.187	2.57	0.048 ± 0.010	0.26 ± 0.056	0.0020 ± 0.0035	0.0008 ± 0.0014
Saku,NAGANO	0.504	0.223	1.92	0.0023 ± 0.0061	0.010 ± 0.027	0.0000 ± 0.0034	0.0000 ± 0.0018
Kakamigahara,GIFU	0.699	0.215	2.72	0.066 ± 0.011	0.30 ± 0.051	0.0055 ± 0.0043	0.0020 ± 0.0016
Gotenba,SHIZUOKA	0.489	0.199	2.05	0.028 ± 0.0080	0.14 ± 0.040	0.046 ± 0.0070	0.022 ± 0.0034
Hamamatsu,SHIZUOKA	0.611	0.179	2.68	0.023 ± 0.0076	0.13 ± 0.043	0.0071 ± 0.0042	0.0027 ± 0.0016
Takashima,SHIGA	0.525	0.134	1.95	0.092 ± 0.014	0.69 ± 0.10	0.0068 ± 0.0044	0.0035 ± 0.0022
Kasai,HYOGO	0.638	0.154	2.40	0.040 ± 0.0096	0.26 ± 0.062	0.0004 ± 0.0038	0.0002 ± 0.0016
Tottori,TOTTORI	0.617	0.247	2.77	0.11 ± 0.014	0.46 ± 0.056	0.0000 ± 0.0031	0.0000 ± 0.0011
Hiroshima,HIROSHIMA	0.601	0.260	2.46	0.065 ± 0.011	0.25 ± 0.042	0.0000 ± 0.0037	0.0000 ± 0.0015
Takamatsu,KAGAWA	0.442	0.207	1.53	0.0000 ± 0.0054	0.000 ± 0.026	0.0040 ± 0.0038	0.0026 ± 0.0025
Shime-machi,FUKUOKA	0.674	0.233	2.80	0.018 ± 0.0093	0.076 ± 0.040	0.0000 ± 0.0032	0.0000 ± 0.0011
Saga,SAGA	0.624	0.173	2.29	0.058 ± 0.010	0.34 ± 0.060	0.0028 ± 0.0040	0.0012 ± 0.0017
Usa,OITA	0.715	0.199	2.35	0.049 ± 0.011	0.25 ± 0.055	0.0031 ± 0.0038	0.0013 ± 0.0016
Dec.2007							
Mito,IBARAKI	0.643	0.376	2.26	0.12 ± 0.014	0.31 ± 0.037	0.0000 ± 0.0036	0.0000 ± 0.0016
Maebashi,GUNMA	0.600	0.190	2.18	0.043 ± 0.010	0.23 ± 0.053	0.0052 ± 0.0039	0.0024 ± 0.0018
Hokuto,YAMANASHI	0.620	0.384	2.33	0.18 ± 0.018	0.47 ± 0.048	0.0037 ± 0.0038	0.0016 ± 0.0017
Meiwa-machi,MIE	0.673	0.162	2.55	0.056 ± 0.011	0.34 ± 0.068	0.0067 ± 0.0040	0.0026 ± 0.0016
Uda,NARA	0.576	0.154	2.11	0.010 ± 0.0067	0.066 ± 0.043	0.0012 ± 0.0034	0.0006 ± 0.0016
Shimanto,KOCHI	0.612	0.211	1.91	0.062 ± 0.011	0.29 ± 0.054	0.0015 ± 0.0035	0.0008 ± 0.0019
Ibusuki,KAGOSHIMA	0.639	0.219	2.63	0.024 ± 0.0075	0.11 ± 0.034	0.0028 ± 0.0036	0.0010 ± 0.0014
Jan.2008							
Yokosuka,KANAGAWA	0.463	0.194	1.94	0.043 ± 0.0098	0.22 ± 0.051	0.0047 ± 0.0040	0.0024 ± 0.0020

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
Shingu,WAKAYAMA	0.569	0.181	1.90	0.0000 ± 0.0058	0.000 ± 0.032	0.0031 ± 0.0032	0.0016 ± 0.0017
Nagato,YAMAGUCHI	0.566	0.185	1.90	0.054 ± 0.010	0.29 ± 0.054	0.011 ± 0.0044	0.0060 ± 0.0023
Ishii-machi,TOKUSHIMA	0.599	0.146	1.74	0.017 ± 0.0073	0.12 ± 0.050	0.0000 ± 0.0032	0.0000 ± 0.0019
Sasebo,NAGASAKI	0.606	0.399	1.85	0.054 ± 0.011	0.13 ± 0.027	0.0000 ± 0.0033	0.0000 ± 0.0018
Takanabe-machi,MIYAZAKI	0.726	0.261	2.75	0.10 ± 0.013	0.40 ± 0.049	0.0004 ± 0.0035	0.0001 ± 0.0013

(11)-2

Strontium-90 and Cesium-137 in Vegetables(consuming districts)

(from Apr.2007 to Mar.2008)

Table (11)-2 : Strontium-90 and Cesium-137 in Vegetables(consuming districts)

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
(Leafy vegetables)							
Jul.2007							
Rifu-machi,MIYAGI	1.92	1.17	4.44	0.087 ± 0.012	0.075 ± 0.010	0.010 ± 0.0047	0.0023 ± 0.0011
Aug.2007							
Saitama,SAITAMA	1.80	0.445	8.30	0.013 ± 0.0061	0.030 ± 0.014	0.011 ± 0.0050	0.0013 ± 0.00060
Oct.2007							
Yamagata,YAMAGATA	1.83	0.842	6.94	0.024 ± 0.0088	0.029 ± 0.010	0.0061 ± 0.0044	0.00088 ± 0.00064
Kanazawa,ISHIKAWA	2.14	0.625	7.40	0.041 ± 0.0086	0.065 ± 0.014	0.022 ± 0.0058	0.0029 ± 0.00078
Kyoto,KYOTO	1.81	0.615	6.03	0.0050 ± 0.0063	0.008 ± 0.010	0.0000 ± 0.0029	0.00000 ± 0.00048
Matsuyama,EHIME	2.16	0.564	10.4	0.13 ± 0.015	0.22 ± 0.026	0.044 ± 0.0072	0.0042 ± 0.00070
Nov.2007							
Shinjuku,TOKYO	2.16	0.678	8.62	0.014 ± 0.0072	0.021 ± 0.011	0.0050 ± 0.0037	0.00058 ± 0.00043
Osaka,OSAKA	1.58	0.357	5.23	0.010 ± 0.0077	0.029 ± 0.021	0.0065 ± 0.0041	0.0012 ± 0.00079
Okayama,OKAYAMA	1.98	0.685	7.50	0.012 ± 0.0075	0.018 ± 0.011	0.0012 ± 0.0035	0.00016 ± 0.00047
(Root vegetables)							
Aug.2007							
Saitama,SAITAMA	0.610	0.220	2.33	0.17 ± 0.016	0.76 ± 0.072	0.0039 ± 0.0043	0.0017 ± 0.0018
Sep.2007							
Rifu-machi,MIYAGI	0.713	0.177	3.18	0.035 ± 0.0091	0.20 ± 0.051	0.0000 ± 0.0036	0.0000 ± 0.0011
Oct.2007							
Yamagata,YAMAGATA	0.498	0.283	1.67	0.19 ± 0.019	0.68 ± 0.066	0.037 ± 0.0064	0.022 ± 0.0038
Kanazawa,ISHIKAWA	0.497	0.211	1.85	0.0000 ± 0.0047	0.000 ± 0.022	0.044 ± 0.0070	0.024 ± 0.0038
Kyoto,KYOTO	0.695	0.168	2.15	0.018 ± 0.0077	0.11 ± 0.046	0.029 ± 0.0060	0.014 ± 0.0028
Nov.2007							
Shinjuku,TOKYO	0.363	0.246	1.25	0.053 ± 0.010	0.21 ± 0.042	0.0031 ± 0.0033	0.0025 ± 0.0026
Osaka,OSAKA	0.503	0.214	1.79	0.0058 ± 0.0073	0.027 ± 0.034	0.0000 ± 0.0034	0.0000 ± 0.0019
Okayama,OKAYAMA	0.510	0.237	2.01	0.072 ± 0.012	0.30 ± 0.049	0.0000 ± 0.0034	0.0000 ± 0.0017

(12) Strontium-90 and Cesium-137 in Tea (Japanese tea)
(from Apr.2007 to Mar.2008)
Table (12) : Strontium-90 and Cesium-137 in Tea (Japanese tea)

Location	Ash (%)	Ca (g/kg)	K (g/kg)	Sr-90 (Bq/kg)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg)	Cs-137 (Bq/g K)
Apr.2007							
Kawaminami-machi,MIYAZAKI	5.19	2.37	17.9	0.26 ± 0.039	0.11 ± 0.016	0.83 ± 0.051	0.046 ± 0.0028
May 2007							
Iruma,SAITAMA	5.15	2.49	18.7	0.21 ± 0.036	0.085 ± 0.015	0.17 ± 0.026	0.0090 ± 0.0014
Tokorozawa,SAITAMA	5.24	2.48	20.5	0.18 ± 0.034	0.071 ± 0.014	0.26 ± 0.031	0.013 ± 0.0015
Shirakawa-machi,GIFU	5.19	2.47	17.9	0.14 ± 0.029	0.056 ± 0.012	0.061 ± 0.019	0.0034 ± 0.0010
Ikeda-machi,GIFU	5.36	2.88	18.3	0.38 ± 0.044	0.13 ± 0.015	0.082 ± 0.021	0.0045 ± 0.0011
Iwata,SHIZUOKA*	1.23	0.480	4.22	0.020 ± 0.0061	0.041 ± 0.013	0.0094 ± 0.0044	0.0022 ± 0.0010
Izu,SHIZUOKA*	1.40	0.764	4.91	0.20 ± 0.016	0.26 ± 0.021	0.050 ± 0.0075	0.010 ± 0.0015
Kameyama,MIE	5.52	3.71	19.5	0.44 ± 0.049	0.12 ± 0.013	0.027 ± 0.019	0.0014 ± 0.00095
Odai-machi,MIE	5.38	2.22	18.7	0.21 ± 0.035	0.097 ± 0.016	0.14 ± 0.026	0.0073 ± 0.0014
Uji,KYOTO	5.98	2.39	18.7	0.41 ± 0.050	0.17 ± 0.021	0.045 ± 0.021	0.0024 ± 0.0011
Wazuka-machi,KYOTO	5.71	2.22	20.7	0.30 ± 0.044	0.14 ± 0.020	0.068 ± 0.022	0.0033 ± 0.0010
Nara,NARA	4.62	2.75	16.1	0.24 ± 0.035	0.089 ± 0.013	0.31 ± 0.031	0.019 ± 0.0019
Mifune-machi,KUMAMOTO	5.55	3.72	18.5	0.20 ± 0.035	0.054 ± 0.0095	0.020 ± 0.015	0.0011 ± 0.00083
Asagiri-machi,KUMAMOTO	5.34	3.07	19.1	0.18 ± 0.034	0.059 ± 0.011	0.27 ± 0.031	0.014 ± 0.0016
Miyakonojo,MIYAZAKI	5.41	2.08	18.4	0.071 ± 0.026	0.034 ± 0.013	0.58 ± 0.044	0.031 ± 0.0024
Chiran-machi,KAGOSHIMA	5.67	2.68	19.4	0.11 ± 0.029	0.042 ± 0.011	1.0 ± 0.057	0.051 ± 0.0029
Jun.2007							
Nara,NARA	5.81	2.65	20.3	0.25 ± 0.041	0.096 ± 0.015	0.019 ± 0.019	0.00095 ± 0.00091
Nachikatsuura-machi,WAKAYAM	5.51	2.53	20.7	0.71 ± 0.058	0.28 ± 0.023	0.39 ± 0.037	0.019 ± 0.0018
Satsuma-machi,KAGOSHIMA	5.73	2.55	22.3	0.28 ± 0.043	0.11 ± 0.017	0.65 ± 0.047	0.029 ± 0.0021

* g/kg wet : Ca,K
Bq/kg wet : Sr-90,Cs-137

(13) Strontium-90 and Cesium-137 in Sea fish
(from Apr.2007 to Mar.2008)
Table (13) : Strontium-90 and Cesium-137 in Sea fish

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
(Ammodytes personatus)							
Apr.2007							
Kobe,HYOGO	2.40	2.98	3.67	0.0030 ± 0.0053	0.0010 ± 0.0018	0.038 ± 0.0067	0.010 ± 0.0018
(Branchiostegus sp.)							
Nov.2007							
Nagasaki,NAGASAKI	1.18	0.492	3.36	0.0000 ± 0.0043	0.0000 ± 0.0088	0.071 ± 0.0080	0.021 ± 0.0024
(Decapterus muroadsi)							
Oct.2007							
Hachijo-machi,TOKYO	1.60	1.78	3.65	0.0000 ± 0.0049	0.0000 ± 0.0028	0.071 ± 0.0088	0.019 ± 0.0024
(Gadus macrocephalus)							
Jan.2008							
Kushiro,HOKKAIDO	1.49	0.508	3.93	0.0038 ± 0.0060	0.008 ± 0.012	0.22 ± 0.013	0.055 ± 0.0034
(Hexagrammos otakii)							
Sep.2007							
Soma,FUKUSHIMA	1.26	0.462	4.04	0.0067 ± 0.0052	0.014 ± 0.011	0.11 ± 0.010	0.027 ± 0.0025
(Katsuwonus pelamis)							
May 2007							
Kuroshio-machi,KOCHI	1.36	0.0704	3.94	0.0000 ± 0.0052	0.000 ± 0.074	0.21 ± 0.013	0.053 ± 0.0034
(Mugil cephalus cephalus)							
Sep.2007							
Saga,SAGA	1.38	0.574	4.26	0.0000 ± 0.0050	0.0000 ± 0.0087	0.046 ± 0.0075	0.011 ± 0.0018
Nov.2007							
Setouchi,OKAYAMA	1.27	0.216	3.87	0.0022 ± 0.0053	0.010 ± 0.024	0.051 ± 0.0074	0.013 ± 0.0019
(Oncorhynchus keta)							
Sep.2007							
Urakawa-machi,HOKKAIDO	1.36	0.609	3.88	0.0000 ± 0.0050	0.0000 ± 0.0082	0.060 ± 0.0081	0.016 ± 0.0021
(Pleuronectidae)							
Jul.2007							
Rifu-machi,MIYAGI	2.97	6.83	2.94	0.0070 ± 0.0053	0.0010 ± 0.00078	0.053 ± 0.0083	0.018 ± 0.0028

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
Oct.2007							
Hiranai-machi,AOMORI	1.37	0.599	3.67	0.0061 ± 0.0051	0.010 ± 0.0085	0.053 ± 0.0075	0.014 ± 0.0020
Nov.2007							
Sado,NIIGATA	1.28	0.525	3.15	0.010 ± 0.0060	0.020 ± 0.011	0.068 ± 0.0082	0.022 ± 0.0026
Fukui,FUKUI	1.14	0.521	3.24	0.0093 ± 0.0060	0.018 ± 0.012	0.083 ± 0.0088	0.026 ± 0.0027
Dec.2007							
Takamatsu,KAGAWA	2.98	6.88	3.07	0.0070 ± 0.0054	0.0010 ± 0.00078	0.056 ± 0.0078	0.018 ± 0.0025
Feb.2008							
Otake,HIROSHIMA	3.38	7.71	3.23	0.012 ± 0.0058	0.0015 ± 0.00075	0.040 ± 0.0066	0.012 ± 0.0021
(Pterocaesio diagramma)							
Nov.2007							
Uruma,OKINAWA	4.87	13.4	3.98	0.0053 ± 0.0068	0.00040 ± 0.00051	0.098 ± 0.010	0.025 ± 0.0026
(Sardinops sp.)							
Aug.2007							
Yamagata,YAMAGATA	2.60	5.90	2.28	0.0000 ± 0.0053	0.00000 ± 0.00091	0.043 ± 0.0075	0.019 ± 0.0033
Nov.2007							
Nagano,NAGANO	3.14	5.68	2.59	0.0000 ± 0.0054	0.00000 ± 0.00096	0.12 ± 0.011	0.045 ± 0.0042
(Scomber australasicus)							
Mar.2008							
Minamiboso,CHIBA	1.55	0.253	4.48	0.0000 ± 0.0047	0.000 ± 0.019	0.095 ± 0.0094	0.021 ± 0.0021
(Scomber sp.)							
Oct.2007							
Iyonada,EHIME	1.14	0.275	2.75	0.0039 ± 0.0061	0.014 ± 0.022	0.068 ± 0.0082	0.025 ± 0.0030
Nov.2007							
Kyoto,KYOTO	1.56	0.150	2.76	0.0048 ± 0.0056	0.032 ± 0.037	0.10 ± 0.010	0.037 ± 0.0035
Osaka,OSAKA	1.32	0.189	2.23	0.0000 ± 0.0076	0.000 ± 0.040	0.063 ± 0.0079	0.028 ± 0.0036
Jan.2008							
Sakaiminato,TOTTORI	1.28	0.288	3.53	0.0000 ± 0.0052	0.000 ± 0.018	0.094 ± 0.0091	0.026 ± 0.0026
(Sebastes inermis)							
Mar.2008							
Yamaguchi-bay,YAMAGUCHI	4.76	12.4	2.83	0.013 ± 0.0057	0.0011 ± 0.00046	0.092 ± 0.0099	0.032 ± 0.0035
(Sebastiscus marmoratus)							
May 2007							
Hamada,SHIMANE	6.33	20.0	2.11	0.022 ± 0.0087	0.0011 ± 0.00044	0.064 ± 0.0099	0.030 ± 0.0047

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
(Seriola quinqueradiata)							
Oct.2007							
Kaga,ISHIKAWA	1.70	0.457	4.47	0.0069 ± 0.0066	0.015 ± 0.014	0.10 ± 0.010	0.023 ± 0.0023
(Sillago sp.)							
Jun.2007							
Minamichita-machi,AICHI	3.71	8.50	3.01	0.020 ± 0.0070	0.0023 ± 0.00082	0.071 ± 0.0087	0.024 ± 0.0029
(Sparidae)							
Apr.2007							
Kihoku-machi,MIE	1.67	0.286	4.99	0.0000 ± 0.0056	0.000 ± 0.020	0.14 ± 0.011	0.028 ± 0.0022
Jul.2007							
Fukuoka,FUKUOKA	1.36	0.358	4.34	0.0028 ± 0.0064	0.008 ± 0.018	0.082 ± 0.0093	0.019 ± 0.0022
(Spratelloides gracilis)							
Nov.2007							
Akune,KAGOSHIMA	3.13	6.23	3.60	0.012 ± 0.0067	0.0020 ± 0.0011	0.10 ± 0.010	0.029 ± 0.0027
(Trachurus japonicus)							
Dec.2007							
Odawara,KANAGAWA	1.56	0.320	4.66	0.013 ± 0.0068	0.041 ± 0.021	0.13 ± 0.011	0.028 ± 0.0023
(Trachurus sp.)							
Apr.2007							
Nachikatsuura-machi,WAKAYAM	1.44	0.592	4.00	0.0000 ± 0.0047	0.0000 ± 0.0080	0.18 ± 0.010	0.044 ± 0.0024
Nov.2007							
Shizuoka,SHIZUOKA	3.51	8.49	3.43	0.0045 ± 0.0054	0.00053 ± 0.00064	0.085 ± 0.0093	0.025 ± 0.0027

(14) Strontium-90 and Cesium-137 in Freshwater fish
(from Apr.2007 to Mar.2008)
Table (14) : Strontium-90 and Cesium-137 in Freshwater fish

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
(Carassius sp.)							
Jul.2007							
Ishikari,HOKKAIDO	4.45	12.9	2.50	0.32 ± 0.021	0.025 ± 0.0016	0.032 ± 0.0069	0.013 ± 0.0028
Nov.2007							
Niigata,NIIGATA	1.24	0.481	3.63	0.035 ± 0.0086	0.073 ± 0.018	0.094 ± 0.0092	0.026 ± 0.0025
Dec.2007							
Wakasa-machi,FUKUI	1.18	0.802	3.14	0.019 ± 0.0070	0.024 ± 0.0087	0.11 ± 0.010	0.035 ± 0.0032
Uji,KYOTO	4.28	11.9	2.32	0.56 ± 0.028	0.047 ± 0.0023	0.018 ± 0.0056	0.0076 ± 0.0024
(Cyprinus carpio)							
Oct.2007							
Syobara,HIROSHIMA	1.06	0.514	2.96	0.047 ± 0.0092	0.092 ± 0.018	0.063 ± 0.0081	0.021 ± 0.0027
(Hypomesus nipponensis)							
Nov.2007							
Suwa-lake,NAGANO	2.09	4.97	2.04	0.045 ± 0.010	0.0091 ± 0.0020	0.073 ± 0.0086	0.036 ± 0.0042
(Ictalurus punctatus)							
Jul.2007							
Kasumigaura-lake,IBARAKI	1.11	0.0817	3.65	0.014 ± 0.0065	0.17 ± 0.079	0.76 ± 0.025	0.21 ± 0.007
(Salmo gairdneri)							
Oct.2007							
Kumagaya,SAITAMA	1.20	0.160	4.00	0.0000 ± 0.0068	0.000 ± 0.043	0.13 ± 0.011	0.034 ± 0.0027
(Salvelinus leucomaenis)							
Sep.2007							
Fukushima,FUKUSHIMA	1.24	0.539	3.36	0.0000 ± 0.0044	0.0000 ± 0.0082	0.092 ± 0.0093	0.027 ± 0.0028

(15) Strontium-90 and Cesium-137 in Shellfish
(from Apr.2007 to Mar.2008)
Table (15) : Strontium-90 and Cesium-137 in Shellfish

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
(Crassostrea gigas)							
Feb.2008							
Hatsukaichi,HIROSHIMA	1.49	0.501	2.34	0.0099 ± 0.0050	0.020 ± 0.010	0.013 ± 0.0040	0.0056 ± 0.0017
(Mytilus edulis)							
May 2007							
Fukaura-machi,AOMORI	2.77	0.875	0.931	0.0000 ± 0.0041	0.0000 ± 0.0047	0.012 ± 0.0040	0.013 ± 0.0043
(Patinopecten yessoensis)							
Aug.2007							
Sarufutsu-mura,HOKKAIDO	1.64	0.172	2.72	0.0043 ± 0.0069	0.025 ± 0.040	0.031 ± 0.0066	0.011 ± 0.0024
Oct.2007							
Hiranai-machi,AOMORI	2.30	0.423	2.55	0.0080 ± 0.0057	0.019 ± 0.013	0.011 ± 0.0050	0.0042 ± 0.0019
Jan.2008							
Yamada-machi,IWATE	1.83	0.287	2.45	0.010 ± 0.0057	0.036 ± 0.020	0.026 ± 0.0063	0.010 ± 0.0026
(Tapes philippinarum)							
Apr.2007							
Ise,MIE	2.82	0.821	1.46	0.0000 ± 0.0051	0.0000 ± 0.0062	0.013 ± 0.0049	0.0086 ± 0.0034
May 2007							
Isahaya,NAGASAKI	2.66	0.660	1.77	0.012 ± 0.0067	0.018 ± 0.010	0.012 ± 0.0050	0.0070 ± 0.0029
Jun.2007							
Minamichita-machi,AICHI	2.09	0.713	3.32	0.0000 ± 0.0046	0.0000 ± 0.0064	0.022 ± 0.0044	0.0065 ± 0.0013
(Turbo(Batillus) cornutus)							
Apr.2007							
Sado,NIIGATA	3.73	1.54	2.74	0.012 ± 0.0065	0.0077 ± 0.0042	0.022 ± 0.0046	0.0081 ± 0.0017
Jul.2007							
Sakata,YAMAGATA	2.51	0.628	2.09	0.0056 ± 0.0064	0.009 ± 0.010	0.012 ± 0.0039	0.0055 ± 0.0019
Kaga,ISHIKAWA	3.33	0.789	2.57	0.0000 ± 0.0066	0.0000 ± 0.0083	0.034 ± 0.0068	0.013 ± 0.0027

(16) Strontium-90 and Cesium-137 in Seaweeds
(from Apr.2007 to Mar.2008)
Table (16) : Strontium-90 and Cesium-137 in Seaweeds

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
(Laminaria japonica)							
Jun.2007							
Yoichi-bay,HOKKAIDO	3.01	1.23	9.66	0.014 ± 0.0065	0.011 ± 0.0053	0.048 ± 0.0077	0.0050 ± 0.00079
Aug.2007							
Hirono-machi,IWATE	4.78	1.26	13.5	0.0012 ± 0.0050	0.0010 ± 0.0039	0.057 ± 0.0081	0.0042 ± 0.00060
(Psuedocardium sachalinense)							
Sep.2007							
Tomakomai,HOKKAIDO	1.83	0.280	2.85	0.0000 ± 0.0062	0.000 ± 0.022	0.021 ± 0.0061	0.0075 ± 0.0021
(Sargassum horneri)							
Mar.2008							
Oga,AKITA	2.98	1.35	7.63	0.051 ± 0.0092	0.038 ± 0.0068	0.029 ± 0.0065	0.0038 ± 0.00086
(Undaria pinnatifida)							
Apr.2007							
Sado,NIIGATA	3.25	0.910	5.23	0.016 ± 0.0068	0.017 ± 0.0075	0.0098 ± 0.0050	0.0019 ± 0.00096
Kaga,ISHIKAWA	3.24	0.742	7.00	0.014 ± 0.0068	0.019 ± 0.0091	0.014 ± 0.0048	0.0020 ± 0.00068
May 2007							
Fukaura-machi,AOMORI	2.25	0.792	6.28	0.013 ± 0.0063	0.016 ± 0.0080	0.016 ± 0.0048	0.0026 ± 0.00076
Imabetsu-machi,AOMORI	2.69	0.845	5.51	0.017 ± 0.0076	0.020 ± 0.0090	0.021 ± 0.0051	0.0038 ± 0.00092
Jun.2007							
Sakata,YAMAGATA	2.20	0.834	4.11	0.0098 ± 0.0073	0.012 ± 0.0088	0.016 ± 0.0050	0.0038 ± 0.0012
Feb.2008							
Minamichita-machi,AICHI	3.00	0.570	9.96	0.012 ± 0.0067	0.022 ± 0.012	0.028 ± 0.0054	0.0029 ± 0.00054
Toba,MIE	2.45	0.635	6.59	0.023 ± 0.0081	0.037 ± 0.013	0.012 ± 0.0042	0.0018 ± 0.00063
Hiroshima,HIROSHIMA	1.34	0.497	4.53	0.020 ± 0.0063	0.039 ± 0.013	0.014 ± 0.0054	0.0032 ± 0.0012
Shimabara,NAGASAKI	2.83	0.716	7.78	0.023 ± 0.0073	0.032 ± 0.010	0.0097 ± 0.0050	0.0013 ± 0.00065