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Radioactivity Survey Data in Japan

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Environmental and Dietary Materials

1. Sampling and retrieval

(1) Rain and dry fallout

Rain and dry fallout was collected monthly in a stainless steel tray, 5000cm² in area. 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 distilled water.

Strontium and cesium carrier solution 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 m³ 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 five minutes.

Strontium and cesium carrier solution was added to the sample. The sample solution was evaporated to dryness.

(4) Soil

Soil samples were collected from the locations in spacious, flat and undisturbed area. Soil cores were taken from two layers of different depths, 5 cm (surface soil) and 5 – 20 cm. The samples were dried at 105 – 110 °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 was 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 pebbles, shells and other foreign materials were removed. The sample was dried at 105 °C in a drying oven.

(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 an electric furnace.

(8) Rice

Polished rice was collected or purchased at a rice-producing district or in consuming area.

(9) Milk

Raw milk was collected in producing districts and commercial milk was purchased in consuming area. Milk sample in a stainless or porcelain dish was evaporated to dryness 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 reduced to ashes in a stainless or porcelain dishes at 450 °C 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 samples were 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	
1. For domestic program		
(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)	5 kg (polished rice)
2. Consuming districts	Yearly (harvesting season)	5 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, strontium and cesium carrier solution 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, strontium and cesium carrier solution 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 alkalized 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 alkalized 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 on a planchette with paste.

(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. Chloroplatinic 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 mylar and mounted on a planchette.

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.

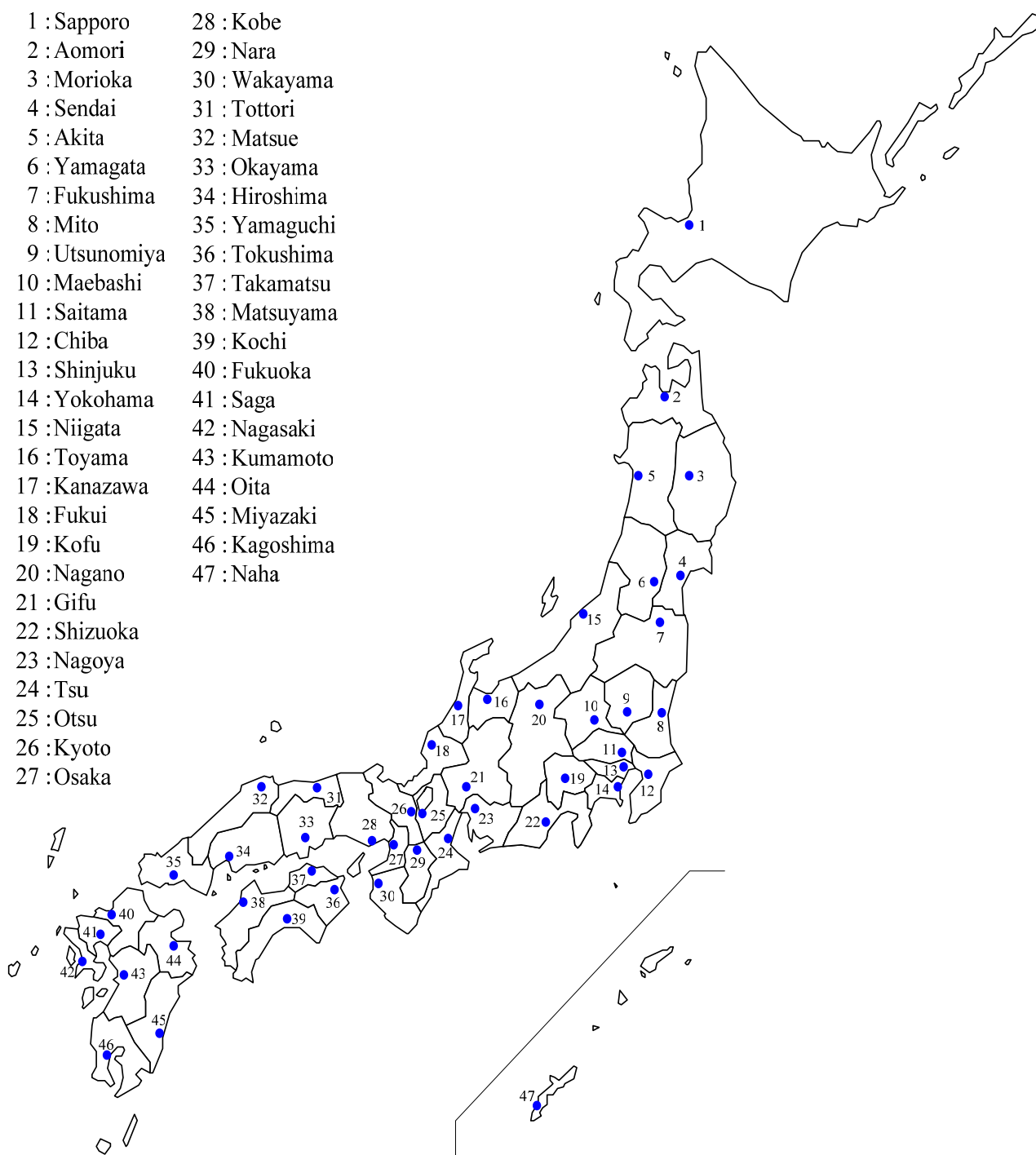


Figure 1. Sampling Locations in Japan

6. Results

(1) Strontium-90 and Cesium-137 in Rain and dry fallout (from Apr. 2004 to Mar. 2005)

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. 2004								
Sapporo, HOKKAIDO	29	22.5	0.000	±	0.012	0.063	±	0.011
Aomori, AOMORI	35	119.0	0.014	±	0.012	0.060	±	0.011
Morioka, IWATE	35	154.0	0.069	±	0.014	0.032	±	0.010
Onagawa-machi, MIYAGI	27	117.5	0.032	±	0.013	0.037	±	0.010
Akita, AKITA	35	182.1	0.028	±	0.014	0.052	±	0.012
Yamagata, YAMAGATA	35	100.4	0.055	±	0.016	0.046	±	0.010
Okuma-machi, FUKUSHIMA	35	104.5	0.036	±	0.014	0.024	±	0.010
Mito, IBARAKI	35	108.5	0.024	±	0.017	0.049	±	0.011
Kawachi-machi, TOCHIGI	35	125.5	0.012	±	0.013	0.052	±	0.010
Maebashi, GUNMA	29	32.5	0.043	±	0.017	0.20	±	0.017
Saitama, SAITAMA	35	72.1	0.015	±	0.0082	0.061	±	0.0099
Ichihara, CHIBA	35	86.6	0.034	±	0.012	0.046	±	0.010
Chiba, CHIBA	29	69.0	0.013	±	0.011	0.025	±	0.011
Shinjuku, TOKYO	34	54.0	0.034	±	0.014	0.020	±	0.0089
Chigasaki, KANAGAWA	30	108.9	0.016	±	0.012	0.033	±	0.010
Niigata, NIIGATA	35	133.89	0.018	±	0.014	0.047	±	0.011
Kosugi-machi, TOYAMA	29	107.9	0.000	±	0.013	0.038	±	0.0097
Kanazawa, ISHIKAWA	30	172.0	0.016	±	0.022	0.009	±	0.010
Fukui, FUKUI	29	139.3	0.070	±	0.066	0.039	±	0.045
Kofu, YAMANASHI	35	76.0	0.017	±	0.013	0.0087	±	0.0081
Nagano, NAGANO	35	60.0	0.033	±	0.011	0.025	±	0.0096
Kakamigahara, GIFU	44	266.4	0.038	±	0.015	0.033	±	0.010
Shizuoka, SHIZUOKA	29	230.0	0.032	±	0.014	0.027	±	0.0099
Nagoya, AICHI	35	110.8	0.001	±	0.010	0.016	±	0.0093
Yokkaichi, MIE	35	113.0	0.032	±	0.013	0.015	±	0.0090
Otsu, SHIGA	35	221.0	0.027	±	0.015	0.018	±	0.0094
Kyoto, KYOTO	27	112.5	0.027	±	0.015	0.031	±	0.011
Osaka, OSAKA	36	167.75	0.017	±	0.014	0.031	±	0.010
Kobe, HYOGO	30	175.6	0.044	±	0.013	0.031	±	0.010

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km ²)		Cs-137 (MBq/km ²)			
Nara, NARA	35	154.5	0.015	±	0.011	0.012	±	0.0090
Wakayama, WAKAYAMA	35	85.5	0.099	±	0.018	0.026	±	0.0094
Hawai-machi, TOTTORI	30	71.8	0.037	±	0.014	0.052	±	0.012
Okayama, OKAYAMA	35	70.2	0.000	±	0.014	0.019	±	0.0091
Hiroshima, HIROSHIMA	29	175.1	0.041	±	0.015	0.0000	±	0.0085
Yamaguchi, YAMAGUCHI	30	227.0	0.016	±	0.012	0.032	±	0.010
Ishii-machi, TOKUSHIMA	31	42.4	0.027	±	0.016	0.0000	±	0.0080
Takamatsu, KAGAWA	35	55.0	0.049	±	0.016	0.014	±	0.0092
Matsuyama, EHIME	35	124.0	0.018	±	0.013	0.021	±	0.0093
Kochi, KOCHI	29	341.4	0.053	±	0.014	0.035	±	0.011
Dazaifu, FUKUOKA	35	187.4	0.003	±	0.012	0.022	±	0.0090
Saga, SAGA	35	207.0	0.022	±	0.011	0.022	±	0.0085
Nagasaki, NAGASAKI	35	192.0	0.000	±	0.013	0.012	±	0.0092
Uto, KUMAMOTO	35	144.0	0.000	±	0.020	0.022	±	0.0099
Oita, OITA	35	92.0	0.032	±	0.014	0.026	±	0.011
Miyazaki, MIYAZAKI	35	99.0	0.000	±	0.013	0.0070	±	0.0077
Kagoshima, KAGOSHIMA	30	141.0	0.006	±	0.011	0.013	±	0.0093
Yonashiro-machi, OKINAWA	35	57.0	0.008	±	0.022	0.010	±	0.0095
May 2004								
Sapporo, HOKKAIDO	31	61.5	0.011	±	0.012	0.042	±	0.010
Aomori, AOMORI	26	90.9	0.023	±	0.014	0.021	±	0.0092
Morioka, IWATE	26	109.3	0.038	±	0.012	0.014	±	0.0089
Onagawa-machi, MIYAGI	34	164.5	0.003	±	0.011	0.0024	±	0.0085
Akita, AKITA	26	196.0	0.030	±	0.011	0.013	±	0.0089
Yamagata, YAMAGATA	26	107.2	0.018	±	0.014	0.0000	±	0.0070
Okuma-machi, FUKUSHIMA	26	143.5	0.024	±	0.013	0.0000	±	0.0081
Mito, IBARAKI	26	175.5	0.008	±	0.013	0.0093	±	0.0085
Kawachi-machi, TOCHIGI	26	186.7	0.012	±	0.011	0.015	±	0.0083
Maebashi, GUNMA	32	197.0	0.008	±	0.013	0.030	±	0.0098
Saitama, SAITAMA	26	149.6	0.021	±	0.0094	0.018	±	0.0069
Ichihara, CHIBA	26	137.7	0.004	±	0.011	0.016	±	0.0083
Chiba, CHIBA	32	156.9	0.009	±	0.012	0.032	±	0.011
Shinjuku, TOKYO	26	147.1	0.001	±	0.013	0.015	±	0.0086
Chigasaki, KANAGAWA	31	164.9	0.015	±	0.012	0.016	±	0.0096

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km ²)		Cs-137 (MBq/km ²)			
Niigata, NIIGATA	26	153.73	0.017	±	0.014	0.014	±	0.0090
Kosugi-machi, TOYAMA	32	310.2	0.013	±	0.015	0.019	±	0.0083
Kanazawa, ISHIKAWA	31	334.5	0.033	±	0.015	0.0058	±	0.010
Fukui, FUKUI	32	357.1	0.13	±	0.075	0.059	±	0.047
Kofu, YAMANASHI	26	125.5	0.004	±	0.012	0.0000	±	0.0075
Nagano, NAGANO	26	148.5	0.040	±	0.012	0.011	±	0.0084
Kakamigahara, GIFU	26	218.3	0.040	±	0.017	0.0094	±	0.0091
Shizuoka, SHIZUOKA	32	258.5	0.025	±	0.014	0.0000	±	0.0073
Nagoya, AICHI	26	229.4	0.021	±	0.012	0.010	±	0.0088
Yokkaichi, MIE	26	252.5	0.034	±	0.014	0.016	±	0.0092
Otsu, SHIGA	26	244.8	0.007	±	0.013	0.0000	±	0.0074
Kyoto, KYOTO	34	256.0	0.028	±	0.014	0.0089	±	0.0089
Osaka, OSAKA	26	238.98	0.007	±	0.013	0.0039	±	0.0088
Kobe, HYOGO	31	167.4	0.000	±	0.011	0.026	±	0.010
Nara, NARA	26	380.9	0.077	±	0.016	0.0000	±	0.0079
Wakayama, WAKAYAMA	27	220.0	0.017	±	0.014	0.015	±	0.0089
Hawai-machi, TOTTORI	31	244.3	0.027	±	0.015	0.024	±	0.011
Matsue, SHIMANE	32	302.4	0.063	±	0.012	0.63	±	0.023
Okayama, OKAYAMA	26	215.3	0.014	±	0.012	0.021	±	0.0086
Hiroshima, HIROSHIMA	32	410.3	0.026	±	0.014	0.0000	±	0.0089
Yamaguchi, YAMAGUCHI	31	360.5	0.014	±	0.012	0.022	±	0.0098
Ishii-machi, TOKUSHIMA	28	173.5	0.025	±	0.016	0.0089	±	0.0085
Takamatsu, KAGAWA	26	134.0	0.076	±	0.017	0.0000	±	0.0086
Matsuyama, EHIME	26	256.0	0.014	±	0.013	0.0056	±	0.0075
Kochi, KOCHI	32	289.1	0.040	±	0.016	0.0043	±	0.0085
Dazaifu, FUKUOKA	26	228.2	0.011	±	0.013	0.025	±	0.0091
Saga, SAGA	26	262.6	0.0010	±	0.0091	0.015	±	0.0079
Nagasaki, NAGASAKI	26	287.0	0.013	±	0.017	0.014	±	0.0083
Uto, KUMAMOTO	26	412.6	0.029	±	0.016	0.016	±	0.0092
Oita, OITA	26	141.0	0.018	±	0.016	0.0000	±	0.0093
Miyazaki, MIYAZAKI	26	272.3	0.026	±	0.016	0.0012	±	0.0073
Yonashiro-machi, OKINAWA	26	83.0	0.027	±	0.016	0.0021	±	0.0089
Jun. 2004 Sapporo, HOKKAIDO	31	64.5	0.029	±	0.014	0.043	±	0.010

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km ²)		Cs-137 (MBq/km ²)			
Aomori, AOMORI	29	41.8	0.004	±	0.012	0.0046	±	0.0079
Morioka, IWATE	30	150.2	0.0092	±	0.0098	0.0000	±	0.0083
Onagawa-machi, MIYAGI	30	114.5	0.023	±	0.013	0.0000	±	0.0070
Akita, AKITA	30	138.4	0.025	±	0.014	0.0000	±	0.0085
Yamagata, YAMAGATA	30	112.15	0.006	±	0.013	0.0083	±	0.0085
Okuma-machi, FUKUSHIMA	30	87.0	0.013	±	0.013	0.0000	±	0.0082
Mito, IBARAKI	30	64.0	0.000	±	0.011	0.0051	±	0.0086
Kawachi-machi, TOCHIGI	30	92.7	0.033	±	0.014	0.011	±	0.0078
Maebashi, GUNMA	30	74.5	0.011	±	0.013	0.016	±	0.0088
Saitama, SAITAMA	30	94.4	0.0039	±	0.0085	0.0000	±	0.0059
Ichihara, CHIBA	30	184.5	0.008	±	0.010	0.021	±	0.0086
Chiba, CHIBA	30	163.4	0.000	±	0.011	0.0000	±	0.0084
Shinjuku, TOKYO	30	106.8	0.000	±	0.011	0.011	±	0.0080
Chigasaki, KANAGAWA	31	172.3	0.035	±	0.015	0.0000	±	0.0084
Niigata, NIIGATA	30	128.62	0.009	±	0.016	0.018	±	0.0094
Kosugi-machi, TOYAMA	30	195.2	0.012	±	0.016	0.0000	±	0.0069
Kanazawa, ISHIKAWA	30	174.5	0.010	±	0.013	0.0043	±	0.0093
Fukui, FUKUI	30	187.6	0.16	±	0.068	0.000	±	0.042
Kofu, YAMANASHI	30	116.0	0.033	±	0.014	0.0041	±	0.0080
Nagano, NAGANO	30	121.0	0.009	±	0.012	0.0036	±	0.0073
Kakamigahara, GIFU	31	121.2	0.036	±	0.015	0.0000	±	0.0090
Shizuoka, SHIZUOKA	30	641.0	0.000	±	0.010	0.0000	±	0.0079
Nagoya, AICHI	30	155.0	0.013	±	0.012	0.0054	±	0.0086
Yokkaichi, MIE	30	251.0	0.014	±	0.012	0.0034	±	0.0082
Otsu, SHIGA	30	147.8	0.015	±	0.013	0.0000	±	0.0090
Kyoto, KYOTO	29	121.5	0.016	±	0.014	0.014	±	0.0092
Osaka, OSAKA	30	135.75	0.000	±	0.012	0.0000	±	0.0081
Kobe, HYOGO	30	214.2	0.023	±	0.013	0.0000	±	0.0076
Nara, NARA	30	158.1	0.038	±	0.014	0.0000	±	0.0073
Wakayama, WAKAYAMA	29	171.5	0.035	±	0.018	0.0000	±	0.0075
Hawai-machi, TOTTORI	30	146.5	0.000	±	0.011	0.0000	±	0.0076
Matsue, SHIMANE	30	75.5	0.0078	±	0.0094	0.016	±	0.0060
Okayama, OKAYAMA	30	192.2	0.009	±	0.012	0.0046	±	0.0075
Hiroshima, HIROSHIMA	30	192.4	0.033	±	0.014	0.0017	±	0.0091

Location	Duration (Days)	Precipitation (mm)		Sr-90 (MBq/km ²)			Cs-137 (MBq/km ²)		
Yamaguchi, YAMAGUCHI	30	216.0	0.002	±	0.012	0.0000	±	0.0075	
Ishii-machi, TOKUSHIMA	28	178.6	0.031	±	0.020	0.0034	±	0.0094	
Takamatsu, KAGAWA	30	164.5	0.020	±	0.013	0.0000	±	0.0076	
Matsuyama, EHIME	30	339.0	0.024	±	0.014	0.0000	±	0.0068	
Kochi, KOCHI	30	356.6	0.053	±	0.016	0.0000	±	0.0083	
Dazaifu, FUKUOKA	30	250.6	0.006	±	0.014	0.0006	±	0.0076	
Saga, SAGA	30	228.3	0.025	±	0.011	0.0000	±	0.0072	
Nagasaki, NAGASAKI	30	86.0	0.002	±	0.018	0.0000	±	0.0072	
Uto, KUMAMOTO	30	96.4	0.029	±	0.014	0.0000	±	0.0080	
Oita, OITA	30	196.5	0.000	±	0.013	0.0000	±	0.0086	
Miyazaki, MIYAZAKI	30	415.8	0.015	±	0.012	0.0035	±	0.0076	
Kagoshima, KAGOSHIMA	30	221.5	0.002	±	0.010	0.013	±	0.0089	
Yonashiro-machi, OKINAWA	30	266.5	0.000	±	0.013	0.0007	±	0.0084	
Jul. 2004									
Sapporo, HOKKAIDO	32	49.5	0.036	±	0.014	0.0047	±	0.0077	
Aomori, AOMORI	30	129.5	0.020	±	0.013	0.0000	±	0.0093	
Morioka, IWATE	32	173.6	0.019	±	0.011	0.010	±	0.0079	
Onagawa-machi, MIYAGI	29	112.5	0.007	±	0.012	0.0000	±	0.0081	
Akita, AKITA	32	116.9	0.018	±	0.011	0.020	±	0.0084	
Yamagata, YAMAGATA	32	221.75	0.043	±	0.015	0.015	±	0.0079	
Okuma-machi, FUKUSHIMA	32	112.0	0.023	±	0.012	0.0000	±	0.0083	
Mito, IBARAKI	32	94.5	0.030	±	0.015	0.0000	±	0.0077	
Kawachi-machi, TOCHIGI	32	128.9	0.011	±	0.012	0.0012	±	0.0085	
Maebashi, GUNMA	32	45.5	0.010	±	0.016	0.0041	±	0.0079	
Saitama, SAITAMA	32	43.2	0.019	±	0.0079	0.0041	±	0.0055	
Ichihara, CHIBA	32	18.5	0.020	±	0.013	0.020	±	0.0084	
Chiba, CHIBA	32	44.0	0.000	±	0.011	0.014	±	0.010	
Shinjuku, TOKYO	32	40.1	0.016	±	0.014	0.0034	±	0.0073	
Chigasaki, KANAGAWA	32	90.6	0.046	±	0.015	0.0068	±	0.0086	
Niigata, NIIGATA	32	199.23	0.020	±	0.016	0.0000	±	0.0081	
Kosugi-machi, TOYAMA	32	219.7	0.000	±	0.015	0.020	±	0.0085	
Kanazawa, ISHIKAWA	30	78.0	0.010	±	0.012	0.0000	±	0.0076	
Fukui, FUKUI	32	198.6	0.16	±	0.070	0.000	±	0.044	
Kofu, YAMANASHI	32	41.5	0.018	±	0.013	0.0000	±	0.0072	

Location	Duration (Days)	Precipitation (mm)		Sr-90 (MBq/km ²)			Cs-137 (MBq/km ²)		
Nagano, NAGANO	31	60.0	0.006	±	0.012	0.0097	±	0.0079	
Kakamigahara, GIFU	32	109.1	0.028	±	0.016	0.012	±	0.0081	
Shizuoka, SHIZUOKA	32	174.0	0.013	±	0.011	0.0087	±	0.0083	
Nagoya, AICHI	32	54.7	0.016	±	0.013	0.0000	±	0.0080	
Yokkaichi, MIE	32	57.0	0.017	±	0.013	0.0017	±	0.0075	
Otsu, SHIGA	32	101.1	0.037	±	0.012	0.0000	±	0.0073	
Kyoto, KYOTO	30	66.0	0.000	±	0.014	0.011	±	0.0092	
Osaka, OSAKA	32	48.09	0.057	±	0.017	0.0000	±	0.0081	
Kobe, HYOGO	30	36.4	0.000	±	0.011	0.0006	±	0.0084	
Nara, NARA	32	67.6	0.023	±	0.011	0.058	±	0.011	
Wakayama, WAKAYAMA	32	35.0	0.14	±	0.020	0.021	±	0.010	
Hawai-machi, TOTTORI	31	36.2	0.014	±	0.015	0.0000	±	0.0091	
Matsue, SHIMANE	29	90.3	0.015	±	0.010	0.040	±	0.0073	
Okayama, OKAYAMA	32	102.7	0.014	±	0.013	0.011	±	0.0080	
Hiroshima, HIROSHIMA	29	24.6	0.033	±	0.014	0.0000	±	0.0080	
Yamaguchi, YAMAGUCHI	31	96.5	0.040	±	0.016	0.0000	±	0.0080	
Ishii-machi, TOKUSHIMA	32	65.5	0.019	±	0.017	0.0006	±	0.0085	
Takamatsu, KAGAWA	32	99.5	0.020	±	0.013	0.0000	±	0.0074	
Matsuyama, EHIME	32	90.5	0.023	±	0.014	0.0073	±	0.0081	
Kochi, KOCHI	32	437.5	0.037	±	0.014	0.0000	±	0.0077	
Dazaifu, FUKUOKA	32	136.2	0.000	±	0.012	0.0064	±	0.0079	
Saga, SAGA	32	115.6	0.005	±	0.011	0.0000	±	0.0072	
Nagasaki, NAGASAKI	32	82.5	0.014	±	0.015	0.0024	±	0.0074	
Uto, KUMAMOTO	32	71.5	0.024	±	0.012	0.0000	±	0.0074	
Oita, OITA	32	66.5	0.000	±	0.013	0.0000	±	0.0069	
Miyazaki, MIYAZAKI	32	83.0	0.008	±	0.013	0.0071	±	0.0076	
Kagoshima, KAGOSHIMA	30	121.0	0.013	±	0.010	0.0051	±	0.0088	
Yonashiro-machi, OKINAWA	32	217.0	0.025	±	0.016	0.0094	±	0.0098	
Aug. 2004									
Sapporo, HOKKAIDO	30	108.5	0.001	±	0.012	0.0035	±	0.0076	
Aomori, AOMORI	33	113.7	0.000	±	0.011	0.010	±	0.010	
Morioka, IWATE	30	264.5	0.032	±	0.013	0.0054	±	0.0083	
Onagawa-machi, MIYAGI	33	52.0	0.000	±	0.012	0.0053	±	0.0080	
Akita, AKITA	30	208.4	0.034	±	0.014	0.0035	±	0.0079	

Location	Duration (Days)	Precipitation (mm)		Sr-90 (MBq/km ²)			Cs-137 (MBq/km ²)		
Yamagata, YAMAGATA	30	115.3	0.012	±	0.012	0.0012	±	0.0075	
Okuma-machi, FUKUSHIMA	30	65.5	0.001	±	0.011	0.0000	±	0.0079	
Mito, IBARAKI	30	83.0	0.001	±	0.011	0.0012	±	0.0082	
Kawachi-machi, TOCHIGI	30	125.0	0.017	±	0.012	0.0000	±	0.0078	
Maebashi, GUNMA	30	128.0	0.012	±	0.013	0.027	±	0.0096	
Saitama, SAITAMA	30	81.4	0.030	±	0.0090	0.011	±	0.0059	
Ichihara, CHIBA	30	94.2	0.031	±	0.014	0.014	±	0.0079	
Chiba, CHIBA	30	92.0	0.010	±	0.012	0.016	±	0.0097	
Shinjuku, TOKYO	31	122.9	0.026	±	0.014	0.0000	±	0.0082	
Chigasaki, KANAGAWA	29	108.0	0.035	±	0.015	0.0000	±	0.0072	
Niigata, NIIGATA	30	170.68	0.018	±	0.016	0.033	±	0.010	
Kosugi-machi, TOYAMA	30	70.0	0.013	±	0.015	0.054	±	0.011	
Kanazawa, ISHIKAWA	33	86.5	0.029	±	0.013	0.0000	±	0.0080	
Fukui, FUKUI	30	98.0	0.091	±	0.072	0.000	±	0.043	
Kofu, YAMANASHI	30	271.5	0.030	±	0.012	0.019	±	0.0092	
Nagano, NAGANO	31	60.0	0.011	±	0.012	0.023	±	0.0087	
Kakamigahara, GIFU	31	240.2	0.009	±	0.014	0.0000	±	0.0080	
Shizuoka, SHIZUOKA	31	233.5	0.004	±	0.011	0.0000	±	0.0073	
Nagoya, AICHI	30	104.7	0.007	±	0.012	0.0065	±	0.0085	
Yokkaichi, MIE	30	299.0	0.037	±	0.013	0.0000	±	0.0074	
Otsu, SHIGA	30	250.9	0.029	±	0.016	0.0000	±	0.0083	
Kyoto, KYOTO	33	126.5	0.001	±	0.014	0.0052	±	0.0091	
Osaka, OSAKA	30	105.33	0.018	±	0.015	0.0000	±	0.0071	
Kobe, HYOGO	32	185.6	0.025	±	0.011	0.0048	±	0.0085	
Nara, NARA	30	338.8	0.024	±	0.015	0.14	±	0.015	
Wakayama, WAKAYAMA	30	189.5	0.071	±	0.016	0.015	±	0.0089	
Hawai-machi, TOTTORI	31	150.3	0.021	±	0.016	0.0006	±	0.0091	
Okayama, OKAYAMA	30	144.0	0.012	±	0.013	0.0012	±	0.0073	
Hiroshima, HIROSHIMA	33	255.2	0.016	±	0.012	0.0000	±	0.0072	
Yamaguchi, YAMAGUCHI	31	327.5	0.014	±	0.013	0.0000	±	0.0073	
Takamatsu, KAGAWA	30	130.5	0.025	±	0.013	0.0036	±	0.0078	
Matsuyama, EHIME	30	231.0	0.020	±	0.014	0.0000	±	0.0061	
Kochi, KOCHI	30	342.7	0.027	±	0.013	0.014	±	0.0083	
Dazaifu, FUKUOKA	30	124.9	0.000	±	0.012	0.0048	±	0.0085	

Location	Duration (Days)	Precipitation (mm)		Sr-90 (MBq/km ²)		Cs-137 (MBq/km ²)		
Saga, SAGA	30	144.7	0.005	±	0.012	0.011	±	0.0090
Nagasaki, NAGASAKI	30	133.0	0.023	±	0.013	0.0058	±	0.0079
Uto, KUMAMOTO	30	121.2	0.023	±	0.012	0.0029	±	0.0081
Oita, OITA	30	440.5	0.021	±	0.013	0.0018	±	0.0090
Miyazaki, MIYAZAKI	30	542.2	0.018	±	0.013	0.0079	±	0.0090
Kagoshima, KAGOSHIMA	32	137.0	0.020	±	0.012	0.012	±	0.0089
Yonashiro-machi, OKINAWA	30	45.0	0.014	±	0.012	0.021	±	0.0098
Sep. 2004								
Sapporo, HOKKAIDO	30	110.5	0.031	±	0.012	0.0000	±	0.0084
Aomori, AOMORI	30	289.3	0.027	±	0.014	0.0000	±	0.0093
Morioka, IWATE	33	308.9	0.000	±	0.012	0.0000	±	0.0080
Onagawa-machi, MIYAGI	30	82.0	0.015	±	0.014	0.0040	±	0.0077
Akita, AKITA	30	200.3	0.027	±	0.019	0.0000	±	0.0084
Yamagata, YAMAGATA	30	87.4	0.026	±	0.030	0.018	±	0.012
Okuma-machi, FUKUSHIMA	30	125.0	0.009	±	0.012	0.018	±	0.0096
Mito, IBARAKI	30	83.5	0.015	±	0.013	0.0095	±	0.0088
Kawachi-machi, TOCHIGI	30	215.5	0.007	±	0.012	0.0000	±	0.0075
Maebashi, GUNMA	30	199.0	0.000	±	0.013	0.0069	±	0.0087
Saitama, SAITAMA	30	143.5	0.022	±	0.0087	0.0017	±	0.0054
Ichihara, CHIBA	30	233.7	0.016	±	0.013	0.021	±	0.0094
Chiba, CHIBA	30	307.3	0.0000	±	0.0086	0.0055	±	0.0075
Shinjuku, TOKYO	29	232.9	0.027	±	0.014	0.0000	±	0.0080
Chigasaki, KANAGAWA	31	145.6	0.003	±	0.011	0.0029	±	0.0073
Niigata, NIIGATA	30	129.26	0.023	±	0.015	0.0047	±	0.0080
Kosugi-machi, TOYAMA	30	233.4	0.000	±	0.016	0.013	±	0.0080
Kanazawa, ISHIKAWA	30	262.5	0.040	±	0.015	0.0024	±	0.0089
Fukui, FUKUI	34	424.9	0.13	±	0.085	0.000	±	0.040
Kofu, YAMANASHI	30	155.0	0.013	±	0.010	0.0023	±	0.0082
Nagano, NAGANO	30	200.5	0.018	±	0.013	0.0094	±	0.0077
Kakamigahara, GIFU	34	319.5	0.000	±	0.012	0.0024	±	0.0080
Shizuoka, SHIZUOKA	29	289.0	0.040	±	0.016	0.012	±	0.0080
Nagoya, AICHI	30	410.9	0.044	±	0.015	0.015	±	0.0091
Yokkaichi, MIE	30	540.5	0.023	±	0.012	0.011	±	0.0083
Otsu, SHIGA	30	134.9	0.000	±	0.013	0.0000	±	0.0075

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km ²)		Cs-137 (MBq/km ²)	
Kyoto, KYOTO	33	206.5	0.026	±	0.018	0.0063 ± 0.0089
Osaka, OSAKA	30	199.79	0.027	±	0.012	0.0000 ± 0.0077
Kobe, HYOGO	30	165.2	0.031	±	0.015	0.0092 ± 0.0077
Nara, NARA	30	236.6	0.045	±	0.025	0.0091 ± 0.0094
Wakayama, WAKAYAMA	34	213.0	0.066	±	0.020	0.019 ± 0.010
Yurihama-machi, TOTTORI	30	280.2	0.000	±	0.013	0.0000 ± 0.0088
Okayama, OKAYAMA	30	147.8	0.0000	±	0.0099	0.0000 ± 0.0070
Hiroshima, HIROSHIMA	30	297.1	0.001	±	0.010	0.012 ± 0.0081
Yamaguchi, YAMAGUCHI	30	361.0	0.022	±	0.014	0.0040 ± 0.0075
Ishii-machi, TOKUSHIMA	29	302.1	0.39	±	0.19	0.000 ± 0.011
Takamatsu, KAGAWA	30	123.5	0.035	±	0.014	0.0035 ± 0.0078
Matsuyama, EHIME	30	130.0	0.003	±	0.012	0.0006 ± 0.0066
Kochi, KOCHI	30	579.7	0.055	±	0.016	0.0000 ± 0.0081
Dazaifu, FUKUOKA	30	310.3	0.005	±	0.013	0.0072 ± 0.0087
Saga, SAGA	30	271.9	0.000	±	0.012	0.0000 ± 0.0075
Nagasaki, NAGASAKI	30	273.0	0.018	±	0.020	0.0035 ± 0.0079
Uto, KUMAMOTO	30	289.3	0.026	±	0.012	0.0000 ± 0.0077
Oita, OITA	30	519.0	0.021	±	0.015	0.0000 ± 0.0077
Miyazaki, MIYAZAKI	30	629.6	0.019	±	0.013	0.0041 ± 0.0085
Kagoshima, KAGOSHIMA	30	298.5	0.022	±	0.011	0.0037 ± 0.0084
Yonashiro-machi, OKINAWA	30	275.5	0.033	±	0.014	0.0000 ± 0.0074
Oct. 2004						
Sapporo, HOKKAIDO	31	42.5	0.004	±	0.012	0.0081 ± 0.0095
Aomori, AOMORI	31	52.5	0.008	±	0.013	0.0000 ± 0.0082
Morioka, IWATE	28	95.1	0.000	±	0.012	0.0048 ± 0.0082
Onagawa-machi, MIYAGI	31	323.0	0.015	±	0.014	0.013 ± 0.0083
Akita, AKITA	31	120.2	0.004	±	0.014	0.0080 ± 0.0081
Yamagata, YAMAGATA	31	204.6	0.035	±	0.013	0.0000 ± 0.0075
Okuma-machi, FUKUSHIMA	31	466.5	0.034	±	0.014	0.0000 ± 0.0077
Mito, IBARAKI	31	504.5	0.010	±	0.012	0.0047 ± 0.0082
Kawachi-machi, TOCHIGI	31	493.6	0.0000	±	0.0091	0.015 ± 0.0087
Maebashi, GUNMA	31	392.5	0.001	±	0.012	0.0000 ± 0.0076
Saitama, SAITAMA	31	693.5	0.0000	±	0.0082	0.0000 ± 0.0054
Ichihara, CHIBA	31	607.8	0.000	±	0.013	0.011 ± 0.0088

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km ²)		Cs-137 (MBq/km ²)			
Chiba, CHIBA	31	540.8	0.007	±	0.011	0.016	±	0.0082
Shinjuku, TOKYO	31	549.4	0.031	±	0.015	0.0012	±	0.0072
Chigasaki, KANAGAWA	31	795.3	0.014	±	0.012	0.0051	±	0.0075
Niigata, NIIGATA	31	214.62	0.000	±	0.015	0.0025	±	0.0081
Kosugi-machi, TOYAMA	31	326.6	0.012	±	0.012	0.014	±	0.0092
Kanazawa, ISHIKAWA	31	312.5	0.0000	±	0.0084	0.012	±	0.0090
Fukui, FUKUI	27	245.8	0.086	±	0.068	0.000	±	0.040
Kofu, YAMANASHI	31	586.0	0.008	±	0.011	0.0077	±	0.0092
Nagano, NAGANO	31	319.0	0.024	±	0.014	0.016	±	0.0083
Kakamigahara, GIFU	25	320.0	0.003	±	0.011	0.0058	±	0.0073
Shizuoka, SHIZUOKA	31	957.0	0.002	±	0.014	0.0018	±	0.0073
Nagoya, AICHI	31	430.2	0.000	±	0.011	0.0000	±	0.0079
Yokkaichi, MIE	31	400.0	0.003	±	0.010	0.0000	±	0.0074
Otsu, SHIGA	31	305.6	0.016	±	0.013	0.0047	±	0.0088
Kyoto, KYOTO	29	283.5	0.007	±	0.011	0.0000	±	0.0062
Osaka, OSAKA	31	361.42	0.006	±	0.013	0.0000	±	0.0073
Kobe, HYOGO	29	260.7	0.023	±	0.014	0.0000	±	0.0080
Nara, NARA	31	318.0	0.006	±	0.014	0.0000	±	0.0081
Wakayama, WAKAYAMA	27	261.0	0.011	±	0.014	0.025	±	0.0089
Yurihama-machi, TOTTORI	31	322.7	0.012	±	0.013	0.014	±	0.0091
Okayama, OKAYAMA	31	211.9	0.015	±	0.013	0.0000	±	0.0093
Hiroshima, HIROSHIMA	31	204.7	0.004	±	0.014	0.0057	±	0.0095
Yamaguchi, YAMAGUCHI	31	140.5	0.058	±	0.016	0.0000	±	0.0085
Ishii-machi, TOKUSHIMA	31	295.5	0.053	±	0.038	0.000	±	0.014
Takamatsu, KAGAWA	31	271.0	0.025	±	0.014	0.0018	±	0.0078
Matsuyama, EHIME	31	247.5	0.004	±	0.011	0.0000	±	0.0076
Kochi, KOCHI	31	319.2	0.049	±	0.016	0.0042	±	0.0078
Dazaifu, FUKUOKA	31	231.5	0.016	±	0.012	0.0053	±	0.0084
Saga, SAGA	31	160.5	0.000	±	0.013	0.0000	±	0.0075
Nagasaki, NAGASAKI	31	187.0	0.032	±	0.020	0.0035	±	0.0078
Uto, KUMAMOTO	31	135.3	0.0000	±	0.0096	0.0000	±	0.0072
Oita, OITA	31	562.0	0.012	±	0.014	0.0000	±	0.0078
Miyazaki, MIYAZAKI	31	592.7	0.012	±	0.011	0.0041	±	0.0082
Kagoshima, KAGOSHIMA	29	328.5	0.004	±	0.013	0.0047	±	0.0087

Location	Duration (Days)	Precipitation (mm)		Sr-90 (MBq/km ²)		Cs-137 (MBq/km ²)		
Yonashiro-machi, OKINAWA	31	231.0	0.036	±	0.014	0.0086	±	0.0098
Nov. 2004								
Sapporo, HOKKAIDO	30	64.0	0.015	±	0.013	0.0076	±	0.0089
Aomori, AOMORI	30	89.5	0.033	±	0.013	0.011	±	0.0086
Morioka, IWATE	30	77.3	0.017	±	0.012	0.0099	±	0.0086
Onagawa-machi, MIYAGI	30	78.0	0.000	±	0.013	0.0000	±	0.0073
Akita, AKITA	30	145.4	0.008	±	0.014	0.0000	±	0.0087
Yamagata, YAMAGATA	30	68.0	0.033	±	0.014	0.0000	±	0.0076
Okuma-machi, FUKUSHIMA	30	81.5	0.008	±	0.013	0.0000	±	0.0081
Mito, IBARAKI	30	70.5	0.008	±	0.013	0.013	±	0.0087
Kawachi-machi, TOCHIGI	30	84.5	0.007	±	0.012	0.0081	±	0.0078
Maebashi, GUNMA	30	38.0	0.010	±	0.020	0.0000	±	0.0077
Saitama, SAITAMA	30	73.7	0.029	±	0.011	0.0000	±	0.0057
Ichihara, CHIBA	30	148.4	0.000	±	0.013	0.0043	±	0.0088
Chiba, CHIBA	30	139.6	0.004	±	0.010	0.013	±	0.0078
Shinjuku, TOKYO	31	89.1	0.000	±	0.014	0.0000	±	0.0087
Chigasaki, KANAGAWA	29	133.5	0.014	±	0.011	0.0018	±	0.0077
Niigata, NIIGATA	30	164.30	0.016	±	0.012	0.011	±	0.0082
Kosugi-machi, TOYAMA	30	151.6	0.044	±	0.016	0.013	±	0.0089
Kanazawa, ISHIKAWA	29	183.0	0.011	±	0.0096	0.019	±	0.0092
Fukui, FUKUI	30	160.1	0.000	±	0.069	0.000	±	0.038
Kofu, YAMANASHI	30	50.5	0.032	±	0.013	0.0000	±	0.0081
Nagano, NAGANO	30	25.5	0.018	±	0.013	0.0079	±	0.0078
Kakamigahara, GIFU	31	81.8	0.026	±	0.014	0.0012	±	0.0074
Shizuoka, SHIZUOKA	30	184.0	0.013	±	0.012	0.0077	±	0.0077
Nagoya, AICHI	30	85.3	0.009	±	0.011	0.0000	±	0.0080
Yokkaichi, MIE	30	119.5	0.0000	±	0.0095	0.0000	±	0.0072
Otsu, SHIGA	30	97.0	0.023	±	0.014	0.0000	±	0.0074
Kyoto, KYOTO	35	145.0	0.012	±	0.012	0.0019	±	0.0070
Osaka, OSAKA	30	114.05	0.026	±	0.012	0.0000	±	0.0076
Kobe, HYOGO	32	108.6	0.015	±	0.013	0.0000	±	0.0073
Nara, NARA	30	173.6	0.004	±	0.015	0.0000	±	0.0079
Yurihama-machi, TOTTORI	30	115.4	0.017	±	0.014	0.0046	±	0.0085
Okayama, OKAYAMA	30	41.6	0.004	±	0.012	0.0000	±	0.0082

Location	Duration (Days)	Precipitation (mm)		Sr-90 (MBq/km ²)			Cs-137 (MBq/km ²)		
Hiroshima, HIROSHIMA	30	34.6	0.011	±	0.015	0.0000	±	0.0084	
Yamaguchi, YAMAGUCHI	30	40.0	0.017	±	0.012	0.0000	±	0.0074	
Ishii-machi, TOKUSHIMA	30	201.7	0.024	±	0.017	0.0000	±	0.0081	
Takamatsu, KAGAWA	30	57.0	0.022	±	0.014	0.0000	±	0.0073	
Kochi, KOCHI	30	291.3	0.043	±	0.013	0.0000	±	0.0063	
Dazaifu, FUKUOKA	30	41.1	0.006	±	0.010	0.0000	±	0.0078	
Saga, SAGA	30	36.7	0.007	±	0.013	0.0000	±	0.0075	
Nagasaki, NAGASAKI	30	35.0	0.037	±	0.015	0.0029	±	0.0079	
Uto, KUMAMOTO	30	74.8	0.014	±	0.011	0.012	±	0.0088	
Oita, OITA	30	76.5	0.017	±	0.012	0.0000	±	0.0067	
Miyazaki, MIYAZAKI	30	339.3	0.000	±	0.014	0.0000	±	0.0083	
Kagoshima, KAGOSHIMA	32	202.0	0.000	±	0.011	0.0038	±	0.0081	
Yonashiro-machi, OKINAWA	30	52.0	0.000	±	0.013	0.0000	±	0.0095	
Dec. 2004									
Sapporo, HOKKAIDO	27	127.5	0.000	±	0.012	0.0000	±	0.0081	
Aomori, AOMORI	34	217.0	0.008	±	0.012	0.0000	±	0.0090	
Morioka, IWATE	34	125.2	0.021	±	0.012	0.024	±	0.0094	
Onagawa-machi, MIYAGI	35	96.5	0.000	±	0.010	0.0031	±	0.0083	
Akita, AKITA	34	213.6	0.018	±	0.020	0.0034	±	0.0093	
Yamagata, YAMAGATA	34	57.8	0.008	±	0.011	0.0000	±	0.0067	
Okuma-machi, FUKUSHIMA	34	41.0	0.004	±	0.011	0.0000	±	0.0084	
Mito, IBARAKI	34	72.5	0.007	±	0.013	0.046	±	0.011	
Kawachi-machi, TOCHIGI	34	74.9	0.010	±	0.012	0.0069	±	0.0077	
Maebashi, GUNMA	34	31.5	0.010	±	0.012	0.018	±	0.0089	
Saitama, SAITAMA	34	58.2	0.0017	±	0.0095	0.0036	±	0.0059	
Ichihara, CHIBA	34	78.9	0.000	±	0.014	0.023	±	0.011	
Chiba, CHIBA	34	69.8	0.018	±	0.012	0.0082	±	0.0079	
Shinjuku, TOKYO	33	46.1	0.011	±	0.010	0.0000	±	0.0081	
Chigasaki, KANAGAWA	28	63.1	0.000	±	0.011	0.0000	±	0.0083	
Niigata, NIIGATA	34	214.63	0.000	±	0.011	0.0082	±	0.0096	
Kosugi-machi, TOYAMA	26	149.6	0.017	±	0.015	0.017	±	0.0090	
Kanazawa, ISHIKAWA	28	204.5	0.031	±	0.012	0.0029	±	0.0080	
Fukui, FUKUI	34	256.6	0.16	±	0.093	0.020	±	0.039	
Kofu, YAMANASHI	34	79.0	0.000	±	0.012	0.019	±	0.0094	

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km ²)		Cs-137 (MBq/km ²)			
Nagano, NAGANO	34	79.0	0.013	±	0.015	0.015	±	0.0081
Kakamigahara, GIFU	34	102.5	0.012	±	0.015	0.012	±	0.0082
Shizuoka, SHIZUOKA	34	156.5	0.007	±	0.012	0.015	±	0.0081
Nagoya, AICHI	34	102.9	0.000	±	0.028	0.013	±	0.0092
Yokkaichi, MIE	34	104.5	0.008	±	0.010	0.0098	±	0.0085
Otsu, SHIGA	34	97.0	0.001	±	0.014	0.0000	±	0.0082
Kyoto, KYOTO	20	48.0	0.035	±	0.015	0.016	±	0.0081
Osaka, OSAKA	34	94.00	0.025	±	0.012	0.0000	±	0.0080
Kobe, HYOGO	28	55.1	0.0000	±	0.0099	0.0000	±	0.0078
Nara, NARA	34	89.3	0.009	±	0.015	0.0000	±	0.0083
Wakayama, WAKAYAMA	33	169.0	0.018	±	0.014	0.0012	±	0.0071
Yurihama-machi, TOTTORI	34	263.7	0.000	±	0.029	0.000	±	0.014
Okayama, OKAYAMA	34	109.4	0.000	±	0.012	0.0033	±	0.0095
Hiroshima, HIROSHIMA	34	113.9	0.010	±	0.012	0.0000	±	0.0075
Yamaguchi, YAMAGUCHI	34	135.0	0.000	±	0.012	0.0000	±	0.0089
Ishii-machi, TOKUSHIMA	35	103.7	0.015	±	0.016	0.0000	±	0.0093
Takamatsu, KAGAWA	34	79.0	0.039	±	0.014	0.0043	±	0.0087
Matsuyama, EHIME	34	120.0	0.000	±	0.013	0.0000	±	0.0077
Kochi, KOCHI	34	149.6	0.043	±	0.014	0.010	±	0.0083
Dazaifu, FUKUOKA	34	147.6	0.0000	±	0.0090	0.013	±	0.0086
Saga, SAGA	34	109.8	0.011	±	0.013	0.012	±	0.0086
Nagasaki, NAGASAKI	34	127.0	0.037	±	0.018	0.013	±	0.0090
Uto, KUMAMOTO	34	129.0	0.028	±	0.016	0.024	±	0.0096
Oita, OITA	34	94.5	0.011	±	0.014	0.0041	±	0.0080
Miyazaki, MIYAZAKI	34	156.6	0.000	±	0.011	0.0014	±	0.0091
Kagoshima, KAGOSHIMA	28	101.0	0.011	±	0.015	0.0000	±	0.0075
Yonashiro-machi, OKINAWA	35	87.5	0.011	±	0.015	0.013	±	0.0095
Jan. 2005								
Sapporo, HOKKAIDO	35	133.0	0.018	±	0.014	0.012	±	0.0089
Aomori, AOMORI	29	163.5	0.019	±	0.013	0.011	±	0.014
Morioka, IWATE	28	50.6	0.022	±	0.011	0.012	±	0.0090
Onagawa-machi, MIYAGI	27	57.0	0.004	±	0.011	0.0057	±	0.0087
Akita, AKITA	28	159.0	0.000	±	0.015	0.015	±	0.0081
Yamagata, YAMAGATA	28	165.5	0.020	±	0.012	0.0019	±	0.0082

Location	Duration (Days)	Precipitation (mm)		Sr-90 (MBq/km ²)			Cs-137 (MBq/km ²)		
Okuma-machi, FUKUSHIMA	28	94.5	0.002	±	0.011	0.012	±	0.010	
Mito, IBARAKI	28	107.5	0.015	±	0.015	0.098	±	0.013	
Kawachi-machi, TOCHIGI	28	58.0	0.021	±	0.013	0.0047	±	0.0077	
Maebashi, GUNMA	28	55.0	0.025	±	0.013	0.016	±	0.0089	
Saitama, SAITAMA	28	103.6	0.0000	±	0.0080	0.0090	±	0.0058	
Ichihara, CHIBA	28	93.3	0.008	±	0.014	0.016	±	0.0086	
Chiba, CHIBA	28	111.0	0.009	±	0.011	0.0099	±	0.0075	
Shinjuku, TOKYO	28	123.0	0.027	±	0.012	0.0000	±	0.0082	
Chigasaki, KANAGAWA	35	80.2	0.009	±	0.010	0.016	±	0.0088	
Niigata, NIIGATA	28	122.79	0.009	±	0.015	0.0080	±	0.0094	
Kosugi-machi, TOYAMA	35	318.5	0.012	±	0.016	0.019	±	0.0091	
Kanazawa, ISHIKAWA	31	320.5	0.027	±	0.013	0.001	±	0.010	
Fukui, FUKUI	28	388.2	0.05	±	0.12	0.014	±	0.039	
Kofu, YAMANASHI	28	41.5	0.000	±	0.014	0.0070	±	0.0086	
Nagano, NAGANO	28	68.5	0.000	±	0.014	0.0018	±	0.0073	
Kakamigahara, GIFU	27	16.5	0.024	±	0.015	0.016	±	0.0082	
Shizuoka, SHIZUOKA	28	36.5	0.001	±	0.011	0.017	±	0.0087	
Nagoya, AICHI	28	7.6	0.001	±	0.012	0.0000	±	0.0077	
Yokkaichi, MIE	28	22.0	0.013	±	0.017	0.0075	±	0.0084	
Otsu, SHIGA	28	59.0	0.000	±	0.013	0.0052	±	0.0080	
Kyoto, KYOTO	36	46.5	0.026	±	0.014	0.0015	±	0.0094	
Osaka, OSAKA	28	18.8	0.001	±	0.013	0.0000	±	0.0076	
Kobe, HYOGO	34	46.0	0.000	±	0.011	0.0000	±	0.0079	
Nara, NARA	28	38.0	0.000	±	0.012	0.0020	±	0.0090	
Wakayama, WAKAYAMA	28	13.0	0.017	±	0.015	0.0095	±	0.0075	
Yurihama-machi, TOTTORI	28	155.9	0.020	±	0.011	0.0083	±	0.0090	
Okayama, OKAYAMA	28	5.4	0.000	±	0.011	0.0000	±	0.0080	
Hiroshima, HIROSHIMA	28	11.4	0.008	±	0.011	0.0000	±	0.0083	
Yamaguchi, YAMAGUCHI	28	61.5	0.004	±	0.010	0.0000	±	0.0078	
Ishii-machi, TOKUSHIMA	27	37.2	0.002	±	0.025	0.001	±	0.011	
Takamatsu, KAGAWA	28	4.0	0.007	±	0.017	0.0026	±	0.0082	
Matsuyama, EHIME	28	19.0	0.026	±	0.013	0.0000	±	0.0074	
Kochi, KOCHI	28	33.2	0.039	±	0.013	0.0076	±	0.0084	
Dzai fu, FUKUOKA	28	56.6	0.019	±	0.013	0.0053	±	0.0080	

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km ²)		Cs-137 (MBq/km ²)				
Saga, SAGA	28	37.3	0.006	±	0.013	0.0019	±	0.0078	
Nagasaki, NAGASAKI	28	51.5	0.005	±	0.016	0.014	±	0.0085	
Uto, KUMAMOTO	28	42.7	0.026	±	0.014	0.0000	±	0.0077	
Oita, OITA	28	31.0	0.000	±	0.013	0.0000	±	0.0074	
Miyazaki, MIYAZAKI	28	166.1	0.003	±	0.015	0.0091	±	0.0088	
Kagoshima, KAGOSHIMA	34	95.0	0.005	±	0.011	0.000	±	0.010	
Yonashiro-machi, OKINAWA	27	24.5	0.006	±	0.014	0.0000	±	0.0084	
Feb. 2005									
Sapporo, HOKKAIDO	28	63.0	0.034	±	0.015	0.0024	±	0.0079	
Aomori, AOMORI	27	136.8	0.042	±	0.015	0.000	±	0.013	
Morioka, IWATE	28	54.4	0.000	±	0.013	0.0071	±	0.0087	
Onagawa-machi, MIYAGI	28	37.0	0.002	±	0.013	0.0000	±	0.0072	
Akita, AKITA	28	114.5	0.006	±	0.013	0.014	±	0.0081	
Yamagata, YAMAGATA	28	57.5	0.024	±	0.015	0.012	±	0.0087	
Okuma-machi, FUKUSHIMA	28	64.5	0.010	±	0.012	0.018	±	0.0095	
Kawachi-machi, TOCHIGI	28	59.2	0.010	±	0.016	0.0000	±	0.0088	
Maebashi, GUNMA	28	28.5	0.016	±	0.013	0.025	±	0.0088	
Saitama, SAITAMA	28	54.2	0.0096	±	0.0091	0.021	±	0.0065	
Ichihara, CHIBA	28	68.8	0.023	±	0.013	0.013	±	0.0090	
Chiba, CHIBA	28	59.0	0.017	±	0.013	0.021	±	0.0082	
Shinjuku, TOKYO	28	54.4	0.023	±	0.012	0.0000	±	0.0078	
Chigasaki, KANAGAWA	28	74.4	0.020	±	0.015	0.014	±	0.0088	
Niigata, NIIGATA	28	130.3	0.010	±	0.016	0.0080	±	0.0093	
Kosugi-machi, TOYAMA	29	195.2	0.009	±	0.015	0.033	±	0.010	
Kanazawa, ISHIKAWA	33	247.5	0.025	±	0.013	0.006	±	0.010	
Fukui, FUKUI	29	208.0	0.000	±	0.072	0.000	±	0.041	
Kofu, YAMANASHI	30	41.5	0.000	±	0.013	0.0047	±	0.0089	
Nagano, NAGANO	28	40.0	0.000	±	0.010	0.012	±	0.0081	
Kakamigahara, GIFU	28	93.9	0.010	±	0.014	0.012	±	0.0082	
Shizuoka, SHIZUOKA	28	81.5	0.004	±	0.013	0.0056	±	0.0078	
Nagoya, AICHI	28	71.4	0.000	±	0.012	0.0013	±	0.0087	
Yokkaichi, MIE	28	86.0	0.013	±	0.012	0.010	±	0.010	
Otsu, SHIGA	28	102.9	0.000	±	0.014	0.013	±	0.0082	
Kyoto, KYOTO	27	49.5	0.003	±	0.012	0.020	±	0.0098	

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km ²)		Cs-137 (MBq/km ²)			
Osaka, OSAKA	28	48.2	0.021	±	0.014	0.020	±	0.0098
Kobe, HYOGO	28	47.8	0.0010	±	0.0095	0.0078	±	0.0083
Nara, NARA	28	77.0	0.000	±	0.015	0.015	±	0.0098
Yurihama-machi, TOTTORI	28	202.9	0.027	±	0.013	0.010	±	0.0098
Okayama, OKAYAMA	28	80.1	0.020	±	0.013	0.0059	±	0.0096
Hiroshima, HIROSHIMA	28	77.3	0.0000	±	0.0098	0.0026	±	0.0089
Yamaguchi, YAMAGUCHI	28	96.5	0.011	±	0.014	0.0079	±	0.0079
Ishii-machi, TOKUSHIMA	28	76.1	0.007	±	0.025	0.0000	±	0.0096
Takamatsu, KAGAWA	28	61.0	0.000	±	0.013	0.011	±	0.0084
Matsuyama, EHIME	28	90.5	0.025	±	0.013	0.0032	±	0.0087
Kochi, KOCHI	28	127.2	0.051	±	0.014	0.0006	±	0.0081
Dazaifu, FUKUOKA	28	105.0	0.006	±	0.011	0.0043	±	0.0083
Saga, SAGA	28	96.0	0.008	±	0.012	0.017	±	0.0088
Nagasaki, NAGASAKI	28	110.0	0.025	±	0.015	0.0067	±	0.0082
Uto, KUMAMOTO	28	91.2	0.014	±	0.013	0.0013	±	0.0071
Oita, OITA	28	104.0	0.000	±	0.012	0.012	±	0.0083
Miyazaki, MIYAZAKI	28	233.7	0.033	±	0.014	0.016	±	0.0099
Kagoshima, KAGOSHIMA	28	236.0	0.016	±	0.012	0.0013	±	0.0083
Yonashiro-machi, OKINAWA	28	102.5	0.016	±	0.015	0.016	±	0.010
Mar. 2005								
Sapporo, HOKKAIDO	31	75.0	0.000	±	0.013	0.0045	±	0.0095
Aomori, AOMORI	30	162.2	0.019	±	0.014	0.026	±	0.011
Morioka, IWATE	31	81.0	0.030	±	0.013	0.013	±	0.0082
Onagawa-machi, MIYAGI	31	80.5	0.051	±	0.016	0.013	±	0.0099
Akita, AKITA	31	139.7	0.014	±	0.012	0.026	±	0.0087
Yamagata, YAMAGATA	31	66.3	0.000	±	0.013	0.012	±	0.010
Okuma-machi, FUKUSHIMA	31	63.0	0.007	±	0.014	0.019	±	0.0095
Mito, IBARAKI	31	95.5	0.034	±	0.013	0.040	±	0.010
Kawachi-machi, TOCHIGI	31	68.9	0.027	±	0.017	0.0082	±	0.0091
Maebashi, GUNMA	31	50.5	0.041	±	0.013	0.030	±	0.010
Saitama, SAITAMA	31	66.2	0.027	±	0.011	0.020	±	0.0064
Ichihara, CHIBA	31	85.9	0.023	±	0.013	0.0026	±	0.0084
Chiba, CHIBA	31	87.0	0.021	±	0.013	0.0087	±	0.0073
Shinjuku, TOKYO	31	77.3	0.029	±	0.013	0.012	±	0.0091

Location	Duration (Days)	Precipitation (mm)		Sr-90 (MBq/km ²)			Cs-137 (MBq/km ²)		
Chigasaki, KANAGAWA	30	98.1	0.019	±	0.014	0.0050	±	0.0085	
Niigata, NIIGATA	31	139.12	0.024	±	0.012	0.024	±	0.010	
Kosugi-machi, TOYAMA	30	216.5	0.009	±	0.015	0.027	±	0.0099	
Kanazawa, ISHIKAWA	29	227.0	0.031	±	0.014	0.0073	±	0.0085	
Fukui, FUKUI	33	176.6	0.11	±	0.12	0.042	±	0.049	
Kofu, YAMANASHI	29	63.5	0.000	±	0.013	0.0000	±	0.0078	
Nagano, NAGANO	31	55.0	0.000	±	0.011	0.0036	±	0.0072	
Kakamigahara, GIFU	23	156.4	0.029	±	0.014	0.0087	±	0.0084	
Shizuoka, SHIZUOKA	31	212.0	0.051	±	0.015	0.0053	±	0.0083	
Nagoya, AICHI	31	121.4	0.035	±	0.015	0.0054	±	0.0094	
Yokkaichi, MIE	31	112.0	0.035	±	0.014	0.013	±	0.0096	
Otsu, SHIGA	31	99.8	0.023	±	0.015	0.012	±	0.0086	
Kyoto, KYOTO	32	100.0	0.044	±	0.015	0.022	±	0.0096	
Osaka, OSAKA	30	73.3	0.029	±	0.014	0.0031	±	0.0080	
Kobe, HYOGO	31	70.5	0.023	±	0.012	0.024	±	0.0091	
Nara, NARA	31	74.8	0.000	±	0.013	0.017	±	0.0093	
Wakayama, WAKAYAMA	31	66.5	0.043	±	0.015	0.0099	±	0.0085	
Yurihama-machi, TOTTORI	31	408.7	0.029	±	0.014	0.018	±	0.010	
Matsue, SHIMANE	31	154.8	0.030	±	0.0098	0.034	±	0.0082	
Okayama, OKAYAMA	31	58.0	0.023	±	0.013	0.0056	±	0.0091	
Hiroshima, HIROSHIMA	31	111.9	0.0000	±	0.0093	0.0027	±	0.0092	
Yamaguchi, YAMAGUCHI	31	146.5	0.011	±	0.012	0.020	±	0.010	
Ishii-machi, TOKUSHIMA	31	43.1	0.006	±	0.013	0.0000	±	0.0097	
Takamatsu, KAGAWA	31	58.5	0.027	±	0.013	0.0000	±	0.0082	
Matsuyama, EHIME	31	96.5	0.025	±	0.012	0.0044	±	0.0086	
Kochi, KOCHI	31	143.2	0.076	±	0.018	0.025	±	0.0093	
Dazaifu, FUKUOKA	31	115.0	0.010	±	0.011	0.014	±	0.0093	
Saga, SAGA	31	129.5	0.018	±	0.012	0.017	±	0.0079	
Nagasaki, NAGASAKI	31	133.0	0.044	±	0.019	0.0000	±	0.0076	
Uto, KUMAMOTO	31	122.4	0.016	±	0.012	0.0000	±	0.0078	
Oita, OITA	31	36.0	0.033	±	0.013	0.0030	±	0.0082	
Miyazaki, MIYAZAKI	31	71.5	0.031	±	0.015	0.011	±	0.0090	
Kagoshima, KAGOSHIMA	31	122.0	0.010	±	0.012	0.022	±	0.010	
Uruma, OKINAWA	31	131.5	0.009	±	0.015	0.0070	±	0.0092	

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

(from Apr. 2004 to Apr. 2005)

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. 2004~Jun. 2004										
Morioka, IWATE	04	-	06	10368.0	0.00037	±	0.00061	0.00004	±	0.00031
Akita, AKITA	04	-	06	10800.0	0.00054	±	0.00058	0.00002	±	0.00029
Yamagata, YAMAGATA	04	-	06	12960.0	0.00036	±	0.00043	0.00000	±	0.00022
Okuma-machi, FUKUSHIMA	04	-	06	10027.0	0.00077	±	0.00058	0.00007	±	0.00031
Kawachi-machi, TOCHIGI	04	-	06	14571.9	0.00047	±	0.00054	0.00020	±	0.00022
Maebashi, GUNMA	04	-	06	11470.9	0.00041	±	0.00054	0.00008	±	0.00031
Ichihara, CHIBA	04	-	06	10002.5	0.00000	±	0.00060	0.00000	±	0.00029
Chigasaki, KANAGAWA	04	-	06	10960.9	0.00033	±	0.00055	0.00000	±	0.00024
Niigata, NIIGATA	04	-	06	9906.9	0.00052	±	0.00056	0.00029	±	0.00030
Kosugi-machi, TOYAMA	04	-	06	18082.8	0.00033	±	0.00038	0.00041	±	0.00020
Fukui, FUKUI	04	-	06	12959.1	0.00000	±	0.00046	0.00007	±	0.00025
Kofu, YAMANASHI	04	-	06	11613.2	0.00086	±	0.00052	0.00000	±	0.00027
Nagano, NAGANO	04	-	06	11643.8	0.00000	±	0.00050	0.00000	±	0.00024
Kakamigahara, GIFU	04	-	06	11519.4	0.00065	±	0.00049	0.00000	±	0.00024
Omaezaki, SHIZUOKA	04	-	06	10141.0	0.0014	±	0.00061	0.00000	±	0.00026
Nagoya, AICHI	04	-	06	10367.6	0.00034	±	0.00051	0.00000	±	0.00031
Yokkaichi, MIE	04	-	06	14489.4	0.00023	±	0.00041	0.00020	±	0.00021
Otsu, SHIGA	04	-	06	10006.7	0.00000	±	0.00050	0.00000	±	0.00030
Kyoto, KYOTO	04	-	06	10017.6	0.00030	±	0.00056	0.00000	±	0.00031
Osaka, OSAKA	04	-	06	12932.0	0.00079	±	0.00052	0.00073	±	0.00029
Kobe, HYOGO	04	-	06	10363.7	0.00055	±	0.00059	0.00049	±	0.00033
Nara, NARA	04	-	06	10587.7	0.0017	±	0.00073	0.00040	±	0.00031
Wakayama, WAKAYAMA	04	-	06	8463.5	0.00040	±	0.00057	0.0011	±	0.00040
Hawai-machi, TOTTORI	04	-	06	14340.0	0.00042	±	0.00046	0.00019	±	0.00023
Okayama, OKAYAMA	04	-	06	13225.0	0.00077	±	0.00060	0.00055	±	0.00028
Hiroshima, HIROSHIMA	04	-	06	10179.6	0.00030	±	0.00050	0.00000	±	0.00028
Yamaguchi, YAMAGUCHI	04	-	06	21817.3	0.00002	±	0.00027	0.00000	±	0.00012
Tokushima, TOKUSHIMA	04	-	06	10080.0	0.00016	±	0.00064	0.00000	±	0.00029
Takamatsu, KAGAWA	04	-	06	9728.0	0.00091	±	0.00060	0.00002	±	0.00032
Saga, SAGA	04	-	06	10142.4	0.00066	±	0.00063	0.00000	±	0.00030

Location	Sampling Period		Absorption (m ³)	Sr-90 (mBq/m ³)		Cs-137 (mBq/m ³)	
Nagasaki, NAGASAKI	04	- 06	8640.0	0.00065	±	0.00063	0.00000 ± 0.00034
Uto, KUMAMOTO	04	- 06	13250.0	0.00011	±	0.00038	0.00008 ± 0.00022
Oita, OITA	04	- 06	10368.0	0.00000	±	0.00053	0.00000 ± 0.00029
Miyazaki, MIYAZAKI	04	- 06	13298.0	0.00042	±	0.00050	0.00005 ± 0.00023
Apr. 2004~Jul. 2004							
Mito, IBARAKI	04	- 07	10574.7	0.00016	±	0.00053	0.00000 ± 0.00026
Jul. 2004~Sep. 2004							
Morioka, IWATE	07	- 09	10368.0	0.00080	±	0.00057	0.00000 ± 0.00024
Akita, AKITA	07	- 09	10800.0	0.00007	±	0.00079	0.00015 ± 0.00027
Yamagata, YAMAGATA	07	- 09	12960.0	0.00000	±	0.00050	0.00000 ± 0.00023
Okuma-machi, FUKUSHIMA	07	- 09	10000.0	0.00044	±	0.00052	0.00000 ± 0.00031
Kawachi-machi, TOCHIGI	07	- 09	14294.1	0.00034	±	0.00040	0.00000 ± 0.00019
Maebashi, GUNMA	07	- 09	12584.4	0.00000	±	0.00043	0.00000 ± 0.00024
Ichihara, CHIBA	07	- 09	10003.3	0.00025	±	0.00058	0.00000 ± 0.00025
Chigasaki, KANAGAWA	07	- 09	10188.6	0.00043	±	0.00050	0.00000 ± 0.00028
Niigata, NIIGATA	07	- 09	9935.7	0.0010	±	0.00068	0.00033 ± 0.00030
Kosugi-machi, TOYAMA	07	- 09	18058.5	0.00041	±	0.00040	0.00024 ± 0.00019
Fukui, FUKUI	07	- 09	12959.1	0.00021	±	0.00049	0.00031 ± 0.00026
Kofu, YAMANASHI	07	- 09	10367.1	0.00056	±	0.00065	0.00037 ± 0.00032
Nagano, NAGANO	07	- 09	11638.0	0.00036	±	0.00055	0.00000 ± 0.00026
Kakamigahara, GIFU	07	- 09	11324.0	0.00000	±	0.00053	0.00000 ± 0.00025
Omaezaki, SHIZUOKA	07	- 09	10214.0	0.00000	±	0.00050	0.00000 ± 0.00026
Nagoya, AICHI	07	- 09	10366.2	0.00000	±	0.00046	0.00000 ± 0.00027
Yokkaichi, MIE	07	- 09	14123.2	0.00000	±	0.00037	0.00002 ± 0.00020
Otsu, SHIGA	07	- 09	10126.1	0.0013	±	0.00059	0.00022 ± 0.00028
Kyoto, KYOTO	07	- 09	10263.6	0.00040	±	0.00057	0.00000 ± 0.00030
Osaka, OSAKA	07	- 09	12783.0	0.0011	±	0.00061	0.00000 ± 0.00021
Kobe, HYOGO	07	- 09	10367.5	0.00059	±	0.00083	0.00000 ± 0.00028
Nara, NARA	07	- 09	10489.1	0.00000	±	0.00053	0.00002 ± 0.00031
Wakayama, WAKAYAMA	07	- 09	8592.0	0.00052	±	0.00059	0.00003 ± 0.00031
Hawai-machi, TOTTORI	07	- 09	14340.0	0.00094	±	0.00050	0.00000 ± 0.00017
Okayama, OKAYAMA	07	- 09	13692.0	0.00000	±	0.00048	0.00000 ± 0.00021
Hiroshima, HIROSHIMA	07	- 09	10065.7	0.0016	±	0.00068	0.00049 ± 0.00030
Yamaguchi, YAMAGUCHI	07	- 09	21740.7	0.00000	±	0.00029	0.00000 ± 0.00014

Location	Sampling Period		Absorption (m ³)	Sr-90 (mBq/m ³)		Cs-137 (mBq/m ³)	
Takamatsu, KAGAWA	07	- 09	9749.2	0.00044	±	0.00060	0.00016 ± 0.00033
Saga, SAGA	07	- 09	9854.2	0.00000	±	0.00061	0.00000 ± 0.00026
Nagasaki, NAGASAKI	07	- 09	8640.0	0.00000	±	0.00068	0.00000 ± 0.00029
Uto, KUMAMOTO	07	- 09	14967.0	0.00071	±	0.00039	0.00000 ± 0.00016
Oita, OITA	07	- 09	10368.0	0.00000	±	0.00065	0.00000 ± 0.00028
Jul. 2004~Oct. 2004							
Mito, IBARAKI	07	- 10	10313.4	0.0010	±	0.00056	0.00013 ± 0.00027
Tokushima, TOKUSHIMA	07	- 10	10080.0	0.00000	±	0.00055	0.00000 ± 0.00030
Miyazaki, MIYAZAKI	07	- 10	13185.0	0.00026	±	0.00044	0.00000 ± 0.00024
Oct. 2004~Dec. 2004							
Morioka, IWATE	10	- 12	10368.0	0.00061	±	0.00061	0.00000 ± 0.00028
Akita, AKITA	10	- 12	10800.0	0.00085	±	0.00058	0.00035 ± 0.00028
Yamagata, YAMAGATA	10	- 12	12960.0	0.00044	±	0.00043	0.00030 ± 0.00024
Kawachi-machi, TOCHIGI	10	- 12	14753.2	0.00000	±	0.00040	0.00006 ± 0.00022
Maebashi, GUNMA	10	- 12	11421.2	0.00000	±	0.00046	0.00006 ± 0.00028
Ichihara, CHIBA	10	- 12	10153.2	0.00015	±	0.00056	0.00000 ± 0.00025
Chigasaki, KANAGAWA	10	- 12	10640.9	0.00000	±	0.00050	0.00000 ± 0.00027
Niigata, NIIGATA	10	- 12	9935.7	0.00000	±	0.00060	0.00000 ± 0.00028
Kosugi-machi, TOYAMA	10	- 12	18067.5	0.00067	±	0.00036	0.00000 ± 0.00017
Fukui, FUKUI	10	- 12	12959.1	0.00000	±	0.00039	0.00000 ± 0.00023
Kofu, YAMANASHI	10	- 12	10367.1	0.00000	±	0.00060	0.00000 ± 0.00026
Nagano, NAGANO	10	- 12	11337.9	0.00052	±	0.00054	0.00000 ± 0.00024
Kakamigahara, GIFU	10	- 12	12047.0	0.00064	±	0.00057	0.00000 ± 0.00022
Omaezaki, SHIZUOKA	10	- 12	10198.0	0.00000	±	0.00045	0.00000 ± 0.00029
Nagoya, AICHI	10	- 12	10356.5	0.0011	±	0.00062	0.00004 ± 0.00026
Yokkaichi, MIE	10	- 12	14329.0	0.00000	±	0.00036	0.00000 ± 0.00023
Otsu, SHIGA	10	- 12	10042.3	0.00089	±	0.00065	0.00033 ± 0.00030
Kyoto, KYOTO	10	- 12	10300.8	0.00021	±	0.00058	0.00000 ± 0.00031
Osaka, OSAKA	10	- 12	12743.0	0.00000	±	0.00047	0.00014 ± 0.00026
Kobe, HYOGO	10	- 12	10367.5	0.0010	±	0.00077	0.00000 ± 0.00025
Nara, NARA	10	- 12	10473.9	0.00058	±	0.00058	0.00000 ± 0.00030
Wakayama, WAKAYAMA	10	- 12	8347.9	0.00000	±	0.00053	0.00000 ± 0.00032
Yurihama-machi, TOTTORI	10	- 12	14340.0	0.00000	±	0.00036	0.00003 ± 0.00026
Okayama, OKAYAMA	10	- 12	13024.8	0.00031	±	0.00044	0.00000 ± 0.00022

Location	Sampling Period		Absorption (m ³)	Sr-90 (mBq/m ³)		Cs-137 (mBq/m ³)	
Hiroshima, HIROSHIMA	10	- 12	10247.2	0.00071	±	0.00059	0.00000 ± 0.00030
Yamaguchi, YAMAGUCHI	10	- 12	21846.1	0.00035	±	0.00027	0.00000 ± 0.00013
Tokushima, TOKUSHIMA	10	- 12	10080.0	0.00097	±	0.00065	0.00009 ± 0.00027
Takamatsu, KAGAWA	10	- 12	9690.0	0.00055	±	0.00061	0.00000 ± 0.00029
Saga, SAGA	10	- 12	9943.6	0.00000	±	0.00062	0.00039 ± 0.00030
Nagasaki, NAGASAKI	10	- 12	8640.0	0.0024	±	0.00089	0.00011 ± 0.00037
Uto, KUMAMOTO	10	- 12	14670.0	0.00000	±	0.00035	0.00000 ± 0.00019
Oita, OITA	10	- 12	10368.0	0.00000	±	0.00057	0.00000 ± 0.00030
Miyazaki, MIYAZAKI	10	- 12	13204.0	0.00030	±	0.00048	0.00025 ± 0.00027
Oct. 2004~Jan. 2005							
Mito, IBARAKI	10	- 01	10574.4	0.00000	±	0.00052	0.00027 ± 0.00032
Nov. 2004~Dec. 2004							
Okuma-machi, FUKUSHIMA	11	- 12	10000.0	0.00021	±	0.00060	0.00005 ± 0.00029
Jan. 2005~Feb. 2005							
Maebashi, GUNMA	01	- 02	10334.8	0.00074	±	0.00062	0.00000 ± 0.00029
Jan. 2005~Mar. 2005							
Morioka, IWATE	01	- 03	10368.0	0.00080	±	0.00055	0.00000 ± 0.00031
Akita, AKITA	01	- 03	10800.0	0.00031	±	0.00044	0.00000 ± 0.00024
Yamagata, YAMAGATA	01	- 03	12960.0	0.00000	±	0.00038	0.00000 ± 0.00024
Okuma-machi, FUKUSHIMA	01	- 03	10000.0	0.00011	±	0.00061	0.00042 ± 0.00032
Kawachi-machi, TOCHIGI	01	- 03	15082.2	0.00020	±	0.00035	0.00000 ± 0.00017
Ichihara, CHIBA	01	- 03	10316.1	0.0014	±	0.00061	0.00009 ± 0.00031
Chigasaki, KANAGAWA	01	- 03	10079.3	0.00043	±	0.00067	0.00005 ± 0.00030
Niigata, NIIGATA	01	- 03	9935.7	0.00000	±	0.00046	0.00000 ± 0.00029
Kosugi-machi, TOYAMA	01	- 03	18088.6	0.00022	±	0.00035	0.00000 ± 0.00017
Fukui, FUKUI	01	- 03	12959.1	0.00058	±	0.00047	0.00000 ± 0.00020
Kofu, YAMANASHI	01	- 03	10367.7	0.00019	±	0.00051	0.00055 ± 0.00032
Nagano, NAGANO	01	- 03	11276.7	0.00031	±	0.00052	0.00000 ± 0.00024
Kakamigahara, GIFU	01	- 03	11066.0	0.00093	±	0.00055	0.00000 ± 0.00027
Omaezaki, SHIZUOKA	01	- 03	9676.0	0.00026	±	0.00061	0.00014 ± 0.00033
Nagoya, AICHI	01	- 03	10366.2	0.00000	±	0.00054	0.00000 ± 0.00026
Yokkaichi, MIE	01	- 03	14914.1	0.00014	±	0.00036	0.00069 ± 0.00024
Otsu, SHIGA	01	- 03	10041.3	0.00018	±	0.00062	0.00000 ± 0.00026
Kyoto, KYOTO	01	- 03	10366.8	0.00005	±	0.00044	0.00035 ± 0.00028

Location	Sampling Period		Absorption (m ³)	Sr-90 (mBq/m ³)		Cs-137 (mBq/m ³)	
Osaka, OSAKA	01	- 03	15176.9	0.00085	±	0.00040	0.00000 ± 0.00021
Kobe, HYOGO	01	- 03	10367.5	0.00094	±	0.00061	0.00000 ± 0.00031
Nara, NARA	01	- 03	10476.7	0.0013	±	0.00070	0.00004 ± 0.00027
Wakayama, WAKAYAMA	01	- 03	8348.1	0.00013	±	0.00061	0.00000 ± 0.00033
Yur ihama-machi, TOTTORI	01	- 03	14340.0	0.00000	±	0.00035	0.00013 ± 0.00022
Okayama, OKAYAMA	01	- 03	13507.2	0.00050	±	0.00048	0.00000 ± 0.00022
Hiroshima, HIROSHIMA	01	- 03	10408.3	0.00011	±	0.00060	0.00000 ± 0.00026
Yamaguchi, YAMAGUCHI	01	- 03	21909.2	0.00048	±	0.00029	0.00009 ± 0.00013
Tokushima, TOKUSHIMA	01	- 03	10080.0	0.00000	±	0.00055	0.00037 ± 0.00030
Takamatsu, KAGAWA	01	- 03	9687.3	0.00092	±	0.00064	0.00002 ± 0.00031
Saga, SAGA	01	- 03	10063.3	0.00085	±	0.00058	0.0017 ± 0.00042
Nagasaki, NAGASAKI	01	- 03	8640.0	0.00049	±	0.00069	0.00000 ± 0.00037
Uto, KUMAMOTO	01	- 03	17787.0	0.00053	±	0.00037	0.00033 ± 0.00019
Oita, OITA	01	- 03	10368.0	0.00045	±	0.00050	0.00000 ± 0.00029
Miyazaki, MIYAZAKI	01	- 03	13164.0	0.00061	±	0.00050	0.00000 ± 0.00022
Jan. 2005~Apr. 2005							
Mito, IBARAKI	01	- 04	10530.4	0.00000	±	0.00051	0.00000 ± 0.00027

(3) Strontium-90 and Cesium-137 in Service water
(from Apr. 2004 to Mar. 2005)

Table (3) : Strontium-90 and Cesium-137 in Service water

Location	pH (pH)		Sr-90 (mBq/L)			Cs-137 (mBq/L)		
(Source water)								
May 2004								
Sapporo, HOKKAIDO	7.4	1.2	±	0.11	0.30	±	0.056	
Jun. 2004								
Saitama, SAITAMA	7.6	0.077	±	0.063	0.000	±	0.040	
Kisarazu, CHIBA	7.4	1.6	±	0.13	0.10	±	0.043	
Katsushika, TOKYO	7.1	1.1	±	0.11	0.22	±	0.056	
Tsukui-machi, KANAGAWA	8.2	0.19	±	0.068	0.003	±	0.044	
Inuyama, AICHI	7.1	1.2	±	0.13	0.000	±	0.043	
Moriguchi, OSAKA	7.4	2.1	±	0.16	0.12	±	0.044	
Fukuoka, FUKUOKA	7.2	1.4	±	0.12	0.091	±	0.044	
Jul. 2004								
Nagano, NAGANO	7.7	0.82	±	0.12	0.039	±	0.042	
Kyoto, KYOTO	8.0	1.9	±	0.16	0.000	±	0.039	
(Tap water)								
May 2004								
Nagasaki, NAGASAKI	6.8	1.2	±	0.16	0.080	±	0.054	
Jun. 2004								
Wakkanai, HOKKAIDO	6.7	0.54	±	0.10	0.000	±	0.045	
Aomori, AOMORI	6.6	0.98	±	0.11	0.20	±	0.050	
Akita, AKITA	6.8	2.0	±	0.16	0.000	±	0.047	
Yamagata, YAMAGATA	6.8	1.4	±	0.14	0.035	±	0.041	
Fukushima, FUKUSHIMA	7.1	1.8	±	0.14	0.065	±	0.040	
Mito, IBARAKI	7.55	0.82	±	0.10	0.064	±	0.043	
Maebashi, GUNMA	6.99	1.1	±	0.12	0.035	±	0.045	
Saitama, SAITAMA	6.9	1.1	±	0.12	0.000	±	0.041	
Ichihara, CHIBA	7.5	1.6	±	0.13	0.056	±	0.040	
Katsushika, TOKYO	7.2	1.1	±	0.12	0.016	±	0.048	
Chigasaki, KANAGAWA	7.6	0.44	±	0.083	0.000	±	0.039	
Kosugi-machi, TOYAMA	7.1	1.1	±	0.13	0.033	±	0.040	
Kanazawa, ISHIKAWA	7.31	2.2	±	0.27	0.000	±	0.043	

Location	pH (pH)		Sr-90 (mBq/L)			Cs-137 (mBq/L)	
Fukui, FUKUI	6.7	0.52	±	0.097	0.000	±	0.040
Kofu, YAMANASHI	7.2	0.72	±	0.13	0.028	±	0.041
Nagano, NAGANO	7.6	0.75	±	0.11	0.000	±	0.039
Kakamigahara, GIFU	7.6	0.038	±	0.088	0.000	±	0.044
Shizuoka, SHIZUOKA	7.8	0.33	±	0.090	0.003	±	0.038
Nagoya, AICHI	6.9	1.6	±	0.16	0.089	±	0.045
Yokkaichi, MIE	7.7	3.0	±	0.18	0.14	±	0.050
Otsu, SHIGA	7.4	2.4	±	0.18	0.000	±	0.044
Osaka, OSAKA	7.6	2.1	±	0.15	0.050	±	0.040
Kobe, HYOGO	6.76	1.4	±	0.13	0.028	±	0.043
Nara, NARA	7.5	1.9	±	0.15	0.000	±	0.038
Hawai-machi, TOTTORI	7.25	0.000	±	0.060	0.000	±	0.041
Okayama, OKAYAMA	6.6	1.7	±	0.15	0.033	±	0.039
Hiroshima, HIROSHIMA	7.6	1.6	±	0.16	0.000	±	0.042
Ube, YAMAGUCHI	7.1	1.6	±	0.14	0.000	±	0.038
Tokushima, TOKUSHIMA	6.9	0.94	±	0.11	0.022	±	0.040
Takamatsu, KAGAWA	7.77	2.0	±	0.15	0.000	±	0.040
Matsuyama, EHIME	7.2	1.5	±	0.13	0.015	±	0.043
Fukuoka, FUKUOKA	7.1	1.6	±	0.13	0.050	±	0.041
Saga, SAGA	7.1	1.0	±	0.11	0.073	±	0.042
Oita, OITA	7.4	0.84	±	0.12	0.11	±	0.051
Miyazaki, MIYAZAKI	7.1	1.2	±	0.12	0.10	±	0.042
Kagoshima, KAGOSHIMA	7.3	0.49	±	0.091	0.25	±	0.058
Jul. 2004							
Morioka, IWATE	7.04	1.1	±	0.13	0.000	±	0.038
Kawachi-machi, TOCHIGI	7.26	0.61	±	0.094	0.080	±	0.042
Kyoto, KYOTO	7.6	1.9	±	0.16	0.034	±	0.045
Shingu, WAKAYAMA	7.5	1.1	±	0.15	0.000	±	0.062
Uto, KUMAMOTO	7.63	0.045	±	0.054	0.067	±	0.040
Sep. 2004							
Naha, OKINAWA	7.639	2.7	±	0.19	0.022	±	0.043
Nov. 2004							
Kochi, KOCHI	7.23	1.8	±	0.18	0.000	±	0.042

Location	pH (pH)		Sr-90 (mBq/L)			Cs-137 (mBq/L)	
Dec. 2004 Niigata, NIIGATA	6.7	1.9	±	0.16	0.000	±	0.039

(4) Strontium-90 and Cesium-137 in Fresh water
(from Apr. 2004 to Mar. 2005)

Table (4) : Strontium-90 and Cesium-137 in Fresh water

Location	pH (pH)		Sr-90 (mBq/L)		Cs-137 (mBq/L)		
(Fresh water)							
May 2004							
IBARAKI	8.98	1.8	±	0.15	0.50	±	0.074
Jul. 2004							
Ishikari, HOKKAIDO	7.1	1.3	±	0.12	0.19	±	0.051
Aug. 2004							
Akita, AKITA	6.97	2.8	±	0.21	0.22	±	0.052
Tsuruga, FUKUI	7.11	2.8	±	0.18	1.6	±	0.11
Sep. 2004							
Fukushima, FUKUSHIMA	7.3	0.005	±	0.054	0.000	±	0.040
Oct. 2004							
NAGANO	8.4	0.61	±	0.10	0.051	±	0.043
Seki-machi, MIE	7.5	4.2	±	0.21	0.009	±	0.041
Syobara, HIROSHIMA	7.1	1.2	±	0.15	0.056	±	0.046
Nov. 2004							
Niigata, NIIGATA	6.91	2.3	±	0.17	0.057	±	0.045

(5) Strontium-90 and Cesium-137 in Soil

(from Apr. 2004 to Mar. 2005)

Table (5) : Strontium-90 and Cesium-137 in Soil

Location	Sampling depth (cm)	Sr-90						Cs-137					
		(Bq/kg)			(MBq/km ²)			(Bq/kg)			(MBq/km ²)		
May 2004													
Tokai-mura, IBARAKI	0 - 5	14	±	2.8	950	±	190	49	±	4.1	3400	±	280
Tokai-mura, IBARAKI	5 - 20	2.8	±	1.1	580	±	220	11	±	1.5	2200	±	320
Tahara, AICHI	0 - 5	0.60	±	0.10	21	±	3.6	8.5	±	0.26	300	±	9
Tahara, AICHI	5 - 20	0.47	±	0.097	35	±	7.3	12	±	0.3	880	±	23
Jun. 2004													
Fukushima, FUKUSHIMA	0 - 5	3.1	±	0.21	91	±	6.1	21	±	0.4	610	±	12
Fukushima, FUKUSHIMA	5 - 20	3.0	±	0.21	240	±	17	15	±	0.4	1200	±	30
Jul. 2004													
Aomori, AOMORI	0 - 5	2.3	±	0.19	83	±	6.9	6.2	±	0.23	220	±	8
Aomori, AOMORI	5 - 20	2.2	±	0.19	200	±	17	5.5	±	0.22	500	±	20
Saitama, SAITAMA	0 - 5	1.1	±	0.13	31	±	3.6	6.3	±	0.24	170	±	7
Saitama, SAITAMA	5 - 20	0.57	±	0.10	56	±	10	0.79	±	0.099	78	±	9.8
Ichihara, CHIBA	0 - 5	0.17	±	0.064	7.3	±	2.8	1.1	±	0.10	47	±	4.3
Ichihara, CHIBA	5 - 20	0.077	±	0.054	18	±	13	0.78	±	0.085	190	±	21
Kashiwazaki, NIIGATA	0 - 5	0.92	±	0.12	50	±	6.5	11	±	0.3	600	±	17
Kashiwazaki, NIIGATA	5 - 20	1.2	±	0.14	170	±	20	12	±	0.3	1700	±	40
Kosugi-machi, TOYAMA	0 - 5	0.29	±	0.077	18	±	4.7	0.94	±	0.093	57	±	5.6
Kosugi-machi, TOYAMA	5 - 20	0.21	±	0.070	24	±	7.9	0.28	±	0.058	31	±	6.5
Kanazawa, ISHIKAWA	0 - 5	12	±	0.4	340	±	12	28	±	0.5	820	±	14
Kanazawa, ISHIKAWA	5 - 20	10	±	0.4	1200	±	40	26	±	0.5	2900	±	50
Fukui, FUKUI	0 - 5	0.12	±	0.068	5.1	±	3.0	4.8	±	0.21	210	±	9
Fukui, FUKUI	5 - 20	0.48	±	0.10	76	±	16	2.4	±	0.15	390	±	24
Nagano, NAGANO	0 - 5	3.4	±	0.24	91	±	6.3	25	±	0.5	670	±	13
Nagano, NAGANO	5 - 20	2.0	±	0.19	110	±	10	3.6	±	0.18	200	±	10
Gifu, GIFU	0 - 5	0.30	±	0.082	130	±	37	7.2	±	0.25	3200	±	110
Gifu, GIFU	5 - 20	0.62	±	0.11	180	±	31	7.1	±	0.25	2100	±	70
Gotenba, SHIZUOKA	0 - 5	0.86	±	0.12	25	±	3.4	9.8	±	0.30	290	±	9
Gotenba, SHIZUOKA	5 - 20	0.37	±	0.085	46	±	11	5.6	±	0.22	700	±	27
Komono-machi, MIE	0 - 5	0.049	±	0.061	2.3	±	2.8	0.73	±	0.089	34	±	4.2
Komono-machi, MIE	5 - 20	0.000	±	0.057	0	±	14	0.000	±	0.038	0.0	±	9.1

Location	Sampling depth (cm)	Sr-90				Cs-137			
		(Bq/kg)		(MBq/km ²)		(Bq/kg)		(MBq/km ²)	
Yasu-machi, SHIGA	0 - 5	0.66 ±	0.10	44 ±	6.8	6.1 ±	0.23	410 ±	15
Yasu-machi, SHIGA	5 - 20	0.41 ±	0.087	60 ±	13	2.2 ±	0.14	330 ±	21
Kyoto, KYOTO	0 - 5	0.84 ±	0.11	17 ±	2.4	2.6 ±	0.16	53 ±	3.2
Kyoto, KYOTO	5 - 20	0.79 ±	0.11	220 ±	31	1.1 ±	0.11	320 ±	31
Osaka, OSAKA	0 - 5	0.19 ±	0.065	13 ±	4.4	2.3 ±	0.14	160 ±	10
Osaka, OSAKA	5 - 20	0.44 ±	0.086	76 ±	15	3.0 ±	0.16	520 ±	28
Kasai, HYOGO	0 - 5	3.5 ±	0.22	160 ±	10	26 ±	0.5	1200 ±	20
Kasai, HYOGO	5 - 20	0.92 ±	0.12	120 ±	16	5.3 ±	0.21	700 ±	28
Kashihara, NARA	0 - 5	0.65 ±	0.10	32 ±	5.2	4.2 ±	0.20	210 ±	10
Kashihara, NARA	5 - 20	0.89 ±	0.12	92 ±	13	3.8 ±	0.18	400 ±	19
Kokufu-machi, TOTTORI	0 - 5	0.033 ±	0.057	2.2 ±	3.8	0.55 ±	0.075	36 ±	4.9
Kokufu-machi, TOTTORI	5 - 20	0.021 ±	0.052	2.3 ±	5.9	0.65 ±	0.078	74 ±	8.9
Oda, SHIMANE	0 - 5	7.2 ±	0.31	110 ±	5	17 ±	0.4	260 ±	6
Oda, SHIMANE	5 - 20	3.9 ±	0.23	200 ±	12	10 ±	0.3	550 ±	16
Asahi-machi, OKAYAMA	0 - 5	1.0 ±	0.13	68 ±	8.5	2.1 ±	0.14	140 ±	9
Asahi-machi, OKAYAMA	5 - 20	0.39 ±	0.096	51 ±	12	0.32 ±	0.064	42 ±	8.4
Hiroshima, HIROSHIMA	0 - 5	0.83 ±	0.11	60 ±	7.9	4.9 ±	0.21	360 ±	16
Hiroshima, HIROSHIMA	5 - 20	1.9 ±	0.15	310 ±	25	7.3 ±	0.25	1200 ±	40
Hagi, YAMAGUCHI	0 - 5	0.78 ±	0.11	53 ±	7.8	2.8 ±	0.16	190 ±	11
Hagi, YAMAGUCHI	5 - 20	0.91 ±	0.12	210 ±	28	2.0 ±	0.13	460 ±	30
Kamiita-machi, TOKUSHIMA	0 - 5	0.68 ±	0.11	46 ±	7.2	2.8 ±	0.16	190 ±	11
Kamiita-machi, TOKUSHIMA	5 - 20	0.52 ±	0.095	75 ±	14	1.9 ±	0.13	280 ±	19
Sakaide, KAGAWA	0 - 5	1.4 ±	0.15	51 ±	5.3	5.5 ±	0.22	200 ±	8
Sakaide, KAGAWA	5 - 20	1.6 ±	0.16	130 ±	13	2.2 ±	0.15	170 ±	11
Matsuyama, EHIME	0 - 5	4.9 ±	0.26	94 ±	4.9	23 ±	0.4	440 ±	8
Matsuyama, EHIME	5 - 20	0.72 ±	0.11	43 ±	6.4	21 ±	0.4	1200 ±	20
Kochi, KOCHI	0 - 5	3.4 ±	0.21	51 ±	3.2	16 ±	0.4	240 ±	6
Kochi, KOCHI	5 - 20	3.7 ±	0.22	120 ±	7	11 ±	0.3	370 ±	10
Fukuoka, FUKUOKA	0 - 5	3.2 ±	0.22	270 ±	18	2.7 ±	0.15	220 ±	12
Fukuoka, FUKUOKA	5 - 20	3.6 ±	0.23	520 ±	33	0.48 ±	0.069	69 ±	9.9
Obama-machi, NAGASAKI	0 - 5	2.1 ±	0.18	51 ±	4.3	35 ±	0.5	840 ±	13
Obama-machi, NAGASAKI	5 - 20	2.9 ±	0.21	170 ±	13	13 ±	0.3	800 ±	20
Nishihara-mura, KUMAMOTO	0 - 5	3.5 ±	0.23	65 ±	4.2	47 ±	0.6	890 ±	12
Nishihara-mura, KUMAMOTO	5 - 20	2.9 ±	0.21	190 ±	14	13 ±	0.3	870 ±	23

Location	Sampling depth (cm)	Sr-90				Cs-137				
		(Bq/kg)		(MBq/km ²)		(Bq/kg)		(MBq/km ²)		
Kuju-machi, OITA	0 - 5	1.5 ±	0.15	19 ±	1.8	58 ±	0.7	700 ±	8	
Kuju-machi, OITA	5 - 20	1.6 ±	0.16	91 ±	8.7	17 ±	0.4	930 ±	21	
Sadowara-machi, MIYAZAKI	0 - 5	0.84 ±	0.12	46 ±	6.4	2.0 ±	0.14	110 ±	7	
Sadowara-machi, MIYAZAKI	5 - 20	0.94 ±	0.12	240 ±	31	2.1 ±	0.14	540 ±	36	
Naha, OKINAWA	0 - 5	0.73 ±	0.11	33 ±	5.0	4.0 ±	0.20	180 ±	9	
Naha, OKINAWA	5 - 20	1.1 ±	0.13	130 ±	15	3.2 ±	0.17	380 ±	21	
Aug. 2004										
Sapporo, HOKKAIDO	0 - 5	4.2 ±	0.24	62 ±	3.5	21 ±	0.4	300 ±	6	
Sapporo, HOKKAIDO	5 - 20	4.6 ±	0.25	410 ±	22	9.4 ±	0.29	850 ±	26	
Takizawa-mura, IWATE	0 - 5	7.0 ±	0.30	160 ±	7	71 ±	0.8	1600 ±	20	
Takizawa-mura, IWATE	5 - 20	7.2 ±	0.32	620 ±	28	15 ±	0.4	1300 ±	30	
Yamagata, YAMAGATA	0 - 5	2.7 ±	0.19	110 ±	8	16 ±	0.4	660 ±	15	
Yamagata, YAMAGATA	5 - 20	1.9 ±	0.16	200 ±	17	5.2 ±	0.22	570 ±	24	
Imaichi, TOCHIGI	0 - 5	16 ±	0.5	210 ±	6	39 ±	0.6	480 ±	7	
Imaichi, TOCHIGI	5 - 20	4.7 ±	0.25	160 ±	8	14 ±	0.3	470 ±	11	
Maebashi, GUNMA	0 - 5	0.58 ±	0.10	28 ±	5.0	2.4 ±	0.14	110 ±	7	
Shinjuku, TOKYO	0 - 5	1.1 ±	0.14	34 ±	4.5	4.1 ±	0.20	130 ±	6	
Shinjuku, TOKYO	5 - 20	1.0 ±	0.14	80 ±	11	3.1 ±	0.18	240 ±	14	
Yokohama, KANAGAWA	0 - 5	0.76 ±	0.11	23 ±	3.4	1.5 ±	0.12	45 ±	3.6	
Yokohama, KANAGAWA	5 - 20	0.77 ±	0.11	80 ±	12	1.5 ±	0.12	150 ±	12	
Takane-machi, YAMANASHI	0 - 5	5.5 ±	0.30	140 ±	7	18 ±	0.4	440 ±	10	
Takane-machi, YAMANASHI	5 - 20	6.4 ±	0.31	490 ±	23	17 ±	0.4	1300 ±	30	
Shingu, WAKAYAMA	0 - 5	0.099 ±	0.064	4.6 ±	3.0	1.2 ±	0.11	58 ±	5.0	
Shingu, WAKAYAMA	5 - 20	0.18 ±	0.070	27 ±	11	0.38 ±	0.065	60 ±	10	
Saga, SAGA	0 - 5	0.16 ±	0.071	5.6 ±	2.5	0.97 ±	0.10	34 ±	3.5	
Saga, SAGA	5 - 20	0.13 ±	0.069	9.6 ±	5.1	0.35 ±	0.067	26 ±	4.9	
Sep. 2004										
Mutsu, AOMORI	0 - 5	0.50 ±	0.089	14 ±	2.5	4.1 ±	0.19	120 ±	5	
Mutsu, AOMORI	5 - 20	0.66 ±	0.10	100 ±	16	0.86 ±	0.097	140 ±	15	
Iwadeyama-machi, MIYAGI	0 - 5	2.0 ±	0.17	75 ±	6.2	4.0 ±	0.19	150 ±	7	
Iwadeyama-machi, MIYAGI	5 - 20	1.7 ±	0.16	310 ±	29	3.2 ±	0.17	600 ±	31	
Kaimon-machi, KAGOSHIMA	0 - 5	0.14 ±	0.064	9.6 ±	4.3	0.46 ±	0.068	31 ±	4.6	
Kaimon-machi, KAGOSHIMA	5 - 20	0.29 ±	0.078	38 ±	10	1.2 ±	0.10	150 ±	13	

Location	Sampling depth (cm)	Sr-90				Cs-137			
		(Bq/kg)		(MBq/km ²)		(Bq/kg)		(MBq/km ²)	
Oct. 2004									
Akita, AKITA	0 - 5	2.2 ±	0.18	51 ±	4.1	24 ±	0.5	550 ±	10
Akita, AKITA	5 - 20	2.9 ±	0.20	270 ±	19	18 ±	0.4	1700 ±	40

(6) Strontium-90 and Cesium-137 in Seawater
(from Apr. 2004 to Mar. 2005)

Table (6) : Strontium-90 and Cesium-137 in Seawater

Location	Sample Volume analyzed (L)	Cl (‰)	Sr-90			Cs-137		
			(mBq/L)			(mBq/L)		
Jun. 2004								
Yoichi-bay, HOKKAIDO	40	18.46	1.3	±	0.28	2.1	±	0.31
Jul. 2004								
Mutsu, AOMORI	40	18.3	1.5	±	0.31	1.6	±	0.31
Mutsu-bay, AOMORI	40	16.9	1.5	±	0.31	2.1	±	0.35
Taneichi-machi, IWATE	40	18.2	1.0	±	0.27	2.2	±	0.32
Soma, FUKUSHIMA	40	18.63	1.1	±	0.28	1.8	±	0.29
Tokai-mura, IBARAKI	40	16.92	1.5	±	0.31	2.2	±	0.32
Ichihara, CHIBA	40	18	1.4	±	0.31	2.1	±	0.33
Niigata, NIIGATA	40	18.5	1.7	±	0.31	2.0	±	0.30
Osaka-Port, OSAKA	40	14.95	1.8	±	0.32	1.2	±	0.27
Aug. 2004								
Odawa-bay, KANAGAWA	50	17.36	1.5	±	0.31	1.9	±	0.33
Tokoname, AICHI	40	18.4	1.3	±	0.30	1.4	±	0.29
Yamaguchi-bay, YAMAGUCHI	40	16.4	1.4	±	0.32	1.9	±	0.32
Kitakyusyu, FUKUOKA	40	21.5	1.7	±	0.31	1.6	±	0.31
Sep. 2004								
Kaseda, KAGOSHIMA	40	17.40	1.4	±	0.28	1.8	±	0.31
Nov. 2004								
White-beach, OKINAWA	40	18.97	1.4	±	0.30	1.7	±	0.32

(7) Strontium-90 and Cesium-137 in Sea sediments

(from Apr. 2004 to Mar. 2005)

Table (7) : Strontium-90 and Cesium-137 in Sea sediments

Location	Depth (m)		Sr-90 (Bq/kg)			Cs-137 (Bq/kg)	
Jun. 2004							
Yoichi-bay, HOKKAIDO	13	0.038	±	0.042	0.33	±	0.064
Jul. 2004							
Mutsu, AOMORI	14.9	0.030	±	0.054	0.040	±	0.040
Mutsu-bay, AOMORI	14.0	0.14	±	0.063	4.5	±	0.20
Soma, FUKUSHIMA	5	0.098	±	0.048	0.044	±	0.043
Tokai-mura, IBARAKI	10	0.006	±	0.038	0.18	±	0.057
Ichihara, CHIBA	16.4	0.078	±	0.048	2.9	±	0.16
Niigata, NIIGATA	27.0	0.030	±	0.054	1.3	±	0.11
Osaka-Port, OSAKA	16.8	0.061	±	0.048	1.6	±	0.12
Aug. 2004							
Odawa-bay, KANAGAWA	7.0	0.086	±	0.047	1.3	±	0.11
Tokoname, AICHI	23.2	0.17	±	0.062	2.6	±	0.16
Yamaguchi-bay, YAMAGUCHI	12.9	0.042	±	0.055	2.5	±	0.15
Kitakyusyu, FUKUOKA	5	0.14	±	0.059	1.5	±	0.12
Sep. 2004							
Kaseda, KAGOSHIMA	7.0	0.000	±	0.039	0.097	±	0.046
Nov. 2004							
White-beach, OKINAWA	13.6	0.088	±	0.058	0.075	±	0.047

(8) Strontium-90 and Cesium-137 in Total diet
(from Apr. 2004 to Mar. 2005)

Table (8) : Strontium-90 and Cesium-137 in Total diet

Location	(p/d : person/day)													
	Ash (g/p/d)	Ca (mg/p/d)	K (mg/p/d)	Sr-90						Cs-137				
				(Bq/p/d)		(Bq/g Ca)		(Bq/p/d)		(Bq/g K)				
May 2004														
Gifu, GIFU	17.0	532	1970	0.031	± 0.0079	0.058	± 0.015	0.031	± 0.0063	0.015	± 0.0032			
Jun. 2004														
Sapporo, HOKKAIDO	14.0	389	1940	0.021	± 0.0065	0.054	± 0.017	0.023	± 0.0055	0.012	± 0.0028			
Aomori, AOMORI	19.2	778	2970	0.12	± 0.014	0.15	± 0.018	0.050	± 0.0074	0.017	± 0.0025			
Morioka, IWATE	14.5	494	1340	0.013	± 0.0063	0.027	± 0.013	0.020	± 0.0058	0.015	± 0.0043			
Yamagata, YAMAGATA	13.0	457	1680	0.043	± 0.0097	0.094	± 0.021	0.014	± 0.0051	0.0084	± 0.0030			
Fukushima, FUKUSHIMA	14.2	415	1990	0.023	± 0.0079	0.056	± 0.019	0.022	± 0.0055	0.011	± 0.0027			
Mito, IBARAKI	13.6	396	1480	0.031	± 0.0084	0.078	± 0.021	0.014	± 0.0048	0.0094	± 0.0033			
Utsunomiya, TOCHIGI	15.6	481	2200	0.046	± 0.0097	0.095	± 0.020	0.036	± 0.0066	0.016	± 0.0030			
Maebashi, GUNMA	14.4	491	1840	0.037	± 0.0090	0.075	± 0.018	0.014	± 0.0050	0.0075	± 0.0027			
Saitama, SAITAMA	14.6	497	2160	0.029	± 0.0085	0.057	± 0.017	0.022	± 0.0057	0.010	± 0.0026			
Chiba, CHIBA	16.3	432	2430	0.028	± 0.0083	0.065	± 0.019	0.050	± 0.0073	0.021	± 0.0030			
Shinjuku, TOKYO	12.4	352	1810	0.024	± 0.0067	0.069	± 0.019	0.020	± 0.0051	0.011	± 0.0028			
Nishikawa-machi, NIIGATA	17.5	532	2470	0.047	± 0.0093	0.088	± 0.018	0.017	± 0.0053	0.0067	± 0.0022			
Toyama, TOYAMA	14.1	406	1900	0.019	± 0.0070	0.047	± 0.017	0.033	± 0.0061	0.017	± 0.0032			
Kanazawa, ISHIKAWA	15.4	405	1810	0.025	± 0.0080	0.061	± 0.020	0.023	± 0.0055	0.013	± 0.0031			
Fukui, FUKUI	13.4	326	1380	0.043	± 0.0094	0.13	± 0.029	0.0039	± 0.0039	0.0028	± 0.0028			
Kofu, YAMANASHI	11.8	516	1780	0.033	± 0.0084	0.064	± 0.016	0.039	± 0.0063	0.022	± 0.0036			
Nagano, NAGANO	15.8	555	2040	0.030	± 0.0073	0.055	± 0.013	0.021	± 0.0052	0.010	± 0.0026			
Shizuoka, SHIZUOKA	20.2	3090	1900	0.028	± 0.0080	0.0091	± 0.0026	0.024	± 0.0058	0.013	± 0.0030			
Nagoya, AICHI	13.3	348	1890	0.038	± 0.0086	0.11	± 0.025	0.027	± 0.0060	0.014	± 0.0032			
Tsu, MIE	12.3	569	1640	0.034	± 0.0077	0.059	± 0.014	0.017	± 0.0050	0.010	± 0.0031			
Otsu, SHIGA	16.0	564	2420	0.024	± 0.0079	0.042	± 0.014	0.038	± 0.0067	0.016	± 0.0028			
Kyoto, KYOTO	9.63	349	1190	0.010	± 0.0067	0.030	± 0.019	0.014	± 0.0048	0.011	± 0.0040			
Osaka, OSAKA	15.2	543	2620	0.049	± 0.0098	0.090	± 0.018	0.033	± 0.0065	0.012	± 0.0025			
Kakogawa, HYOGO	12.6	521	1950	0.031	± 0.0080	0.060	± 0.015	0.026	± 0.0063	0.014	± 0.0032			
Kashihara, NARA	9.94	578	1500	0.031	± 0.0079	0.054	± 0.014	0.036	± 0.0068	0.024	± 0.0045			
Tottori, TOTTORI	9.55	251	1320	0.029	± 0.0080	0.11	± 0.032	0.019	± 0.0049	0.014	± 0.0037			
Matsue, SHIMANE	13.8	616	2070	0.040	± 0.0094	0.065	± 0.015	0.011	± 0.0047	0.0053	± 0.0023			
Okayama, OKAYAMA	15.0	542	1790	0.046	± 0.010	0.084	± 0.019	0.022	± 0.0055	0.012	± 0.0031			
Hiroshima, HIROSHIMA	13.6	289	1810	0.029	± 0.0079	0.10	± 0.027	0.0096	± 0.0049	0.0053	± 0.0027			
Yamaguchi, YAMAGUCHI	14.6	313	1950	0.034	± 0.0083	0.11	± 0.026	0.027	± 0.0059	0.014	± 0.0030			

Location	Ash (g/p/d)	Ca (mg/p/d)	K (mg/p/d)	Sr-90					Cs-137				
				(Bq/p/d)		(Bq/g Ca)			(Bq/p/d)		(Bq/g K)		
Tokushima, TOKUSHIMA	8.36	284	1310	0.020	± 0.0072	0.071	± 0.025	0.020	± 0.0053	0.015	± 0.0041		
Takamatsu, KAGAWA	12.5	337	1780	0.033	± 0.0079	0.098	± 0.023	0.015	± 0.0050	0.0086	± 0.0028		
Matsuyama, EHIME	13.4	337	2070	0.037	± 0.0091	0.11	± 0.027	0.022	± 0.0055	0.010	± 0.0027		
Kochi, KOCHI	13.5	432	2510	0.039	± 0.0097	0.090	± 0.022	0.23	± 0.014	0.092	± 0.0057		
Dazaifu, FUKUOKA	16.0	551	1900	0.015	± 0.0078	0.028	± 0.014	0.033	± 0.0062	0.018	± 0.0033		
Saga, SAGA	12.4	264	1340	0.035	± 0.0089	0.13	± 0.034	0.014	± 0.0048	0.011	± 0.0036		
Nagasaki, NAGASAKI	15.1	490	1840	0.028	± 0.0085	0.058	± 0.017	0.016	± 0.0051	0.0090	± 0.0028		
Kumamoto, KUMAMOTO	15.9	396	2500	0.029	± 0.0077	0.073	± 0.020	0.022	± 0.0057	0.0087	± 0.0023		
Oita, OITA	10.6	397	1470	0.0080	± 0.0060	0.020	± 0.015	0.016	± 0.0048	0.011	± 0.0032		
Miyazaki, MIYAZAKI	16.0	536	2060	0.038	± 0.0088	0.070	± 0.016	0.027	± 0.0059	0.013	± 0.0028		
Sendai, KAGOSHIMA	15.3	460	2150	0.048	± 0.0098	0.10	± 0.021	0.042	± 0.0067	0.020	± 0.0031		
Jul. 2004													
Akita, AKITA	10.3	278	1220	0.022	± 0.0075	0.080	± 0.027	0.019	± 0.0050	0.016	± 0.0041		
Hiratsuka, KANAGAWA	14.2	476	2100	0.049	± 0.0097	0.10	± 0.020	0.031	± 0.0061	0.015	± 0.0029		
Wakayama, WAKAYAMA	14.2	370	1480	0.039	± 0.0096	0.11	± 0.026	0.023	± 0.0059	0.016	± 0.0040		
Naha, OKINAWA	14.2	474	1820	0.044	± 0.0084	0.092	± 0.018	0.025	± 0.0056	0.014	± 0.0031		
Aug. 2004													
Ishinomaki, MIYAGI	20.0	1150	2560	0.048	± 0.0096	0.042	± 0.0083	0.025	± 0.0060	0.0098	± 0.0023		
Oct. 2004													
Nagasaki, NAGASAKI	13.1	363	1290	0.023	± 0.0086	0.065	± 0.024	0.022	± 0.0054	0.017	± 0.0041		
Nov. 2004													
Yamagata, YAMAGATA	13.0	352	1280	0.018	± 0.0063	0.051	± 0.018	0.026	± 0.0056	0.020	± 0.0044		
Fukushima, FUKUSHIMA	13.8	620	1900	0.052	± 0.010	0.083	± 0.016	0.017	± 0.0052	0.0090	± 0.0027		
Saitama, SAITAMA	15.1	509	2340	0.050	± 0.010	0.098	± 0.020	0.039	± 0.0069	0.017	± 0.0030		
Toyama, TOYAMA	12.0	299	1600	0.025	± 0.0078	0.082	± 0.026	0.025	± 0.0057	0.016	± 0.0036		
Fukui, FUKUI	11.6	322	1690	0.026	± 0.0080	0.082	± 0.025	0.018	± 0.0052	0.010	± 0.0031		
Nagano, NAGANO	15.6	501	2260	0.054	± 0.0099	0.11	± 0.020	0.036	± 0.0067	0.016	± 0.0030		
Gifu, GIFU	15.0	476	1900	0.033	± 0.0080	0.070	± 0.017	0.027	± 0.0056	0.014	± 0.0029		
Shizuoka, SHIZUOKA	16.5	458	2310	0.041	± 0.0086	0.090	± 0.019	0.024	± 0.0055	0.011	± 0.0024		
Nagoya, AICHI	13.2	350	1850	0.034	± 0.0076	0.097	± 0.022	0.028	± 0.0056	0.015	± 0.0030		
Kashihara, NARA	9.45	490	1320	0.019	± 0.0078	0.039	± 0.016	0.0076	± 0.0043	0.0058	± 0.0032		
Wakayama, WAKAYAMA	12.1	394	1170	0.034	± 0.0076	0.085	± 0.019	0.0066	± 0.0039	0.0056	± 0.0034		
Tottori, TOTTORI	11.9	925	1700	0.025	± 0.0081	0.027	± 0.0088	0.014	± 0.0053	0.0084	± 0.0031		
Matsue, SHIMANE	15.5	674	2300	0.052	± 0.0093	0.076	± 0.014	0.033	± 0.0066	0.014	± 0.0029		
Okayama, OKAYAMA	16.0	543	1900	0.038	± 0.0090	0.071	± 0.017	0.027	± 0.0057	0.014	± 0.0030		
Matsuyama, EHIME	16.2	636	1890	0.023	± 0.0065	0.037	± 0.010	0.038	± 0.0064	0.020	± 0.0034		

Location	Ash (g/p/d)	Ca (mg/p/d)	K (mg/p/d)	Sr-90					Cs-137				
				(Bq/p/d)		(Bq/g Ca)			(Bq/p/d)		(Bq/g K)		
Kochi, KOCHI	14.9	365	2240	0.047	± 0.0088	0.13	± 0.024	0.043	± 0.0068	0.019	± 0.0030		
Dazaifu, FUKUOKA	13.2	513	1820	0.044	± 0.0088	0.086	± 0.017	0.033	± 0.0061	0.018	± 0.0034		
Oita, OITA	9.83	218	1200	0.019	± 0.0074	0.086	± 0.034	0.015	± 0.0052	0.013	± 0.0043		
Satsumasendai, KAGOSHIMA	15.6	623	1510	0.041	± 0.0082	0.066	± 0.013	0.027	± 0.0058	0.018	± 0.0038		
Dec. 2004													
Sapporo, HOKKAIDO	15.7	675	2040	0.024	± 0.0069	0.036	± 0.010	0.020	± 0.0052	0.010	± 0.0026		
Aomori, AOMORI	17.1	648	2830	0.048	± 0.0099	0.074	± 0.015	0.043	± 0.0071	0.015	± 0.0025		
Morioka, IWATE	10.4	386	1250	0.026	± 0.0085	0.066	± 0.022	0.022	± 0.0053	0.017	± 0.0042		
Ishinomaki, MIYAGI	17.2	714	2210	0.034	± 0.0078	0.048	± 0.011	0.016	± 0.0049	0.0073	± 0.0022		
Akita, AKITA	11.2	315	1310	0.030	± 0.0088	0.095	± 0.028	0.013	± 0.0047	0.010	± 0.0036		
Mito, IBARAKI	14.9	522	1440	0.037	± 0.0084	0.070	± 0.016	0.026	± 0.0059	0.018	± 0.0041		
Utsunomiya, TOCHIGI	17.4	531	2890	0.037	± 0.0084	0.069	± 0.016	0.030	± 0.0060	0.011	± 0.0021		
Maebashi, GUNMA	18.1	568	2860	0.041	± 0.0086	0.072	± 0.015	0.049	± 0.0073	0.017	± 0.0026		
Chiba, CHIBA	17.1	645	2360	0.065	± 0.011	0.10	± 0.017	0.021	± 0.0056	0.0091	± 0.0024		
Shinjuku, TOKYO	14.2	455	2260	0.043	± 0.0085	0.094	± 0.019	0.018	± 0.0050	0.0078	± 0.0022		
Hiratsuka, KANAGAWA	11.6	372	1860	0.022	± 0.0075	0.060	± 0.020	0.021	± 0.0055	0.011	± 0.0029		
Nishikawa-machi, NIIGATA	18.4	656	2480	0.027	± 0.0072	0.041	± 0.011	0.018	± 0.0056	0.0071	± 0.0022		
Kanazawa, ISHIKAWA	10.9	294	1600	0.022	± 0.0072	0.074	± 0.024	0.020	± 0.0051	0.012	± 0.0032		
Kofu, YAMANASHI	12.8	435	1750	0.025	± 0.0077	0.057	± 0.018	0.037	± 0.0065	0.021	± 0.0037		
Tsu, MIE	16.7	429	1840	0.020	± 0.0069	0.046	± 0.016	0.059	± 0.0076	0.032	± 0.0042		
Otsu, SHIGA	12.5	423	2150	0.039	± 0.0087	0.092	± 0.021	0.028	± 0.0060	0.013	± 0.0028		
Kyoto, KYOTO	13.3	658	1600	0.019	± 0.0073	0.029	± 0.011	0.015	± 0.0050	0.0094	± 0.0032		
Osaka, OSAKA	16.6	692	2400	0.061	± 0.011	0.088	± 0.016	0.040	± 0.0069	0.017	± 0.0029		
Kakogawa, HYOGO	11.4	530	1610	0.019	± 0.0071	0.036	± 0.013	0.018	± 0.0053	0.011	± 0.0033		
Hiroshima, HIROSHIMA	14.2	336	1650	0.014	± 0.0071	0.041	± 0.021	0.028	± 0.0061	0.017	± 0.0037		
Yamaguchi, YAMAGUCHI	14.2	388	2040	0.033	± 0.0094	0.085	± 0.024	0.020	± 0.0052	0.0096	± 0.0025		
Tokushima, TOKUSHIMA	9.59	297	1190	0.032	± 0.0094	0.11	± 0.032	0.011	± 0.0046	0.0091	± 0.0038		
Takamatsu, KAGAWA	13.9	335	1820	0.033	± 0.0084	0.10	± 0.025	0.021	± 0.0053	0.012	± 0.0029		
Saga, SAGA	12.6	289	1660	0.022	± 0.0074	0.075	± 0.025	0.022	± 0.0055	0.013	± 0.0033		
Kumamoto, KUMAMOTO	14.6	494	2490	0.024	± 0.0079	0.049	± 0.016	0.031	± 0.0060	0.012	± 0.0024		
Miyazaki, MIYAZAKI	15.3	607	2000	0.039	± 0.0092	0.065	± 0.015	0.022	± 0.0055	0.011	± 0.0028		
Feb. 2005													
Naha, OKINAWA	13.9	331	1710	0.050	± 0.0086	0.15	± 0.026	0.019	± 0.0049	0.011	± 0.0029		

(9)-1

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

(from Apr. 2004 to Mar. 2005)

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

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90					Cs-137			
				(Bq/kg wet)		(Bq/g Ca)			(Bq/kg wet)		(Bq/g K)	
Aug. 2004												
Koshi-machi, KUMAMOTO	0.590	0.041	0.820	0.0047 ±	0.0052	0.12 ±	0.13	0.0000 ±	0.0033	0.0000 ±	0.0040	
Sadowara-machi, MIYAZAKI	0.675	0.045	1.11	0.0000 ±	0.0060	0.00 ±	0.14	0.0000 ±	0.0031	0.0000 ±	0.0028	
Sep. 2004												
Chiba, CHIBA	0.552	0.039	0.679	0.0090 ±	0.0060	0.23 ±	0.16	0.0016 ±	0.0033	0.0023 ±	0.0048	
Matsusaka, MIE	0.503	0.044	0.760	0.0067 ±	0.0055	0.15 ±	0.13	0.0000 ±	0.0031	0.0000 ±	0.0041	
Miki-machi, KAGAWA	0.597	0.043	0.752	0.0048 ±	0.0050	0.11 ±	0.12	0.0000 ±	0.0032	0.0000 ±	0.0043	
Oct. 2004												
Mito, IBARAKI	0.793	0.046	0.579	0.0000 ±	0.0054	0.00 ±	0.12	0.016 ±	0.0048	0.027 ±	0.0083	
Maki-machi, NIIGATA	0.634	0.045	0.805	0.0000 ±	0.0053	0.00 ±	0.12	0.024 ±	0.0054	0.030 ±	0.0067	
Kosugi-machi, TOYAMA	0.615	0.055	0.886	0.014 ±	0.0063	0.26 ±	0.11	0.0034 ±	0.0040	0.0038 ±	0.0045	
Uchinada-machi, ISHIKAWA	0.676	0.047	0.804	0.0051 ±	0.0049	0.11 ±	0.10	0.0085 ±	0.0040	0.011 ±	0.0050	
Toyoshina-machi, NAGANO	0.569	0.041	0.734	0.0000 ±	0.0060	0.00 ±	0.15	0.0008 ±	0.0036	0.0011 ±	0.0049	
Gifu, GIFU	0.669	0.052	1.03	0.0000 ±	0.0053	0.00 ±	0.10	0.0025 ±	0.0039	0.0024 ±	0.0038	
Shiga-machi, SHIGA	0.707	0.039	0.411	0.0033 ±	0.0057	0.09 ±	0.15	0.0082 ±	0.0040	0.020 ±	0.0097	
Yamaguchi, YAMAGUCHI	0.776	0.057	0.861	0.0026 ±	0.0054	0.046 ±	0.096	0.0073 ±	0.0040	0.0085 ±	0.0046	
Nov. 2004												
Ishikari, HOKKAIDO	0.732	0.044	0.791	0.0077 ±	0.0052	0.18 ±	0.12	0.0051 ±	0.0036	0.0065 ±	0.0046	
Takizawa-mura, IWATE	0.646	0.044	0.879	0.0007 ±	0.0057	0.01 ±	0.13	0.051 ±	0.0073	0.058 ±	0.0083	
Ishinomaki, MIYAGI	0.608	0.044	0.742	0.0054 ±	0.0054	0.12 ±	0.12	0.0008 ±	0.0033	0.0010 ±	0.0044	
Fukushima, FUKUSHIMA	0.591	0.042	0.674	0.0000 ±	0.0046	0.00 ±	0.11	0.0039 ±	0.0036	0.0057 ±	0.0053	
Utsunomiya, TOCHIGI	0.726	0.044	0.777	0.0006 ±	0.0054	0.01 ±	0.12	0.012 ±	0.0045	0.016 ±	0.0058	
Kashihara, NARA	0.621	0.045	0.633	0.0000 ±	0.0033	0.000 ±	0.072	0.0000 ±	0.0033	0.0000 ±	0.0052	
Usa, OITA	0.748	0.042	0.698	0.0026 ±	0.0054	0.06 ±	0.13	0.0000 ±	0.0036	0.0000 ±	0.0051	
Dec. 2004												
Maebashi, GUNMA	0.660	0.050	0.838	0.0000 ±	0.0038	0.000 ±	0.076	0.018 ±	0.0051	0.021 ±	0.0061	
Hokuto, YAMANASHI	0.631	0.042	1.01	0.0027 ±	0.0050	0.06 ±	0.12	0.012 ±	0.0046	0.012 ±	0.0046	
Kasai, HYOGO	0.655	0.050	0.614	0.0006 ±	0.0056	0.01 ±	0.11	0.0037 ±	0.0038	0.0060 ±	0.0063	
Chikushino, FUKUOKA	0.743	0.056	0.594	0.0000 ±	0.0044	0.000 ±	0.079	0.019 ±	0.0055	0.032 ±	0.0092	
Saga, SAGA	0.630	0.047	0.610	0.0026 ±	0.0053	0.05 ±	0.11	0.020 ±	0.0053	0.033 ±	0.0087	

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90			Cs-137	
				(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)	
Jan. 2005 Ishii-machi, TOKUSHIMA	0.485	0.047	0.698	0.0000 ± 0.0044	0.000 ± 0.095	0.0024 ± 0.0037	0.0035 ± 0.0053	

(9)-2

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

(from Apr. 2004 to Mar. 2005)

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

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90					Cs-137				
				(Bq/kg wet)		(Bq/g Ca)			(Bq/kg wet)		(Bq/g K)		
Oct. 2004													
Sapporo, HOKKAIDO	0.687	0.045	0.921	0.0078 ±	0.0065	0.17 ±	0.15	0.0076 ±	0.0040	0.0083 ±	0.0044		
Akita, AKITA	0.668	0.042	0.768	0.013 ±	0.0059	0.31 ±	0.14	0.019 ±	0.0049	0.024 ±	0.0063		
Saitama, SAITAMA	0.698	0.045	0.607	0.0098 ±	0.0053	0.22 ±	0.12	0.0000 ±	0.0028	0.0000 ±	0.0047		
Shinjuku, TOKYO	0.600	0.050	0.708	0.0034 ±	0.0057	0.07 ±	0.12	0.042 ±	0.0066	0.060 ±	0.0094		
Chigasaki, KANAGAWA	0.529	0.043	0.714	0.0090 ±	0.0060	0.21 ±	0.14	0.012 ±	0.0043	0.017 ±	0.0060		
Niigata, NIIGATA	0.662	0.043	0.630	0.0065 ±	0.0059	0.15 ±	0.14	0.0064 ±	0.0038	0.010 ±	0.0061		
Fukui, FUKUI	0.718	0.040	0.716	0.0000 ±	0.0057	0.00 ±	0.14	0.0067 ±	0.0040	0.0093 ±	0.0056		
Kyoto, KYOTO	0.590	0.037	0.620	0.0012 ±	0.0049	0.03 ±	0.13	0.0020 ±	0.0036	0.0032 ±	0.0058		
Shingu, WAKAYAMA	0.638	0.042	0.664	0.0020 ±	0.0056	0.05 ±	0.13	0.030 ±	0.0058	0.046 ±	0.0087		
Hiroshima, HIROSHIMA	0.812	0.045	0.697	0.014 ±	0.0058	0.31 ±	0.13	0.0028 ±	0.0034	0.0040 ±	0.0049		
Nov. 2004													
Yamagata, YAMAGATA	0.626	0.050	0.664	0.0059 ±	0.0052	0.12 ±	0.10	0.0012 ±	0.0036	0.0018 ±	0.0054		
Shizuoka, SHIZUOKA	0.666	0.039	0.637	0.0000 ±	0.0056	0.00 ±	0.14	0.0016 ±	0.0038	0.0025 ±	0.0059		
Osaka, OSAKA	0.504	0.041	0.690	0.0042 ±	0.0044	0.10 ±	0.11	0.0041 ±	0.0038	0.0059 ±	0.0055		
Kobe, HYOGO	0.593	0.047	0.789	0.0032 ±	0.0059	0.07 ±	0.13	0.054 ±	0.0073	0.068 ±	0.0092		
Dec. 2004													
Nagoya, AICHI	0.762	0.048	0.663	0.0056 ±	0.0068	0.12 ±	0.14	0.027 ±	0.0058	0.041 ±	0.0087		
Kurayoshi, TOTTORI	0.679	0.043	0.583	0.0006 ±	0.0039	0.014 ±	0.093	0.063 ±	0.0078	0.11 ±	0.013		
Matsue, SHIMANE	0.725	0.042	0.848	0.0047 ±	0.0052	0.11 ±	0.12	0.042 ±	0.0068	0.049 ±	0.0080		
Seto-machi, OKAYAMA	0.529	0.044	0.772	0.0000 ±	0.0044	0.000 ±	0.099	0.034 ±	0.0061	0.044 ±	0.0079		
Matsuyama, EHIME	0.605	0.038	0.623	0.0057 ±	0.0057	0.15 ±	0.15	0.0080 ±	0.0041	0.013 ±	0.0066		
Kasuga, FUKUOKA	0.614	0.042	0.675	0.0053 ±	0.0058	0.13 ±	0.14	0.0039 ±	0.0040	0.0058 ±	0.0059		
Kagoshima, KAGOSHIMA	0.550	0.045	0.633	0.0053 ±	0.0053	0.12 ±	0.12	0.018 ±	0.0052	0.029 ±	0.0083		
Yonashiro-machi, OKINAWA	0.586	0.045	0.803	0.0019 ±	0.0042	0.042 ±	0.094	0.0032 ±	0.0037	0.0040 ±	0.0046		
Jan. 2005													
Hirosaki, AOMORI	0.546	0.052	0.846	0.0025 ±	0.0049	0.047 ±	0.093	0.015 ±	0.0049	0.017 ±	0.0058		
Kochi, KOCHI	0.577	0.041	0.669	0.0064 ±	0.0057	0.16 ±	0.14	0.0000 ±	0.0030	0.0000 ±	0.0044		
Nagasaki, NAGASAKI	0.499	0.041	0.773	0.0063 ±	0.0052	0.15 ±	0.13	0.0000 ±	0.0033	0.0000 ±	0.0043		

(10)-1

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

(from Apr. 2004 to Mar. 2005)

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

Location	Ash (w/v%)	Ca (g/L)	K (g/L)	Sr-90					Cs-137					
				(Bq/L)		(Bq/g Ca)			(Bq/L)		(Bq/g K)			
May 2004														
Sapporo, HOKKAIDO	0.728	1.14	1.61	0.028	± 0.0070	0.025	± 0.0061	0.043	± 0.0067	0.027	± 0.0042			
Aug. 2004														
Aomori, AOMORI	0.736	1.11	1.63	0.033	± 0.0083	0.030	± 0.0074	0.036	± 0.0065	0.022	± 0.0040			
Takizawa-mura, IWATE	0.741	1.06	1.64	0.036	± 0.0077	0.034	± 0.0073	0.059	± 0.0074	0.036	± 0.0045			
Mito, IBARAKI	0.717	1.06	1.61	0.013	± 0.0056	0.012	± 0.0053	0.0000	± 0.0038	0.0000	± 0.0024			
Nishinasuno-machi, TOCHIGI	0.733	1.13	1.59	0.029	± 0.0078	0.026	± 0.0069	0.018	± 0.0047	0.011	± 0.0029			
Fujimi-mura, GUNMA	0.718	1.08	1.57	0.016	± 0.0066	0.015	± 0.0061	0.016	± 0.0043	0.0099	± 0.0028			
Yachimata, CHIBA	0.737	1.06	1.59	0.0035	± 0.0050	0.0034	± 0.0048	0.011	± 0.0039	0.0069	± 0.0025			
Hachijo-machi, TOKYO	0.718	1.05	1.46	0.015	± 0.0063	0.015	± 0.0061	0.0060	± 0.0039	0.0041	± 0.0027			
Iwamuro-mura, NIIGATA	0.759	1.12	1.60	0.018	± 0.0061	0.016	± 0.0055	0.0000	± 0.0030	0.0000	± 0.0019			
Tonami, TOYAMA	0.697	1.03	1.50	0.013	± 0.0061	0.013	± 0.0059	0.031	± 0.0053	0.020	± 0.0036			
Oshimizu-machi, ISHIKAWA	0.744	1.12	1.71	0.028	± 0.0073	0.025	± 0.0065	0.0000	± 0.0038	0.0000	± 0.0022			
Katsuyama, FUKUI	0.712	1.03	1.58	0.013	± 0.0063	0.012	± 0.0061	0.011	± 0.0046	0.0068	± 0.0029			
Takane-machi, YAMANASHI	0.730	1.13	1.54	0.0091	± 0.0054	0.0080	± 0.0048	0.0059	± 0.0038	0.0038	± 0.0025			
Kasamatsu-machi, GIFU	0.666	1.03	1.38	0.0084	± 0.0063	0.0081	± 0.0061	0.0081	± 0.0044	0.0059	± 0.0032			
Ouchiyama-mura, MIE	0.718	1.06	1.51	0.013	± 0.0055	0.012	± 0.0051	0.0011	± 0.0036	0.0007	± 0.0024			
Hino-machi, SHIGA	0.740	1.21	1.59	0.029	± 0.0073	0.024	± 0.0060	0.0031	± 0.0035	0.0019	± 0.0022			
Sakai, Habikino, OSAKA	0.749	1.15	1.57	0.012	± 0.0056	0.010	± 0.0048	0.010	± 0.0048	0.0064	± 0.0031			
Mihara-machi, HYOGO	0.728	1.08	1.55	0.022	± 0.0065	0.020	± 0.0060	0.022	± 0.0050	0.014	± 0.0032			
Ouda-machi, NARA	0.745	1.11	1.58	0.014	± 0.0065	0.013	± 0.0058	0.0023	± 0.0034	0.0015	± 0.0022			
Tohaku-machi, TOTTORI	0.680	1.01	1.51	0.024	± 0.0066	0.024	± 0.0065	0.011	± 0.0047	0.0070	± 0.0031			
Matsue, SHIMANE	0.669	1.04	1.48	0.028	± 0.0072	0.027	± 0.0070	0.0000	± 0.0033	0.0000	± 0.0022			
Chiyoda-machi, HIROSHIMA	0.711	1.09	1.50	0.0044	± 0.0047	0.0041	± 0.0043	0.0037	± 0.0038	0.0025	± 0.0025			
Kamiita-machi, TOKUSHIMA	0.754	1.15	1.69	0.027	± 0.0070	0.023	± 0.0061	0.013	± 0.0045	0.0077	± 0.0026			
Takase-machi, KAGAWA	0.727	1.10	1.58	0.0055	± 0.0051	0.0050	± 0.0046	0.0028	± 0.0041	0.0018	± 0.0026			
Kawauchi-machi, EHIME	0.698	1.05	1.55	0.010	± 0.0060	0.0099	± 0.0057	0.0043	± 0.0038	0.0028	± 0.0025			
Kochi, KOCHI	0.740	1.09	1.67	0.035	± 0.0078	0.032	± 0.0071	0.0085	± 0.0041	0.0051	± 0.0025			
Yasu-machi, FUKUOKA	0.713	1.07	1.67	0.010	± 0.0062	0.0096	± 0.0058	0.014	± 0.0048	0.0085	± 0.0029			
Yamato-machi, SAGA	0.726	1.11	1.58	0.015	± 0.0065	0.013	± 0.0058	0.011	± 0.0046	0.0072	± 0.0029			

Location	Ash (w/v%)	Ca (g/L)	K (g/L)	Sr-90					Cs-137			
				(Bq/L)		(Bq/g Ca)			(Bq/L)		(Bq/g K)	
Koshi-machi, KUMAMOTO	0.731	1.14	1.61	0.017	± 0.0065	0.015	± 0.0057	0.0060	± 0.0044	0.0037	± 0.0027	
Kuju-machi, OITA	0.724	1.11	1.69	0.020	± 0.0068	0.018	± 0.0061	0.046	± 0.0070	0.027	± 0.0042	
Takaharu-machi, MIYAZAKI	0.713	1.04	1.56	0.023	± 0.0068	0.022	± 0.0065	0.024	± 0.0053	0.016	± 0.0034	
Kanoya, KAGOSHIMA	0.732	1.11	1.58	0.019	± 0.0070	0.018	± 0.0063	0.0099	± 0.0044	0.0063	± 0.0028	

(10)-2

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

(from Apr. 2004 to Mar. 2005)

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

Location	Ash (w/v%)	Ca (g/L)	K (g/L)	Sr-90					Cs-137						
				(Bq/L)		(Bq/g Ca)			(Bq/L)		(Bq/g K)				
May 2004															
Sapporo, HOKKAIDO	0.720	1.09	1.55	0.034	±	0.0077	0.031	±	0.0070	0.027	±	0.0052	0.017	±	0.0034
Jun. 2004															
Fukushima, FUKUSHIMA	0.723	1.10	1.56	0.028	±	0.0071	0.026	±	0.0065	0.012	±	0.0047	0.0079	±	0.0030
Jul. 2004															
Rifu-machi, MIYAGI	0.726	1.10	1.60	0.018	±	0.0070	0.017	±	0.0063	0.0004	±	0.0034	0.0002	±	0.0021
Akita, AKITA	0.681	1.01	1.48	0.016	±	0.0067	0.015	±	0.0067	0.016	±	0.0047	0.011	±	0.0031
Aug. 2004															
Yamagata, YAMAGATA	0.695	1.08	1.57	0.012	±	0.0070	0.011	±	0.0064	0.019	±	0.0049	0.012	±	0.0031
Saitama, SAITAMA	0.727	1.11	1.64	0.030	±	0.0079	0.027	±	0.0071	0.017	±	0.0049	0.010	±	0.0030
Shinjuku, TOKYO	0.675	1.01	1.48	0.015	±	0.0072	0.015	±	0.0072	0.0000	±	0.0035	0.0000	±	0.0023
Chigasaki, KANAGAWA	0.733	1.06	1.61	0.014	±	0.0064	0.013	±	0.0061	0.032	±	0.0057	0.020	±	0.0036
Niigata, NIIGATA	0.781	1.14	1.63	0.030	±	0.0077	0.026	±	0.0067	0.015	±	0.0049	0.0092	±	0.0030
Fukui, FUKUI	0.734	1.12	1.57	0.022	±	0.0073	0.020	±	0.0065	0.0015	±	0.0038	0.0010	±	0.0024
Nagano, NAGANO	0.708	1.03	1.51	0.0066	±	0.0058	0.0064	±	0.0056	0.0067	±	0.0040	0.0044	±	0.0026
Shizuoka, SHIZUOKA	0.740	1.13	1.61	0.014	±	0.0065	0.012	±	0.0057	0.018	±	0.0050	0.011	±	0.0031
Nagoya, AICHI	0.729	1.10	1.58	0.023	±	0.0073	0.021	±	0.0066	0.028	±	0.0056	0.018	±	0.0035
Kyoto, KYOTO	0.731	1.11	1.64	0.023	±	0.0070	0.021	±	0.0063	0.0066	±	0.0044	0.0041	±	0.0027
Osaka, OSAKA	0.723	1.12	1.61	0.036	±	0.0081	0.032	±	0.0073	0.0063	±	0.0039	0.0039	±	0.0024
Matsue, SHIMANE	0.730	1.10	1.64	0.022	±	0.0065	0.020	±	0.0059	0.0038	±	0.0042	0.0023	±	0.0025
Okayama, OKAYAMA	0.723	1.07	1.55	0.018	±	0.0060	0.017	±	0.0056	0.012	±	0.0048	0.0077	±	0.0031
Hiroshima, HIROSHIMA	0.705	1.08	1.50	0.017	±	0.0065	0.015	±	0.0060	0.011	±	0.0041	0.0074	±	0.0028
Yamaguchi, YAMAGUCHI	0.724	1.10	1.65	0.013	±	0.0070	0.012	±	0.0063	0.082	±	0.0085	0.050	±	0.0052
Kawauchi-machi, EHIME	0.696	1.07	1.54	0.0096	±	0.0061	0.0090	±	0.0058	0.011	±	0.0046	0.0071	±	0.0030
Kochi, KOCHI	0.713	1.07	1.64	0.017	±	0.0059	0.015	±	0.0055	0.0059	±	0.0040	0.0036	±	0.0024
Chikushino, FUKUOKA	0.695	1.04	1.50	0.026	±	0.0070	0.026	±	0.0068	0.021	±	0.0057	0.014	±	0.0038
Nagasaki, NAGASAKI	0.696	1.07	1.64	0.020	±	0.0063	0.019	±	0.0059	0.0079	±	0.0041	0.0048	±	0.0025
Kagoshima, KAGOSHIMA	0.737	1.08	1.59	0.019	±	0.0067	0.018	±	0.0062	0.015	±	0.0049	0.0093	±	0.0031
Sep. 2004															
Yonashiro-machi, OKINAWA	0.708	1.09	1.57	0.012	±	0.0061	0.011	±	0.0055	0.0092	±	0.0047	0.0058	±	0.0030

Location	Ash (w/v%)	Ca (g/L)	K (g/L)	Sr-90			Cs-137		
				(Bq/L)	(Bq/g Ca)		(Bq/L)	(Bq/g K)	
Oct. 2004 Shingu, WAKAYAMA	0.721	1.10	1.55	0.024 ± 0.0063	0.022 ± 0.0057		0.0027 ± 0.0041	0.0018 ± 0.0026	

(10)-3

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

(from Apr. 2004 to Mar. 2005)

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

Location	Ash (%)	Ca (g/kg)	K (g/kg)	Sr-90					Cs-137					
				(Bq/kg)		(Bq/g Ca)			(Bq/kg)		(Bq/g K)			
Jul. 2004														
Sample A	7.85	11.7	16.6	0.22	± 0.022	0.019	± 0.0019	0.40	± 0.023	0.024	± 0.0014			
Sample B	2.36	3.28	4.91	0.036	± 0.0082	0.011	± 0.0025	0.34	± 0.017	0.070	± 0.0035			
Sample C	7.73	11.7	17.0	0.47	± 0.032	0.040	± 0.0027	1.5	± 0.04	0.086	± 0.0025			
Sample D	2.34	3.60	5.34	0.022	± 0.0071	0.0061	± 0.0020	0.034	± 0.0059	0.0063	± 0.0011			
Sample E	3.61	5.81	7.22	0.094	± 0.012	0.016	± 0.0021	0.13	± 0.011	0.018	± 0.0015			
Sample F	2.36	3.45	4.74	0.023	± 0.0072	0.0068	± 0.0021	0.12	± 0.010	0.025	± 0.0021			
Jan. 2005														
Sample A	7.95	12.1	17.6	0.15	± 0.020	0.013	± 0.0017	0.14	± 0.014	0.0077	± 0.00080			
Sample B	2.43	3.28	5.27	0.029	± 0.0080	0.0089	± 0.0024	0.11	± 0.010	0.021	± 0.0019			
Sample C	7.88	12.1	17.3	0.38	± 0.030	0.032	± 0.0025	1.0	± 0.04	0.058	± 0.0021			
Sample D	2.43	3.86	5.03	0.0054	± 0.0054	0.0014	± 0.0014	0.010	± 0.0043	0.0020	± 0.00085			
Sample E	3.61	5.99	7.36	0.098	± 0.013	0.016	± 0.0021	0.12	± 0.010	0.016	± 0.0014			
Sample F	2.39	3.54	4.78	0.024	± 0.0075	0.0066	± 0.0021	0.091	± 0.0092	0.019	± 0.0019			

(11)-1

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

(from Apr. 2004 to Mar. 2005)

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

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90				Cs-137				
				(Bq/kg wet)		(Bq/g Ca)		(Bq/kg wet)		(Bq/g K)		
(Leafy vegetables)												
May 2004												
Tahara, AICHI	1.63	0.570	6.71	0.015	± 0.0069	0.026	± 0.012	0.0000	± 0.0043	0.00000	± 0.00063	
Jun. 2004												
Koshi-machi, KUMAMOTO	1.70	0.561	7.30	0.14	± 0.014	0.25	± 0.026	0.0029	± 0.0043	0.00040	± 0.00059	
Jul. 2004												
Oda, SHIMANE	0.989	1.00	3.41	1.9	± 0.05	1.9	± 0.05	0.39	± 0.018	0.11	± 0.005	
Aug. 2004												
Eniwa, HOKKAIDO	1.91	0.842	7.26	0.043	± 0.0087	0.051	± 0.010	0.0064	± 0.0050	0.00089	± 0.00069	
Oct. 2004												
Saku, NAGANO	1.63	0.582	6.86	0.026	± 0.0080	0.045	± 0.014	0.0037	± 0.0044	0.00054	± 0.00065	
Nov. 2004												
Mutsu, AOMORI	0.550	0.276	2.22	0.17	± 0.017	0.61	± 0.062	0.0020	± 0.0033	0.0009	± 0.0015	
Shimoda-machi, AOMORI	0.593	0.503	2.12	0.078	± 0.011	0.16	± 0.022	0.0015	± 0.0040	0.0007	± 0.0019	
Tamayama-mura, IWATE	0.582	0.468	2.39	0.085	± 0.011	0.18	± 0.023	0.023	± 0.0058	0.0095	± 0.0024	
Fukushima, FUKUSHIMA	2.09	1.41	7.30	0.18	± 0.015	0.13	± 0.011	0.0068	± 0.0040	0.00092	± 0.00055	
Mito, IBARAKI	1.50	0.800	6.31	0.13	± 0.014	0.17	± 0.018	0.020	± 0.0058	0.0031	± 0.00092	
Utsunomiya, TOCHIGI	0.471	0.270	1.98	0.12	± 0.013	0.43	± 0.047	0.0065	± 0.0045	0.0033	± 0.0023	
Chiba, CHIBA	1.75	0.387	7.41	0.0096	± 0.0064	0.025	± 0.017	0.0034	± 0.0037	0.00046	± 0.00050	
Fukui, FUKUI	1.78	0.440	7.35	0.035	± 0.0081	0.080	± 0.018	0.0039	± 0.0039	0.00054	± 0.00054	
Gotenba, SHIZUOKA	1.67	0.540	6.64	0.040	± 0.0087	0.074	± 0.016	0.010	± 0.0045	0.0016	± 0.00068	
Kusu-machi, MIE	1.25	0.689	4.85	0.12	± 0.014	0.18	± 0.020	0.035	± 0.0061	0.0071	± 0.0013	
Kurayoshi, TOTTORI	1.38	0.699	4.54	0.070	± 0.011	0.10	± 0.015	0.031	± 0.0062	0.0068	± 0.0014	
Takamatsu, KAGAWA	1.34	1.14	4.55	0.016	± 0.0063	0.014	± 0.0056	0.0000	± 0.0042	0.00000	± 0.00092	
Matsuyama, EHIME	1.63	0.337	7.13	0.039	± 0.0085	0.12	± 0.025	0.0044	± 0.0038	0.00062	± 0.00053	
Shime-machi, FUKUOKA	2.06	1.56	7.72	0.074	± 0.011	0.047	± 0.0071	0.087	± 0.0092	0.011	± 0.0012	
Dec. 2004												
Maebashi, GUNMA	2.34	0.873	10.1	0.061	± 0.010	0.069	± 0.012	0.0000	± 0.0028	0.00000	± 0.00028	
Toyama, TOYAMA	1.86	0.750	7.70	0.14	± 0.015	0.19	± 0.020	0.0030	± 0.0045	0.00038	± 0.00058	
Hokuto, YAMANASHI	2.07	1.77	6.61	0.46	± 0.025	0.26	± 0.014	0.0063	± 0.0044	0.00096	± 0.00066	

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90				Cs-137			
				(Bq/kg wet)		(Bq/g Ca)		(Bq/kg wet)		(Bq/g K)	
Kakamigahara, GIFU	2.26	0.961	8.42	0.024 ±	0.0078	0.025 ±	0.0082	0.037 ±	0.0065	0.0044 ±	0.00078
Azuchi-machi, SHIGA	1.57	0.374	6.38	0.061 ±	0.010	0.16 ±	0.027	0.0053 ±	0.0038	0.00083 ±	0.00060
Kasai, HYOGO	1.70	0.411	6.90	0.025 ±	0.0084	0.061 ±	0.021	0.0004 ±	0.0039	0.00006 ±	0.00056
Haibara-machi, NARA	1.71	0.300	6.40	0.0088 ±	0.0066	0.029 ±	0.022	0.0000 ±	0.0033	0.00000 ±	0.00051
Hiroshima, HIROSHIMA	1.87	0.656	7.55	0.015 ±	0.0067	0.023 ±	0.010	0.0000 ±	0.0030	0.00000 ±	0.00040
Nankoku, KOCHI	1.74	1.27	6.30	0.089 ±	0.012	0.070 ±	0.0095	0.019 ±	0.0053	0.0030 ±	0.00084
Saga, SAGA	1.43	0.506	6.33	0.040 ±	0.0090	0.078 ±	0.018	0.0052 ±	0.0045	0.00082 ±	0.00070
Usa, OITA	1.76	0.316	7.33	0.035 ±	0.0095	0.11 ±	0.030	0.0062 ±	0.0041	0.00084 ±	0.00056
Takanabe-machi, MIYAZAKI	1.93	0.905	6.88	0.27 ±	0.020	0.30 ±	0.022	0.016 ±	0.0051	0.0023 ±	0.00074
Kagoshima, KAGOSHIMA	1.75	0.822	5.25	0.079 ±	0.012	0.097 ±	0.014	0.074 ±	0.0093	0.014 ±	0.0018
Jan. 2005											
Kumatori-machi, OSAKA	0.596	0.404	2.29	0.029 ±	0.0081	0.073 ±	0.020	0.0056 ±	0.0038	0.0025 ±	0.0016
Yuya-machi, YAMAGUCHI	2.06	0.803	8.09	0.058 ±	0.010	0.072 ±	0.013	0.0014 ±	0.0034	0.00018 ±	0.00042
Ishii-machi, TOKUSHIMA	1.64	0.643	5.89	0.027 ±	0.0087	0.043 ±	0.014	0.0026 ±	0.0038	0.00044 ±	0.00064
Feb. 2005											
Shingu, WAKAYAMA (Root vegetables)	0.596	0.237	2.55	0.015 ±	0.0077	0.062 ±	0.033	0.0024 ±	0.0035	0.0009 ±	0.0014
May 2004											
Tahara, AICHI	0.767	0.171	3.37	0.013 ±	0.0066	0.078 ±	0.039	0.0000 ±	0.0039	0.0000 ±	0.0012
Jun. 2004											
Koshi-machi, KUMAMOTO	0.585	0.178	2.57	0.081 ±	0.012	0.45 ±	0.066	0.0000 ±	0.0037	0.0000 ±	0.0014
Jul. 2004											
Kumatori-machi, OSAKA	0.319	0.0932	1.27	0.010 ±	0.0058	0.11 ±	0.063	0.0080 ±	0.0046	0.0063 ±	0.0036
Oda, SHIMANE	0.672	0.237	2.81	0.43 ±	0.024	1.8 ±	0.10	0.051 ±	0.0074	0.018 ±	0.0026
Aug. 2004											
Eniwa, HOKKAIDO	0.492	0.145	2.01	0.14 ±	0.014	0.95 ±	0.099	0.0011 ±	0.0040	0.0006 ±	0.0020
Mutsu, AOMORI	0.889	0.0460	3.88	0.014 ±	0.0072	0.29 ±	0.16	0.016 ±	0.0047	0.0041 ±	0.0012
Oct. 2004											
Utsunomiya, TOCHIGI	0.607	0.183	2.88	0.16 ±	0.015	0.86 ±	0.080	0.0066 ±	0.0045	0.0023 ±	0.0016
Saku, NAGANO	0.596	0.249	2.43	0.029 ±	0.0079	0.12 ±	0.032	0.0000 ±	0.0035	0.0000 ±	0.0015
Nov. 2004											
Shimoda-machi, AOMORI	0.493	0.171	2.07	0.066 ±	0.011	0.39 ±	0.066	0.0000 ±	0.0037	0.0000 ±	0.0018
Tamayama-mura, IWATE	0.729	0.257	2.90	0.080 ±	0.012	0.31 ±	0.047	0.0040 ±	0.0045	0.0014 ±	0.0015
Fukushima, FUKUSHIMA	0.475	0.249	1.85	0.039 ±	0.0089	0.16 ±	0.036	0.0000 ±	0.0037	0.0000 ±	0.0020

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90				Cs-137			
				(Bq/kg wet)		(Bq/g Ca)		(Bq/kg wet)		(Bq/g K)	
Mito, IBARAKI	0.625	0.431	2.47	0.089 ±	0.012	0.21 ±	0.028	0.0000 ±	0.0039	0.0000 ±	0.0016
Chiba, CHIBA	0.535	0.355	2.04	0.093 ±	0.011	0.26 ±	0.032	0.0015 ±	0.0032	0.0008 ±	0.0016
Kosugi-machi, TOYAMA	0.396	0.187	1.55	0.022 ±	0.0080	0.12 ±	0.043	0.0000 ±	0.0036	0.0000 ±	0.0023
Awara, FUKUI	0.527	0.184	2.32	0.0075 ±	0.0053	0.041 ±	0.029	0.0000 ±	0.0033	0.0000 ±	0.0014
Gotenba, SHIZUOKA	0.574	0.257	2.38	0.025 ±	0.0080	0.097 ±	0.031	0.030 ±	0.0056	0.013 ±	0.0024
Hamamatsu, SHIZUOKA	0.530	0.173	2.23	0.038 ±	0.0086	0.22 ±	0.049	0.0023 ±	0.0031	0.0011 ±	0.0014
Adogawa-machi, SHIGA	0.510	0.152	2.24	0.19 ±	0.016	1.2 ±	0.10	0.0000 ±	0.0035	0.0000 ±	0.0016
Hiroshima, HIROSHIMA	0.466	0.189	1.85	0.041 ±	0.0091	0.22 ±	0.048	0.0012 ±	0.0033	0.0007 ±	0.0018
Takamatsu, KAGAWA	0.397	0.198	1.61	0.019 ±	0.0064	0.097 ±	0.032	0.0000 ±	0.0035	0.0000 ±	0.0022
Shime-machi, FUKUOKA	0.413	0.191	1.56	0.039 ±	0.0085	0.20 ±	0.045	0.0000 ±	0.0036	0.0000 ±	0.0023
Dec. 2004											
Maebashi, GUNMA	0.588	0.165	2.60	0.033 ±	0.0088	0.20 ±	0.054	0.0068 ±	0.0039	0.0026 ±	0.0015
Hokuto, YAMANASHI	0.560	0.394	2.08	0.093 ±	0.012	0.24 ±	0.032	0.0000 ±	0.0032	0.0000 ±	0.0015
Kakamigahara, Gifu	0.607	0.164	2.60	0.068 ±	0.011	0.41 ±	0.070	0.0038 ±	0.0035	0.0015 ±	0.0014
Meiwa-machi, MIE	0.534	0.216	2.32	0.027 ±	0.0078	0.13 ±	0.036	0.0007 ±	0.0028	0.0003 ±	0.0012
Kasai, HYOGO	0.428	0.179	1.84	0.057 ±	0.010	0.32 ±	0.058	0.0000 ±	0.0035	0.0000 ±	0.0019
Haibara-machi, NARA	0.524	0.157	2.31	0.011 ±	0.0065	0.069 ±	0.041	0.0000 ±	0.0027	0.0000 ±	0.0012
Tottori, TOTTORI	0.427	0.189	1.78	0.21 ±	0.017	1.1 ±	0.09	0.0050 ±	0.0037	0.0028 ±	0.0021
Nankoku, KOCHI	0.666	0.340	2.82	0.059 ±	0.0099	0.17 ±	0.029	0.0000 ±	0.0033	0.0000 ±	0.0012
Saga, SAGA	0.562	0.247	2.48	0.063 ±	0.011	0.25 ±	0.043	0.0000 ±	0.0035	0.0000 ±	0.0014
Usa, OITA	0.556	0.126	2.26	0.046 ±	0.0085	0.37 ±	0.067	0.0000 ±	0.0026	0.0000 ±	0.0011
Takanabe-machi, MIYAZAKI	0.488	0.169	1.97	0.079 ±	0.012	0.46 ±	0.072	0.0056 ±	0.0039	0.0028 ±	0.0020
Kaimon-machi, KAGOSHIMA	0.637	0.183	2.39	0.020 ±	0.0066	0.11 ±	0.036	0.0074 ±	0.0046	0.0031 ±	0.0019
Jan. 2005											
Yuya-machi, YAMAGUCHI	0.541	0.201	1.97	0.053 ±	0.0097	0.26 ±	0.048	0.0057 ±	0.0033	0.0029 ±	0.0017
Ishii-machi, TOKUSHIMA	0.471	0.159	1.66	0.018 ±	0.0077	0.11 ±	0.048	0.0000 ±	0.0032	0.0000 ±	0.0019
Feb. 2005											
Shingu, WAKAYAMA	0.515	0.298	1.95	0.0058 ±	0.0058	0.019 ±	0.019	0.013 ±	0.0040	0.0068 ±	0.0021

(11)-2

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

(from Apr. 2004 to Mar. 2005)

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

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90				Cs-137				
				(Bq/kg wet)		(Bq/g Ca)		(Bq/kg wet)		(Bq/g K)		
<u>(Leafy vegetables)</u>												
Jun. 2004												
Niigata, NIIGATA	1.41	0.327	6.09	0.0048 ±	0.0048	0.015 ±	0.015	0.0028 ±	0.0035	0.00046 ±	0.00058	
Jul. 2004												
Rifu-machi, MIYAGI	2.13	0.784	8.80	0.037 ±	0.0080	0.047 ±	0.010	0.0081 ±	0.0043	0.00092 ±	0.00049	
Sep. 2004												
Saitama, SAITAMA	1.51	0.339	6.38	0.0052 ±	0.0054	0.015 ±	0.016	0.0000 ±	0.0039	0.00000 ±	0.00062	
Oct. 2004												
Akita, AKITA	0.652	0.549	2.48	0.057 ±	0.0098	0.10 ±	0.018	0.0046 ±	0.0044	0.0018 ±	0.0018	
Yamagata, YAMAGATA	2.07	1.77	6.52	0.11 ±	0.013	0.061 ±	0.0073	0.0072 ±	0.0052	0.0011 ±	0.00080	
Kanazawa, ISHIKAWA	1.74	0.655	7.04	0.056 ±	0.0099	0.085 ±	0.015	0.0047 ±	0.0046	0.00067 ±	0.00066	
Kyoto, KYOTO	1.37	0.366	6.12	0.052 ±	0.010	0.14 ±	0.028	0.0004 ±	0.0041	0.00007 ±	0.00066	
Nov. 2004												
Shinjuku, TOKYO	2.14	1.10	10.2	0.012 ±	0.0064	0.011 ±	0.0058	0.0044 ±	0.0041	0.00043 ±	0.00040	
Osaka, OSAKA	1.22	0.544	4.60	0.0078 ±	0.0058	0.014 ±	0.011	0.0082 ±	0.0049	0.0018 ±	0.0011	
Okayama, OKAYAMA	1.70	0.981	5.33	0.027 ±	0.0085	0.027 ±	0.0086	0.014 ±	0.0047	0.0026 ±	0.00088	
Matsuyama, EHIME	1.79	0.370	7.74	0.027 ±	0.0073	0.073 ±	0.020	0.0050 ±	0.0038	0.00065 ±	0.00049	
Dec. 2004												
Yonashiro-machi, OKINAWA	1.49	0.627	5.66	0.013 ±	0.0067	0.021 ±	0.011	0.0087 ±	0.0047	0.0015 ±	0.00083	
Jan. 2005												
Chigasaki, KANAGAWA	1.88	0.617	7.82	0.015 ±	0.0059	0.025 ±	0.0095	0.0000 ±	0.0036	0.00000 ±	0.00046	
Nagasaki, NAGASAKI	2.01	0.393	7.99	0.051 ±	0.0090	0.13 ±	0.023	0.0000 ±	0.0039	0.00000 ±	0.00048	
<u>(Root vegetables)</u>												
Sep. 2004												
Rifu-machi, MIYAGI	0.534	0.158	2.21	2.7 ±	0.06	17 ±	0.4	0.020 ±	0.0050	0.0092 ±	0.0023	
Saitama, SAITAMA	0.347	0.402	0.632	0.29 ±	0.019	0.72 ±	0.048	0.37 ±	0.017	0.59 ±	0.027	
Oct. 2004												
Akita, AKITA	0.465	0.192	2.00	0.025 ±	0.0077	0.13 ±	0.040	0.0023 ±	0.0042	0.0011 ±	0.0021	
Yamagata, YAMAGATA	0.500	0.173	2.05	0.035 ±	0.0086	0.20 ±	0.050	0.018 ±	0.0055	0.0086 ±	0.0027	
Kanazawa, ISHIKAWA	0.545	0.187	2.20	0.012 ±	0.0063	0.064 ±	0.034	0.023 ±	0.0056	0.010 ±	0.0026	
Kyoto, KYOTO	0.569	0.210	2.32	0.013 ±	0.0072	0.061 ±	0.034	0.024 ±	0.0058	0.010 ±	0.0025	

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90			Cs-137					
				(Bq/kg wet)		(Bq/g Ca)	(Bq/kg wet)		(Bq/g K)			
Nov. 2004												
Shinjuku, TOKYO	0.325	0.203	1.20	0.016 ±	0.0065	0.077 ±	0.032	0.0004 ±	0.0035	0.0003 ±	0.0030	
Niigata, NIIGATA	0.435	0.175	1.79	0.0044 ±	0.0045	0.025 ±	0.026	0.0007 ±	0.0033	0.0004 ±	0.0018	
Osaka, OSAKA	0.456	0.156	1.89	0.010 ±	0.0060	0.067 ±	0.039	0.0039 ±	0.0043	0.0021 ±	0.0023	
Okayama, OKAYAMA	0.419	0.235	1.48	0.15 ±	0.016	0.63 ±	0.067	0.0027 ±	0.0033	0.0018 ±	0.0022	
Dec. 2004												
Yonashiro-machi, OKINAWA	0.468	0.269	1.78	0.022 ±	0.0074	0.082 ±	0.028	0.0019 ±	0.0037	0.0011 ±	0.0021	
Jan. 2005												
Chigasaki, KANAGAWA	0.484	0.222	1.86	0.023 ±	0.0066	0.10 ±	0.030	0.0000 ±	0.0031	0.0000 ±	0.0017	
Nagasaki, NAGASAKI	0.386	0.257	1.41	0.055 ±	0.0089	0.21 ±	0.034	0.0000 ±	0.0034	0.0000 ±	0.0024	

(12) Strontium-90 and Cesium-137 in Tea (Japanese tea)

(from Apr. 2004 to Mar. 2005)

Table (12) : Strontium-90 and Cesium-137 in Tea (Japanese tea)

Location	Ash (%)	Ca (g/kg)	K (g/kg)	Sr-90						Cs-137				
				(Bq/kg)		(Bq/g Ca)		(Bq/kg)		(Bq/g K)				
Apr. 2004														
Iwata, SHIZUOKA*	1.29	0.611	4.73	0.057	± 0.0095	0.093	± 0.015	0.011	± 0.0040	0.0023	± 0.00084			
May 2004														
Shirakawa-machi, GIFU	5.04	2.38	20.1	0.31	± 0.041	0.13	± 0.017	0.086	± 0.021	0.0043	± 0.0010			
Ikeda-machi, GIFU	5.20	2.91	19.7	0.89	± 0.062	0.30	± 0.021	0.092	± 0.020	0.0047	± 0.0010			
Izu, SHIZUOKA*	1.39	0.799	5.03	0.47	± 0.025	0.58	± 0.031	0.12	± 0.010	0.023	± 0.0020			
Kameyama, MIE	5.33	3.60	18.5	1.1	± 0.07	0.30	± 0.020	0.11	± 0.024	0.0061	± 0.0013			
Odai-machi, MIE	5.74	2.37	20.7	0.24	± 0.041	0.10	± 0.017	0.20	± 0.031	0.0096	± 0.0015			
Uji, KYOTO	5.55	3.55	20.3	0.64	± 0.061	0.18	± 0.017	0.019	± 0.018	0.00095	± 0.00089			
Kaya-machi, KYOTO	4.89	2.84	17.6	0.75	± 0.061	0.26	± 0.022	0.090	± 0.022	0.0051	± 0.0013			
Nara, NARA	5.21	2.75	21.5	0.34	± 0.045	0.12	± 0.016	0.32	± 0.036	0.015	± 0.0017			
Nara, NARA	5.51	2.45	20.6	0.29	± 0.039	0.12	± 0.016	0.26	± 0.031	0.013	± 0.0015			
Mifune-machi, KUMAMOTO	5.04	2.21	18.7	0.28	± 0.039	0.13	± 0.018	0.28	± 0.031	0.015	± 0.0017			
Asagiri-machi, KUMAMOTO	5.50	2.65	19.2	0.19	± 0.035	0.071	± 0.013	0.013	± 0.014	0.00066	± 0.00072			
Miyakonojo, MIYAZAKI	5.61	2.70	20.9	0.29	± 0.040	0.11	± 0.015	0.81	± 0.052	0.039	± 0.0025			
Kawaminami-machi, MIYAZAKI	5.07	2.40	19.7	0.41	± 0.048	0.17	± 0.020	0.68	± 0.047	0.035	± 0.0024			
Chiran-machi, KAGOSHIMA	5.04	2.25	19.8	0.22	± 0.035	0.096	± 0.015	1.4	± 0.07	0.070	± 0.0034			
Jun. 2004														
Iruma, SAITAMA	5.37	2.48	19.6	0.27	± 0.037	0.11	± 0.015	0.45	± 0.040	0.023	± 0.0020			
Tokorozawa, SAITAMA	4.95	2.22	19.2	0.31	± 0.038	0.14	± 0.017	0.97	± 0.055	0.050	± 0.0029			
Nachikatsuura-machi, WAKAYAMA	5.01	2.31	19.9	1.1	± 0.07	0.47	± 0.032	0.45	± 0.039	0.022	± 0.0019			
Miyanojo-machi, KAGOSHIMA	5.76	2.73	21.4	0.33	± 0.043	0.12	± 0.016	0.46	± 0.040	0.022	± 0.0019			

* g/kg wet : Ca, K

Bq/kg wet : Sr-90, Cs-137

(13) Strontium-90 and Cesium-137 in Sea fish

(from Apr. 2004 to Mar. 2005)

Table (13) : Strontium-90 and Cesium-137 in Sea fish

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90				Cs-137				
				(Bq/kg wet)		(Bq/g Ca)		(Bq/kg wet)		(Bq/g K)		
<i>(Acanthopagrus schlegeli)</i>												
Sep. 2004												
Oga, AKITA	1.29	0.751	3.46	0.0020	± 0.0054	0.0027	± 0.0071	0.088	± 0.0094	0.026	± 0.0027	
<i>(Ammodytes personatus)</i>												
Apr. 2004												
Kobe, HYOGO	2.12	2.29	3.86	0.0000	± 0.0040	0.0000	± 0.0017	0.049	± 0.0072	0.013	± 0.0019	
<i>(Branchiostegus sp.)</i>												
Nov. 2004												
Nagasaki, NAGASAKI	1.00	0.355	2.98	0.0000	± 0.0085	0.000	± 0.024	0.083	± 0.011	0.028	± 0.0036	
<i>(Hexagrammos otakii)</i>												
Sep. 2004												
Soma, FUKUSHIMA	1.30	0.603	4.02	0.010	± 0.0063	0.017	± 0.010	0.086	± 0.0093	0.021	± 0.0023	
<i>(Katsuwonus pelamis)</i>												
May 2004												
Tosa, KOCHI	1.28	0.0673	4.26	0.013	± 0.0066	0.20	± 0.098	0.21	± 0.013	0.049	± 0.0031	
<i>(Mugil cephalus cephalus)</i>												
Sep. 2004												
Morodomi-machi, SAGA	1.41	0.252	4.48	0.0050	± 0.0057	0.020	± 0.023	0.091	± 0.010	0.020	± 0.0022	
Nov. 2004												
Setouchi, OKAYAMA	1.33	0.441	3.93	0.0075	± 0.0058	0.017	± 0.013	0.061	± 0.0080	0.016	± 0.0020	
<i>(Oncorhynchus keta)</i>												
Sep. 2004												
Urakawa-machi, HOKKAIDO	1.37	0.715	3.95	0.012	± 0.0064	0.017	± 0.0089	0.073	± 0.0085	0.019	± 0.0022	
<i>(Pleuronectidae)</i>												
Jul. 2004												
Rifu-machi, MIYAGI	3.28	7.41	3.54	0.0000	± 0.0051	0.00000	± 0.00069	0.045	± 0.0072	0.013	± 0.0020	
Nov. 2004												
Mutsu-bay, AOMORI	1.27	0.380	3.95	0.0000	± 0.0048	0.000	± 0.013	0.078	± 0.0084	0.020	± 0.0021	
Niigata, NIIGATA	1.35	0.632	3.51	0.0040	± 0.0056	0.0063	± 0.0089	0.092	± 0.0094	0.026	± 0.0027	
Fukui, FUKUI	1.24	0.829	3.04	0.0000	± 0.0043	0.0000	± 0.0052	0.094	± 0.0095	0.031	± 0.0031	
Aji-machi, KAGAWA	2.10	3.23	3.59	0.0027	± 0.0050	0.0008	± 0.0015	0.046	± 0.0075	0.013	± 0.0021	

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90				Cs-137			
				(Bq/kg wet)		(Bq/g Ca)		(Bq/kg wet)		(Bq/g K)	
Jan. 2005 Otake, HIROSHIMA (Pterocaesio diagramma)	3.65	8.80	2.51	0.013 ± 0.0057	0.0015 ± 0.00065	0.051 ± 0.0072	0.020 ± 0.0029				
Dec. 2004 Yonashiro-machi, OKINAWA (Sardinops sp.)	4.34	11.2	4.02	0.023 ± 0.0061	0.0020 ± 0.00055	0.092 ± 0.0095	0.023 ± 0.0024				
Aug. 2004 Yamagata, YAMAGATA	2.57	5.10	2.51	0.0070 ± 0.0058	0.0014 ± 0.0011	0.035 ± 0.0065	0.014 ± 0.0026				
Jan. 2005 Nagano, NAGANO (Scomber australasicus)	3.03	6.99	2.49	0.0033 ± 0.0043	0.00047 ± 0.00061	0.055 ± 0.0073	0.022 ± 0.0029				
Mar. 2005 Chikura-machi, CHIBA (Scomber sp.)	1.44	0.158	4.12	0.025 ± 0.0088	0.16 ± 0.056	0.13 ± 0.014	0.031 ± 0.0033				
Aug. 2004 Iyonada, EHIME	1.15	0.491	3.12	0.0000 ± 0.0048	0.0000 ± 0.0098	0.072 ± 0.0086	0.023 ± 0.0027				
Nov. 2004 Kyoto, KYOTO	1.31	0.177	3.86	0.0015 ± 0.0050	0.008 ± 0.028	0.10 ± 0.009	0.026 ± 0.0024				
Osaka, OSAKA	1.06	0.104	2.80	0.0000 ± 0.0048	0.000 ± 0.047	0.098 ± 0.010	0.035 ± 0.0036				
Feb. 2005 Sakaiminato, TOTTORI (Sebastes inermis)	1.44	1.16	2.65	0.0000 ± 0.0044	0.0000 ± 0.0038	0.063 ± 0.0081	0.024 ± 0.0031				
Mar. 2005 Yamaguchi-bay, YAMAGUCHI (Sebastiscus marmoratus)	4.86	14.0	2.90	0.023 ± 0.0061	0.0016 ± 0.00044	0.10 ± 0.010	0.034 ± 0.0034				
Jun. 2004 Hamada, SHIMANE (Seriola quinqueradiata)	6.04	18.8	2.71	0.019 ± 0.0083	0.0010 ± 0.00044	0.063 ± 0.0099	0.023 ± 0.0036				
Sep. 2004 Monzen-machi, ISHIKAWA (Sillago sp.)	1.55	0.602	4.25	0.0000 ± 0.0048	0.0000 ± 0.0080	0.14 ± 0.011	0.032 ± 0.0026				
Jun. 2004 Minamichita-machi, AICHI	3.43	7.17	3.30	0.016 ± 0.0069	0.0022 ± 0.00096	0.037 ± 0.0073	0.011 ± 0.0022				

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90				Cs-137			
				(Bq/kg wet)		(Bq/g Ca)		(Bq/kg wet)		(Bq/g K)	
<u>(Sparidae)</u>											
May 2004											
Kiinagashima-machi, MIE	1.44	0.311	4.35	0.0032 ± 0.0044	0.010 ± 0.014	0.13 ± 0.010	0.030 ± 0.0024				
Jul. 2004											
Fukuoka, FUKUOKA	1.37	0.485	4.38	0.0006 ± 0.0051	0.001 ± 0.011	0.097 ± 0.0098	0.022 ± 0.0022				
<u>(Spratelloides gracilis)</u>											
Nov. 2004											
Akune, KAGOSHIMA	2.93	5.78	3.27	0.0000 ± 0.0051	0.00000 ± 0.00089	0.10 ± 0.0095	0.030 ± 0.0029				
<u>(Trachurus japonicus)</u>											
Oct. 2004											
Odawara, KANAGAWA	1.43	0.243	4.29	0.0013 ± 0.0052	0.005 ± 0.022	0.13 ± 0.012	0.031 ± 0.0027				
<u>(Trachurus sp.)</u>											
Hachi-jo-machi, TOKYO	1.55	1.38	3.88	0.011 ± 0.0064	0.0082 ± 0.0046	0.12 ± 0.010	0.030 ± 0.0026				
Nov. 2004											
Shizuoka, SHIZUOKA	3.24	7.20	1.81	0.0060 ± 0.0043	0.00084 ± 0.00059	0.059 ± 0.0078	0.033 ± 0.0043				
Mar. 2005											
Shingu, WAKAYAMA	1.24	0.621	3.16	0.0090 ± 0.0049	0.014 ± 0.0079	0.12 ± 0.011	0.039 ± 0.0034				

(14) Strontium-90 and Cesium-137 in Freshwater fish
(from Apr. 2004 to Mar. 2005)

Table (14) : Strontium-90 and Cesium-137 in Freshwater fish

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90					Cs-137					
				(Bq/kg wet)		(Bq/g Ca)			(Bq/kg wet)		(Bq/g K)			
<u>(Carassius sp.)</u>														
Jul. 2004														
Barato-lake, HOKKAIDO	4.91	14.5	2.73	0.67	± 0.031	0.047	± 0.0021	0.032	± 0.0066	0.012	± 0.0024			
Nov. 2004														
Niigata, NIIGATA	1.22	0.620	3.24	0.045	± 0.0095	0.073	± 0.015	0.12	± 0.011	0.038	± 0.0033			
Dec. 2004														
Mikata-machi, FUKUI	1.73	2.82	3.01	0.15	± 0.015	0.054	± 0.0053	0.11	± 0.010	0.035	± 0.0033			
Uji, KYOTO	4.74	13.9	2.49	0.60	± 0.029	0.043	± 0.0021	0.018	± 0.0054	0.0072	± 0.0022			
<u>(Cyprinus carpio)</u>														
Jul. 2004														
Hachirogata-machi, AKITA	4.08	11.9	2.60	0.82	± 0.033	0.070	± 0.0028	0.075	± 0.0090	0.029	± 0.0035			
Oct. 2004														
Syobara, HIROSHIMA	0.982	0.447	2.90	0.037	± 0.0086	0.082	± 0.019	0.077	± 0.0091	0.026	± 0.0031			
<u>(Hypomesus nipponensis)</u>														
Dec. 2004														
Suwa-lake, NAGANO	2.62	6.36	2.68	0.078	± 0.012	0.012	± 0.0018	0.089	± 0.0093	0.033	± 0.0035			
<u>(Ictalurus punctatus)</u>														
Jul. 2004														
Kasumigaura-lake, IBARAKI	0.951	0.107	3.15	0.0099	± 0.0066	0.093	± 0.062	0.56	± 0.023	0.18	± 0.007			
<u>(Salmo gairdneri)</u>														
Oct. 2004														
Kumagaya, SAITAMA	1.17	0.152	3.45	0.0049	± 0.0051	0.032	± 0.033	0.16	± 0.012	0.048	± 0.0035			
<u>(Salvelinus leucomaenis)</u>														
Sep. 2004														
Fukushima, FUKUSHIMA	1.26	0.375	3.90	0.0087	± 0.0063	0.023	± 0.017	0.12	± 0.011	0.031	± 0.0027			

(15) Strontium-90 and Cesium-137 in Shellfish

(from Apr. 2004 to Mar. 2005)

Table (15) : Strontium-90 and Cesium-137 in Shellfish

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90					Cs-137						
				(Bq/kg wet)		(Bq/g Ca)			(Bq/kg wet)		(Bq/g K)				
<u>(Crassostrea gigas)</u>															
Feb. 2005															
Hatsukaichi, HIROSHIMA	2.27	0.903	1.89	0.019	±	0.0083	0.021	±	0.0092	0.018	±	0.0062	0.0093	±	0.0033
<u>(Mytilus edulis)</u>															
May 2004															
Mutsu, AOMORI	2.41	0.403	1.66	0.010	±	0.0089	0.026	±	0.022	0.015	±	0.0050	0.0092	±	0.0030
<u>(Patinopecten yessoensis)</u>															
Nov. 2004															
Mutsu-bay, AOMORI	2.01	0.269	2.61	0.0049	±	0.0057	0.018	±	0.021	0.019	±	0.0055	0.0073	±	0.0021
Jan. 2005															
Yamada-machi, IWATE	2.49	0.390	2.30	0.0049	±	0.0051	0.013	±	0.013	0.023	±	0.0052	0.010	±	0.0023
<u>(Tapes philippinarum)</u>															
Apr. 2004															
Ise, MIE	2.04	0.517	2.01	0.011	±	0.0055	0.021	±	0.011	0.018	±	0.0047	0.0090	±	0.0023
May 2004															
Konagai-machi, NAGASAKI	2.08	0.357	1.70	0.013	±	0.0070	0.036	±	0.020	0.014	±	0.0050	0.0084	±	0.0029
Jun. 2004															
Minamichita-machi, AICHI (Turbo (Batillus) cornutus)	1.83	0.554	3.40	0.000	±	0.013	0.000	±	0.024	0.029	±	0.012	0.0087	±	0.0034
Apr. 2004															
Sado, NIIGATA	2.39	0.428	2.46	0.000	±	0.043	0.00	±	0.10	0.000	±	0.021	0.0000	±	0.0084
May 2004															
Monzen-machi, ISHIKAWA	3.00	2.02	2.29	0.0039	±	0.0048	0.0019	±	0.0024	0.022	±	0.0057	0.0095	±	0.0025
Jun. 2004															
Sakata, YAMAGATA	3.31	2.52	2.68	0.0046	±	0.0059	0.0018	±	0.0024	0.019	±	0.0054	0.0073	±	0.0020

(16) Strontium-90 and Cesium-137 in Seaweeds

(from Apr. 2004 to Mar. 2005)

Table (16) : Strontium-90 and Cesium-137 in Seaweeds

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90			Cs-137				
				(Bq/kg wet)		(Bq/g Ca)	(Bq/kg wet)		(Bq/g K)		
<u>(Undaria pinnatifida)</u>											
Apr. 2004											
Sado, NIIGATA	2.55	0.755	5.73	0.013	± 0.0063	0.017	± 0.0083	0.0095	± 0.0046	0.0017	± 0.00081
Monzen-machi, ISHIKAWA	2.09	0.582	4.80	0.017	± 0.0072	0.029	± 0.012	0.014	± 0.0050	0.0028	± 0.0010
May 2004											
Fukaura-machi, AOMORI	2.28	0.811	6.56	0.010	± 0.0064	0.013	± 0.0079	0.016	± 0.0049	0.0024	± 0.00075
Mutsu, AOMORI	2.97	0.746	6.38	0.0063	± 0.0063	0.0084	± 0.0084	0.019	± 0.0054	0.0029	± 0.00085
Jun. 2004											
Sakata, YAMAGATA	3.13	1.41	6.13	0.028	± 0.0080	0.020	± 0.0057	0.021	± 0.0056	0.0035	± 0.00091
Feb. 2005											
Minamichita-machi, AICHI	2.90	0.692	8.38	0.025	± 0.0071	0.035	± 0.010	0.019	± 0.0048	0.0023	± 0.00057
Hiroshima, HIROSHIMA	1.43	0.429	4.44	0.014	± 0.0063	0.032	± 0.015	0.010	± 0.0048	0.0024	± 0.0011
Shimabara, NAGASAKI	3.38	0.595	6.94	0.0083	± 0.0064	0.014	± 0.011	0.018	± 0.0051	0.0026	± 0.00074
Mar. 2005											
Toba, MIE	2.61	0.718	6.86	0.026	± 0.0075	0.036	± 0.010	0.015	± 0.0053	0.0023	± 0.00077