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= Environmental and Dietary Materials =

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Contents

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Environmental and Dietary Materials

1. Sampling and retrieval

(1) Rain and dry fallout

Rain and dry fallout were collected monthly in a stainless steel tray, 5000cm^2 in area. 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 m^3 per month for three month sampling periods. The filter holder with the filter was mounted on a stand 1 to 1.5 m above the ground.

(3) Service water and fresh water

Water sample (service water, tap water or fresh water), 100L of each, was collected at the intake of the water-treatment plant and at the tap in the plant. The tap water sample was collected from the tap after water was left running for 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 ℃ and then passed through 2 mm sieve after removal of pebbles and plant roots.

(5) Seawater

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

(6) Sediment

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

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

The sample collected was spread on a stainless steel dish after filtration of water. The pebbles, shells and other foreign materials were removed. The sample was dried at 105 ℃ 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 ℃ and was reduced to ashes at 450 ℃ 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 was evaporated to dryness in a stainless or porcelain dish and reduced to ashes at 450 ℃ 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 ℃ and reduced to ashes at 450 ℃ 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 ℃ in an electric furnace.

(12) Fish, shellfish and seaweeds

a. Sea fish and freshwater fish

Fish was collected or purchased. After removing inedible part of big fish sample, the sample was dried at 105 ℃ and reduced to ashes at 450 ℃ in porcelain

dishes in an electric furnace.

b. Shellfish

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

Table 1 Details of sample collection

Sample	Frequency of sampling	Quantity of sample
= Environmental materials =		
(1) Rain and dry fallout	Monthly	
(2) Airborne dust	Quarterly	10000 m^3 /3 months
(3) Service water and freshwater		
1. Service water (source water)	Semiannually	100 L
2. Service water (tap water)	Semiannually	100 L
3. Freshwater	Yearly (fishing season)	100 L
(4) Soil		
1. 0～5 cm	Yearly	4 kg
2. 5～20 cm	Yearly	12 kg
(5) Seawater	Yearly	40 L
(6) Sea sediments	Yearly	4 kg
= Dietary materials =		
(7) Total diet	Semiannually	Daily amount for 5 persons
(8) Rice		
1. Producing districts	Yearly (harvesting season)	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 ℃. 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 alkalinized with sodium hydroxide. Alkaline earth carbonate was precipitated by adding sodium carbonate. The supernatant was retained for determination of cesium-137.

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

4. Determination of stable strontium, calcium and potassium

An weighed amount of soil or sea sediment was heated at 450 ℃ 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.

1 : Sapporo
2 : Aomori
3 : Morioka
4 : Sendai
5 : Akita
6 : Yamagata
7 : Fukushima
8 : Mito
9 : Utsunomiya
10 : Maebashi
11 : Saitama
12 : Chiba
13 : Shinjuku
14 : Yokohama
15 : Niigata
16 : Toyama
17 : Kanazawa
18 : Fukui
19 : Kofu
20 : Nagano
21 : Gifu
22 : Shizuoka
23 : Nagoya
24 : Tsu
25 : Otsu
26 : Kyoto
27 : Osaka
28 : Kobe
29 : Nara
30 : Wakayama
31 : Tottori
32 : Matsue
33 : Okayama
34 : Hiroshima
35 : Yamaguchi
36 : Tokushima
37 : Takamatsu
38 : Matsuyama
39 : Kochi
40 : Fukuoka
41 : Saga
42 : Nagasaki
43 : Kumamoto
44 : Oita
45 : Miyazaki
46 : Kagoshima
47 : Naha

Figure 1. Sampling Locations in Japan

6. Results

(1) Strontium-90 and Cesium-137 in Rain and dry fallout
(from Apr. 2005 to Mar. 2006)

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. 2005								
Sapporo, HOKKAIDO	31	30.0	0.064	±	0.016	0.17	±	0.017
Aomori, AOMORI	28	69.5	0.018	±	0.015	0.080	±	0.013
Morioka, IWATE	31	76.5	0.060	±	0.015	0.17	±	0.017
Onagawa-machi, MIYAGI	27	46.5	0.025	±	0.014	0.025	±	0.0093
Akita, AKITA	31	86.7	0.044	±	0.015	0.19	±	0.017
Yamagata, YAMAGATA	31	32.2	0.026	±	0.015	0.12	±	0.015
Okuma-machi, FUKUSHIMA	31	27.5	0.037	±	0.013	0.053	±	0.011
Mito, IBARAKI	31	50.0	0.016	±	0.014	0.043	±	0.010
Kawachi-machi, TOCHIGI	31	87.5	0.014	±	0.012	0.017	±	0.010
Maebashi, GUNMA	31	39.5	0.080	±	0.016	0.19	±	0.017
Saitama, SAITAMA	31	85.2	0.0083	±	0.0096	0.045	±	0.0096
Ichihara, CHIBA	31	122.5	0.026	±	0.013	0.040	±	0.011
Chiba, CHIBA	31	105.7	0.017	±	0.013	0.020	±	0.010
Shinjuku, TOKYO	31	87.0	0.017	±	0.013	0.0049	±	0.0090
Chigasaki, KANAGAWA	32	106.1	0.040	±	0.016	0.041	±	0.010
Niigata, NIIGATA	31	52.5	0.001	±	0.014	0.089	±	0.013
Kosugi-machi, TOYAMA	32	89.0	0.058	±	0.015	0.077	±	0.013
Kanazawa, ISHIKAWA	28	75.5	0.056	±	0.017	0.13	±	0.014
Fukui, FUKUI	28	65.7	0.12	±	0.087	0.060	±	0.042
Kofu, YAMANASHI	31	54.5	0.011	±	0.013	0.015	±	0.010
Nagano, NAGANO	31	22.0	0.005	±	0.011	0.055	±	0.011
Kakamigahara, GIFU	35	144.3	0.034	±	0.016	0.022	±	0.010
Shizuoka, SHIZUOKA	31	117.5	0.028	±	0.017	0.035	±	0.011
Nagoya, AICHI	31	89.4	0.016	±	0.013	0.041	±	0.011
Yokkaichi, MIE	31	144.0	0.043	±	0.016	0.056	±	0.011
Otsu, SHIGA	31	53.7	0.038	±	0.016	0.022	±	0.0093
Kyoto, KYOTO	27	27.5	0.027	±	0.014	0.032	±	0.0096
Osaka, OSAKA	32	57.1	0.005	±	0.014	0.0089	±	0.0085
Kobe, HYOGO	28	27.5	0.021	±	0.013	0.020	±	0.0099

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Nara, NARA	31	87.2	0.019	±	0.013	0.024	±	0.0088
Yurihama-machi, TOTTORI	30	46.0	0.013	±	0.017	0.024	±	0.010
Matsue, SHIMANE	31	66.9	0.011	±	0.0083	0.029	±	0.0068
Okayama, OKAYAMA	31	42.2	0.030	±	0.016	0.0000	±	0.0087
Hiroshima, HIROSHIMA	31	98.9	0.015	±	0.013	0.019	±	0.0081
Yamaguchi, YAMAGUCHI	30	132.5	0.001	±	0.012	0.019	±	0.0098
Ishii-machi, TOKUSHIMA	31	32.6	0.002	±	0.013	0.017	±	0.0086
Takamatsu, KAGAWA	31	26.0	0.032	±	0.014	0.016	±	0.0097
Matsuyama, EHIME	31	53.5	0.023	±	0.014	0.019	±	0.0097
Kochi, KOCHI	31	219.9	0.041	±	0.015	0.039	±	0.011
Dazaifu, FUKUOKA	31	111.6	0.069	±	0.018	0.011	±	0.0078
Saga, SAGA	31	154.2	0.017	±	0.015	0.0085	±	0.0085
Nagasaki, NAGASAKI	31	192.5	0.012	±	0.013	0.0063	±	0.0093
Uto, KUMAMOTO	31	127.8	0.041	±	0.019	0.0089	±	0.0088
Oita, OITA	31	54.0	0.016	±	0.014	0.035	±	0.010
Miyazaki, MIYAZAKI	31	35.1	0.003	±	0.014	0.0091	±	0.0087
Kagoshima, KAGOSHIMA	28	32.5	0.013	±	0.013	0.024	±	0.0088
Uruma, OKINAWA	31	77.0	0.004	±	0.022	0.011	±	0.010
May 2005								
Sapporo, HOKKAIDO	30	51.5	0.088	±	0.018	0.035	±	0.011
Aomori, AOMORI	34	53.7	0.035	±	0.016	0.11	±	0.014
Morioka, IWATE	30	111.8	0.028	±	0.013	0.038	±	0.012
Onagawa-machi, MIYAGI	34	71.5	0.014	±	0.013	0.027	±	0.0095
Akita, AKITA	30	74.6	0.032	±	0.013	0.035	±	0.010
Yamagata, YAMAGATA	30	40.2	0.018	±	0.013	0.033	±	0.010
Okuma-machi, FUKUSHIMA	30	58.5	0.041	±	0.014	0.040	±	0.0097
Mito, IBARAKI	30	57.5	0.030	±	0.016	0.021	±	0.0088
Kawachi-machi, TOCHIGI	30	116.5	0.008	±	0.011	0.017	±	0.0090
Maebashi, GUNMA	30	40.0	0.006	±	0.011	0.062	±	0.011
Saitama, SAITAMA	30	105.0	0.020	±	0.011	0.022	±	0.0076
Ichihara, CHIBA	30	99.2	0.019	±	0.012	0.0041	±	0.0082
Chiba, CHIBA	30	100.1	0.007	±	0.014	0.0000	±	0.0094
Shinjuku, TOKYO	30	175.6	0.023	±	0.015	0.0000	±	0.0077
Chigasaki, KANAGAWA	30	99.0	0.017	±	0.011	0.011	±	0.0097

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Niigata,NIIGATA	30	36.7	0.000	±	0.013	0.028	±	0.0092
Kosugi-machi,TOYAMA	29	59.7	0.033	±	0.014	0.027	±	0.010
Kanazawa,ISHIKAWA	33	121.0	0.019	±	0.014	0.035	±	0.010
Fukui,FUKUI	30	93.2	0.000	±	0.068	0.000	±	0.036
Kofu,YAMANASHI	30	37.5	0.018	±	0.014	0.0000	±	0.0082
Nagano,NAGANO	30	20.5	0.041	±	0.013	0.012	±	0.0086
Kakamigahara,GIFU	33	133.5	0.022	±	0.014	0.018	±	0.0094
Shizuoka,SHIZUOKA	30	104.0	0.038	±	0.016	0.016	±	0.0099
Nagoya,AICHI	30	75.0	0.022	±	0.015	0.0060	±	0.0088
Yokkaichi,MIE	30	96.5	0.002	±	0.012	0.015	±	0.0089
Otsu,SHIGA	30	75.7	0.0084	±	0.0098	0.022	±	0.010
Kyoto,KYOTO	33	82.0	0.010	±	0.012	0.0080	±	0.0084
Osaka,OSAKA	30	68.2	0.000	±	0.014	0.0074	±	0.0085
Kobe,HYOGO	33	52.7	0.007	±	0.013	0.012	±	0.0091
Nara,NARA	30	71.4	0.000	±	0.011	0.014	±	0.0083
Wakayama,WAKAYAMA	30	47.0	0.084	±	0.015	0.012	±	0.0086
Yurihama-machi,TOTTORI	31	72.5	0.000	±	0.015	0.027	±	0.010
Matsue,SHIMANE	30	34.1	0.012	±	0.0090	0.011	±	0.0058
Okayama,OKAYAMA	30	45.6	0.034	±	0.014	0.0000	±	0.0085
Hiroshima,HIROSHIMA	30	59.2	0.030	±	0.014	0.022	±	0.0084
Yamaguchi,YAMAGUCHI	31	64.5	0.031	±	0.014	0.036	±	0.010
Ishii-machi,TOKUSHIMA	30	39.1	0.000	±	0.012	0.016	±	0.0085
Takamatsu,KAGAWA	30	23.0	0.038	±	0.012	0.020	±	0.0095
Matsuyama,EHIME	30	97.0	0.005	±	0.012	0.0075	±	0.0090
Kochi,KOCHI	30	84.9	0.054	±	0.014	0.011	±	0.0092
Dazaifu,FUKUOKA	30	29.8	0.004	±	0.014	0.014	±	0.0082
Saga,SAGA	30	55.3	0.000	±	0.011	0.0000	±	0.0079
Nagasaki,NAGASAKI	30	82.5	0.002	±	0.012	0.0048	±	0.0087
Uto,KUMAMOTO	30	131.3	0.000	±	0.012	0.011	±	0.0084
Oita,OITA	30	56.5	0.000	±	0.012	0.0069	±	0.0081
Miyazaki,MIYAZAKI	30	82.7	0.011	±	0.013	0.0000	±	0.0069
Kagoshima,KAGOSHIMA	33	218.5	0.021	±	0.014	0.0073	±	0.0084
Uruma,OKINAWA	30	150.0	0.000	±	0.019	0.020	±	0.011

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Jun. 2005								
Sapporo, HOKKAIDO	30	50.5	0.000	±	0.011	0.022	±	0.0089
Aomori, AOMORI	30	43.2	0.001	±	0.013	0.0000	±	0.0078
Morioka, IWATE	30	99.1	0.017	±	0.012	0.0000	±	0.0085
Onagawa-machi, MIYAGI	33	54.0	0.014	±	0.012	0.0067	±	0.0082
Akita, AKITA	30	106.2	0.010	±	0.012	0.0086	±	0.0085
Yamagata, YAMAGATA	30	56.8	0.024	±	0.015	0.0026	±	0.0092
Okuma-machi, FUKUSHIMA	30	38.0	0.041	±	0.014	0.0065	±	0.0080
Mito, IBARAKI	30	47.5	0.000	±	0.010	0.0058	±	0.0080
Kawachi-machi, TOCHIGI	30	62.4	0.017	±	0.013	0.0062	±	0.0084
Maebashi, GUNMA	30	75.5	0.006	±	0.012	0.014	±	0.0084
Saitama, SAITAMA	30	143.7	0.022	±	0.011	0.013	±	0.0056
Ichihara, CHIBA	30	183.0	0.018	±	0.014	0.014	±	0.010
Chiba, CHIBA	30	184.3	0.025	±	0.017	0.0000	±	0.0081
Shinjuku, TOKYO	30	182.2	0.021	±	0.014	0.0000	±	0.0086
Chigasaki, KANAGAWA	30	170.9	0.032	±	0.013	0.0000	±	0.0074
Niigata, NIIGATA	30	144.3	0.028	±	0.018	0.020	±	0.0090
Kosugi-machi, TOYAMA	31	187.7	0.014	±	0.013	0.0000	±	0.0073
Kanazawa, ISHIKAWA	30	146.0	0.005	±	0.016	0.018	±	0.0092
Fukui, FUKUI	30	133.2	0.21	±	0.079	0.000	±	0.039
Kofu, YAMANASHI	30	88.5	0.001	±	0.013	0.0068	±	0.0090
Nagano, NAGANO	30	79.5	0.019	±	0.011	0.0087	±	0.0087
Kakamigahara, GIFU	30	143.6	0.041	±	0.013	0.015	±	0.0089
Shizuoka, SHIZUOKA	30	146.0	0.004	±	0.014	0.0000	±	0.0087
Nagoya, AICHI	30	74.2	0.010	±	0.014	0.013	±	0.0094
Yokkaichi, MIE	30	73.0	0.0000	±	0.0099	0.014	±	0.0087
Otsu, SHIGA	30	88.2	0.000	±	0.013	0.0075	±	0.0094
Kyoto, KYOTO	35	169.0	0.007	±	0.013	0.0065	±	0.0079
Osaka, OSAKA	30	65.9	0.011	±	0.011	0.0000	±	0.0095
Kobe, HYOGO	30	74.3	0.000	±	0.010	0.0000	±	0.0069
Nara, NARA	30	133.3	0.006	±	0.013	0.0036	±	0.0075
Wakayama, WAKAYAMA	30	70.0	0.16	±	0.021	0.025	±	0.010
Yurihama-machi, TOTTORI	30	45.1	0.000	±	0.015	0.0000	±	0.0080
Matsue, SHIMANE	30	46.6	0.021	±	0.010	0.016	±	0.0060
Okayama, OKAYAMA	30	33.4	0.002	±	0.012	0.0000	±	0.0087

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Hiroshima,HIROSHIMA	30	70.4	0.011	±	0.013	0.0071	±	0.0071
Yamaguchi,YAMAGUCHI	30	62.0	0.000	±	0.013	0.0000	±	0.0069
Ishii-machi,TOKUSHIMA	30	39.4	0.021	±	0.012	0.016	±	0.0083
Takamatsu,KAGAWA	30	17.5	0.004	±	0.015	0.0000	±	0.0083
Matsuyama,EHIME	30	25.0	0.006	±	0.013	0.0036	±	0.0085
Kochi,KOCHI	30	80.0	0.018	±	0.020	0.0077	±	0.0093
Dazaifu,FUKUOKA	30	23.0	0.001	±	0.014	0.0031	±	0.0074
Saga,SAGA	30	52.9	0.028	±	0.013	0.0078	±	0.0076
Nagasaki,NAGASAKI	30	54.5	0.000	±	0.013	0.0000	±	0.0085
Uto,KUMAMOTO	30	128.3	0.018	±	0.013	0.0067	±	0.0087
Oita,OITA	30	39.5	0.000	±	0.012	0.0066	±	0.0078
Miyazaki,MIYAZAKI	30	267.5	0.008	±	0.011	0.0000	±	0.0085
Kagoshima,KAGOSHIMA	30	201.0	0.000	±	0.011	0.0000	±	0.0082
Uruma,OKINAWA	30	688.0	0.000	±	0.018	0.004	±	0.010
Jul.2005								
Sapporo,HOKKAIDO	31	108.5	0.000	±	0.013	0.010	±	0.0094
Aomori,AOMORI	28	140.0	0.018	±	0.017	0.0000	±	0.0068
Morioka,IWATE	31	250.9	0.033	±	0.014	0.0000	±	0.0085
Onagawa-machi,MIYAGI	28	182.0	0.011	±	0.012	0.014	±	0.0091
Akita,AKITA	31	214.9	0.023	±	0.013	0.015	±	0.0088
Yamagata,YAMAGATA	31	108.1	0.000	±	0.012	0.0000	±	0.0083
Okuma-machi,FUKUSHIMA	31	186.0	0.018	±	0.013	0.0031	±	0.0088
Mito,IBARAKI	31	179.0	0.006	±	0.013	0.021	±	0.0094
Kawachi-machi,TOCHIGI	31	327.3	0.005	±	0.014	0.0000	±	0.0085
Maebashi,GUNMA	31	367.5	0.037	±	0.014	0.017	±	0.0086
Saitama,SAITAMA	31	228.2	0.0000	±	0.0080	0.011	±	0.0056
Ichihara,CHIBA	31	145.5	0.017	±	0.015	0.0000	±	0.0081
Chiba,CHIBA	31	241.4	0.009	±	0.013	0.0000	±	0.0083
Shinjuku,TOKYO	31	263.9	0.000	±	0.015	0.0000	±	0.0091
Chigasaki,KANAGAWA	32	251.2	0.000	±	0.012	0.0029	±	0.0087
Niigata,NIIGATA	31	90.1	0.007	±	0.014	0.019	±	0.0088
Kosugi-machi,TOYAMA	32	271.1	0.018	±	0.014	0.0092	±	0.0083
Kanazawa,ISHIKAWA	32	348.0	0.004	±	0.013	0.0089	±	0.0080
Fukui,FUKUI	31	286.0	0.000	±	0.091	0.000	±	0.044

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Kofu, YAMANASHI	31	175.5	0.017	±	0.015	0.0066	±	0.0087
Nagano, NAGANO	31	148.5	0.026	±	0.014	0.0035	±	0.0079
Kakamigahara, GIFU	29	233.0	0.026	±	0.014	0.0044	±	0.0092
Nagoya, AICHI	31	145.9	0.023	±	0.011	0.0000	±	0.0095
Yokkaichi, MIE	31	266.0	0.000	±	0.011	0.012	±	0.0084
Otsu, SHIGA	31	244.8	0.030	±	0.013	0.0099	±	0.0081
Kyoto, KYOTO	27	103.5	0.045	±	0.029	0.000	±	0.013
Osaka, OSAKA	31	191.3	0.009	±	0.014	0.0025	±	0.0079
Kobe, HYOGO	29	150.5	0.007	±	0.011	0.0000	±	0.0092
Nara, NARA	31	220.9	0.018	±	0.014	0.0059	±	0.0076
Wakayama, WAKAYAMA	32	171.5	0.037	±	0.015	0.023	±	0.0097
Yurihama-machi, TOTTORI	31	146.8	0.006	±	0.013	0.0012	±	0.0082
Okayama, OKAYAMA	31	204.5	0.015	±	0.011	0.0053	±	0.0091
Hiroshima, HIROSHIMA	31	413.8	0.000	±	0.014	0.023	±	0.0089
Yamaguchi, YAMAGUCHI	31	442.0	0.000	±	0.012	0.0000	±	0.0072
Ishii-machi, TOKUSHIMA	31	125.2	0.040	±	0.014	0.0066	±	0.0075
Takamatsu, KAGAWA	31	199.5	0.013	±	0.017	0.0000	±	0.0085
Matsuyama, EHIME	31	460.5	0.000	±	0.012	0.0000	±	0.0077
Kochi, KOCHI	31	243.7	0.078	±	0.019	0.0048	±	0.0078
Dazaifu, FUKUOKA	31	347.2	0.036	±	0.015	0.0000	±	0.0076
Saga, SAGA	31	293.3	0.012	±	0.013	0.0031	±	0.0075
Nagasaki, NAGASAKI	31	327.5	0.023	±	0.016	0.013	±	0.0085
Uto, KUMAMOTO	31	451.1	0.002	±	0.015	0.0000	±	0.0075
Oita, OITA	31	397.0	0.003	±	0.012	0.0000	±	0.0079
Miyazaki, MIYAZAKI	31	198.1	0.008	±	0.011	0.0000	±	0.0088
Kagoshima, KAGOSHIMA	29	117.5	0.021	±	0.013	0.0000	±	0.0085
Uruma, OKINAWA	31	0.0	0.034	±	0.015	0.0000	±	0.0099
Aug. 2005								
Sapporo, HOKKAIDO	31	110.5	0.000	±	0.018	0.0000	±	0.0098
Aomori, AOMORI	33	89.8	0.000	±	0.014	0.0000	±	0.0070
Morioka, IWATE	31	144.2	0.015	±	0.012	0.0019	±	0.0090
Onagawa-machi, MIYAGI	31	99.0	0.014	±	0.013	0.015	±	0.0086
Akita, AKITA	31	184.2	0.028	±	0.013	0.011	±	0.0088
Yamagata, YAMAGATA	31	205.0	0.001	±	0.013	0.017	±	0.0085

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Okuma-machi, FUKUSHIMA	31	265.0	0.000	±	0.011	0.010	±	0.0091
Mito, IBARAKI	31	191.5	0.009	±	0.013	0.0063	±	0.0085
Kawachi-machi, TOCHIGI	31	221.4	0.010	±	0.015	0.0000	±	0.0091
Maebashi, GUNMA	31	257.0	0.023	±	0.013	0.0045	±	0.0088
Saitama, SAITAMA	31	260.7	0.0086	±	0.0081	0.0025	±	0.0057
Ichihara, CHIBA	31	193.5	0.014	±	0.013	0.0000	±	0.0084
Chiba, CHIBA	31	230.5	0.014	±	0.012	0.0000	±	0.0089
Shinjuku, TOKYO	31	205.3	0.000	±	0.015	0.0000	±	0.0079
Chigasaki, KANAGAWA	30	265.3	0.042	±	0.013	0.010	±	0.0091
Niigata, NIIGATA	31	135.7	0.035	±	0.013	0.0000	±	0.0086
Kosugi-machi, TOYAMA	30	244.7	0.015	±	0.015	0.0000	±	0.0075
Kanazawa, ISHIKAWA	32	220.5	0.000	±	0.012	0.0052	±	0.0075
Fukui, FUKUI	31	225.4	0.11	±	0.073	0.000	±	0.039
Kofu, YAMANASHI	31	84.0	0.018	±	0.015	0.0000	±	0.0072
Nagano, NAGANO	31	167.5	0.008	±	0.012	0.011	±	0.0085
Kakamigahara, GIFU	33	335.2	0.024	±	0.013	0.0000	±	0.0079
Shizuoka, SHIZUOKA	32	273.5	0.006	±	0.014	0.0000	±	0.0083
Nagoya, AICHI	31	79.4	0.017	±	0.011	0.0000	±	0.0087
Yokkaichi, MIE	31	102.0	0.0000	±	0.0099	0.0061	±	0.0084
Otsu, SHIGA	31	165.6	0.022	±	0.015	0.0055	±	0.0088
Kyoto, KYOTO	31	92.0	0.005	±	0.014	0.0012	±	0.0079
Osaka, OSAKA	31	69.3	0.019	±	0.017	0.0045	±	0.0079
Kobe, HYOGO	33	89.3	0.002	±	0.012	0.0012	±	0.0081
Nara, NARA	31	72.8	0.013	±	0.013	0.0000	±	0.0081
Wakayama, WAKAYAMA	30	56.5	0.16	±	0.027	0.017	±	0.0094
Yurihama-machi, TOTTORI	31	113.1	0.000	±	0.014	0.0000	±	0.0081
Okayama, OKAYAMA	31	78.5	0.024	±	0.012	0.0036	±	0.0081
Hiroshima, HIROSHIMA	31	82.1	0.043	±	0.015	0.0026	±	0.0094
Yamaguchi, YAMAGUCHI	31	31.5	0.034	±	0.012	0.0000	±	0.0071
Ishii-machi, TOKUSHIMA	31	84.3	0.015	±	0.010	0.0000	±	0.0086
Takamatsu, KAGAWA	31	30.5	0.039	±	0.015	0.0012	±	0.0084
Matsuyama, EHIME	31	43.5	0.022	±	0.014	0.0000	±	0.0081
Kochi, KOCHI	31	209.5	0.097	±	0.025	0.0000	±	0.0090
Dazaifu, FUKUOKA	31	68.7	0.007	±	0.013	0.0000	±	0.0080

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Saga, SAGA	31	72.6	0.000	±	0.011	0.0030	±	0.0073
Nagasaki, NAGASAKI	31	168.5	0.033	±	0.013	0.0006	±	0.0077
Uto, KUMAMOTO	31	66.5	0.000	±	0.015	0.0000	±	0.0081
Oita, OITA	31	109.5	0.035	±	0.012	0.0031	±	0.0085
Miyazaki, MIYAZAKI	31	445.5	0.000	±	0.011	0.0000	±	0.0080
Kagoshima, KAGOSHIMA	33	328.5	0.018	±	0.013	0.014	±	0.0090
Uruma, OKINAWA	31	78.0	0.042	±	0.018	0.000	±	0.010
Sep. 2005								
Sapporo, HOKKAIDO	29	116.5	0.015	±	0.013	0.0075	±	0.0082
Aomori, AOMORI	33	136.0	0.008	±	0.011	0.012	±	0.0092
Morioka, IWATE	32	231.1	0.004	±	0.011	0.0000	±	0.0089
Onagawa-machi, MIYAGI	32	89.5	0.007	±	0.012	0.026	±	0.0095
Akita, AKITA	32	172.2	0.019	±	0.013	0.025	±	0.0095
Yamagata, YAMAGATA	32	54.1	0.009	±	0.014	0.0049	±	0.0080
Okuma-machi, FUKUSHIMA	32	141.0	0.025	±	0.014	0.0000	±	0.0083
Mito, IBARAKI	32	45.0	0.000	±	0.012	0.014	±	0.0088
Kawachi-machi, TOCHIGI	32	71.4	0.000	±	0.012	0.0000	±	0.0083
Maebashi, GUNMA	32	93.0	0.020	±	0.015	0.024	±	0.0096
Saitama, SAITAMA	32	173.7	0.013	±	0.0085	0.0000	±	0.0057
Ichihara, CHIBA	32	66.5	0.030	±	0.014	0.0000	±	0.0091
Chiba, CHIBA	32	68.2	0.021	±	0.013	0.0000	±	0.0079
Shinjuku, TOKYO	32	145.08	0.020	±	0.011	0.0000	±	0.0070
Chigasaki, KANAGAWA	29	183.8	0.021	±	0.012	0.0000	±	0.0087
Niigata, NIIGATA	32	89.6	0.001	±	0.011	0.022	±	0.0092
Kosugi-machi, TOYAMA	29	194.2	0.035	±	0.015	0.0000	±	0.0080
Kanazawa, ISHIKAWA	28	156.0	0.028	±	0.015	0.016	±	0.0087
Fukui, FUKUI	32	128.6	0.078	±	0.067	0.000	±	0.063
Kofu, YAMANASHI	32	85.0	0.016	±	0.012	0.011	±	0.0093
Nagano, NAGANO	32	89.0	0.003	±	0.011	0.0000	±	0.0069
Kakamigahara, GIFU	30	151.8	0.016	±	0.013	0.0000	±	0.0090
Shizuoka, SHIZUOKA	31	125.0	0.068	±	0.019	0.0000	±	0.0082
Nagoya, AICHI	32	73.8	0.043	±	0.017	0.0000	±	0.0075
Yokkaichi, MIE	32	175.5	0.000	±	0.010	0.0012	±	0.0078
Otsu, SHIGA	32	114.6	0.027	±	0.012	0.021	±	0.0095

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Kyoto, KYOTO	29	90.5	0.000	±	0.015	0.012	±	0.0085
Osaka, OSAKA	32	96.0	0.004	±	0.012	0.0000	±	0.0072
Kobe, HYOGO	30	61.2	0.002	±	0.013	0.0076	±	0.0087
Nara, NARA	32	195.1	0.004	±	0.012	0.016	±	0.0085
Wakayama, WAKAYAMA	32	102.0	0.041	±	0.018	0.0031	±	0.0083
Okayama, OKAYAMA	32	82.7	0.008	±	0.012	0.0000	±	0.0078
Hiroshima, HIROSHIMA	29	198.0	0.036	±	0.014	0.0012	±	0.0085
Yamaguchi, YAMAGUCHI	30	279.0	0.000	±	0.015	0.0000	±	0.0086
Ishii-machi, TOKUSHIMA	32	201.6	0.022	±	0.014	0.006	±	0.011
Takamatsu, KAGAWA	32	117.0	0.016	±	0.014	0.0000	±	0.0079
Matsuyama, EHIME	32	84.0	0.033	±	0.015	0.0042	±	0.0073
Kochi, KOCHI	29	344.7	0.042	±	0.016	0.0000	±	0.0092
Dazaifu, FUKUOKA	32	137.3	0.024	±	0.014	0.0000	±	0.0080
Saga, SAGA	32	153.1	0.028	±	0.014	0.0000	±	0.0078
Nagasaki, NAGASAKI	32	100.5	0.017	±	0.012	0.0000	±	0.0064
Uto, KUMAMOTO	32	184.1	0.027	±	0.014	0.0000	±	0.0086
Oita, OITA	32	415.5	0.016	±	0.012	0.0085	±	0.0093
Miyazaki, MIYAZAKI	32	632.0	0.018	±	0.013	0.017	±	0.0092
Kagoshima, KAGOSHIMA	30	327.0	0.026	±	0.014	0.014	±	0.010
Uruma, OKINAWA	32	64.5	0.022	±	0.016	0.008	±	0.012
Oct. 2005								
Sapporo, HOKKAIDO	32	69.5	0.021	±	0.013	0.0055	±	0.0096
Aomori, AOMORI	28	105.6	0.005	±	0.012	0.012	±	0.0092
Morioka, IWATE	29	57.0	0.000	±	0.012	0.0060	±	0.0085
Onagawa-machi, MIYAGI	29	89.5	0.000	±	0.013	0.0036	±	0.0081
Akita, AKITA	29	148.4	0.000	±	0.012	0.016	±	0.0089
Yamagata, YAMAGATA	29	66.6	0.025	±	0.014	0.0000	±	0.0084
Okuma-machi, FUKUSHIMA	29	87.0	0.034	±	0.015	0.0079	±	0.0090
Mito, IBARAKI	29	164.5	0.018	±	0.014	0.029	±	0.0099
Kawachi-machi, TOCHIGI	29	140.2	0.011	±	0.012	0.0000	±	0.0081
Maebashi, GUNMA	29	71.0	0.001	±	0.014	0.0000	±	0.0078
Saitama, SAITAMA	29	165.5	0.011	±	0.0084	0.0076	±	0.0052
Ichihara, CHIBA	29	167.6	0.0000	±	0.0094	0.0006	±	0.0085
Chiba, CHIBA	29	160.5	0.032	±	0.016	0.0012	±	0.0077

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Shinjuku,TOKYO	29	228.52	0.018	±	0.012	0.0000	±	0.0080
Chigasaki,KANAGAWA	32	181.2	0.022	±	0.013	0.0000	±	0.0083
Niigata,NIIGATA	29	174.7	0.000	±	0.012	0.0006	±	0.0080
Imizu,TOYAMA	32	152.4	0.005	±	0.015	0.0046	±	0.0087
Kanazawa,ISHIKAWA	32	197.5	0.011	±	0.014	0.0027	±	0.0098
Fukui,FUKUI	29	167.3	0.087	±	0.057	0.010	±	0.038
Kofu,YAMANASHI	29	115.0	0.020	±	0.016	0.0094	±	0.0082
Nagano,NAGANO	29	38.0	0.000	±	0.011	0.0099	±	0.0080
Kakamigahara,GIFU	31	135.7	0.042	±	0.034	0.000	±	0.012
Shizuoka,SHIZUOKA	29	206.0	0.026	±	0.017	0.021	±	0.0088
Nagoya,AICHI	29	86.6	0.000	±	0.014	0.0059	±	0.0082
Yokkaichi,MIE	29	81.0	0.037	±	0.020	0.0067	±	0.0083
Otsu,SHIGA	29	118.7	0.017	±	0.012	0.0000	±	0.0072
Kyoto,KYOTO	32	104.5	0.000	±	0.015	0.0035	±	0.0080
Osaka,OSAKA	29	145.3	0.017	±	0.013	0.0055	±	0.0081
Kobe,HYOGO	31	95.4	0.014	±	0.013	0.0000	±	0.0092
Nara,NARA	29	265.7	0.000	±	0.013	0.0000	±	0.0068
Wakayama,WAKAYAMA	29	253.5	0.082	±	0.023	0.0000	±	0.0076
Yurihama-machi,TOTTORI	31	207.6	0.025	±	0.014	0.012	±	0.0084
Okayama,OKAYAMA	29	70.2	0.001	±	0.011	0.0061	±	0.0085
Hiroshima,HIROSHIMA	33	75.3	0.024	±	0.014	0.0082	±	0.0088
Yamaguchi,YAMAGUCHI	31	41.5	0.021	±	0.014	0.0000	±	0.0082
Ishii-machi,TOKUSHIMA	29	122.5	0.0000	±	0.0089	0.0000	±	0.0081
Takamatsu,KAGAWA	29	81.0	0.000	±	0.013	0.0000	±	0.0084
Matsuyama,EHIME	29	111.5	0.013	±	0.014	0.0042	±	0.0073
Kochi,KOCHI	32	94.3	0.034	±	0.015	0.0000	±	0.0088
Dazaifu,FUKUOKA	29	25.2	0.012	±	0.012	0.015	±	0.0089
Saga,SAGA	29	12.4	0.026	±	0.012	0.0000	±	0.0078
Nagasaki,NAGASAKI	29	19.5	0.022	±	0.016	0.0000	±	0.0077
Uto,KUMAMOTO	29	47.6	0.000	±	0.012	0.0000	±	0.0076
Oita,OITA	29	59.0	0.015	±	0.012	0.0006	±	0.0080
Miyazaki,MIYAZAKI	29	170.8	0.006	±	0.013	0.021	±	0.0091
Kagoshima,KAGOSHIMA	31	117.0	0.012	±	0.011	0.0055	±	0.0082
Uruma,OKINAWA	29	33.5	0.045	±	0.022	0.0000	±	0.0094

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Nov. 2005								
Sapporo, HOKKAIDO	30	131.5	0.031	±	0.014	0.0000	±	0.0082
Aomori, AOMORI	31	209.4	0.019	±	0.012	0.024	±	0.0099
Morioka, IWATE	30	137.3	0.011	±	0.011	0.019	±	0.0095
Onagawa-machi, MIYAGI	30	28.5	0.000	±	0.013	0.0024	±	0.0081
Akita, AKITA	30	235.1	0.037	±	0.013	0.038	±	0.0096
Yamagata, YAMAGATA	30	61.1	0.023	±	0.014	0.020	±	0.0088
Okuma-machi, FUKUSHIMA	30	39.0	0.024	±	0.013	0.013	±	0.0081
Mito, IBARAKI	30	49.5	0.026	±	0.014	0.037	±	0.010
Kawachi-machi, TOCHIGI	30	61.1	0.009	±	0.012	0.0067	±	0.0089
Maebashi, GUNMA	30	32.0	0.012	±	0.012	0.025	±	0.0089
Saitama, SAITAMA	30	26.0	0.018	±	0.0093	0.0095	±	0.0055
Ichihara, CHIBA	30	43.3	0.027	±	0.013	0.0000	±	0.0081
Chiba, CHIBA	30	39.5	0.000	±	0.011	0.0018	±	0.0091
Shinjuku, TOKYO	30	36.5	0.026	±	0.012	0.0000	±	0.0072
Chigasaki, KANAGAWA	30	35.5	0.014	±	0.011	0.0046	±	0.0068
Niigata, NIIGATA	30	221.1	0.000	±	0.011	0.011	±	0.0092
Imizu, TOYAMA	30	194.4	0.023	±	0.014	0.020	±	0.0086
Kanazawa, ISHIKAWA	29	145.5	0.000	±	0.012	0.034	±	0.010
Fukui, FUKUI	30	185.4	0.000	±	0.059	0.000	±	0.041
Kofu, YAMANASHI	30	26.0	0.010	±	0.016	0.0000	±	0.0076
Nagano, NAGANO	30	34.5	0.000	±	0.014	0.0000	±	0.0070
Kakamigahara, GIFU	30	113.1	0.005	±	0.017	0.0072	±	0.0081
Shizuoka, SHIZUOKA	30	41.0	0.004	±	0.015	0.021	±	0.0084
Nagoya, AICHI	30	45.2	0.006	±	0.016	0.0000	±	0.0077
Yokkaichi, MIE	30	36.0	0.000	±	0.011	0.0000	±	0.0082
Otsu, SHIGA	30	39.2	0.007	±	0.014	0.0000	±	0.0078
Kyoto, KYOTO	30	29.0	0.020	±	0.013	0.0000	±	0.0071
Osaka, OSAKA	30	33.4	0.020	±	0.014	0.0040	±	0.0089
Kobe, HYOGO	30	27.9	0.019	±	0.010	0.0000	±	0.0065
Nara, NARA	30	36.0	0.002	±	0.015	0.0000	±	0.0063
Wakayama, WAKAYAMA	31	60.0	0.073	±	0.027	0.0055	±	0.0082
Yurihama-machi, TOTTORI	30	251.3	0.014	±	0.012	0.013	±	0.0081
Matsue, SHIMANE	31	133.1	0.014	±	0.0085	0.0038	±	0.0053

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Okayama, OKAYAMA	30	33.2	0.008	±	0.015	0.0000	±	0.0080
Hiroshima, HIROSHIMA	29	76.6	0.016	±	0.013	0.0018	±	0.0092
Yamaguchi, YAMAGUCHI	30	117.0	0.022	±	0.014	0.0000	±	0.0079
Ishii-machi, TOKUSHIMA	30	48.3	0.009	±	0.012	0.015	±	0.0085
Takamatsu, KAGAWA	30	30.5	0.002	±	0.013	0.0000	±	0.0081
Matsuyama, EHIME	30	64.0	0.018	±	0.015	0.0030	±	0.0072
Kochi, KOCHI	30	113.5	0.022	±	0.013	0.019	±	0.0098
Dazaifu, FUKUOKA	30	89.5	0.000	±	0.011	0.0000	±	0.0074
Saga, SAGA	30	106.8	0.003	±	0.011	0.0000	±	0.0077
Nagasaki, NAGASAKI	30	60.0	0.019	±	0.015	0.0000	±	0.0079
Uto, KUMAMOTO	30	62.2	0.005	±	0.011	0.016	±	0.0082
Oita, OITA	30	98.5	0.017	±	0.014	0.0000	±	0.0078
Miyazaki, MIYAZAKI	30	69.7	0.030	±	0.015	0.0090	±	0.0078
Kagoshima, KAGOSHIMA	30	129.5	0.009	±	0.012	0.0000	±	0.0077
Uruma, OKINAWA	30	49.0	0.000	±	0.028	0.019	±	0.016
Dec. 2005								
Sapporo, HOKKAIDO	27	33.0	0.005	±	0.010	0.0012	±	0.0068
Aomori, AOMORI	34	120.2	0.000	±	0.011	0.0072	±	0.0089
Morioka, IWATE	34	103.0	0.002	±	0.012	0.0082	±	0.0094
Onagawa-machi, MIYAGI	35	64.0	0.011	±	0.016	0.015	±	0.0091
Akita, AKITA	34	241.9	0.036	±	0.015	0.0018	±	0.0086
Yamagata, YAMAGATA	34	146.8	0.000	±	0.014	0.0094	±	0.0091
Okuma-machi, FUKUSHIMA	34	47.0	0.035	±	0.014	0.040	±	0.010
Mito, IBARAKI	34	14.0	0.045	±	0.022	0.028	±	0.0098
Kawachi-machi, TOCHIGI	34	4.8	0.022	±	0.014	0.0067	±	0.0088
Maebashi, GUNMA	34	4.5	0.018	±	0.013	0.016	±	0.010
Saitama, SAITAMA	34	4.5	0.0054	±	0.0073	0.043	±	0.0078
Ichihara, CHIBA	34	9.3	0.024	±	0.015	0.013	±	0.010
Chiba, CHIBA	34	7.6	0.020	±	0.010	0.023	±	0.0092
Shinjuku, TOKYO	34	3.3	0.000	±	0.015	0.016	±	0.0078
Chigasaki, KANAGAWA	27	3.4	0.041	±	0.013	0.013	±	0.0075
Niigata, NIIGATA	34	265.2	0.006	±	0.014	0.012	±	0.0092
Imizu, TOYAMA	26	444.3	0.008	±	0.014	0.012	±	0.0091
Kanazawa, ISHIKAWA	26	388.5	0.009	±	0.012	0.024	±	0.0099

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Fukui,FUKUI	34	787.0	0.000	±	0.076	0.085	±	0.042
Kofu,YAMANASHI	34	6.0	0.010	±	0.014	0.0036	±	0.0074
Nagano,NAGANO	34	106.0	0.001	±	0.015	0.0066	±	0.0079
Kakamigahara,GIFU	27	141.6	0.000	±	0.016	0.0000	±	0.0076
Shizuoka,SHIZUOKA	34	3.5	0.026	±	0.014	0.024	±	0.0097
Nagoya,AICHI	34	49.2	0.009	±	0.013	0.015	±	0.0086
Yokkaichi,MIE	34	38.0	0.000	±	0.011	0.010	±	0.0077
Otsu,SHIGA	34	42.1	0.005	±	0.011	0.0000	±	0.0080
Kyoto,KYOTO	27	22.0	0.017	±	0.014	0.0000	±	0.0077
Osaka,OSAKA	34	31.1	0.023	±	0.014	0.0000	±	0.0080
Kobe,HYOGO	28	19.9	0.0088	±	0.010	0.0006	±	0.0083
Nara,NARA	34	39.0	0.000	±	0.013	0.010	±	0.0086
Wakayama,WAKAYAMA	33	9.0	0.094	±	0.017	0.016	±	0.0088
Yurihama-machi,TOTTORI	34	311.9	0.029	±	0.013	0.016	±	0.011
Matsue,SHIMANE	27	152.9	0.0025	±	0.0082	0.017	±	0.0068
Okayama,OKAYAMA	34	4.2	0.004	±	0.017	0.0013	±	0.0083
Hiroshima,HIROSHIMA	34	32.7	0.018	±	0.014	0.010	±	0.0081
Yamaguchi,YAMAGUCHI	34	69.0	0.012	±	0.012	0.013	±	0.0080
Ishii-machi,TOKUSHIMA	34	12.2	0.033	±	0.014	0.0006	±	0.0076
Takamatsu,KAGAWA	34	20.0	0.000	±	0.013	0.0000	±	0.0081
Matsuyama,EHIME	34	28.0	0.008	±	0.014	0.0041	±	0.0071
Kochi,KOCHI	34	14.4	0.022	±	0.015	0.0000	±	0.0078
Dazaifu,FUKUOKA	34	81.5	0.021	±	0.013	0.023	±	0.0093
Saga,SAGA	34	37.4	0.014	±	0.010	0.0000	±	0.0083
Nagasaki,NAGASAKI	34	58.5	0.016	±	0.014	0.0024	±	0.0085
Uto,KUMAMOTO	34	39.1	0.007	±	0.014	0.0000	±	0.0082
Oita,OITA	34	1.5	0.000	±	0.012	0.0041	±	0.0078
Miyazaki,MIYAZAKI	34	17.1	0.007	±	0.013	0.015	±	0.0085
Kagoshima,KAGOSHIMA	28	79.0	0.000	±	0.010	0.0045	±	0.0085
Uruma,OKINAWA	34	87.5	0.022	±	0.018	0.020	±	0.0099
Jan. 2006								
Sapporo,HOKKAIDO	35	106.0	0.007	±	0.012	0.0078	±	0.0083
Aomori,AOMORI	28	113.9	0.029	±	0.014	0.0041	±	0.0095
Morioka,IWATE	29	41.5	0.000	±	0.011	0.0000	±	0.0093

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Onagawa-machi,MIYAGI	27	13.5	0.026	±	0.014	0.011	±	0.0084
Akita,AKITA	28	73.8	0.013	±	0.013	0.015	±	0.0094
Yamagata,YAMAGATA	28	30.2	0.016	±	0.018	0.019	±	0.0087
Okuma-machi,FUKUSHIMA	28	40.0	0.015	±	0.014	0.0037	±	0.0085
Mito,IBARAKI	28	51.5	0.033	±	0.014	0.052	±	0.012
Kawachi-machi,TOCHIGI	28	26.3	0.014	±	0.013	0.0000	±	0.0077
Maebashi,GUNMA	28	18.5	0.007	±	0.012	0.0000	±	0.0095
Saitama,SAITAMA	28	55.5	0.0091	±	0.0077	0.0091	±	0.0068
Ichihara,CHIBA	28	116.0	0.000	±	0.018	0.028	±	0.012
Chiba,CHIBA	28	100.3	0.022	±	0.011	0.015	±	0.0087
Shinjuku,TOKYO	29	70.4	0.007	±	0.012	0.0006	±	0.0078
Chigasaki,KANAGAWA	34	62.8	0.016	±	0.015	0.031	±	0.0093
Niigata,NIIGATA	28	56.4	0.032	±	0.014	0.0068	±	0.0094
Imizu,TOYAMA	35	188.7	0.022	±	0.019	0.037	±	0.0098
Kanazawa,ISHIKAWA	36	200.0	0.013	±	0.013	0.043	±	0.011
Fukui,FUKUI	28	230.3	0.000	±	0.074	0.069	±	0.039
Kofu,YAMANASHI	28	24.5	0.023	±	0.015	0.0024	±	0.0072
Nagano,NAGANO	28	39.5	0.016	±	0.015	0.0006	±	0.0073
Kakamigahara,GIFU	35	80.6	0.059	±	0.050	0.0000	±	0.0078
Shizuoka,SHIZUOKA	28	92.0	0.013	±	0.014	0.047	±	0.011
Nagoya,AICHI	28	50.4	0.034	±	0.015	0.0076	±	0.0077
Yokkaichi,MIE	28	57.5	0.009	±	0.015	0.016	±	0.0079
Otsu,SHIGA	28	52.8	0.000	±	0.013	0.014	±	0.0077
Kyoto,KYOTO	36	61.5	0.027	±	0.013	0.021	±	0.0088
Osaka,OSAKA	29	70.3	0.021	±	0.013	0.010	±	0.0091
Kobe,HYOGO	34	22.8	0.021	±	0.010	0.010	±	0.0079
Nara,NARA	28	53.0	0.000	±	0.012	0.016	±	0.0085
Wakayama,WAKAYAMA	34	78.5	0.10	±	0.020	0.019	±	0.0099
Yurihama-machi,TOTTORI	28	105.5	0.016	±	0.014	0.037	±	0.011
Matsue,SHIMANE	36	91.0	0.021	±	0.010	0.063	±	0.0088
Okayama,OKAYAMA	28	39.6	0.000	±	0.015	0.017	±	0.0093
Hiroshima,HIROSHIMA	28	36.3	0.021	±	0.016	0.021	±	0.0090
Yamaguchi,YAMAGUCHI	28	50.5	0.026	±	0.014	0.028	±	0.010
Ishii-machi,TOKUSHIMA	28	49.4	0.005	±	0.014	0.019	±	0.0086

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Takamatsu, KAGAWA	28	48.5	0.019	±	0.012	0.020	±	0.010
Matsuyama, EHIME	28	38.0	0.010	±	0.010	0.0043	±	0.0090
Kochi, KOCHI	28	96.0	0.008	±	0.015	0.0000	±	0.0081
Dazaifu, FUKUOKA	28	56.1	0.019	±	0.012	0.080	±	0.012
Saga, SAGA	28	37.4	0.039	±	0.013	0.022	±	0.010
Nagasaki, NAGASAKI	28	62.0	0.004	±	0.013	0.021	±	0.0094
Uto, KUMAMOTO	28	82.5	0.002	±	0.013	0.034	±	0.010
Oita, OITA	28	68.0	0.012	±	0.016	0.019	±	0.0083
Miyazaki, MIYAZAKI	28	161.9	0.022	±	0.014	0.010	±	0.0082
Kagoshima, KAGOSHIMA	34	97.5	0.018	±	0.014	0.023	±	0.0097
Uruma, OKINAWA	28	260.5	0.000	±	0.013	0.023	±	0.011
Feb. 2006								
Sapporo, HOKKAIDO	28	50.0	0.30	±	0.027	0.018	±	0.0093
Aomori, AOMORI	27	61.8	0.002	±	0.012	0.045	±	0.010
Morioka, IWATE	27	55.6	0.017	±	0.014	0.0000	±	0.0087
Onagawa-machi, MIYAGI	29	60.0	0.014	±	0.015	0.014	±	0.0090
Akita, AKITA	28	138.0	0.004	±	0.012	0.020	±	0.0086
Yamagata, YAMAGATA	28	68.6	0.000	±	0.015	0.0087	±	0.0087
Okuma-machi, FUKUSHIMA	28	58.5	0.023	±	0.015	0.0036	±	0.0082
Mito, IBARAKI	28	93.5	0.006	±	0.013	0.011	±	0.0088
Kawachi-machi, TOCHIGI	28	69.9	0.005	±	0.011	0.0000	±	0.0081
Maebashi, GUNMA	28	62.0	0.020	±	0.013	0.035	±	0.011
Saitama, SAITAMA	28	113.7	0.016	±	0.0086	0.014	±	0.0074
Ichihara, CHIBA	28	125.3	0.022	±	0.016	0.0046	±	0.0083
Chiba, CHIBA	28	106.7	0.014	±	0.011	0.012	±	0.0085
Shinjuku, TOKYO	28	120.94	0.007	±	0.011	0.0000	±	0.0070
Chigasaki, KANAGAWA	28	152.5	0.013	±	0.014	0.012	±	0.0089
Niigata, NIIGATA	28	85.6	0.018	±	0.013	0.018	±	0.010
Imizu, TOYAMA	28	149.0	0.020	±	0.012	0.0012	±	0.0085
Kanazawa, ISHIKAWA	28	172.5	0.033	±	0.014	0.022	±	0.0089
Fukui, FUKUI	28	170.1	0.068	±	0.083	0.071	±	0.041
Kofu, YAMANASHI	28	119.0	0.000	±	0.012	0.016	±	0.0083
Nagano, NAGANO	28	55.0	0.016	±	0.016	0.0012	±	0.0075
Kakamigahara, GIFU	28	157.8	0.000	±	0.033	0.0000	±	0.0074

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Shizuoka,SHIZUOKA	28	194.5	0.000	±	0.011	0.0000	±	0.0081
Nagoya,AICHI	28	126.2	0.000	±	0.013	0.0000	±	0.0069
Yokkaichi,MIE	28	119.0	0.003	±	0.011	0.0063	±	0.0082
Otsu,SHIGA	28	114.0	0.007	±	0.012	0.0080	±	0.0081
Kyoto,KYOTO	26	68.0	0.055	±	0.017	0.0053	±	0.0078
Osaka,OSAKA	27	86.7	0.005	±	0.013	0.016	±	0.0083
Kobe,HYOGO	28	107.5	0.007	±	0.012	0.0099	±	0.0080
Nara,NARA	28	185.7	0.000	±	0.011	0.0091	±	0.0079
Wakayama,WAKAYAMA	22	94.0	0.052	±	0.017	0.0000	±	0.0081
Yurihama-machi,TOTTORI	28	155.0	0.014	±	0.015	0.0050	±	0.0088
Matsue,SHIMANE	26	76.0	0.013	±	0.0085	0.015	±	0.0063
Okayama,OKAYAMA	28	74.8	0.000	±	0.016	0.019	±	0.012
Hiroshima,HIROSHIMA	28	93.7	0.006	±	0.013	0.010	±	0.0084
Yamaguchi,YAMAGUCHI	28	112.5	0.009	±	0.014	0.020	±	0.0092
Ishii-machi,TOKUSHIMA	28	127.1	0.004	±	0.013	0.0000	±	0.0069
Takamatsu,KAGAWA	28	58.5	0.029	±	0.016	0.0000	±	0.0077
Matsuyama,EHIME	28	74.0	0.000	±	0.010	0.0000	±	0.0084
Dazaifu,FUKUOKA	28	138.2	0.015	±	0.013	0.0000	±	0.0069
Saga,SAGA	28	119.5	0.017	±	0.011	0.0000	±	0.0082
Nagasaki,NAGASAKI	28	124.5	0.046	±	0.016	0.0000	±	0.0072
Uto,KUMAMOTO	28	132.4	0.017	±	0.013	0.0000	±	0.0075
Oita,OITA	28	146.5	0.003	±	0.015	0.013	±	0.014
Miyazaki,MIYAZAKI	28	168.8	0.041	±	0.016	0.0011	±	0.0071
Kagoshima,KAGOSHIMA	28	136.5	0.015	±	0.014	0.011	±	0.0081
Uruma,OKINAWA	28	80.5	0.018	±	0.017	0.0000	±	0.0097
Mar.2006								
Sapporo,HOKKAIDO	30	84.0	0.023	±	0.012	0.051	±	0.012
Aomori,AOMORI	31	39.0	0.022	±	0.014	0.10	±	0.014
Morioka,IWATE	33	145.5	0.045	±	0.018	0.071	±	0.012
Onagawa-machi,MIYAGI	32	87.5	0.015	±	0.016	0.029	±	0.0099
Akita,AKITA	33	171.9	0.064	±	0.017	0.20	±	0.017
Yamagata,YAMAGATA	33	103.0	0.015	±	0.013	0.055	±	0.012
Okuma-machi,FUKUSHIMA	33	60.0	0.000	±	0.013	0.082	±	0.012
Mito,IBARAKI	33	72.0	0.028	±	0.013	0.058	±	0.012

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Kawachi-machi,TOCHIGI	33	60.9	0.012	±	0.011	0.028	±	0.0096
Maebashi,GUNMA	33	34.0	0.028	±	0.014	0.072	±	0.013
Saitama,SAITAMA	33	75.7	0.0048	±	0.0094	0.082	±	0.010
Ichihara,CHIBA	33	96.7	0.033	±	0.013	0.024	±	0.0099
Chiba,CHIBA	33	101.6	0.017	±	0.011	0.018	±	0.0092
Shinjuku,TOKYO	32	79.82	0.033	±	0.013	0.039	±	0.010
Chigasaki,KANAGAWA	31	101.9	0.029	±	0.016	0.032	±	0.0089
Niigata,NIIGATA	33	163.8	0.039	±	0.015	0.16	±	0.017
Imizu,TOYAMA	34	250.1	0.045	±	0.016	0.11	±	0.014
Kanazawa,ISHIKAWA	31	232.0	0.035	±	0.014	0.18	±	0.017
Fukui,FUKUI	34	239.7	0.047	±	0.082	0.29	±	0.063
Kofu,YAMANASHI	34	71.0	0.006	±	0.015	0.032	±	0.0096
Nagano,NAGANO	33	91.0	0.000	±	0.012	0.056	±	0.011
Kakamigahara,GIFU	31	170.9	0.000	±	0.014	0.020	±	0.011
Shizuoka,SHIZUOKA	33	195.5	0.028	±	0.017	0.038	±	0.010
Nagoya,AICHI	33	128.2	0.023	±	0.015	0.021	±	0.0089
Yokkaichi,MIE	33	100.5	0.043	±	0.015	0.11	±	0.015
Otsu,SHIGA	33	127.9	0.024	±	0.014	0.051	±	0.011
Kyoto,KYOTO	31	108.0	0.035	±	0.014	0.044	±	0.010
Osaka,OSAKA	30	102.3	0.012	±	0.013	0.025	±	0.0094
Kobe,HYOGO	31	132.3	0.014	±	0.012	0.031	±	0.011
Nara,NARA	33	145.1	0.025	±	0.014	0.071	±	0.012
Wakayama,WAKAYAMA	36	145.5	0.028	±	0.020	0.038	±	0.011
Yurihama-machi,TOTTORI	33	162.5	0.080	±	0.018	0.26	±	0.019
Okayama,OKAYAMA	33	71.6	0.027	±	0.019	0.019	±	0.0096
Hiroshima,HIROSHIMA	30	93.3	0.014	±	0.018	0.068	±	0.013
Yamaguchi,YAMAGUCHI	31	98.0	0.032	±	0.017	0.19	±	0.017
Ishii-machi,TOKUSHIMA	33	94.1	0.000	±	0.013	0.014	±	0.0092
Takamatsu,KAGAWA	33	71.5	0.007	±	0.015	0.032	±	0.010
Matsuyama,EHIME	33	87.5	0.024	±	0.013	0.069	±	0.012
Kochi,KOCHI	32	108.7	0.059	±	0.019	0.025	±	0.0094
Dazaifu,FUKUOKA	33	91.9	0.026	±	0.013	0.13	±	0.014
Saga,SAGA	33	75.1	0.008	±	0.016	0.061	±	0.012
Nagasaki,NAGASAKI	33	119.5	0.009	±	0.012	0.052	±	0.011

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Uto,KUMAMOTO	33	125.8	0.036	±	0.015	0.055	±	0.011
Oita,OITA	33	57.5	0.031	±	0.013	0.033	±	0.0092
Miyazaki,MIYAZAKI	33	133.1	0.036	±	0.014	0.022	±	0.0088
Kagoshima,KAGOSHIMA	31	121.5	0.005	±	0.011	0.020	±	0.0097
Uruma,OKINAWA	33	146.0	0.011	±	0.014	0.007	±	0.010

(2) Strontium-90 and Cesium-137 in Airborne dust
(from Apr.2005 to Apr.2006)
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.2005～Jun.2005										
Morioka,IWATE	04	-	06	10368.0	0.00044	±	0.00056	0.00000	±	0.00028
Akita,AKITA	04	-	06	10800.0	0.00089	±	0.00063	0.00021	±	0.00030
Yamagata,YAMAGATA	04	-	06	12960.0	0.00046	±	0.00047	0.00012	±	0.00024
Kawachi-machi,TOCHIGI	04	-	06	14440.2	0.00082	±	0.00044	0.00034	±	0.00025
Maebashi,GUNMA	04	-	06	10195.1	0.00031	±	0.00064	0.00000	±	0.00029
Ichihara,CHIBA	04	-	06	10245.5	0.00047	±	0.00059	0.00046	±	0.00033
Chigasaki,KANAGAWA	04	-	06	10079.3	0.00074	±	0.00068	0.00000	±	0.00030
Niigata,NIIGATA	04	-	06	9935.7	0.00077	±	0.00063	0.00027	±	0.00034
Kosugi-machi,TOYAMA	04	-	06	18074.4	0.00034	±	0.00032	0.00010	±	0.00017
Kofu,YAMANASHI	04	-	06	10367.1	0.00060	±	0.00055	0.00000	±	0.00027
Nagano,NAGANO	04	-	06	11206.3	0.0010	±	0.00060	0.00000	±	0.00028
Kakamigahara,GIFU	04	-	06	11897.3	0.0018	±	0.00062	0.00025	±	0.00027
Omaezaki,SHIZUOKA	04	-	06	10392.0	0.00000	±	0.00066	0.00075	±	0.00036
Nagoya,AICHI	04	-	06	10366.0	0.00060	±	0.00049	0.00000	±	0.00029
Yokkaichi,MIE	04	-	06	14570.2	0.00007	±	0.00040	0.00000	±	0.00020
Otsu,SHIGA	04	-	06	10017.2	0.00036	±	0.00058	0.00065	±	0.00034
Kyoto,KYOTO	04	-	06	10311.6	0.00028	±	0.00063	0.00036	±	0.00032
Osaka,OSAKA	04	-	06	15807.4	0.00068	±	0.00044	0.00019	±	0.00020
Kobe,HYOGO	04	-	06	10367.4	0.0012	±	0.00069	0.0012	±	0.00037
Nara,NARA	04	-	06	10461.0	0.0015	±	0.00055	0.00028	±	0.00030
Wakayama,WAKAYAMA	04	-	06	11835.6	0.00037	±	0.00047	0.00000	±	0.00022
Yurihama-machi,TOTTORI	04	-	06	14340.0	0.00000	±	0.00048	0.00018	±	0.00031
Okayama,OKAYAMA	04	-	06	13514.4	0.00072	±	0.00057	0.00040	±	0.00025
Hiroshima,HIROSHIMA	04	-	06	10301.2	0.00045	±	0.00057	0.00000	±	0.00026
Yamaguchi,YAMAGUCHI	04	-	06	21839.4	0.00064	±	0.00035	0.00025	±	0.00016
Tokushima,TOKUSHIMA	04	-	06	10080.0	0.0013	±	0.00060	0.00000	±	0.00038
Takamatsu,KAGAWA	04	-	06	9742.4	0.00095	±	0.00067	0.00041	±	0.00035
Saga,SAGA	04	-	06	10211.3	0.0019	±	0.00070	0.0026	±	0.00044
Nagasaki,NAGASAKI	04	-	06	8640.0	0.00037	±	0.00082	0.00031	±	0.00037
Uto,KUMAMOTO	04	-	06	20477.8	0.00065	±	0.00027	0.00043	±	0.00017

Location	Sampling Period			Absorption (m^3)	Sr-90 (mBq/m^3)			Cs-137 (mBq/m^3)		
Oita,OITA	04	-	06	10368.0	0.00042	±	0.00066	0.00026	±	0.00031
Miyazaki,MIYAZAKI	04	-	06	13166.0	0.00000	±	0.00049	0.00042	±	0.00027
Apr.2005～Jul.2005										
Okuma-machi,FUKUSHIMA	04	-	07	10900.1	0.00041	±	0.00058	0.00000	±	0.00026
Mito,IBARAKI	04	-	07	12464.7	0.00073	±	0.00055	0.00025	±	0.00027
Fukui,FUKUI	04	-	07	12959.1	0.0010	±	0.00050	0.00000	±	0.00027
Jun.2005～Jun.2005										
Ozato-mura,OKINAWA	06	-	06	12761.7	0.00038	±	0.00042	0.00005	±	0.00024
Jul.2005～Sep.2005										
Morioka,IWATE	07	-	09	10368.0	0.00046	±	0.00053	0.00013	±	0.00029
Akita,AKITA	07	-	09	10800.0	0.00049	±	0.00050	0.00000	±	0.00026
Yamagata,YAMAGATA	07	-	09	12960.0	0.00079	±	0.00051	0.00000	±	0.00029
Okuma-machi,FUKUSHIMA	07	-	09	10000.0	0.00000	±	0.00052	0.00053	±	0.00035
Kawachi-machi,TOCHIGI	07	-	09	14110.9	0.00068	±	0.00037	0.00006	±	0.00021
Maebashi,GUNMA	07	-	09	10170.7	0.00036	±	0.00068	0.00007	±	0.00032
Ichihara,CHIBA	07	-	09	10607.0	0.00033	±	0.00048	0.00009	±	0.00029
Chigasaki,KANAGAWA	07	-	09	10511.3	0.0016	±	0.00063	0.00000	±	0.00029
Niigata,NIIGATA	07	-	09	9935.7	0.00036	±	0.00052	0.00038	±	0.00034
Kosugi-machi,TOYAMA	07	-	09	18062.4	0.00063	±	0.00031	0.00013	±	0.00018
Kofu,YAMANASHI	07	-	09	10367.1	0.0013	±	0.00063	0.00000	±	0.00028
Nagano,NAGANO	07	-	09	11315.4	0.0013	±	0.00061	0.00000	±	0.00027
Kakamigahara,GIFU	07	-	09	11885.3	0.0014	±	0.00058	0.00022	±	0.00026
Omaezaki,SHIZUOKA	07	-	09	10392.0	0.00035	±	0.00060	0.00000	±	0.00030
Nagoya,AICHI	07	-	09	10366.0	0.00090	±	0.00057	0.00000	±	0.00029
Yokkaichi,MIE	07	-	09	14230.0	0.00089	±	0.00052	0.00008	±	0.00019
Otsu,SHIGA	07	-	09	9992.5	0.00000	±	0.00058	0.00000	±	0.00029
Kyoto,KYOTO	07	-	09	10296.0	0.00084	±	0.00054	0.00000	±	0.00028
Osaka,OSAKA	07	-	09	15026.9	0.00065	±	0.00041	0.00000	±	0.00019
Kobe,HYOGO	07	-	09	10367.4	0.0010	±	0.00053	0.00000	±	0.00027
Nara,NARA	07	-	09	10400.3	0.00010	±	0.00051	0.00000	±	0.00023
Wakayama,WAKAYAMA	07	-	09	11290.3	0.00049	±	0.00051	0.00014	±	0.00024
Yurihama-machi,TOTTORI	07	-	09	14340.0	0.0011	±	0.00038	0.00000	±	0.00020
Okayama,OKAYAMA	07	-	09	13680.0	0.00023	±	0.00048	0.00000	±	0.00023
Hiroshima,HIROSHIMA	07	-	09	10081.6	0.0015	±	0.00062	0.00011	±	0.00032

Location	Sampling Period			Absorption (m^3)	Sr-90 (mBq/m^3)			Cs-137 (mBq/m^3)		
Yamaguchi,YAMAGUCHI	07	–	09	21576.8	0.00007	±	0.00028	0.00000	±	0.00013
Tokushima,TOKUSHIMA	07	–	09	10080.0	0.00000	±	0.00062	0.00000	±	0.00030
Takamatsu,KAGAWA	07	–	09	9774.7	0.00051	±	0.00070	0.00000	±	0.00027
Saga,SAGA	07	–	09	11187.6	0.00028	±	0.00049	0.00000	±	0.00029
Nagasaki,NAGASAKI	07	–	09	8640.0	0.00000	±	0.00070	0.00000	±	0.00033
Uto,KUMAMOTO	07	–	09	14515.8	0.00027	±	0.00044	0.00000	±	0.00020
Oita,OITA	07	–	09	10368.0	0.00000	±	0.00057	0.00000	±	0.00026
Miyazaki,MIYAZAKI	07	–	09	13064.0	0.00000	±	0.00048	0.00000	±	0.00022
Jul.2005～Oct.2005										
Mito,IBARAKI	07	–	10	12638.7	0.00041	±	0.00042	0.00019	±	0.00026
Fukui,FUKUI	07	–	10	12959.1	0.00091	±	0.00057	0.00000	±	0.00024
Aug.2005～Sep.2005										
Ozato-mura,OKINAWA	08	–	09	11879.8	0.00062	±	0.00050	0.00010	±	0.00028
Oct.2005～Dec.2005										
Morioka,IWATE	10	–	12	10368.0	0.00000	±	0.00059	0.00007	±	0.00026
Akita,AKITA	10	–	12	10800.0	0.0012	±	0.00065	0.00000	±	0.00028
Yamagata,YAMAGATA	10	–	12	12960.0	0.00069	±	0.00043	0.00000	±	0.00023
Okuma-machi,FUKUSHIMA	10	–	12	10000.0	0.00034	±	0.00063	0.00000	±	0.00031
Kawachi-machi,TOCHIGI	10	–	12	14981.8	0.00036	±	0.00050	0.00034	±	0.00020
Maebashi,GUNMA	10	–	12	10035.9	0.00017	±	0.00060	0.00041	±	0.00033
Ichihara,CHIBA	10	–	12	10318.3	0.0013	±	0.00071	0.00000	±	0.00026
Chigasaki,KANAGAWA	10	–	12	10583.3	0.00020	±	0.00050	0.00000	±	0.00030
Niigata,NIIGATA	10	–	12	9936.9	0.00011	±	0.00062	0.00013	±	0.00033
Imizu,TOYAMA	10	–	12	18073.4	0.00021	±	0.00044	0.00000	±	0.00016
Fukui,FUKUI	10	–	12	12959.1	0.00000	±	0.00044	0.00000	±	0.00023
Kofu,YAMANASHI	10	–	12	10367.1	0.00068	±	0.00063	0.00000	±	0.00028
Nagano,NAGANO	10	–	12	11177.4	0.00063	±	0.00068	0.00000	±	0.00027
Kakamigahara,GIFU	10	–	12	11956.7	0.00045	±	0.00050	0.00016	±	0.00028
Omaezaki,SHIZUOKA	10	–	12	10247.0	0.00000	±	0.00057	0.00000	±	0.00027
Nagoya,AICHI	10	–	12	10366.2	0.00051	±	0.00056	0.00006	±	0.00030
Yokkaichi,MIE	10	–	12	14461.2	0.00047	±	0.00045	0.00003	±	0.00022
Otsu,SHIGA	10	–	12	10132.5	0.00032	±	0.00055	0.00000	±	0.00028
Kyoto,KYOTO	10	–	12	10332.0	0.00071	±	0.00058	0.00000	±	0.00029
Osaka,OSAKA	10	–	12	16086.6	0.00089	±	0.00044	0.00021	±	0.00021

Location	Sampling Period			Absorption (m^3)	Sr-90 (mBq/m^3)			Cs-137 (mBq/m^3)		
Kobe,HYOGO	10	-	12	10367.4	0.00075	±	0.00060	0.00000	±	0.00027
Nara,NARA	10	-	12	10551.1	0.00031	±	0.00055	0.00000	±	0.00028
Wakayama,WAKAYAMA	10	-	12	11239.1	0.00085	±	0.00053	0.00014	±	0.00024
Yurihama-machi,TOTTORI	10	-	12	14340.0	0.00030	±	0.00046	0.00002	±	0.00021
Okayama,OKAYAMA	10	-	12	13593.6	0.00008	±	0.00042	0.00013	±	0.00024
Hiroshima,HIROSHIMA	10	-	12	10359.0	0.0011	±	0.00072	0.00011	±	0.00031
Yamaguchi,YAMAGUCHI	10	-	12	21638.2	0.00017	±	0.00033	0.00031	±	0.00017
Tokushima,TOKUSHIMA	10	-	12	10080.0	0.00097	±	0.00063	0.00000	±	0.00030
Takamatsu,KAGAWA	10	-	12	9782.4	0.0023	±	0.00088	0.00029	±	0.00029
Saga,SAGA	10	-	12	10029.7	0.00012	±	0.00074	0.0023	±	0.00042
Nagasaki,NAGASAKI	10	-	12	8640.0	0.00059	±	0.00094	0.00008	±	0.00036
Uto,KUMAMOTO	10	-	12	13442.9	0.00018	±	0.00052	0.00000	±	0.00023
Oita,OITA	10	-	12	10368.0	0.00000	±	0.00050	0.00000	±	0.00027
Miyazaki,MIYAZAKI	10	-	12	13157.0	0.00041	±	0.00051	0.00000	±	0.00022
Ozato-mura,OKINAWA	10	-	12	11655.2	0.00045	±	0.00050	0.00000	±	0.00025
Oct.2005～Jan.2006										
Mito,IBARAKI	10	-	01	12764.6	0.00018	±	0.00052	0.00000	±	0.00023
Jan.2006～Jan.2006										
Nanjo,OKINAWA	01	-	01	11389.4	0.00000	±	0.00046	0.00006	±	0.00028
Jan.2006～Mar.2006										
Morioka,IWATE	01	-	03	10368.0	0.00015	±	0.00055	0.00007	±	0.00030
Akita,AKITA	01	-	03	10800.0	0.00041	±	0.00055	0.00000	±	0.00027
Yamagata,YAMAGATA	01	-	03	12960.0	0.00000	±	0.00047	0.00017	±	0.00026
Okuma-machi,FUKUSHIMA	01	-	03	10000.0	0.0011	±	0.00052	0.00000	±	0.00029
Kawachi-machi,TOCHIGI	01	-	03	15580.4	0.00039	±	0.00041	0.00012	±	0.00020
Maebashi,GUNMA	01	-	03	10039.2	0.00040	±	0.00064	0.00000	±	0.00029
Ichihara,CHIBA	01	-	03	10285.2	0.00000	±	0.00054	0.00043	±	0.00035
Chigasaki,KANAGAWA	01	-	03	10583.3	0.00029	±	0.00054	0.00000	±	0.00032
Niigata,NIIGATA	01	-	03	9935.9	0.00070	±	0.00059	0.00042	±	0.00035
Imizu,TOYAMA	01	-	03	18239.0	0.00076	±	0.00036	0.00002	±	0.00017
Fukui,FUKUI	01	-	03	12959.1	0.00004	±	0.00045	0.00019	±	0.00026
Kofu,YAMANASHI	01	-	03	10367.3	0.00005	±	0.00058	0.00000	±	0.00028
Nagano,NAGANO	01	-	03	11177.4	0.00051	±	0.00056	0.00000	±	0.00027
Kakamigahara,GIFU	01	-	03	11893.0	0.00000	±	0.00047	0.00000	±	0.00027

Location	Sampling Period			Absorption (m^3)	Sr-90 (mBq/m^3)			Cs-137 (mBq/m^3)		
Omaezaki,SHIZUOKA	01	–	03	10004.0	0.00087	±	0.00065	0.00000	±	0.00033
Nagoya,AICHI	01	–	03	10366.6	0.00000	±	0.00062	0.00000	±	0.00027
Yokkaichi,MIE	01	–	03	14598.7	0.00084	±	0.00047	0.00000	±	0.00022
Otsu,SHIGA	01	–	03	10132.2	0.00059	±	0.00056	0.00019	±	0.00033
Kyoto,KYOTO	01	–	03	10371.6	0.0010	±	0.00061	0.00028	±	0.00033
Osaka,OSAKA	01	–	03	17078.2	0.00006	±	0.00030	0.00014	±	0.00020
Kobe,HYOGO	01	–	03	10367.4	0.00000	±	0.00052	0.00000	±	0.00029
Nara,NARA	01	–	03	10456.8	0.00074	±	0.00060	0.00024	±	0.00030
Wakayama,WAKAYAMA	01	–	03	11037.7	0.0013	±	0.00066	0.00026	±	0.00026
Yurihama-machi,TOTTORI	01	–	03	14340.0	0.00003	±	0.00038	0.00000	±	0.00022
Okayama,OKAYAMA	01	–	03	13406.4	0.00024	±	0.00045	0.00076	±	0.00029
Hiroshima,HIROSHIMA	01	–	03	10455.9	0.0014	±	0.00065	0.00000	±	0.00032
Yamaguchi,YAMAGUCHI	01	–	03	21534.4	0.00000	±	0.00023	0.00011	±	0.00016
Takamatsu,KAGAWA	01	–	03	9748.9	0.0011	±	0.00052	0.00033	±	0.00034
Saga,SAGA	01	–	03	10604.2	0.0015	±	0.00075	0.00012	±	0.00031
Nagasaki,NAGASAKI	01	–	03	8640.0	0.0015	±	0.00070	0.00002	±	0.00037
Uto,KUMAMOTO	01	–	03	15977.9	0.00000	±	0.00043	0.00000	±	0.00017
Oita,OITA	01	–	03	10368.0	0.00060	±	0.00057	0.00000	±	0.00031
Miyazaki,MIYAZAKI	01	–	03	13093.0	0.00088	±	0.00048	0.00000	±	0.00021
Jan.2006～Apr.2006										
Mito,IBARAKI	01	–	04	11924.7	0.00000	±	0.00045	0.00000	±	0.00027
Tokushima,TOKUSHIMA	01	–	04	10080.0	0.00023	±	0.00060	0.00000	±	0.00029

(3) Strontium-90 and Cesium-137 in Service water
(from Apr.2005 to Mar.2006)
Table (3) : Strontium-90 and Cesium-137 in Service water

Location	pH (pH)	Sr-90 (mBq/L)			Cs-137 (mBq/L)		
(Source water)							
May 2005							
Sapporo,HOKKAIDO	6.7	1.3	±	0.12	0.17	±	0.046
Jun.2005							
Saitama,SAITAMA	7.6	0.16	±	0.067	0.000	±	0.037
Kisarazu,CHIBA	7.6	1.2	±	0.12	0.055	±	0.043
Katsushika,TOKYO	7.0	1.8	±	0.18	0.10	±	0.048
Tsukui-machi,KANAGAWA	8.5	0.16	±	0.083	0.037	±	0.035
Inuyama,AICHI	7.0	2.0	±	0.17	0.10	±	0.051
Moriguchi,OSAKA	7.6	2.2	±	0.18	0.10	±	0.044
Fukuoka,FUKUOKA	7.1	1.5	±	0.16	0.084	±	0.049
Jul.2005							
Nagano,NAGANO	7.0	0.93	±	0.15	0.12	±	0.050
Kyoto,KYOTO	7.5	2.0	±	0.16	0.000	±	0.041
(Tap water)							
Jun.2005							
Wakkanai,HOKKAIDO	5.9	0.88	±	0.12	0.006	±	0.038
Aomori,AOMORI	6.6	0.82	±	0.11	0.039	±	0.043
Sendai,MIYAGI	－	0.97	±	0.12	0.000	±	0.035
Yamagata,YAMAGATA	6.9	1.6	±	0.18	0.026	±	0.034
Fukushima,FUKUSHIMA	7.2	1.5	±	0.20	0.000	±	0.038
Mito,IBARAKI	7.0	1.1	±	0.12	0.040	±	0.044
Kawachi-machi,TOCHIGI	7.4	0.42	±	0.092	0.000	±	0.041
Maebashi,GUNMA	7.02	1.2	±	0.15	0.025	±	0.040
Saitama,SAITAMA	6.8	1.3	±	0.13	0.031	±	0.044
Ichihara,CHIBA	6.7	1.6	±	0.15	0.035	±	0.040
Katsushika,TOKYO	7.2	1.4	±	0.14	0.089	±	0.048
Yokosuka,KANAGAWA	7.4	0.50	±	0.084	0.015	±	0.044
Niigata,NIIGATA	7.7	1.8	±	0.16	0.067	±	0.044
Kosugi-machi,TOYAMA	7.2	0.90	±	0.11	0.000	±	0.038
Kanazawa,ISHIKAWA	8.0	1.9	±	0.25	0.061	±	0.037

Location	pH (pH)	Sr-90 (mBq/L)			Cs-137 (mBq/L)		
Fukui,FUKUI	6.6	0.53	±	0.099	0.028	±	0.044
Kofu,YAMANASHI	7.2	0.64	±	0.12	0.000	±	0.036
Nagano,NAGANO	6.9	0.46	±	0.10	0.000	±	0.035
Kakamigahara,GIFU	7.4	0.014	±	0.069	0.000	±	0.042
Shizuoka,SHIZUOKA	7.7	0.52	±	0.087	0.040	±	0.048
Nagoya,AICHI	6.8	1.5	±	0.15	0.12	±	0.051
Yokkaichi,MIE	7.7	1.9	±	0.16	0.000	±	0.036
Otsu,SHIGA	7.4	2.2	±	0.17	0.11	±	0.040
Osaka,OSAKA	7.6	2.4	±	0.25	0.000	±	0.036
Kobe,HYOGO	6.7	1.9	±	0.15	0.052	±	0.039
Nara,NARA	7.6	1.8	±	0.15	0.000	±	0.038
Yurihama-machi,TOTTORI	7.2	0.078	±	0.084	0.000	±	0.046
Okayama,OKAYAMA	6.7	1.4	±	0.14	0.000	±	0.041
Hiroshima,HIROSHIMA	6.8	2.1	±	0.18	0.000	±	0.045
Ube,YAMAGUCHI	6.4	1.8	±	0.14	0.041	±	0.039
Tokushima,TOKUSHIMA	6.9	1.0	±	0.12	0.006	±	0.036
Takamatsu,KAGAWA	7.3	2.3	±	0.17	0.000	±	0.039
Matsuyama,EHIME	7.8	1.0	±	0.12	0.031	±	0.041
Fukuoka,FUKUOKA	7.0	1.7	±	0.16	0.000	±	0.046
Saga,SAGA	7.3	1.2	±	0.12	0.10	±	0.043
Sasebo,NAGASAKI	6.9	1.2	±	0.16	0.058	±	0.049
Uto,KUMAMOTO	7.6	0.12	±	0.067	0.018	±	0.039
Oita,OITA	7.7	0.80	±	0.13	0.10	±	0.046
Miyazaki,MIYAZAKI	7.3	0.51	±	0.11	0.018	±	0.040
Jul.2005							
Morioka,IWATE	7.3	0.77	±	0.12	0.033	±	0.043
Akita,AKITA	7.1	2.1	±	0.16	0.10	±	0.045
Kyoto,KYOTO	7.0	1.9	±	0.16	0.053	±	0.044
Shingu,WAKAYAMA	7.3	1.2	±	0.14	0.000	±	0.051
Naha,OKINAWA	7.641	3.9	±	0.32	0.000	±	0.039
Aug.2005							
Kagoshima,KAGOSHIMA	7.7	0.82	±	0.13	0.21	±	0.055
Nov.2005							
Kochi,KOCHI	6.8	1.5	±	0.17	0.000	±	0.035

(4) Strontium-90 and Cesium-137 in Fresh water
(from Apr.2005 to Mar.2006)
Table (4) : Strontium-90 and Cesium-137 in Fresh water

Location	pH (pH)	Sr-90 (mBq/L)			Cs-137 (mBq/L)		
(Fresh water)							
May 2005							
IBARAKI	8.9	2.1	±	0.16	0.43	±	0.060
Jul.2005							
Ishikari,HOKKAIDO	6.9	2.2	±	0.19	0.27	±	0.069
Aug.2005							
Akita,AKITA	6.7	2.7	±	0.24	0.30	±	0.057
Tsuruga,FUKUI	7.4	2.3	±	0.18	1.4	±	0.10
Sep.2005							
Fukushima,FUKUSHIMA	7.5	0.11	±	0.098	0.024	±	0.043
Oct.2005							
NAGANO	7.1	0.84	±	0.13	0.17	±	0.056
Kameyama,MIE	7.8	5.0	±	0.24	0.000	±	0.043
Syobara,HIROSHIMA	6.6	1.4	±	0.14	0.086	±	0.061
Nov.2005							
Niigata,NIIGATA	6.7	2.3	±	0.19	0.042	±	0.046
Dec.2005							
Uji,KYOTO	6.8	0.000	±	0.059	0.000	±	0.041

(5) Strontium-90 and Cesium-137 in Soil
(from Apr. 2005 to Mar. 2006)
Table (5) : Strontium-90 and Cesium-137 in Soil

Location	Sampling depth (cm)	Sr-90 (Bq/kg)	Sr-90 (MBq/km^2)	Cs-137 (Bq/kg)	Cs-137 (MBq/km^2)
May 2005					
Tokai-mura, IBARAKI	0 - 5	4.2 ± 0.25	230 ± 14	35 ± 0.6	1900 ± 30
Tokai-mura, IBARAKI	5 - 20	5.2 ± 0.27	660 ± 34	13 ± 0.3	1600 ± 40
Tahara, AICHI	0 - 5	0.69 ± 0.12	32 ± 5.4	11 ± 0.3	500 ± 14
Tahara, AICHI	5 - 20	0.45 ± 0.10	49 ± 11	12 ± 0.3	1300 ± 40
Jun. 2005					
Takizawa-mura, IWATE	0 - 5	6.2 ± 0.32	160 ± 8	46 ± 0.6	1200 ± 20
Takizawa-mura, IWATE	5 - 20	6.7 ± 0.32	690 ± 33	7.8 ± 0.26	790 ± 26
Fukushima, FUKUSHIMA	0 - 5	3.8 ± 0.25	98 ± 6.6	21 ± 0.4	530 ± 11
Fukushima, FUKUSHIMA	5 - 20	3.7 ± 0.25	300 ± 21	13 ± 0.3	1100 ± 30
Jul. 2005					
Aomori, AOMORI	0 - 5	2.6 ± 0.20	70 ± 5.3	5.4 ± 0.22	150 ± 6
Aomori, AOMORI	5 - 20	2.8 ± 0.21	290 ± 22	6.2 ± 0.23	640 ± 24
Maebashi, GUNMA	0 - 5	0.64 ± 0.11	34 ± 5.7	1.6 ± 0.12	87 ± 6.5
Maebashi, GUNMA	5 - 20	0.89 ± 0.12	90 ± 12	1.4 ± 0.11	140 ± 12
Saitama, SAITAMA	0 - 5	0.85 ± 0.12	25 ± 3.6	6.1 ± 0.23	180 ± 7
Saitama, SAITAMA	5 - 20	0.55 ± 0.11	52 ± 11	0.77 ± 0.089	72 ± 8.4
Shinjuku, TOKYO	0 - 5	0.42 ± 0.094	10 ± 2.2	2.8 ± 0.16	67 ± 3.7
Shinjuku, TOKYO	5 - 20	0.55 ± 0.10	37 ± 6.9	5.1 ± 0.21	340 ± 14
Kashiwazaki, NIIGATA	0 - 5	1.5 ± 0.15	70 ± 7.0	10 ± 0.3	470 ± 14
Kashiwazaki, NIIGATA	5 - 20	2.2 ± 0.18	190 ± 16	4.3 ± 0.19	370 ± 17
Kosugi-machi, TOYAMA	0 - 5	0.31 ± 0.091	15 ± 4.3	1.3 ± 0.11	59 ± 5.3
Kosugi-machi, TOYAMA	5 - 20	0.053 ± 0.065	9 ± 11	0.39 ± 0.072	64 ± 12
Kanazawa, ISHIKAWA	0 - 5	4.0 ± 0.26	120 ± 8	23 ± 0.4	700 ± 13
Kanazawa, ISHIKAWA	5 - 20	3.7 ± 0.25	510 ± 34	21 ± 0.4	2800 ± 60
Nagano, NAGANO	0 - 5	8.0 ± 0.34	150 ± 7	60 ± 0.7	1200 ± 10
Nagano, NAGANO	5 - 20	5.4 ± 0.28	270 ± 14	5.8 ± 0.22	290 ± 11
Gotenba, SHIZUOKA	0 - 5	0.35 ± 0.084	8.9 ± 2.2	7.6 ± 0.26	200 ± 7
Gotenba, SHIZUOKA	5 - 20	0.093 ± 0.060	7.5 ± 4.9	1.9 ± 0.14	160 ± 11
Komono-machi, MIE	0 - 5	0.10 ± 0.050	4.8 ± 2.4	0.10 ± 0.046	5.1 ± 2.2
Komono-machi, MIE	5 - 20	0.062 ± 0.046	15 ± 11	0.000 ± 0.033	0.0 ± 8.1

Location	Sampling depth (cm)	Sr-90		Cs-137	
		(Bq/kg)	(MBq/km^2)	(Bq/kg)	(MBq/km^2)
Yasu, SHIGA	0 - 5	0.27 ± 0.077	18 ± 5.3	12 ± 0.3	790 ± 21
Yasu, SHIGA	5 - 20	0.29 ± 0.080	47 ± 13	2.9 ± 0.16	470 ± 25
Kyoto, KYOTO	0 - 5	0.80 ± 0.11	16 ± 2.2	2.5 ± 0.15	50 ± 3.0
Kyoto, KYOTO	5 - 20	0.49 ± 0.092	49 ± 9.2	0.74 ± 0.088	73 ± 8.8
Osaka, OSAKA	0 - 5	0.85 ± 0.12	64 ± 8.7	3.4 ± 0.17	260 ± 13
Osaka, OSAKA	5 - 20	0.75 ± 0.11	130 ± 18	2.7 ± 0.16	460 ± 26
Kasai, HYOGO	0 - 5	0.89 ± 0.12	34 ± 4.5	11 ± 0.3	410 ± 11
Kasai, HYOGO	5 - 20	0.48 ± 0.090	56 ± 10	3.8 ± 0.18	440 ± 20
Kashihara, NARA	0 - 5	0.80 ± 0.12	60 ± 8.8	4.1 ± 0.19	310 ± 14
Kashihara, NARA	5 - 20	0.51 ± 0.097	81 ± 15	4.2 ± 0.19	660 ± 31
Kurayoshi, TOTTORI	0 - 5	0.066 ± 0.058	4.4 ± 3.9	0.000 ± 0.038	0.0 ± 2.6
Kurayoshi, TOTTORI	5 - 20	0.10 ± 0.064	36 ± 22	0.044 ± 0.039	16 ± 13
Oda, SHIMANE	0 - 5	8.4 ± 0.34	110 ± 4	24 ± 0.4	310 ± 6
Oda, SHIMANE	5 - 20	3.3 ± 0.23	170 ± 12	14 ± 0.3	730 ± 18
Misaki-machi, OKAYAMA	0 - 5	0.53 ± 0.10	30 ± 5.8	0.83 ± 0.094	48 ± 5.4
Misaki-machi, OKAYAMA	5 - 20	0.25 ± 0.091	32 ± 12	0.21 ± 0.060	28 ± 7.8
Hiroshima, HIROSHIMA	0 - 5	0.13 ± 0.059	10 ± 4.6	0.73 ± 0.086	57 ± 6.8
Hiroshima, HIROSHIMA	5 - 20	0.45 ± 0.088	120 ± 24	1.9 ± 0.13	500 ± 34
Kamiita-machi, TOKUSHIMA	0 - 5	0.40 ± 0.081	21 ± 4.2	1.7 ± 0.12	91 ± 6.6
Kamiita-machi, TOKUSHIMA	5 - 20	0.64 ± 0.099	78 ± 12	1.2 ± 0.11	150 ± 13
Sakaide, KAGAWA	0 - 5	1.8 ± 0.17	73 ± 6.7	7.9 ± 0.26	320 ± 10
Sakaide, KAGAWA	5 - 20	1.8 ± 0.17	120 ± 11	3.0 ± 0.16	200 ± 11
Matsuyama, EHIME	0 - 5	4.9 ± 0.26	110 ± 6	21 ± 0.4	470 ± 9
Matsuyama, EHIME	5 - 20	1.3 ± 0.14	80 ± 8.7	24 ± 0.4	1500 ± 30
Kochi, KOCHI	0 - 5	2.6 ± 0.20	72 ± 5.5	13 ± 0.3	350 ± 9
Kochi, KOCHI	5 - 20	3.3 ± 0.22	200 ± 14	14 ± 0.4	860 ± 21
Fukuoka, FUKUOKA	0 - 5	3.2 ± 0.22	340 ± 23	1.9 ± 0.13	200 ± 14
Fukuoka, FUKUOKA	5 - 20	1.8 ± 0.17	370 ± 35	0.41 ± 0.068	85 ± 14
Saga, SAGA	0 - 5	0.17 ± 0.076	13 ± 5.9	0.89 ± 0.093	70 ± 7.3
Saga, SAGA	5 - 20	0.21 ± 0.085	37 ± 15	0.48 ± 0.074	85 ± 13
Sasebo, NAGASAKI	0 - 5	0.66 ± 0.11	17 ± 2.9	1.2 ± 0.11	31 ± 2.8
Sasebo, NAGASAKI	5 - 20	0.40 ± 0.082	30 ± 6.2	0.75 ± 0.090	57 ± 6.7
Nishihara-mura, KUMAMOTO	0 - 5	4.0 ± 0.25	70 ± 4.3	51 ± 0.6	890 ± 11
Nishihara-mura, KUMAMOTO	5 - 20	3.0 ± 0.22	190 ± 13	14 ± 0.3	870 ± 22

Location	Sampling depth (cm)	Sr-90 (Bq/kg)	Sr-90 (MBq/km^2)	Cs-137 (Bq/kg)	Cs-137 (MBq/km^2)
Taketa, OITA	0 - 5	1.4 ± 0.13	14 ± 1.3	51 ± 0.5	510 ± 5
Taketa, OITA	5 - 20	1.4 ± 0.15	67 ± 7.4	18 ± 0.4	870 ± 19
Sadowara-machi, MIYAZAKI	0 - 5	0.46 ± 0.095	21 ± 4.4	1.8 ± 0.13	84 ± 5.9
Sadowara-machi, MIYAZAKI	5 - 20	0.81 ± 0.12	240 ± 35	2.5 ± 0.15	740 ± 44
Aug. 2005					
Yamagata, YAMAGATA	0 - 5	2.6 ± 0.19	110 ± 8	18 ± 0.4	780 ± 17
Yamagata, YAMAGATA	5 - 20	1.8 ± 0.16	200 ± 17	3.9 ± 0.18	420 ± 20
Imaichi, TOCHIGI	0 - 5	15 ± 0.5	210 ± 7	35 ± 0.5	500 ± 8
Imaichi, TOCHIGI	5 - 20	4.9 ± 0.28	170 ± 9	17 ± 0.4	580 ± 13
Ichihara, CHIBA	0 - 5	0.088 ± 0.067	4.3 ± 3.3	1.1 ± 0.10	52 ± 4.9
Ichihara, CHIBA	5 - 20	0.13 ± 0.070	21 ± 12	0.51 ± 0.075	85 ± 13
Yokosuka, KANAGAWA	0 - 5	2.2 ± 0.19	93 ± 7.9	4.7 ± 0.20	190 ± 8
Yokosuka, KANAGAWA	5 - 20	2.3 ± 0.19	330 ± 27	5.5 ± 0.22	780 ± 31
Fukui, FUKUI	0 - 5	0.64 ± 0.11	29 ± 4.8	0.97 ± 0.097	43 ± 4.3
Fukui, FUKUI	5 - 20	0.51 ± 0.099	94 ± 18	1.1 ± 0.11	210 ± 19
Hokuto, YAMANASHI	0 - 5	8.7 ± 0.35	190 ± 8	17 ± 0.4	380 ± 9
Hokuto, YAMANASHI	5 - 20	5.2 ± 0.30	370 ± 21	6.6 ± 0.24	470 ± 17
Gifu, GIFU	0 - 5	0.54 ± 0.092	150 ± 25	4.3 ± 0.19	1200 ± 50
Gifu, GIFU	5 - 20	0.61 ± 0.097	230 ± 36	4.1 ± 0.18	1500 ± 70
Shingu, WAKAYAMA	0 - 5	0.16 ± 0.057	5.0 ± 1.8	1.8 ± 0.13	55 ± 4.0
Shingu, WAKAYAMA	5 - 20	0.18 ± 0.061	8.4 ± 2.8	0.66 ± 0.083	31 ± 3.9
Hagi, YAMAGUCHI	0 - 5	0.90 ± 0.12	59 ± 7.6	2.6 ± 0.15	170 ± 10
Hagi, YAMAGUCHI	5 - 20	0.79 ± 0.11	190 ± 26	2.1 ± 0.13	490 ± 32
Uruma, OKINAWA	0 - 5	0.25 ± 0.065	15 ± 4.0	0.35 ± 0.063	22 ± 4.0
Uruma, OKINAWA	5 - 20	0.20 ± 0.058	28 ± 8.2	0.30 ± 0.061	41 ± 8.4
Sep. 2005					
Gosyogawara, AOMORI	0 - 5	1.0 ± 0.13	35 ± 4.6	3.7 ± 0.18	130 ± 6
Gosyogawara, AOMORI	5 - 20	1.1 ± 0.14	160 ± 20	5.6 ± 0.22	820 ± 33
Iwadeyama-machi, MIYAGI	0 - 5	2.1 ± 0.19	73 ± 6.4	4.3 ± 0.19	150 ± 7
Iwadeyama-machi, MIYAGI	5 - 20	1.7 ± 0.17	270 ± 27	1.8 ± 0.13	290 ± 21
Akita, AKITA	0 - 5	8.5 ± 0.37	370 ± 16	51 ± 0.6	2200 ± 30
Akita, AKITA	5 - 20	5.9 ± 0.32	490 ± 26	21 ± 0.4	1700 ± 40
Kaimon-machi, KAGOSHIMA	0 - 5	0.11 ± 0.064	2.2 ± 1.2	0.59 ± 0.078	11 ± 1.5
Kaimon-machi, KAGOSHIMA	5 - 20	0.28 ± 0.080	14 ± 3.9	1.6 ± 0.12	80 ± 5.9

Location	Sampling depth(cm)	Sr-90		Cs-137	
		(Bq/kg)	(MBq/km^2)	(Bq/kg)	(MBq/km^2)
Oct. 2005					
Sapporo, HOKKAIDO	0 - 5	4.9 ± 0.25	160 ± 8	16 ± 0.4	510 ± 12
Sapporo, HOKKAIDO	5 - 20	4.9 ± 0.25	570 ± 29	9.8 ± 0.30	1100 ± 30
Nov. 2005					
Naha, OKINAWA	0 - 5	0.62 ± 0.10	35 ± 5.7	5.2 ± 0.21	290 ± 12
Naha, OKINAWA	5 - 20	0.85 ± 0.12	160 ± 22	3.5 ± 0.18	640 ± 34

(6) Strontium-90 and Cesium-137 in Seawater
(from Apr.2005 to Mar.2006)
Table (6) : Strontium-90 and Cesium-137 in Seawater

Location	Sample Volume analyzed (L)	Cl (‰)	Sr-90 (mBq/L)			Cs-137 (mBq/L)		
Jun.2005								
Yoichi-bay,HOKKAIDO	30.0	18.29	1.5	±	0.29	1.9	±	0.25
Jul.2005								
Taneichi-machi,IWATE	30.0	17.7	1.5	±	0.29	1.9	±	0.24
Soma,FUKUSHIMA	30.0	17.54	1.5	±	0.29	1.3	±	0.22
Tokai-mura,IBARAKI	30.0	15.88	1.4	±	0.29	1.4	±	0.21
Niigata,NIIGATA	30.0	18.6	1.3	±	0.31	1.4	±	0.22
Osaka-Port,OSAKA	30.0	6.27	1.5	±	0.31	0.66	±	0.18
Aug.2005								
Fukaura-machi,AOMORI	30.0	17.4	1.0	±	0.24	2.0	±	0.24
Hiranai-machi.AOMORI	30.0	18	1.9	±	0.30	2.2	±	0.25
Ichihara,CHIBA	30.0	14.65	1.3	±	0.29	1.3	±	0.22
Odawa-bay,KANAGAWA	30.0	15.90	1.8	±	0.33	1.5	±	0.22
Yamaguchi-bay,YAMAGUCHI	30.0	18.08	1.5	±	0.30	2.0	±	0.24
Kitakyusyu,FUKUOKA	30.0	19.6	1.7	±	0.30	1.6	±	0.31
Sep.2005								
Tokoname,AICHI	30.0	16.88	1.4	±	0.31	1.5	±	0.23
Kaseda,KAGOSHIMA	30.0	17.99	1.7	±	0.30	1.8	±	0.23
Dec.2005								
White-beach,OKINAWA	30.0	17.32	1.1	±	0.25	1.6	±	0.38

(7) Strontium-90 and Cesium-137 in Sea sediments
(from Apr.2005 to Mar.2006)
Table (7) : Strontium-90 and Cesium-137 in Sea sediments

Location	Depth (m)	Sr-90 (Bq/kg)			Cs-137 (Bq/kg)		
Jun.2005							
Yoichi-bay,HOKKAIDO	13	0.039	±	0.048	0.47	±	0.070
Jul.2005							
Soma,FUKUSHIMA	5	0.022	±	0.045	0.22	±	0.050
Tokai-mura,IBARAKI	18	0.070	±	0.049	0.27	±	0.055
Niigata,NIIGATA	27.0	0.15	±	0.066	1.4	±	0.11
Osaka-Port,OSAKA	17.1	0.17	±	0.068	1.9	±	0.13
Aug.2005							
Fukaura-machi,AOMORI	15.0	0.019	±	0.043	0.43	±	0.066
Hiranai-machi.AOMORI	13.0	0.046	±	0.048	1.5	±	0.11
Ichihara,CHIBA	15.3	0.10	±	0.060	2.7	±	0.15
Odawa-bay,KANAGAWA	5.7	0.027	±	0.048	1.2	±	0.11
Yamaguchi-bay,YAMAGUCHI	13.2	0.070	±	0.055	2.2	±	0.14
Kitakyusyu,FUKUOKA	8.0	0.18	±	0.066	2.3	±	0.14
Sep.2005							
Tokoname,AICHI	21.2	0.12	±	0.060	2.5	±	0.14
Kaseda,KAGOSHIMA	7.0	0.022	±	0.049	0.20	±	0.049
Dec.2005							
White-beach,OKINAWA	13.6	0.11	±	0.063	0.22	±	0.053

(8) Strontium-90 and Cesium-137 in Total diet
(from Apr. 2005 to Mar. 2006)

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

Location	Ash (g/p/d)	Ca (mg/p/d)	K (mg/p/d)	Sr-90 (Bq/p/d)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/p/d)	Cs-137 (Bq/g K)
May 2005							
Gifu, GIFU	15.7	491	2280	0.044 ± 0.0095	0.090 ± 0.019	0.022 ± 0.0059	0.0096 ± 0.0026
Jun. 2005							
Sapporo, HOKKAIDO	16.3	564	1770	0.031 ± 0.0089	0.055 ± 0.016	0.027 ± 0.0058	0.015 ± 0.0033
Aomori, AOMORI	19.1	658	2580	0.10 ± 0.013	0.15 ± 0.020	0.042 ± 0.0070	0.016 ± 0.0027
Morioka, IWATE	11.2	359	1130	0.014 ± 0.0064	0.040 ± 0.018	0.028 ± 0.0067	0.025 ± 0.0059
Akita, AKITA	11.0	380	1280	0.034 ± 0.0079	0.089 ± 0.021	0.014 ± 0.0053	0.011 ± 0.0042
Yamagata, YAMAGATA	13.4	257	1370	0.019 ± 0.0064	0.072 ± 0.025	0.012 ± 0.0041	0.0088 ± 0.0030
Fukushima, FUKUSHIMA	13.0	320	1660	0.047 ± 0.0093	0.15 ± 0.029	0.016 ± 0.0048	0.0097 ± 0.0029
Mito, IBARAKI	17.7	517	2720	0.043 ± 0.0090	0.083 ± 0.017	0.038 ± 0.0066	0.014 ± 0.0024
Utsunomiya, TOCHIGI	18.2	468	1920	0.038 ± 0.0095	0.082 ± 0.020	0.020 ± 0.0054	0.011 ± 0.0028
Maebashi, GUNMA	18.2	649	2460	0.039 ± 0.0085	0.059 ± 0.013	0.025 ± 0.0061	0.010 ± 0.0025
Saitama, SAITAMA	15.4	442	2160	0.043 ± 0.0087	0.097 ± 0.020	0.025 ± 0.0053	0.012 ± 0.0025
Chiba, CHIBA	16.3	480	2120	0.045 ± 0.0087	0.095 ± 0.018	0.024 ± 0.0051	0.011 ± 0.0024
Shinjuku, TOKYO	11.2	356	1330	0.021 ± 0.0068	0.060 ± 0.019	0.0036 ± 0.0047	0.0027 ± 0.0035
Hiratsuka, KANAGAWA	14.0	615	2130	0.037 ± 0.0081	0.060 ± 0.013	0.061 ± 0.0075	0.029 ± 0.0035
Niigata, NIIGATA	18.9	650	2360	0.028 ± 0.0079	0.043 ± 0.012	0.014 ± 0.0049	0.0058 ± 0.0021
Takaoka, TOYAMA	11.2	340	1330	0.022 ± 0.0081	0.066 ± 0.024	0.022 ± 0.0053	0.017 ± 0.0040
Fukui, FUKUI	13.5	898	1650	0.020 ± 0.0067	0.022 ± 0.0074	0.022 ± 0.0050	0.013 ± 0.0031
Kofu, YAMANASHI	11.7	458	1460	0.014 ± 0.0068	0.031 ± 0.015	0.031 ± 0.0061	0.021 ± 0.0042
Nagano, NAGANO	15.5	445	2210	0.025 ± 0.0075	0.057 ± 0.017	0.010 ± 0.0044	0.0047 ± 0.0020
Shizuoka, SHIZUOKA	16.0	576	2280	0.035 ± 0.0088	0.061 ± 0.015	0.036 ± 0.0064	0.016 ± 0.0028
Nagoya, AICHI	22.5	396	1820	0.031 ± 0.0077	0.078 ± 0.019	0.019 ± 0.0059	0.010 ± 0.0032
Tsu, MIE	12.0	388	1820	0.032 ± 0.0080	0.083 ± 0.021	0.015 ± 0.0051	0.0084 ± 0.0028
Otsu, SHIGA	13.0	475	1690	0.055 ± 0.0092	0.12 ± 0.019	0.026 ± 0.0061	0.016 ± 0.0036
Kyoto, KYOTO	13.4	421	1550	0.015 ± 0.0070	0.035 ± 0.017	0.016 ± 0.0053	0.010 ± 0.0034
Osaka, OSAKA	15.9	734	2060	0.037 ± 0.0081	0.051 ± 0.011	0.025 ± 0.0060	0.012 ± 0.0029
Kakogawa, HYOGO	11.5	442	1640	0.037 ± 0.0083	0.084 ± 0.019	0.012 ± 0.0045	0.0076 ± 0.0028
Kashihara, NARA	9.30	835	1190	0.031 ± 0.0082	0.037 ± 0.0098	0.0076 ± 0.0045	0.0064 ± 0.0038
Tottori, TOTTORI	10.3	399	1190	0.014 ± 0.0068	0.036 ± 0.017	0.0095 ± 0.0044	0.0080 ± 0.0037
Matsue, SHIMANE	13.4	434	1390	0.019 ± 0.0072	0.043 ± 0.017	0.0091 ± 0.0043	0.0065 ± 0.0031
Okayama, OKAYAMA	14.7	455	2040	0.029 ± 0.0082	0.064 ± 0.018	0.020 ± 0.0056	0.010 ± 0.0028
Hiroshima, HIROSHIMA	13.1	313	1520	0.037 ± 0.0089	0.12 ± 0.028	0.015 ± 0.0049	0.010 ± 0.0032

Location	Ash	Ca	K	Sr-90		Cs-137	
	(g/p/d)	(mg/p/d)	(mg/p/d)	(Bq/p/d)	(Bq/g Ca)	(Bq/p/d)	(Bq/g K)
Yamaguchi, YAMAGUCHI	16.2	528	1900	0.041 ± 0.0090	0.078 ± 0.017	0.024 ± 0.0054	0.013 ± 0.0029
Tokushima, TOKUSHIMA	11.7	395	1640	0.020 ± 0.0064	0.050 ± 0.016	0.016 ± 0.0054	0.0096 ± 0.0033
Takamatsu, KAGAWA	15.0	328	1710	0.032 ± 0.0075	0.098 ± 0.023	0.012 ± 0.0053	0.0071 ± 0.0031
Matsuyama, EHIME	12.4	503	1570	0.037 ± 0.0081	0.073 ± 0.016	0.023 ± 0.0053	0.015 ± 0.0033
Kochi, KOCHI	17.0	562	2730	0.060 ± 0.0096	0.11 ± 0.017	0.038 ± 0.0070	0.014 ± 0.0026
Dazaifu, FUKUOKA	11.4	471	1800	0.020 ± 0.0067	0.043 ± 0.014	0.021 ± 0.0057	0.012 ± 0.0032
Saga, SAGA	11.4	246	1350	0.039 ± 0.0087	0.16 ± 0.036	0.011 ± 0.0042	0.0079 ± 0.0031
Nagasaki, NAGASAKI	15.2	418	1780	0.031 ± 0.0083	0.073 ± 0.020	0.016 ± 0.0048	0.0091 ± 0.0027
Kumamoto, KUMAMOTO	17.3	542	2580	0.021 ± 0.0068	0.039 ± 0.013	0.023 ± 0.0062	0.0089 ± 0.0024
Oita, OITA	10.6	326	1330	0.030 ± 0.0075	0.091 ± 0.023	0.0049 ± 0.0047	0.0037 ± 0.0035
Miyazaki, MIYAZAKI	12.7	503	1940	0.044 ± 0.0085	0.088 ± 0.017	0.020 ± 0.0059	0.010 ± 0.0030
Satsumasendai, KAGOSHIMA	16.0	652	2040	0.061 ± 0.010	0.094 ± 0.016	0.024 ± 0.0053	0.012 ± 0.0026
Jul.2005							
Ishinomaki, MIYAGI	14.4	432	1790	0.028 ± 0.0077	0.065 ± 0.018	0.021 ± 0.0057	0.012 ± 0.0032
Kanazawa, ISHIKAWA	15.3	385	1820	0.028 ± 0.0080	0.073 ± 0.021	0.039 ± 0.0066	0.021 ± 0.0036
Wakayama, WAKAYAMA	13.2	507	1630	0.039 ± 0.0095	0.076 ± 0.019	0.018 ± 0.0050	0.011 ± 0.0030
Naha, OKINAWA	12.3	309	1790	0.020 ± 0.0076	0.064 ± 0.024	0.015 ± 0.0051	0.0086 ± 0.0029
Oct.2005							
Nagasaki, NAGASAKI	11.7	439	1330	0.0088 ± 0.0061	0.020 ± 0.014	0.033 ± 0.0065	0.025 ± 0.0048
Nov.2005							
Ishinomaki, MIYAGI	17.5	974	2150	0.021 ± 0.0079	0.022 ± 0.0081	0.028 ± 0.0057	0.013 ± 0.0027
Yamagata, YAMAGATA	14.1	437	1410	0.035 ± 0.0084	0.079 ± 0.019	0.021 ± 0.0056	0.015 ± 0.0040
Fukushima, FUKUSHIMA	18.1	587	2980	0.072 ± 0.012	0.12 ± 0.020	0.028 ± 0.0063	0.0094 ± 0.0021
Saitama, SAITAMA	17.1	487	1910	0.044 ± 0.0095	0.090 ± 0.020	0.021 ± 0.0054	0.011 ± 0.0028
Chiba, CHIBA	15.1	418	2190	0.039 ± 0.0088	0.094 ± 0.021	0.029 ± 0.0059	0.013 ± 0.0027
Nagano, NAGANO	12.7	547	1950	0.048 ± 0.010	0.089 ± 0.019	0.021 ± 0.0052	0.011 ± 0.0027
Shizuoka, SHIZUOKA	16.2	559	2660	0.034 ± 0.0090	0.061 ± 0.016	0.026 ± 0.0056	0.0098 ± 0.0021
Nagoya, AICHI	17.5	350	2080	0.037 ± 0.0090	0.10 ± 0.026	0.025 ± 0.0054	0.012 ± 0.0026
Kashihara, NARA	9.84	549	1370	0.033 ± 0.0089	0.060 ± 0.016	0.0049 ± 0.0045	0.0036 ± 0.0033
Wakayama, WAKAYAMA	14.4	633	1640	0.018 ± 0.0069	0.028 ± 0.011	0.033 ± 0.0066	0.020 ± 0.0040
Matsue, SHIMANE	14.0	463	1980	0.038 ± 0.0090	0.082 ± 0.019	0.023 ± 0.0064	0.012 ± 0.0032
Okayama, OKAYAMA	15.9	479	2120	0.031 ± 0.0094	0.064 ± 0.020	0.021 ± 0.0053	0.010 ± 0.0025
Matsuyama, EHIME	12.3	381	1680	0.038 ± 0.0093	0.099 ± 0.025	0.020 ± 0.0051	0.012 ± 0.0030
Kochi, KOCHI	14.6	442	2100	0.047 ± 0.0096	0.11 ± 0.022	0.13 ± 0.011	0.064 ± 0.0054
Dazaifu, FUKUOKA	11.4	355	1740	0.022 ± 0.0075	0.062 ± 0.021	0.020 ± 0.0053	0.011 ± 0.0030
Saga, SAGA	11.9	367	1200	0.021 ± 0.0084	0.058 ± 0.023	0.016 ± 0.0049	0.013 ± 0.0041

Location	Ash	Ca	K	Sr-90						Cs-137					
	(g/p/d)	(mg/p/d)	(mg/p/d)	(Bq/p/d)			(Bq/g Ca)			(Bq/p/d)			(Bq/g K)		
Oita,OITA	14.4	345	1610	0.035	±	0.0084	0.10	±	0.024	0.040	±	0.0065	0.025	±	0.0041
Satsumasendai,KAGOSHIMA	13.8	417	1820	0.046	±	0.0099	0.11	±	0.024	0.033	±	0.0061	0.018	±	0.0033
Dec.2005															
Sapporo,HOKKAIDO	12.4	568	1720	0.045	±	0.0087	0.079	±	0.015	0.029	±	0.0060	0.017	±	0.0035
Aomori,AOMORI	18.1	626	2970	0.041	±	0.0092	0.066	±	0.015	0.035	±	0.0063	0.012	±	0.0021
Morioka,IWATE	10.6	315	1430	0.040	±	0.0092	0.13	±	0.029	0.012	±	0.0049	0.0087	±	0.0034
Akita,AKITA	11.3	404	1270	0.034	±	0.0082	0.085	±	0.020	0.019	±	0.0051	0.015	±	0.0040
Mito,IBARAKI	17.7	648	2530	0.053	±	0.010	0.082	±	0.016	0.017	±	0.0055	0.0068	±	0.0022
Utsunomiya,TOCHIGI	15.2	527	2360	0.040	±	0.0096	0.076	±	0.018	0.026	±	0.0056	0.011	±	0.0024
Maebashi,GUNMA	19.6	549	2510	0.063	±	0.011	0.12	±	0.020	0.035	±	0.0065	0.014	±	0.0026
Shinjuku,TOKYO	14.6	448	1570	0.033	±	0.0083	0.074	±	0.019	0.010	±	0.0043	0.0067	±	0.0027
Hiratsuka,KANAGAWA	14.6	447	2390	0.022	±	0.0076	0.050	±	0.017	0.048	±	0.0073	0.020	±	0.0031
Niigata,NIIGATA	21.0	720	2690	0.058	±	0.010	0.080	±	0.014	0.029	±	0.0058	0.011	±	0.0022
Takaoka,TOYAMA	10.9	373	1700	0.028	±	0.0081	0.075	±	0.022	0.023	±	0.0053	0.014	±	0.0031
Kanazawa,ISHIKAWA	17.4	491	1980	0.042	±	0.010	0.084	±	0.021	0.16	±	0.012	0.081	±	0.0059
Fukui,FUKUI	16.9	441	2320	0.029	±	0.0079	0.065	±	0.018	0.033	±	0.0064	0.014	±	0.0027
Kofu,YAMANASHI	13.6	566	1740	0.050	±	0.0097	0.089	±	0.017	0.032	±	0.0064	0.018	±	0.0037
Gifu,GIFU	14.9	438	1980	0.038	±	0.0093	0.086	±	0.021	0.016	±	0.0048	0.0082	±	0.0024
Tsu,MIE	19.3	571	2410	0.045	±	0.0092	0.078	±	0.016	0.023	±	0.0056	0.0095	±	0.0023
Otsu,SHIGA	11.1	324	1510	0.027	±	0.0076	0.082	±	0.023	0.019	±	0.0049	0.013	±	0.0033
Kyoto,KYOTO	12.4	377	1490	0.027	±	0.0083	0.072	±	0.022	0.018	±	0.0050	0.012	±	0.0034
Osaka,OSAKA	20.4	959	2750	0.049	±	0.010	0.051	±	0.010	0.019	±	0.0056	0.0068	±	0.0020
Kakogawa,HYOGO	12.1	489	1720	0.035	±	0.0083	0.072	±	0.017	0.013	±	0.0049	0.0076	±	0.0029
Tottori,TOTTORI	12.2	560	1360	0.031	±	0.0082	0.055	±	0.015	0.011	±	0.0044	0.0084	±	0.0033
Hiroshima,HIROSHIMA	14.7	380	1390	0.045	±	0.0090	0.12	±	0.024	0.014	±	0.0052	0.0099	±	0.0037
Yamaguchi,YAMAGUCHI	16.2	456	1940	0.036	±	0.0083	0.079	±	0.018	0.028	±	0.0059	0.014	±	0.0031
Tokushima,TOKUSHIMA	15.7	591	2220	0.032	±	0.0080	0.055	±	0.014	0.027	±	0.0056	0.012	±	0.0025
Takamatsu,KAGAWA	17.5	497	2320	0.042	±	0.0097	0.085	±	0.020	0.027	±	0.0056	0.012	±	0.0024
Kumamoto,KUMAMOTO	15.0	496	2580	0.050	±	0.010	0.10	±	0.021	0.021	±	0.0057	0.0083	±	0.0022
Miyazaki,MIYAZAKI	15.1	494	2260	0.038	±	0.0086	0.077	±	0.017	0.024	±	0.0059	0.011	±	0.0026
Jan.2006															
Naha,OKINAWA	15.6	425	2000	0.044	±	0.010	0.10	±	0.023	0.021	±	0.0051	0.011	±	0.0026

(9)-1

Strontium-90 and Cesium-137 in Rice(producing districts)
(from Apr.2005 to Mar.2006)

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

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
Aug. 2005							
Sadowara-machi, MIYAZAKI	0.557	0.041	0.836	0.017 ± 0.0062	0.42 ± 0.15	0.0000 ± 0.0038	0.0000 ± 0.0045
Uruma, OKINAWA	0.703	0.039	1.19	0.0028 ± 0.0055	0.07 ± 0.14	0.013 ± 0.0047	0.011 ± 0.0040
Sep. 2005							
Chiba, CHIBA	0.660	0.042	0.599	0.0097 ± 0.0056	0.23 ± 0.13	0.0000 ± 0.0036	0.0000 ± 0.0060
Gifu, GIFU	0.875	0.066	1.70	0.0020 ± 0.0052	0.030 ± 0.080	0.0083 ± 0.0049	0.0049 ± 0.0029
Matsusaka, MIE	0.526	0.043	0.821	0.0054 ± 0.0050	0.13 ± 0.12	0.0022 ± 0.0037	0.0026 ± 0.0045
Koshi-machi, KUMAMOTO	0.606	0.035	0.830	0.0047 ± 0.0049	0.14 ± 0.14	0.0047 ± 0.0036	0.0057 ± 0.0044
Oct. 2005							
Akita, AKITA	0.636	0.038	0.601	0.013 ± 0.0058	0.33 ± 0.15	0.0054 ± 0.0045	0.0089 ± 0.0075
Mito, IBARAKI	0.621	0.047	0.683	0.0089 ± 0.0051	0.19 ± 0.11	0.0011 ± 0.0040	0.0016 ± 0.0058
Niigata, NIIGATA	0.618	0.041	0.711	0.016 ± 0.0057	0.38 ± 0.14	0.0082 ± 0.0046	0.012 ± 0.0064
Kosugi-machi, TOYAMA	0.590	0.044	0.802	0.025 ± 0.0083	0.55 ± 0.19	0.0024 ± 0.0039	0.0030 ± 0.0049
Uchinada-machi, ISHIKAWA	0.706	0.041	0.697	0.010 ± 0.0056	0.25 ± 0.14	0.0007 ± 0.0036	0.0010 ± 0.0052
Azumino, NAGANO	0.598	0.040	0.652	0.0007 ± 0.0051	0.02 ± 0.13	0.0000 ± 0.0042	0.0000 ± 0.0065
Shiga-machi, SHIGA	0.546	0.035	0.764	0.0030 ± 0.0047	0.09 ± 0.13	0.012 ± 0.0049	0.016 ± 0.0064
Yamaguchi, YAMAGUCHI	0.654	0.045	0.837	0.0007 ± 0.0049	0.02 ± 0.11	0.016 ± 0.0051	0.019 ± 0.0061
Miki-machi, KAGAWA	0.766	0.041	0.669	0.0013 ± 0.0055	0.03 ± 0.14	0.0000 ± 0.0033	0.0000 ± 0.0049
Saga, SAGA	0.588	0.043	0.841	0.0000 ± 0.0054	0.00 ± 0.13	0.016 ± 0.0052	0.019 ± 0.0061
Nov. 2005							
Ishikari, HOKKAIDO	0.665	0.037	0.725	0.013 ± 0.0062	0.36 ± 0.17	0.0000 ± 0.0033	0.0000 ± 0.0046
Ishinomaki, MIYAGI	0.677	0.044	0.661	0.0062 ± 0.0059	0.14 ± 0.14	0.0011 ± 0.0041	0.0017 ± 0.0062
Fukushima, FUKUSHIMA	0.611	0.038	0.666	0.011 ± 0.0058	0.31 ± 0.15	0.0076 ± 0.0043	0.011 ± 0.0064
Utsunomiya, TOCHIGI	0.727	0.038	0.705	0.0000 ± 0.0056	0.00 ± 0.15	0.012 ± 0.0044	0.017 ± 0.0062
Yokosuka, KANAGAWA	0.928	0.055	1.02	0.0007 ± 0.0055	0.01 ± 0.10	0.0017 ± 0.0039	0.0016 ± 0.0038
Kasai, HYOGO	0.604	0.051	1.07	0.012 ± 0.0071	0.24 ± 0.14	0.0000 ± 0.0037	0.0000 ± 0.0035
Kashihara, NARA	0.776	0.049	0.708	0.0086 ± 0.0053	0.18 ± 0.11	0.0049 ± 0.0037	0.0069 ± 0.0052
Usa, OITA	0.766	0.037	0.661	0.014 ± 0.0068	0.38 ± 0.18	0.0000 ± 0.0030	0.0000 ± 0.0045
Dec. 2005							
Takizawa-mura, IWATE	0.720	0.042	0.929	0.0000 ± 0.0051	0.00 ± 0.12	0.068 ± 0.0079	0.073 ± 0.0085

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
Maebashi,GUNMA	0.668	0.044	0.701	0.0089 ± 0.0055	0.20 ± 0.12	0.033 ± 0.0060	0.046 ± 0.0086
Hokuto,YAMANASHI	0.640	0.042	0.947	0.012 ± 0.0065	0.29 ± 0.16	0.0064 ± 0.0043	0.0067 ± 0.0045
Chikushino,FUKUOKA	0.864	0.048	0.890	0.0072 ± 0.0056	0.15 ± 0.12	0.033 ± 0.0065	0.038 ± 0.0073
Jan.2006							
Tsugaru,AOMORI	0.688	0.042	0.922	0.0000 ± 0.0063	0.00 ± 0.15	0.0079 ± 0.0041	0.0086 ± 0.0044
Ishii-machi,TOKUSHIMA	0.614	0.038	0.599	0.0000 ± 0.0056	0.00 ± 0.15	0.0037 ± 0.0036	0.0062 ± 0.0060

(9)-2

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

(from Apr.2005 to Mar.2006)

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

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
Oct.2005							
Saitama,SAITAMA	0.649	0.042	0.509	0.0006 ± 0.0042	0.01 ± 0.10	0.0000 ± 0.0036	0.0000 ± 0.0071
Shinjuku,TOKYO	0.712	0.054	0.819	0.0040 ± 0.0059	0.07 ± 0.11	0.14 ± 0.011	0.17 ± 0.013
Niigata,NIIGATA	0.678	0.043	0.656	0.013 ± 0.0060	0.29 ± 0.14	0.0042 ± 0.0045	0.0064 ± 0.0069
Fukui,FUKUI	0.654	0.048	0.667	0.0078 ± 0.0067	0.16 ± 0.14	0.0016 ± 0.0038	0.0025 ± 0.0057
Kyoto,KYOTO	0.504	0.035	0.685	0.0089 ± 0.0064	0.25 ± 0.18	0.0083 ± 0.0045	0.012 ± 0.0065
Shingu,WAKAYAMA	0.457	0.039	0.749	0.0050 ± 0.0057	0.13 ± 0.15	0.0051 ± 0.0044	0.0067 ± 0.0058
Hiroshima,HIROSHIMA	0.696	0.044	0.759	0.0000 ± 0.0054	0.00 ± 0.12	0.039 ± 0.0066	0.051 ± 0.0087
Nov.2005							
Sapporo,HOKKAIDO	0.658	0.041	0.750	0.018 ± 0.0065	0.44 ± 0.16	0.0000 ± 0.0039	0.0000 ± 0.0051
Yamagata,YAMAGATA	0.528	0.041	0.676	0.020 ± 0.0076	0.49 ± 0.19	0.017 ± 0.0052	0.025 ± 0.0077
Chigasaki,KANAGAWA	0.607	0.041	0.668	0.0092 ± 0.0055	0.23 ± 0.14	0.017 ± 0.0049	0.026 ± 0.0073
Shizuoka,SHIZUOKA	0.493	0.036	0.720	0.0000 ± 0.0059	0.00 ± 0.16	0.0004 ± 0.0030	0.0006 ± 0.0042
Osaka,OSAKA	0.643	0.040	0.849	0.016 ± 0.0068	0.41 ± 0.17	0.013 ± 0.0047	0.015 ± 0.0055
Kobe,HYOGO	0.540	0.042	0.697	0.0028 ± 0.0055	0.07 ± 0.13	0.0008 ± 0.0036	0.0012 ± 0.0052
Matsuyama,EHIME	0.522	0.036	0.694	0.0015 ± 0.0067	0.04 ± 0.18	0.0020 ± 0.0032	0.0028 ± 0.0046
Kagoshima,KAGOSHIMA	0.594	0.039	0.683	0.0021 ± 0.0057	0.05 ± 0.15	0.0091 ± 0.0046	0.013 ± 0.0067
Dec.2005							
Nagoya,AICHI	0.579	0.040	0.845	0.0055 ± 0.0062	0.14 ± 0.16	0.0058 ± 0.0040	0.0068 ± 0.0047
Kurayoshi,TOTTORI	0.731	0.039	0.717	0.0048 ± 0.0050	0.12 ± 0.13	0.050 ± 0.0070	0.069 ± 0.0097
Matsue,SHIMANE	0.619	0.043	0.836	0.018 ± 0.0076	0.42 ± 0.18	0.064 ± 0.0081	0.076 ± 0.0097
Seto-machi,OKAYAMA	0.558	0.044	0.960	0.0076 ± 0.0059	0.17 ± 0.13	0.0000 ± 0.0036	0.0000 ± 0.0037
Kasuga,FUKUOKA	0.504	0.038	0.771	0.0048 ± 0.0055	0.13 ± 0.15	0.0033 ± 0.0041	0.0043 ± 0.0053
Uruma,OKINAWA	0.591	0.039	0.833	0.0076 ± 0.0057	0.20 ± 0.15	0.0000 ± 0.0033	0.0000 ± 0.0040
Jan.2006							
Kochi,KOCHI	0.557	0.035	0.880	0.0079 ± 0.0059	0.23 ± 0.17	0.0074 ± 0.0042	0.0084 ± 0.0048
Sasebo,NAGASAKI	0.797	0.052	0.980	0.017 ± 0.0066	0.32 ± 0.13	0.030 ± 0.0061	0.030 ± 0.0063

(10)-1

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

(from Apr.2005 to Mar.2006)

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

Location	Ash	Ca	K	Sr-90		Cs-137	
	(w/v%)	(g/L)	(g/L)	(Bq/L)	(Bq/g Ca)	(Bq/L)	(Bq/g K)
May 2005							
Sapporo,HOKKAIDO	0.728	1.15	1.42	0.020 ± 0.0069	0.017 ± 0.0060	0.020 ± 0.0053	0.014 ± 0.0037
Aug.2005							
Aomori,AOMORI	0.718	1.07	1.64	0.020 ± 0.0074	0.019 ± 0.0069	0.026 ± 0.0056	0.016 ± 0.0034
Takizawa-mura,IWATE	0.704	1.05	1.47	0.034 ± 0.0071	0.032 ± 0.0068	0.079 ± 0.0081	0.053 ± 0.0055
Mito,IBARAKI	0.730	1.09	1.47	0.022 ± 0.0067	0.020 ± 0.0062	0.0061 ± 0.0046	0.0041 ± 0.0031
Nasushiobara,TOCHIGI	0.681	0.992	1.60	0.023 ± 0.0079	0.023 ± 0.0080	0.013 ± 0.0046	0.0079 ± 0.0028
Fujimi-mura,GUNMA	0.685	1.09	1.40	0.018 ± 0.0073	0.017 ± 0.0067	0.0039 ± 0.0040	0.0028 ± 0.0029
Yachimata,CHIBA	0.737	1.09	1.60	0.015 ± 0.0061	0.014 ± 0.0056	0.0048 ± 0.0042	0.0030 ± 0.0026
Hachijo-machi,TOKYO	0.618	0.953	1.19	0.0068 ± 0.0050	0.0072 ± 0.0053	0.0000 ± 0.0035	0.0000 ± 0.0029
Fujisawa,KANAGAWA	0.719	1.07	1.49	0.014 ± 0.0060	0.013 ± 0.0056	0.010 ± 0.0044	0.0069 ± 0.0030
Niigata,NIIGATA	0.734	1.12	1.48	0.016 ± 0.0063	0.014 ± 0.0057	0.0000 ± 0.0035	0.0000 ± 0.0024
Tonami,TOYAMA	0.702	1.04	1.57	0.0063 ± 0.0061	0.0061 ± 0.0059	0.037 ± 0.0064	0.024 ± 0.0040
Hodatsushimizu-machi,ISHIKAWA	0.736	1.09	1.60	0.024 ± 0.0068	0.022 ± 0.0063	0.0000 ± 0.0037	0.0000 ± 0.0023
Katsuyama,FUKUI	0.825	1.08	1.52	0.031 ± 0.0078	0.029 ± 0.0073	0.0093 ± 0.0049	0.0061 ± 0.0032
Hokuto,YAMANASHI	0.674	1.03	1.39	0.012 ± 0.0062	0.011 ± 0.0060	0.0000 ± 0.0036	0.0000 ± 0.0026
Shinano-machi,NAGANO	0.648	0.990	1.40	0.018 ± 0.0065	0.019 ± 0.0066	0.0000 ± 0.0033	0.0000 ± 0.0024
Kasamatsu-machi,GIFU	0.667	1.02	1.45	0.0060 ± 0.0058	0.0059 ± 0.0056	0.0004 ± 0.0032	0.0003 ± 0.0022
Taiki-machi,MIE	0.719	1.05	1.55	0.014 ± 0.0061	0.013 ± 0.0058	0.0075 ± 0.0040	0.0049 ± 0.0026
Hino-machi,SHIGA	0.752	1.21	1.57	0.020 ± 0.0061	0.016 ± 0.0051	0.012 ± 0.0045	0.0077 ± 0.0029
Sakai,Habikino,OSAKA	0.722	1.05	1.46	0.026 ± 0.0076	0.025 ± 0.0072	0.016 ± 0.0052	0.011 ± 0.0036
Minamiawaji,HYOGO	0.700	1.07	1.52	0.013 ± 0.0063	0.012 ± 0.0059	0.0060 ± 0.0041	0.0039 ± 0.0027
Ouda-machi,NARA	0.676	0.934	1.53	0.010 ± 0.0065	0.011 ± 0.0070	0.0020 ± 0.0035	0.0013 ± 0.0023
Kotoura-machi,TOTTORI	0.634	0.955	1.34	0.022 ± 0.0069	0.023 ± 0.0073	0.011 ± 0.0043	0.0085 ± 0.0032
Matsue,SHIMANE	0.773	1.16	1.58	0.017 ± 0.0069	0.015 ± 0.0059	0.0015 ± 0.0039	0.0010 ± 0.0025
Kitahiroshima-machi,HIROSHIMA	0.723	1.09	1.53	0.018 ± 0.0067	0.016 ± 0.0062	0.0075 ± 0.0046	0.0049 ± 0.0030
Kamiita-machi,TOKUSHIMA	0.738	1.11	1.58	0.0098 ± 0.0058	0.0088 ± 0.0052	0.0033 ± 0.0038	0.0021 ± 0.0024
Takase-machi,KAGAWA	0.718	1.08	1.54	0.015 ± 0.0064	0.014 ± 0.0059	0.0089 ± 0.0042	0.0058 ± 0.0027
Touon,EHIME	0.694	1.06	1.48	0.0091 ± 0.0056	0.0086 ± 0.0053	0.0056 ± 0.0038	0.0038 ± 0.0026
Kochi,KOCHI	0.733	1.10	1.61	0.028 ± 0.0075	0.025 ± 0.0069	0.0040 ± 0.0038	0.0025 ± 0.0024

Location	Ash (w/v%)	Ca (g/L)	K (g/L)	Sr-90 (Bq/L)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/L)	Cs-137 (Bq/g K)
Chikuzen-machi,FUKUOKA	0.682	1.08	1.05	0.025 ± 0.0072	0.023 ± 0.0067	0.0057 ± 0.0049	0.0055 ± 0.0047
Yamato-machi,SAGA	0.746	1.16	1.54	0.0043 ± 0.0063	0.0037 ± 0.0054	0.013 ± 0.0048	0.0083 ± 0.0031
Koshi-machi,KUMAMOTO	0.735	1.12	1.65	0.030 ± 0.0078	0.026 ± 0.0069	0.017 ± 0.0047	0.011 ± 0.0029
Taketa,OITA	0.735	1.12	1.57	0.0018 ± 0.0052	0.0016 ± 0.0047	0.047 ± 0.0069	0.030 ± 0.0044
Takaharu-machi,MIYAZAKI	0.717	1.06	1.56	0.028 ± 0.0077	0.027 ± 0.0073	0.019 ± 0.0051	0.012 ± 0.0033
Kanoya,KAGOSHIMA	0.728	1.10	1.51	0.013 ± 0.0056	0.012 ± 0.0051	0.018 ± 0.0052	0.012 ± 0.0035
Jan.2006							
Sasebo,NAGASAKI	0.798	1.17	1.51	0.020 ± 0.0079	0.017 ± 0.0068	0.016 ± 0.0049	0.010 ± 0.0033

(10)-2

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

(from Apr.2005 to Mar.2006)

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

Location	Ash	Ca	K	Sr-90		Cs-137	
	(w/v%)	(g/L)	(g/L)	(Bq/L)	(Bq/g Ca)	(Bq/L)	(Bq/g K)
May 2005							
Sapporo,HOKKAIDO	0.742	1.11	1.61	0.027 ± 0.0081	0.024 ± 0.0073	0.022 ± 0.0053	0.013 ± 0.0033
Jun.2005							
Fukushima,FUKUSHIMA	0.747	1.11	1.51	0.015 ± 0.0061	0.013 ± 0.0055	0.015 ± 0.0051	0.0099 ± 0.0034
Jul.2005							
Rifu-machi,MIYAGI	0.717	1.11	1.59	0.018 ± 0.0068	0.016 ± 0.0062	0.011 ± 0.0044	0.0069 ± 0.0027
Aug.2005							
Akita,AKITA	0.682	1.05	1.48	0.0096 ± 0.0062	0.0091 ± 0.0059	0.014 ± 0.0047	0.0093 ± 0.0031
Yamagata,YAMAGATA	0.695	1.07	1.52	0.012 ± 0.0061	0.011 ± 0.0057	0.0078 ± 0.0040	0.0051 ± 0.0026
Saitama,SAITAMA	0.741	1.09	1.61	0.012 ± 0.0066	0.011 ± 0.0060	0.0053 ± 0.0040	0.0033 ± 0.0025
Shinjuku,TOKYO	0.654	0.925	1.38	0.0090 ± 0.0058	0.0098 ± 0.0063	0.0049 ± 0.0037	0.0035 ± 0.0027
Chigasaki,KANAGAWA	0.715	1.08	1.52	0.0028 ± 0.0050	0.0026 ± 0.0046	0.0090 ± 0.0044	0.0059 ± 0.0029
Niigata,NIIGATA	0.761	1.14	1.53	0.014 ± 0.0064	0.012 ± 0.0056	0.0086 ± 0.0045	0.0056 ± 0.0030
Fukui,FUKUI	0.707	1.05	1.59	0.023 ± 0.0069	0.022 ± 0.0066	0.010 ± 0.0043	0.0064 ± 0.0027
Shizuoka,SHIZUOKA	0.771	1.10	1.46	0.013 ± 0.0064	0.012 ± 0.0058	0.011 ± 0.0049	0.0078 ± 0.0034
Nagoya,AICHI	0.712	1.09	1.49	0.016 ± 0.0056	0.015 ± 0.0051	0.0000 ± 0.0030	0.0000 ± 0.0020
Kyoto,KYOTO	0.726	1.09	1.55	0.011 ± 0.0060	0.010 ± 0.0055	0.018 ± 0.0052	0.011 ± 0.0034
Osaka,OSAKA	0.758	1.07	1.52	0.020 ± 0.0064	0.019 ± 0.0060	0.015 ± 0.0050	0.0096 ± 0.0033
Matsue,SHIMANE	0.725	1.10	1.51	0.0092 ± 0.0064	0.0084 ± 0.0058	0.016 ± 0.0049	0.011 ± 0.0033
Okayama,OKAYAMA	0.733	1.09	1.58	0.021 ± 0.0077	0.019 ± 0.0071	0.0044 ± 0.0037	0.0028 ± 0.0024
Hiroshima,HIROSHIMA	0.714	1.07	1.52	0.0039 ± 0.0055	0.0036 ± 0.0051	0.0026 ± 0.0040	0.0017 ± 0.0026
Yamaguchi,YAMAGUCHI	0.716	0.998	1.60	0.019 ± 0.0072	0.019 ± 0.0072	0.0048 ± 0.0041	0.0030 ± 0.0026
Touon,EHIME	0.701	1.07	1.49	0.021 ± 0.0069	0.020 ± 0.0064	0.0092 ± 0.0041	0.0062 ± 0.0028
Kochi,KOCHI	0.720	1.09	1.50	0.011 ± 0.0060	0.0098 ± 0.0055	0.0007 ± 0.0037	0.0005 ± 0.0025
Chikushino,FUKUOKA	0.676	1.04	1.47	0.016 ± 0.0063	0.015 ± 0.0061	0.0087 ± 0.0043	0.0059 ± 0.0030
Kagoshima,KAGOSHIMA	0.757	1.14	1.56	0.018 ± 0.0064	0.016 ± 0.0057	0.015 ± 0.0053	0.0099 ± 0.0034
Oct.2005							
Uruma,OKINAWA	0.690	1.01	1.48	0.020 ± 0.0074	0.020 ± 0.0073	0.0037 ± 0.0037	0.0025 ± 0.0025
Jan.2006							
Shingu,WAKAYAMA	0.694	1.05	1.50	0.019 ± 0.0073	0.018 ± 0.0070	0.011 ± 0.0045	0.0070 ± 0.0030

(10)-3

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

(from Apr.2005 to Mar.2006)

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

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg)	(g/kg)	(Bq/kg)	(Bq/g Ca)	(Bq/kg)	(Bq/g K)
Jun.2005							
Sample A	7.87	12.2	16.8	0.34 ± 0.028	0.028 ± 0.0023	0.80 ± 0.034	0.048 ± 0.0020
Sample B	2.37	3.51	5.19	0.037 ± 0.0085	0.011 ± 0.0024	0.31 ± 0.017	0.059 ± 0.0032
Sample C	7.87	12.0	16.7	0.44 ± 0.032	0.036 ± 0.0027	0.87 ± 0.034	0.052 ± 0.0021
Sample D	2.40	4.49	4.58	0.017 ± 0.0068	0.0038 ± 0.0015	0.0033 ± 0.0042	0.00072 ± 0.00093
Sample E	3.61	6.68	7.15	0.11 ± 0.014	0.017 ± 0.0020	0.20 ± 0.014	0.028 ± 0.0019
Sample F	2.37	3.89	4.72	0.021 ± 0.0067	0.0053 ± 0.0017	0.093 ± 0.0097	0.020 ± 0.0021
Dec.2005							
Sample A	7.83	12.0	17.6	0.27 ± 0.026	0.023 ± 0.0021	0.62 ± 0.028	0.035 ± 0.0016
Sample B	2.41	3.49	5.13	0.026 ± 0.0077	0.0073 ± 0.0022	0.13 ± 0.011	0.025 ± 0.0021
Sample C	7.91	12.3	17.2	0.37 ± 0.030	0.030 ± 0.0024	1.2 ± 0.04	0.070 ± 0.0023
Sample D	2.44	3.88	5.27	0.0048 ± 0.0056	0.0012 ± 0.0014	0.0088 ± 0.0039	0.0017 ± 0.00074
Sample E	3.61	5.92	7.54	0.089 ± 0.016	0.015 ± 0.0026	0.094 ± 0.011	0.013 ± 0.0015
Sample F	2.45	3.58	5.12	0.024 ± 0.0077	0.0068 ± 0.0022	0.079 ± 0.0086	0.015 ± 0.0017

(11)-1

Strontium-90 and Cesium-137 in Vegetables(producing districts)
(from Apr.2005 to Mar.2006)

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

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
(Leafy vegetables)							
May 2005							
Tahara,AICHI	1.93	0.562	8.32	0.022 ± 0.0085	0.040 ± 0.015	0.0018 ± 0.0040	0.00022 ± 0.00048
Koshi-machi,KUMAMOTO	2.04	0.650	9.07	0.11 ± 0.013	0.17 ± 0.020	0.0013 ± 0.0049	0.00015 ± 0.00054
Jun.2005							
Niigata,NIIGATA	1.59	0.374	6.52	0.013 ± 0.0074	0.034 ± 0.020	0.0000 ± 0.0041	0.00000 ± 0.00063
Jul.2005							
Oda,SHIMANE	0.976	1.04	3.26	0.67 ± 0.030	0.65 ± 0.029	1.3 ± 0.03	0.41 ± 0.010
Aug.2005							
Eniwa,HOKKAIDO	1.85	0.584	7.78	0.059 ± 0.0099	0.10 ± 0.017	0.0021 ± 0.0047	0.00027 ± 0.00060
Sep.2005							
Gosyogawara,AOMORI	0.465	0.359	1.72	0.060 ± 0.010	0.17 ± 0.029	0.0046 ± 0.0038	0.0027 ± 0.0022
Oct.2005							
Shimoda-machi,AOMORI	0.620	0.476	2.27	0.11 ± 0.013	0.23 ± 0.028	0.0073 ± 0.0042	0.0032 ± 0.0019
Akita,AKITA	0.520	0.531	1.74	0.040 ± 0.0080	0.076 ± 0.015	0.0045 ± 0.0036	0.0026 ± 0.0020
Toyama,TOYAMA	1.58	0.655	5.95	0.012 ± 0.0056	0.018 ± 0.0086	0.0020 ± 0.0040	0.00034 ± 0.00067
Tobe-machi,EHIME	2.01	0.788	9.56	0.044 ± 0.0098	0.055 ± 0.012	0.013 ± 0.0051	0.0013 ± 0.00053
Nov.2005							
Tamayama-mura,IWATE	0.521	0.539	1.78	0.075 ± 0.012	0.14 ± 0.022	0.014 ± 0.0045	0.0077 ± 0.0026
Fukushima,FUKUSHIMA	2.00	0.826	8.04	0.048 ± 0.0099	0.059 ± 0.012	0.0004 ± 0.0035	0.00005 ± 0.00044
Mito,IBARAKI	1.98	0.927	7.35	0.13 ± 0.014	0.14 ± 0.015	0.0054 ± 0.0039	0.00073 ± 0.00053
Chiba,CHIBA	1.91	0.541	8.98	0.0064 ± 0.0064	0.012 ± 0.012	0.0026 ± 0.0039	0.00029 ± 0.00044
Mikuni-machi,FUKUI	2.09	0.330	9.56	0.0074 ± 0.0064	0.022 ± 0.019	0.0000 ± 0.0030	0.00000 ± 0.00031
Saku,NAGANO	1.77	0.391	7.59	0.018 ± 0.0078	0.046 ± 0.020	0.0069 ± 0.0045	0.00091 ± 0.00059
Kakamigahara,GIFU	2.04	0.789	9.48	0.016 ± 0.0077	0.020 ± 0.0098	0.0098 ± 0.0048	0.0010 ± 0.00051
Gotenba,SHIZUOKA	1.80	0.526	7.39	0.025 ± 0.0077	0.048 ± 0.015	0.023 ± 0.0059	0.0032 ± 0.00080
Yokkaichi,MIE	1.68	1.20	6.13	0.017 ± 0.0067	0.014 ± 0.0056	0.0082 ± 0.0050	0.0013 ± 0.00082
Azuchi-machi,SHIGA	1.89	0.699	7.42	0.075 ± 0.011	0.11 ± 0.016	0.0045 ± 0.0045	0.00061 ± 0.00061
Kasai,HYOGO	1.64	0.437	7.28	0.025 ± 0.0083	0.057 ± 0.019	0.0000 ± 0.0033	0.00000 ± 0.00046
Kurayoshi,TOTTORI	1.32	0.519	6.42	0.054 ± 0.0099	0.10 ± 0.019	0.015 ± 0.0053	0.0024 ± 0.00082

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
Takamatsu, KAGAWA	1.58	0.774	5.91	0.032 ± 0.0092	0.041 ± 0.012	0.0082 ± 0.0043	0.0014 ± 0.00073
Shimanto, KOCHI	1.60	0.617	6.42	0.12 ± 0.014	0.20 ± 0.022	0.031 ± 0.0065	0.0048 ± 0.0010
Shime-machi, FUKUOKA	1.79	0.756	7.33	0.030 ± 0.0079	0.040 ± 0.010	0.0000 ± 0.0043	0.00000 ± 0.00059
Saga, SAGA	1.55	0.463	6.63	0.0071 ± 0.0059	0.015 ± 0.013	0.0000 ± 0.0041	0.00000 ± 0.00061
Dec. 2005							
Utsunomiya, TOCHIGI	0.774	0.734	2.72	0.47 ± 0.027	0.64 ± 0.037	0.028 ± 0.0057	0.010 ± 0.0021
Maebashi, GUNMA	2.09	0.535	9.19	0.027 ± 0.0081	0.051 ± 0.015	0.0087 ± 0.0043	0.00095 ± 0.00046
Hokuto, YAMANASHI	2.61	0.556	10.5	0.075 ± 0.012	0.13 ± 0.021	0.0000 ± 0.0037	0.00000 ± 0.00035
Haibara-machi, NARA	2.13	0.475	9.15	0.019 ± 0.0077	0.040 ± 0.016	0.0000 ± 0.0029	0.00000 ± 0.00031
Hiroshima, HIROSHIMA	1.77	0.484	7.44	0.014 ± 0.0063	0.029 ± 0.013	0.0082 ± 0.0042	0.0011 ± 0.00056
Usa, OITA	1.70	0.380	6.99	0.045 ± 0.0098	0.12 ± 0.026	0.0073 ± 0.0044	0.0010 ± 0.00063
Takanabe-machi, MIYAZAKI	2.06	0.293	8.56	0.038 ± 0.0088	0.13 ± 0.030	0.013 ± 0.0044	0.0015 ± 0.00051
Kagoshima, KAGOSHIMA	1.56	0.799	3.87	0.050 ± 0.0098	0.063 ± 0.012	0.072 ± 0.0088	0.019 ± 0.0023
Jan. 2006							
Yokosuka, KANAGAWA	2.21	0.961	8.86	0.17 ± 0.017	0.18 ± 0.017	0.0000 ± 0.0037	0.00000 ± 0.00042
Kumatori-machi, OSAKA	0.702	0.290	2.81	0.019 ± 0.0077	0.067 ± 0.027	0.013 ± 0.0046	0.0045 ± 0.0017
Shingu, WAKAYAMA	0.568	0.327	2.13	0.051 ± 0.0089	0.16 ± 0.027	0.0037 ± 0.0042	0.0017 ± 0.0020
Nagato, YAMAGUCHI	1.95	0.655	7.20	0.11 ± 0.013	0.16 ± 0.021	0.019 ± 0.0051	0.0027 ± 0.00072
Ishii-machi, TOKUSHIMA	1.77	0.631	7.54	0.017 ± 0.0074	0.027 ± 0.012	0.010 ± 0.0049	0.0014 ± 0.00065
Sasebo, NAGASAKI	2.18	1.07	7.65	0.081 ± 0.011	0.076 ± 0.010	0.0074 ± 0.0048	0.00096 ± 0.00062
Uruma, OKINAWA	0.480	0.416	1.70	0.018 ± 0.0070	0.044 ± 0.017	0.0008 ± 0.0038	0.0004 ± 0.0022
(Root vegetables)							
May 2005							
Tahara, AICHI	0.520	0.127	2.23	0.0074 ± 0.0071	0.059 ± 0.056	0.0000 ± 0.0030	0.0000 ± 0.0013
Jun. 2005							
Koshi-machi, KUMAMOTO	0.707	0.175	3.00	0.081 ± 0.011	0.46 ± 0.062	0.0000 ± 0.0033	0.0000 ± 0.0011
Jul. 2005							
Kumatori-machi, OSAKA	0.376	0.123	1.61	0.014 ± 0.0055	0.12 ± 0.044	0.0000 ± 0.0029	0.0000 ± 0.0018
Oda, SHIMANE	0.570	0.207	2.28	0.47 ± 0.026	2.3 ± 0.12	0.10 ± 0.010	0.046 ± 0.0042
Aug. 2005							
Eniwa, HOKKAIDO	0.536	0.136	2.14	0.098 ± 0.011	0.73 ± 0.078	0.0028 ± 0.0036	0.0013 ± 0.0017
Sep. 2005							
Gosyogawara, AOMORI	0.828	0.0534	3.87	0.026 ± 0.0091	0.50 ± 0.17	0.011 ± 0.0046	0.0029 ± 0.0012

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
Oct. 2005							
Shimoda-machi, AOMORI	0.577	0.155	2.24	0.038 ± 0.0081	0.24 ± 0.052	0.0028 ± 0.0032	0.0013 ± 0.0014
Akita, AKITA	0.541	0.256	2.21	0.036 ± 0.0083	0.14 ± 0.032	0.0000 ± 0.0027	0.0000 ± 0.0012
Saga, SAGA	0.616	0.275	2.51	0.089 ± 0.011	0.32 ± 0.041	0.0039 ± 0.0039	0.0016 ± 0.0016
Nov. 2005							
Tamayama-mura, IWATE	0.601	0.244	2.49	0.038 ± 0.0089	0.15 ± 0.037	0.0054 ± 0.0034	0.0022 ± 0.0014
Fukushima, FUKUSHIMA	0.613	0.146	2.78	0.047 ± 0.010	0.32 ± 0.068	0.0028 ± 0.0035	0.0010 ± 0.0012
Mito, IBARAKI	0.580	0.254	2.58	0.040 ± 0.0092	0.16 ± 0.036	0.0036 ± 0.0038	0.0014 ± 0.0015
Chiba, CHIBA	0.522	0.302	2.40	0.13 ± 0.014	0.44 ± 0.047	0.011 ± 0.0046	0.0045 ± 0.0019
Niigata, NIIGATA	0.393	0.175	1.45	0.014 ± 0.0063	0.082 ± 0.036	0.0054 ± 0.0036	0.0037 ± 0.0025
Imizu, TOYAMA	0.379	0.183	1.43	0.018 ± 0.0067	0.098 ± 0.037	0.0041 ± 0.0039	0.0029 ± 0.0027
Awara, FUKUI	0.581	0.139	2.20	0.021 ± 0.0072	0.15 ± 0.052	0.0004 ± 0.0033	0.0002 ± 0.0015
Saku, NAGANO	0.677	0.229	2.96	0.0044 ± 0.0062	0.019 ± 0.027	0.0004 ± 0.0039	0.0001 ± 0.0013
Kakamigahara, GIFU	0.824	0.274	3.36	0.021 ± 0.0079	0.076 ± 0.029	0.0016 ± 0.0036	0.0005 ± 0.0011
Gotenba, SHIZUOKA	0.649	0.391	2.51	0.045 ± 0.0093	0.11 ± 0.024	0.11 ± 0.010	0.044 ± 0.0039
Hamamatsu, SHIZUOKA	0.590	0.203	2.60	0.022 ± 0.0075	0.11 ± 0.037	0.0008 ± 0.0038	0.0003 ± 0.0015
Meiwa-machi, MIE	0.677	0.207	3.20	0.091 ± 0.012	0.44 ± 0.059	0.0071 ± 0.0043	0.0022 ± 0.0014
Takashima, SHIGA	0.589	0.153	2.74	0.0063 ± 0.0055	0.041 ± 0.036	0.0000 ± 0.0038	0.0000 ± 0.0014
Kasai, HYOGO	0.494	0.145	2.18	0.024 ± 0.0080	0.16 ± 0.055	0.0000 ± 0.0025	0.0000 ± 0.0012
Hiroshima, HIROSHIMA	0.469	0.206	1.91	0.044 ± 0.0092	0.22 ± 0.045	0.0000 ± 0.0038	0.0000 ± 0.0020
Shimanto, KOCHI	0.451	0.171	1.88	0.20 ± 0.017	1.2 ± 0.10	0.0078 ± 0.0046	0.0042 ± 0.0024
Shime-machi, FUKUOKA	0.446	0.189	1.48	0.014 ± 0.0063	0.072 ± 0.033	0.0081 ± 0.0049	0.0055 ± 0.0033
Dec. 2005							
Utsunomiya, TOCHIGI	0.476	0.289	1.85	0.10 ± 0.013	0.36 ± 0.046	0.017 ± 0.0051	0.0092 ± 0.0027
Maebashi, GUNMA	0.375	0.202	1.53	0.029 ± 0.0082	0.14 ± 0.040	0.012 ± 0.0045	0.0081 ± 0.0029
Hokuto, YAMANASHI	0.590	0.216	2.54	0.041 ± 0.0090	0.19 ± 0.042	0.0012 ± 0.0039	0.0005 ± 0.0015
Haibara-machi, NARA	0.496	0.167	2.24	0.030 ± 0.0077	0.18 ± 0.046	0.0018 ± 0.0032	0.0008 ± 0.0014
Tottori, TOTTORI	0.466	0.240	2.18	0.19 ± 0.017	0.80 ± 0.070	0.0031 ± 0.0039	0.0014 ± 0.0018
Takamatsu, KAGAWA	0.596	0.202	2.53	0.032 ± 0.0096	0.16 ± 0.048	0.020 ± 0.0050	0.0078 ± 0.0020
Usa, OITA	0.731	0.214	2.57	0.047 ± 0.010	0.22 ± 0.046	0.0004 ± 0.0034	0.0002 ± 0.0013
Takanabe-machi, MIYAZAKI	0.594	0.179	2.32	0.071 ± 0.012	0.40 ± 0.069	0.0078 ± 0.0039	0.0034 ± 0.0017
Kaimon-machi, KAGOSHIMA	0.663	0.190	2.58	0.010 ± 0.0070	0.055 ± 0.037	0.0034 ± 0.0039	0.0013 ± 0.0015
Uruma, OKINAWA	0.634	0.255	3.14	0.017 ± 0.0064	0.067 ± 0.025	0.0069 ± 0.0038	0.0022 ± 0.0012

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
Jan. 2006							
Yokosuka, KANAGAWA	0.503	0.226	2.01	0.025 ± 0.0080	0.11 ± 0.035	0.0056 ± 0.0040	0.0028 ± 0.0020
Nagato, YAMAGUCHI	0.853	0.189	2.41	0.018 ± 0.0070	0.093 ± 0.037	0.0011 ± 0.0031	0.0005 ± 0.0013
Ishii-machi, TOKUSHIMA	0.553	0.166	1.78	0.011 ± 0.0059	0.066 ± 0.035	0.0004 ± 0.0029	0.0002 ± 0.0016
Sasebo, NAGASAKI	0.658	0.228	2.64	0.028 ± 0.0076	0.12 ± 0.033	0.0050 ± 0.0041	0.0019 ± 0.0015
Feb. 2006							
Shingu, WAKAYAMA	0.601	0.360	2.41	0.058 ± 0.0095	0.16 ± 0.026	0.0030 ± 0.0043	0.0013 ± 0.0018

(11)-2

Strontium-90 and Cesium-137 in Vegetables(consuming districts)
(from Apr.2005 to Mar.2006)

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

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
(Leafy vegetables)							
Jul.2005							
Rifu-machi,MIYAGI	1.77	0.434	7.60	0.013 ± 0.0076	0.030 ± 0.018	0.0026 ± 0.0039	0.00034 ± 0.00052
Sep.2005							
Saitama,SAITAMA	1.50	0.518	4.24	0.018 ± 0.0065	0.035 ± 0.013	0.0058 ± 0.0042	0.0014 ± 0.00098
Oct.2005							
Yamagata,YAMAGATA	1.87	0.504	8.02	0.033 ± 0.0081	0.066 ± 0.016	0.0000 ± 0.0035	0.00000 ± 0.00044
Kanazawa,ISHIKAWA	2.07	0.443	8.49	0.026 ± 0.0085	0.059 ± 0.019	0.0044 ± 0.0042	0.00051 ± 0.00049
Kyoto,KYOTO	1.95	0.647	7.57	0.018 ± 0.0064	0.028 ± 0.0098	0.0004 ± 0.0045	0.00005 ± 0.00059
Matsuyama,EHIME	2.03	0.754	8.10	0.043 ± 0.0096	0.057 ± 0.013	0.011 ± 0.0051	0.0013 ± 0.00063
Nov.2005							
Shinjuku,TOKYO	1.37	0.911	4.95	0.21 ± 0.017	0.23 ± 0.019	0.0058 ± 0.0039	0.0012 ± 0.00078
Osaka,OSAKA	1.42	0.569	5.53	0.0079 ± 0.0069	0.014 ± 0.012	0.0008 ± 0.0037	0.00015 ± 0.00066
Okayama,OKAYAMA	1.38	0.406	5.50	0.014 ± 0.0064	0.035 ± 0.016	0.0071 ± 0.0038	0.0013 ± 0.00070
(Root vegetables)							
Sep.2005							
Rifu-machi,MIYAGI	0.553	0.285	1.92	0.54 ± 0.028	1.9 ± 0.10	0.025 ± 0.0054	0.013 ± 0.0028
Saitama,SAITAMA	0.599	0.190	2.55	0.066 ± 0.0098	0.35 ± 0.052	0.0086 ± 0.0039	0.0034 ± 0.0015
Oct.2005							
Yamagata,YAMAGATA	0.429	0.160	1.71	0.061 ± 0.0094	0.38 ± 0.059	0.019 ± 0.0047	0.011 ± 0.0028
Kanazawa,ISHIKAWA	0.479	0.176	1.89	0.0000 ± 0.0062	0.000 ± 0.035	0.0000 ± 0.0032	0.0000 ± 0.0017
Kyoto,KYOTO	0.476	0.259	1.80	0.018 ± 0.0077	0.068 ± 0.030	0.0041 ± 0.0039	0.0023 ± 0.0022
Nov.2005							
Shinjuku,TOKYO	0.618	0.294	2.68	0.099 ± 0.012	0.34 ± 0.042	0.0019 ± 0.0034	0.0007 ± 0.0013
Osaka,OSAKA	0.449	0.127	1.88	0.0085 ± 0.0072	0.067 ± 0.056	0.0022 ± 0.0034	0.0012 ± 0.0018
Okayama,OKAYAMA	0.606	0.123	2.30	0.014 ± 0.0073	0.12 ± 0.059	0.0000 ± 0.0026	0.0000 ± 0.0011

(12)Strontium-90 and Cesium-137 in Tea (Japanese tea)
(from Apr.2005 to Mar.2006)

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

Location	Ash (%)	Ca (g/kg)	K (g/kg)	Sr-90 (Bq/kg)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg)	Cs-137 (Bq/g K)
Apr.2005							
Iwata,SHIZUOKA*	1.33	0.545	4.64	0.077 ± 0.012	0.14 ± 0.021	0.014 ± 0.0052	0.0030 ± 0.0011
Kawaminami-machi,MIYAZAKI	5.17	2.58	18.9	0.71 ± 0.062	0.28 ± 0.024	0.54 ± 0.044	0.029 ± 0.0024
May 2005							
Iruma,SAITAMA	5.00	2.10	17.1	0.23 ± 0.037	0.11 ± 0.018	0.18 ± 0.026	0.011 ± 0.0015
Tokorozawa,SAITAMA	5.23	2.21	17.2	0.19 ± 0.037	0.087 ± 0.017	0.16 ± 0.026	0.0095 ± 0.0015
Shirakawa-machi,GIFU	4.28	1.74	15.7	0.14 ± 0.035	0.082 ± 0.020	0.084 ± 0.019	0.0054 ± 0.0012
Ikeda-machi,GIFU	4.08	2.24	14.5	0.41 ± 0.049	0.18 ± 0.022	0.074 ± 0.018	0.0051 ± 0.0012
Izu,SHIZUOKA*	1.45	0.700	5.09	0.30 ± 0.021	0.43 ± 0.031	0.067 ± 0.0088	0.013 ± 0.0017
Kameyama,MIE	5.28	2.62	18.1	0.33 ± 0.042	0.13 ± 0.016	0.049 ± 0.018	0.0027 ± 0.0010
Odai-machi,MIE	5.53	2.43	19.7	0.20 ± 0.037	0.083 ± 0.015	0.10 ± 0.022	0.0052 ± 0.0011
Uji,KYOTO	5.86	3.03	20.0	0.52 ± 0.055	0.17 ± 0.018	0.039 ± 0.018	0.0019 ± 0.00091
Kaya-machi,KYOTO	4.80	2.43	16.3	0.61 ± 0.054	0.25 ± 0.022	0.15 ± 0.024	0.0094 ± 0.0015
Nara,NARA	5.02	2.81	18.0	0.20 ± 0.039	0.071 ± 0.014	0.18 ± 0.028	0.010 ± 0.0016
Mifune-machi,KUMAMOTO	5.60	2.42	18.3	0.18 ± 0.035	0.075 ± 0.015	0.010 ± 0.016	0.00055 ± 0.00087
Asagiri-machi,KUMAMOTO	5.18	2.49	18.0	0.60 ± 0.058	0.24 ± 0.023	0.30 ± 0.034	0.017 ± 0.0019
Miyakonojo,MIYAZAKI	5.41	2.83	19.4	0.11 ± 0.029	0.038 ± 0.010	1.4 ± 0.07	0.074 ± 0.0037
Chiran-machi,KAGOSHIMA	4.84	1.63	18.2	0.099 ± 0.032	0.061 ± 0.019	1.2 ± 0.06	0.064 ± 0.0033
Jun.2005							
Nara,NARA	5.20	2.65	18.6	0.23 ± 0.043	0.086 ± 0.016	0.093 ± 0.021	0.0050 ± 0.0012
Satsuma-machi,KAGOSHIMA	5.59	2.35	19.3	0.33 ± 0.049	0.14 ± 0.021	0.46 ± 0.041	0.024 ± 0.0021
Jul.2005							
Nachikatsuura-machi,WAKAYAMA	5.26	2.48	19.0	0.87 ± 0.069	0.35 ± 0.028	0.49 ± 0.042	0.026 ± 0.0022

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

(13) Strontium-90 and Cesium-137 in Sea fish
(from Apr. 2005 to Mar. 2006)
Table (13) : Strontium-90 and Cesium-137 in Sea fish

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
(Ammodytes personatus)							
Apr. 2005							
Kobe, HYOGO	2.27	2.34	3.60	0.0069 ± 0.0062	0.0029 ± 0.0026	0.050 ± 0.0071	0.014 ± 0.0020
(Branchiostegus sp.)							
Nov. 2005							
Nagasaki, NAGASAKI	1.29	0.292	4.15	0.0071 ± 0.0059	0.024 ± 0.020	0.097 ± 0.0094	0.023 ± 0.0023
(Decapterus muroadsi)							
Oct. 2005							
Hachijo-machi, TOKYO	1.62	1.60	3.80	0.0000 ± 0.0043	0.0000 ± 0.0027	0.099 ± 0.010	0.026 ± 0.0026
(Hexagrammos otakii)							
Sep. 2005							
Soma, FUKUSHIMA	1.33	0.804	3.50	0.0061 ± 0.0055	0.0076 ± 0.0068	0.12 ± 0.011	0.035 ± 0.0030
(Katsuwonus pelamis)							
May 2005							
Saga-machi, KOCHI	1.33	0.0553	3.79	0.0046 ± 0.0042	0.084 ± 0.075	0.22 ± 0.011	0.058 ± 0.0029
(Mugil cephalus cephalus)							
Aug. 2005							
Morodomi-machi, SAGA	1.27	0.335	3.42	0.0039 ± 0.0059	0.011 ± 0.018	0.044 ± 0.0067	0.013 ± 0.0020
Nov. 2005							
Setouchi, OKAYAMA	1.33	0.193	4.03	0.0000 ± 0.0058	0.000 ± 0.030	0.049 ± 0.0072	0.012 ± 0.0018
(Oncorhynchus keta)							
Sep. 2005							
Urakawa-machi, HOKKAIDO	1.38	0.765	3.88	0.0054 ± 0.0054	0.0071 ± 0.0071	0.058 ± 0.0080	0.015 ± 0.0021
(Pleuronectidae)							
Jul. 2005							
Rifu-machi, MIYAGI	3.39	7.72	3.30	0.0051 ± 0.0051	0.00066 ± 0.00066	0.072 ± 0.0089	0.022 ± 0.0027
Nov. 2005							
Murakami, NIIGATA	1.35	0.687	3.32	0.0000 ± 0.0053	0.0000 ± 0.0077	0.11 ± 0.010	0.033 ± 0.0030
Fukui, FUKUI	1.17	0.481	3.06	0.0000 ± 0.0050	0.000 ± 0.010	0.11 ± 0.010	0.036 ± 0.0032
Takamatsu, KAGAWA	2.32	3.99	3.69	0.0065 ± 0.0052	0.0016 ± 0.0013	0.052 ± 0.0076	0.014 ± 0.0021

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
Feb. 2006							
Hiranai-machi. AOMORI	1.38	0.984	3.70	0.0035 ± 0.0054	0.0035 ± 0.0055	0.077 ± 0.0085	0.021 ± 0.0023
Otake, HIROSHIMA (Pterocaesio diagramma)	3.68	8.46	3.15	0.025 ± 0.0073	0.0030 ± 0.00087	0.047 ± 0.0075	0.015 ± 0.0024
Dec. 2005							
White-beach, OKINAWA (Sardinops sp.)	4.33	11.9	3.16	0.0000 ± 0.0062	0.00000 ± 0.00052	0.10 ± 0.010	0.032 ± 0.0031
Aug. 2005							
Yamagata, YAMAGATA	2.73	5.37	1.83	0.013 ± 0.0069	0.0024 ± 0.0013	0.024 ± 0.0058	0.013 ± 0.0032
Nov. 2005							
Nagano, NAGANO (Scomber australasicus)	3.13	6.79	2.88	0.0035 ± 0.0046	0.00052 ± 0.00068	0.036 ± 0.0069	0.012 ± 0.0024
Mar. 2006							
Chikura-machi, CHIBA (Scomber sp.)	1.39	0.125	4.15	0.013 ± 0.0073	0.11 ± 0.058	0.094 ± 0.0096	0.023 ± 0.0023
Oct. 2005							
Iyonada, EHIME	1.17	0.375	3.68	0.0000 ± 0.0047	0.000 ± 0.012	0.10 ± 0.010	0.028 ± 0.0027
Nov. 2005							
Kyoto, KYOTO	1.15	0.158	2.66	0.0000 ± 0.0055	0.000 ± 0.035	0.077 ± 0.0084	0.029 ± 0.0032
Osaka, OSAKA	0.996	0.110	2.62	0.0000 ± 0.0042	0.000 ± 0.038	0.080 ± 0.0090	0.031 ± 0.0034
Jan. 2006							
Sakaiminato, TOTTORI (Sebastes inermis)	1.83	1.89	3.18	0.023 ± 0.0073	0.012 ± 0.0039	0.065 ± 0.0083	0.020 ± 0.0026
Mar. 2006							
Yamaguchi-bay, YAMAGUCHI (Sebastiscus marmoratus)	4.88	13.3	3.12	0.0040 ± 0.0063	0.00030 ± 0.00047	0.11 ± 0.011	0.036 ± 0.0034
Apr. 2005							
Hamada, SHIMANE (Seriola quinqueradiata)	6.49	19.3	2.34	0.025 ± 0.0068	0.0013 ± 0.00035	0.068 ± 0.0086	0.029 ± 0.0037
Oct. 2005							
Monzen-machi, ISHIKAWA	1.41	0.609	4.22	0.0041 ± 0.0053	0.0067 ± 0.0087	0.14 ± 0.011	0.034 ± 0.0027

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
(Sillago sp.)							
Jun. 2005							
Minamichita-machi, AICHI	3.93	7.07	3.15	0.0000 ± 0.0056	0.00000 ± 0.00080	0.053 ± 0.0075	0.017 ± 0.0024
(Sparidae)							
May 2005							
Kiinagashima-machi, MIE	1.37	0.259	4.41	0.0000 ± 0.0053	0.000 ± 0.021	0.092 ± 0.010	0.021 ± 0.0023
Jul. 2005							
Fukuoka, FUKUOKA	1.43	0.506	4.16	0.0000 ± 0.0060	0.000 ± 0.012	0.088 ± 0.0092	0.021 ± 0.0022
Aug. 2005							
Oga, AKITA	1.43	0.992	3.39	0.0029 ± 0.0035	0.0029 ± 0.0036	0.088 ± 0.0073	0.026 ± 0.0021
(Spratelloides gracilis)							
Nov. 2005							
Akune, KAGOSHIMA	2.99	6.11	3.25	0.011 ± 0.0056	0.0017 ± 0.00092	0.071 ± 0.0089	0.022 ± 0.0027
(Trachurus japonicus)							
Oct. 2005							
Odawara, KANAGAWA	1.50	0.233	4.79	0.0000 ± 0.0054	0.000 ± 0.023	0.12 ± 0.011	0.025 ± 0.0022
(Trachurus sp.)							
Apr. 2005							
Shingu, WAKAYAMA	1.72	0.660	3.49	0.0062 ± 0.0057	0.0094 ± 0.0087	0.17 ± 0.012	0.050 ± 0.0035
Nov. 2005							
Shizuoka, SHIZUOKA	3.20	7.15	2.01	0.010 ± 0.0054	0.0014 ± 0.00075	0.058 ± 0.0082	0.029 ± 0.0041

(14) Strontium-90 and Cesium-137 in Freshwater fish
(from Apr. 2005 to Mar. 2006)
Table (14) : Strontium-90 and Cesium-137 in Freshwater fish

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
(Carassius sp.)							
Jul. 2005							
Barato-lake, HOKKAIDO	4.68	13.2	2.39	0.31 ± 0.020	0.024 ± 0.0015	0.042 ± 0.0076	0.018 ± 0.0032
Nov. 2005							
Niigata, NIIGATA	1.09	0.553	3.04	0.018 ± 0.0083	0.032 ± 0.015	0.11 ± 0.010	0.037 ± 0.0033
Dec. 2005							
Wakasa-machi, FUKUI	1.16	0.719	2.92	0.068 ± 0.011	0.094 ± 0.015	0.10 ± 0.010	0.036 ± 0.0034
Uji, KYOTO	3.96	11.4	2.64	0.54 ± 0.029	0.047 ± 0.0025	0.025 ± 0.0060	0.0094 ± 0.0023
(Cyprinus carpio)							
Aug. 2005							
Hachirogata-machi, AKITA	4.28	12.5	2.43	0.97 ± 0.038	0.078 ± 0.0030	0.16 ± 0.012	0.066 ± 0.0051
Oct. 2005							
Syobara, HIROSHIMA	1.09	0.406	3.20	0.034 ± 0.0085	0.083 ± 0.021	0.094 ± 0.0095	0.030 ± 0.0030
(Hypomesus nipponensis)							
Nov. 2005							
Suwa-lake, NAGANO	2.26	5.03	2.81	0.072 ± 0.011	0.014 ± 0.0022	0.099 ± 0.0097	0.035 ± 0.0034
(Ictalurus punctatus)							
Jun. 2005							
Kasumigaura-lake, IBARAKI	1.07	0.124	3.43	0.0073 ± 0.0065	0.058 ± 0.052	0.55 ± 0.021	0.16 ± 0.006
(Salmo gairdneri)							
Oct. 2005							
Kumagaya, SAITAMA	1.17	0.170	3.99	0.0044 ± 0.0056	0.026 ± 0.033	0.11 ± 0.010	0.027 ± 0.0025
(Salvelinus leucomaenis)							
Sep. 2005							
Fukushima, FUKUSHIMA	1.27	0.520	3.82	0.012 ± 0.0067	0.023 ± 0.013	0.12 ± 0.011	0.032 ± 0.0028

(15) Strontium-90 and Cesium-137 in Shellfish
(from Apr. 2005 to Mar. 2006)
Table (15) : Strontium-90 and Cesium-137 in Shellfish

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
(Crassostrea gigas)							
Feb. 2006							
Hatsukaichi, HIROSHIMA	2.12	0.665	2.22	0.0076 ± 0.0087	0.011 ± 0.013	0.0067 ± 0.0055	0.0030 ± 0.0025
(Mytilus edulis)							
May 2005							
Fukaura-machi, AOMORI	2.07	0.764	0.630	0.0000 ± 0.0043	0.0000 ± 0.0056	0.0086 ± 0.0048	0.014 ± 0.0077
(Patinopecten yessoensis)							
Sep. 2005							
Hiranai-machi. AOMORI	1.48	0.174	2.75	0.0007 ± 0.0044	0.004 ± 0.025	0.017 ± 0.0055	0.0063 ± 0.0020
Jan. 2006							
Yamada-machi, IWATE	2.26	0.413	2.88	0.0007 ± 0.0057	0.002 ± 0.014	0.013 ± 0.0061	0.0045 ± 0.0021
(Tapes philippinarum)							
Apr. 2005							
Ise, MIE	2.00	0.339	1.68	0.0099 ± 0.0066	0.029 ± 0.020	0.023 ± 0.0059	0.014 ± 0.0035
May 2005							
Isahaya, NAGASAKI	1.99	0.434	1.93	0.0045 ± 0.0055	0.010 ± 0.013	0.016 ± 0.0050	0.0081 ± 0.0026
Jun. 2005							
Minamichita-machi, AICHI	2.12	0.562	3.38	0.035 ± 0.013	0.063 ± 0.023	0.021 ± 0.0076	0.0062 ± 0.0023
(Turbo(Batillus) cornutus)							
Apr. 2005							
Sado, NIIGATA	2.58	0.629	2.72	0.099 ± 0.048	0.16 ± 0.077	0.034 ± 0.025	0.013 ± 0.0091
Jun. 2005							
Monzen-machi, ISHIKAWA	2.15	0.642	1.86	0.015 ± 0.0075	0.024 ± 0.012	0.020 ± 0.0059	0.011 ± 0.0032
Aug. 2005							
Sakata, YAMAGATA	1.69	0.915	1.68	0.0018 ± 0.0060	0.0019 ± 0.0065	0.0088 ± 0.0051	0.0053 ± 0.0030

(16) Strontium-90 and Cesium-137 in Seaweeds
(from Apr. 2005 to Mar. 2006)
Table (16) : Strontium-90 and Cesium-137 in Seaweeds

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
(Undaria pinnatifida)							
Apr. 2005							
Sado, NIIGATA	1.09	0.603	1.65	0.030 ± 0.0076	0.049 ± 0.013	0.0038 ± 0.0036	0.0023 ± 0.0022
Monzen-machi, ISHIKAWA	1.79	0.541	3.71	0.029 ± 0.0083	0.054 ± 0.015	0.013 ± 0.0048	0.0036 ± 0.0013
May 2005							
Fukaura-machi, AOMORI	3.57	1.29	9.83	0.026 ± 0.0075	0.020 ± 0.0058	0.034 ± 0.0066	0.0034 ± 0.00067
Imabetsu-machi, AOMORI	1.74	0.758	3.00	0.017 ± 0.0068	0.022 ± 0.0090	0.0040 ± 0.0044	0.0013 ± 0.0015
Jun. 2005							
Sakata, YAMAGATA	2.57	1.02	5.19	0.020 ± 0.0076	0.020 ± 0.0075	0.018 ± 0.0052	0.0035 ± 0.0010
Feb. 2006							
Minamichita-machi, AICHI	2.65	0.579	8.14	0.044 ± 0.0098	0.076 ± 0.017	0.013 ± 0.0049	0.0016 ± 0.00060
Toba, MIE	2.23	0.685	5.84	0.033 ± 0.0092	0.048 ± 0.013	0.016 ± 0.0051	0.0028 ± 0.00087
Hiroshima, HIROSHIMA	1.47	0.466	4.51	0.031 ± 0.0089	0.066 ± 0.019	0.0074 ± 0.0043	0.0016 ± 0.00095
Shimabara, NAGASAKI	3.55	0.671	7.00	0.014 ± 0.0064	0.021 ± 0.0096	0.015 ± 0.0053	0.0022 ± 0.00076