

Total Diet Study Statistics on Radionuclide Results

U.S. Food and Drug Administration
Center for Food Safety and Applied Nutrition
College Park, MD

K									Co									
	Sr							Ru										I
Cs	Ba	La																
	Ra																	
							Th				Am							

Revision 1, 1999-2005
November 17, 2006

Summaries of radionuclide analytical results in food are provided for samples analyzed under the Food and Drug Administration's Total Diet Study program. The information pertains to Total Diet Study market baskets 92-1 through 05-2 collected between January-February 1992 and January-March 2005. For 1992 to 2003, only the first market basket collected each fiscal year was analyzed for radionuclides. Beginning in 2004, with market basket 04-3, market basket collections analyzed change each year. For market baskets collected before fiscal year 1998, Total Diet Study foods were routinely analyzed for fission product contamination indicators ^{90}Sr (a β -emitter) and ^{137}Cs , ^{106}Ru , and ^{131}I (γ -ray emitters) as well as the naturally-occurring γ -ray emitter ^{40}K . Beginning with market basket 98-1, the Total Diet Study program added naturally occurring ^{226}Ra (with daughter nuclides ^{214}Pb and ^{214}Bi) and ^{232}Th (with daughter nuclides ^{208}Tl , ^{212}Pb , and ^{228}Ac), and potential contaminants ^{60}Co , ^{103}Ru , ^{134}Cs , ^{140}Ba , ^{140}La , and ^{241}Am to the list of radionuclides to be routinely monitored. ^{90}Sr , ^{137}Cs , and ^{40}K results are routinely reported, while results for other radionuclides are reported only if they occur above reporting limits. Reporting limits are 0.1 (^{90}Sr), 70 (^{40}K), 100 (^{226}Ra), 50 (^{232}Th), 8 (^{60}Co), 40 (^{103}Ru), 100 (^{106}Ru), 3 (^{131}I), 5 (^{134}Cs), 5 (^{137}Cs), 15 (^{140}Ba), 10 (^{140}La), and 200 (^{241}Am) Bq/kg. Reporting limits are well below relevant derived intervention levels (see guidance "Accidental Radioactive Contamination of Human Food and Animal Feeds: Recommendations to State and Local Agencies" available on Internet: www.fda.gov/cdrh/dmgrp/84.html).

Notes

- Statistics were calculated using value of 0 for results below the reporting limit.
- Some values have been rounded.

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This document is available on the Internet at <http://www.cfsan.fda.gov/~lrd/pestadd.html>.

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US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Cesium-137

Reporting Limit = 5 Bq/kg

TDS Food Description	TDS	Number	Standard	Mean	Deviation	Minimum	Maximum	Median
	Food No.	Number of Results	Number Not Detected					
Overall:		3522	3521	0.002	0.028	0	6.7	0
whole milk, fluid	1	14	14	0	0	0	0	0
lowfat (2% fat) milk, fluid	2	14	14	0	0	0	0	0
chocolate milk, fluid	3	14	14	0	0	0	0	0
skim milk, fluid	4	14	14	0	0	0	0	0
plain yogurt, lowfat	6	11	11	0	0	0	0	0
chocolate milk shake, fast-food	7	13	13	0	0	0	0	0
evaporated milk, canned	8	11	11	0	0	0	0	0
American, processed cheese	10	14	14	0	0	0	0	0
cottage cheese, 4% milkfat	11	11	11	0	0	0	0	0
cheddar cheese	12	14	14	0	0	0	0	0
ground beef, pan-cooked	13	14	14	0	0	0	0	0
beef chuck roast, baked	14	14	14	0	0	0	0	0
beef steak, loin, pan-cooked	16	11	11	0	0	0	0	0
ham, baked	17	13	13	0	0	0	0	0
pork chop, pan-cooked	18	14	14	0	0	0	0	0
pork sausage, pan-cooked	19	14	14	0	0	0	0	0
pork bacon, pan-cooked	20	14	14	0	0	0	0	0
pork roast, baked	21	13	13	0	0	0	0	0
lamb chop, pan-cooked	22	13	13	0	0	0	0	0
chicken, fried (breast, leg, and thigh) homemade	24	10	10	0	0	0	0	0
turkey breast, roasted	26	14	14	0	0	0	0	0
liver, beef, fried	27	14	14	0	0	0	0	0
frankfurters, beef, boiled	28	14	14	0	0	0	0	0
bologna, sliced	29	14	14	0	0	0	0	0
salami, sliced	30	14	14	0	0	0	0	0
tuna, canned in oil	32	11	11	0	0	0	0	0
fish sticks, frozen, heated	34	14	14	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Cesium-137

Reporting Limit = 5 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
eggs, scrambled	35	14	14	0	0	0	0	0
eggs, fried	36	11	11	0	0	0	0	0
eggs, boiled	37	14	14	0	0	0	0	0
pinto beans, dry, boiled	38	14	14	0	0	0	0	0
pork and beans, canned	39	13	13	0	0	0	0	0
lima beans, immature, frozen, boiled	42	13	13	0	0	0	0	0
green peas, fresh/frozen, boiled	46	14	14	0	0	0	0	0
peanut butter, smooth	47	14	14	0	0	0	0	0
peanuts, dry roasted	48	14	14	0	0	0	0	0
white rice, cooked	50	14	14	0	0	0	0	0
oatmeal, quick (1-3 min), cooked	51	13	13	0	0	0	0	0
wheat cereal, farina, quick (1-3min), cooked	52	13	13	0	0	0	0	0
corngrits, regular, cooked	53	14	14	0	0	0	0	0
corn, fresh/frozen, boiled	54	14	14	0	0	0	0	0
Corn, canned	55	3	3	0	0	0	0	0
cream style corn, canned	56	11	11	0	0	0	0	0
popcorn, popped in oil	57	10	10	0	0	0	0	0
white bread	58	13	13	0	0	0	0	0
white roll	59	11	11	0	0	0	0	0
cornbread, homemade	60	14	14	0	0	0	0	0
biscuit, from refrigerated dough, baked	61	14	14	0	0	0	0	0
whole wheat bread	62	13	13	0	0	0	0	0
tortilla, flour	63	14	14	0	0	0	0	0
rye bread	64	13	13	0	0	0	0	0
blueberry muffin, commercial	65	13	13	0	0	0	0	0
saltine crackers	66	14	14	0	0	0	0	0
corn chips	67	14	14	0	0	0	0	0
pancake from mix	68	11	11	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Cesium-137

Reporting Limit = 5 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
egg noodles, boiled	69	14	14	0	0	0	0	0
macaroni, boiled	70	11	11	0	0	0	0	0
corn flakes	71	14	14	0	0	0	0	0
fruit-flavored, sweetened cereal	72	14	14	0	0	0	0	0
shredded wheat cereal	73	14	14	0	0	0	0	0
raisin bran cereal	74	14	14	0	0	0	0	0
crisped rice cereal	75	14	14	0	0	0	0	0
granola cereal	76	14	14	0	0	0	0	0
oat ring cereal	77	14	14	0	0	0	0	0
apple, red, raw	78	13	13	0	0	0	0	0
orange, raw	79	13	13	0	0	0	0	0
banana, raw	80	14	14	0	0	0	0	0
watermelon, raw	81	13	13	0	0	0	0	0
peach, raw	83	10	10	0	0	0	0	0
applesauce, bottled	84	13	13	0	0	0	0	0
pear, raw	85	14	14	0	0	0	0	0
strawberries, raw	86	12	12	0	0	0	0	0
fruit cocktail, canned in heavy syrup	87	14	14	0	0	0	0	0
grapes, red/green, seedless, raw	88	14	14	0	0	0	0	0
cantaloupe, raw	89	14	14	0	0	0	0	0
plums, raw	91	7	7	0	0	0	0	0
grapefruit, raw	92	12	12	0	0	0	0	0
pineapple, canned in juice	93	13	13	0	0	0	0	0
sweet cherries, raw	94	5	5	0	0	0	0	0
raisins, dried	95	14	14	0	0	0	0	0
prunes, dried	96	10	10	0	0	0	0	0
avocado, raw	97	13	13	0	0	0	0	0
orange juice, from frozen concentrate	98	14	14	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Cesium-137

Reporting Limit = 5 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
apple juice, bottled	99	13	13	0	0	0	0	0
grapefruit juice, from frozen concentrate	100	14	14	0	0	0	0	0
prune juice, bottled	103	13	13	0	0	0	0	0
lemonade, from frozen concentrate	105	13	13	0	0	0	0	0
spinach, fresh/frozen, boiled	107	14	14	0	0	0	0	0
collards, fresh/frozen, boiled	108	14	14	0	0	0	0	0
iceberg lettuce, raw	109	14	14	0	0	0	0	0
cabbage, fresh, boiled	110	13	13	0	0	0	0	0
coleslaw with dressing, homemade	111	11	11	0	0	0	0	0
sauerkraut, canned	112	11	11	0	0	0	0	0
broccoli, fresh/frozen, boiled	113	13	13	0	0	0	0	0
celery, raw	114	14	14	0	0	0	0	0
asparagus, fresh/frozen, boiled	115	14	14	0	0	0	0	0
cauliflower, fresh/frozen, boiled	116	13	13	0	0	0	0	0
tomato, red, raw	117	14	14	0	0	0	0	0
tomato sauce, plain, bottled	119	14	14	0	0	0	0	0
green beans, fresh/frozen, boiled	121	13	13	0	0	0	0	0
Green beans, canned	122	3	3	0	0	0	0	0
cucumber, raw	123	14	14	0	0	0	0	0
summer squash, fresh/frozen, boiled	124	14	14	0	0	0	0	0
green pepper, raw	125	14	14	0	0	0	0	0
winter squash, fresh/frozen, baked, mashed	126	14	14	0	0	0	0	0
onion, mature, raw	128	14	14	0	0	0	0	0
Beets, canned	131	3	3	0	0	0	0	0
radish, raw	132	11	11	0	0	0	0	0
French fries, frozen, heated	134	11	11	0	0	0	0	0
mashed potatoes, from flakes	135	11	11	0	0	0	0	0
white potato, boiled without skin	136	14	14	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Cesium-137

Reporting Limit = 5 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
white potato, baked with skin	137	13	13	0	0	0	0	0
potato chips	138	13	13	0	0	0	0	0
scalloped potatoes, homemade	139	10	10	0	0	0	0	0
sweet potato, fresh, baked	140	11	11	0	0	0	0	0
spaghetti with tomato sauce and meatballs, homemade	142	14	14	0	0	0	0	0
beef stew with potatoes, carrots, and onion, homemade	143	11	11	0	0	0	0	0
Chili con carne w/ beans, canned	145	3	3	0	0	0	0	0
macaroni and cheese, from box mix	146	14	14	0	0	0	0	0
quarter-pound hamburger on bun, fast-food	147	14	14	0	0	0	0	0
meatloaf, homemade	148	14	14	0	0	0	0	0
spaghetti with tomato sauce, canned	149	10	10	0	0	0	0	0
lasagna with meat, homemade	151	11	11	0	0	0	0	0
chicken potpie, frozen, heated	152	14	14	0	0	0	0	0
chicken noodle soup, canned, condensed, prepared with water	155	14	14	0	0	0	0	0
tomato soup, canned, condensed, prepared with water	156	14	14	0	0	0	0	0
vegetable beef soup, canned, condensed, prepared with water	157	14	14	0	0	0	0	0
white sauce, homemade	160	11	11	0	0	0	0	0
dill cucumber pickles	161	14	14	0	0	0	0	0
margarine, stick, regular (salted)	162	14	14	0	0	0	0	0
butter, regular (salted)	164	13	13	0	0	0	0	0
mayonnaise, regular, bottled	166	14	14	0	0	0	0	0
half & half cream	167	14	14	0	0	0	0	0
cream substitute, frozen	168	14	14	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Cesium-137

Reporting Limit = 5 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
white sugar, granulated	169	13	13	0	0	0	0	0
pancake syrup	170	12	12	0	0	0	0	0
honey	172	13	12	0.5	1.9	0	7	0
tomato catsup	173	14	14	0	0	0	0	0
chocolate pudding, from instant mix	175	10	10	0	0	0	0	0
vanilla flavored light ice cream	177	13	13	0	0	0	0	0
chocolate cake with chocolate icing, commercial	178	13	13	0	0	0	0	0
yellow cake with white icing, prepared from cake and icing mixes	179	11	11	0	0	0	0	0
sweet roll/Danish, commercial	182	13	13	0	0	0	0	0
chocolate chip cookies, commercial	183	13	13	0	0	0	0	0
sandwich cookies with creme filling,	184	13	13	0	0	0	0	0
apple pie, fresh/frozen, commercial	185	14	14	0	0	0	0	0
pumpkin pie, fresh/frozen, commercial	186	14	14	0	0	0	0	0
milk chocolate candy bar, plain	187	14	14	0	0	0	0	0
caramel candy	188	11	11	0	0	0	0	0
gelatin dessert, any flavor	190	14	14	0	0	0	0	0
cola carbonated beverage	191	13	13	0	0	0	0	0
fruit drink, from powder	193	14	14	0	0	0	0	0
low-calorie cola carbonated beverage	194	13	13	0	0	0	0	0
coffee, decaffeinated, from instant	196	11	11	0	0	0	0	0
tea, from tea bag	197	14	14	0	0	0	0	0
beer	198	13	13	0	0	0	0	0
dry table wine	199	14	14	0	0	0	0	0
whiskey	200	10	10	0	0	0	0	0
tap water	201	9	9	0	0	0	0	0
milk-based infant formula, high iron, ready-to- feed	202	14	14	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Cesium-137

Reporting Limit = 5 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
milk-based infant formula, low iron, ready-to-feed	203	14	14	0	0	0	0	0
beef, strained/junior	205	13	13	0	0	0	0	0
chicken, strained/junior, with/without broth or gravy	207	14	14	0	0	0	0	0
chicken/turkey with vegetables, high/lean meat, strained/junior	208	1	1	0	-	0	0	0
beef with vegetables, high/lean meat, strained/junior	209	1	1	0	-	0	0	0
ham with vegetables, high/lean meat, strained/junior	210	1	1	0	-	0	0	0
vegetables and beef, strained/junior	211	13	13	0	0	0	0	0
vegetables and chicken, strained/junior	212	13	13	0	0	0	0	0
vegetables and ham, strained/junior	213	13	13	0	0	0	0	0
chicken noodle dinner, strained/junior	214	14	14	0	0	0	0	0
macaroni, tomatoes, and beef, strained/junior	215	14	14	0	0	0	0	0
turkey and rice, strained/junior	216	14	14	0	0	0	0	0
carrots, strained/junior	218	14	14	0	0	0	0	0
green beans, strained/junior	219	14	14	0	0	0	0	0
mixed vegetables, strained/junior	220	14	14	0	0	0	0	0
sweet potatoes, strained/junior	221	14	14	0	0	0	0	0
creamed corn, strained/junior	222	10	10	0	0	0	0	0
peas, strained/junior	223	14	14	0	0	0	0	0
creamed spinach, strained/junior	224	11	11	0	0	0	0	0
applesauce, strained/junior	225	14	14	0	0	0	0	0
peaches, strained/junior	226	14	14	0	0	0	0	0
pears, strained/junior	227	14	14	0	0	0	0	0
apple juice, strained	230	14	14	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Cesium-137

Reporting Limit = 5 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
orange juice, strained	231	14	14	0	0	0	0	0
custard pudding, strained/junior	232	14	14	0	0	0	0	0
fruit dessert/pudding, strained/junior	233	14	14	0	0	0	0	0
fruit-flavored yogurt, lowfat (fruit mixed in)	235	14	14	0	0	0	0	0
Swiss cheese	236	14	14	0	0	0	0	0
cream cheese	237	14	14	0	0	0	0	0
veal cutlet, pan-cooked	238	11	11	0	0	0	0	0
ham luncheon meat, sliced	239	14	14	0	0	0	0	0
chicken breast, roasted	240	14	14	0	0	0	0	0
chicken nuggets, fast-food	241	14	14	0	0	0	0	0
chicken, fried (breast, leg, and thigh), fast-food	242	11	11	0	0	0	0	0
haddock, pan-cooked	243	5	5	0	0	0	0	0
shrimp, boiled	244	14	14	0	0	0	0	0
kidney beans, dry, boiled	245	11	11	0	0	0	0	0
peas, mature, dry, boiled	246	11	11	0	0	0	0	0
mixed nuts, no peanuts, dry roasted	247	11	11	0	0	0	0	0
cracked wheat bread	248	14	14	0	0	0	0	0
bagel, plain	249	13	13	0	0	0	0	0
English muffin, plain, toasted	250	14	14	0	0	0	0	0
graham crackers	251	13	13	0	0	0	0	0
butter-type crackers	252	13	13	0	0	0	0	0
apricot, raw	253	5	5	0	0	0	0	0
peach, canned in light/medium syrup	254	14	14	0	0	0	0	0
pear, canned in light syrup	255	14	14	0	0	0	0	0
pineapple juice, from frozen concentrate	256	14	14	0	0	0	0	0
grape juice, from frozen concentrate	257	14	14	0	0	0	0	0
French fries, fast-food	258	14	14	0	0	0	0	0
carrot, fresh, boiled	259	14	14	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Cesium-137

Reporting Limit = 5 Bq/kg

TDS Food Description	TDS	Number	Standard	Mean (Bq/kg)	Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Number Not Detected					
tomato, stewed, canned	260	10	10	0	0	0	0	0
tomato juice, bottled	261	13	13	0	0	0	0	0
beets, fresh/frozen, boiled	262	11	11	0	0	0	0	0
Brussels sprouts, fresh/frozen, boiled	263	14	14	0	0	0	0	0
mushrooms, raw	264	13	13	0	0	0	0	0
eggplant, fresh, boiled	265	14	14	0	0	0	0	0
turnip, fresh/frozen, boiled	266	13	13	0	0	0	0	0
okra, fresh/frozen, boiled	267	14	14	0	0	0	0	0
mixed vegetables, frozen, boiled	268	14	14	0	0	0	0	0
beef stroganoff, homemade	269	14	14	0	0	0	0	0
green peppers stuffed with beef and rice, homemade	270	11	11	0	0	0	0	0
chili con carne with beans, homemade	271	11	11	0	0	0	0	0
tuna noodle casserole, homemade	272	14	14	0	0	0	0	0
Salisbury steak with gravy, potatoes, and vegetable, frozen meal, heated	273	11	11	0	0	0	0	0
turkey with gravy, dressing, potatoes, and vegetable, frozen meal, heated	274	11	11	0	0	0	0	0
quarter-pound cheeseburger on bun, fast-food	275	14	14	0	0	0	0	0
fish sandwich on bun, fast-food	276	14	14	0	0	0	0	0
frankfurter on bun, fast-food	277	11	11	0	0	0	0	0
egg, cheese, and ham on English muffin, fast- food	278	13	13	0	0	0	0	0
taco/tostada, from Mexican carry-out	279	14	14	0	0	0	0	0
cheese pizza, regular crust, from pizza carry-out	280	11	11	0	0	0	0	0
cheese and pepperoni pizza, regular crust, from pizza carry-out	281	14	14	0	0	0	0	0

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Summary of Results for Cesium-137

Reporting Limit = 5 Bq/kg

TDS Food Description	TDS	Number	Standard	Mean (Bq/kg)	Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Number Not Detected					
beef chow mein, from Chinese carry-out	282	10	10	0	0	0	0	0
bean with bacon/pork soup, canned, condensed, prepared with water	283	14	14	0	0	0	0	0
mushroom soup, canned, condensed, prepared with whole milk	284	11	11	0	0	0	0	0
clam chowder, New England, canned, condensed, prepared with whole milk	285	14	14	0	0	0	0	0
vanilla ice cream	286	14	14	0	0	0	0	0
fruit flavor sherbet	287	14	14	0	0	0	0	0
popsicle, any flavor	288	12	12	0	0	0	0	0
chocolate snack cake with chocolate icing	289	11	11	0	0	0	0	0
cake doughnuts with icing, any flavor, from doughnut store	290	13	13	0	0	0	0	0
brownies, commercial	291	14	14	0	0	0	0	0
sugar cookies, commercial	292	12	12	0	0	0	0	0
suckers, any flavor	293	12	12	0	0	0	0	0
pretzels, hard, salted, any shape	294	13	13	0	0	0	0	0
chocolate syrup dessert topping	295	14	14	0	0	0	0	0
jelly, any flavor	296	13	13	0	0	0	0	0
sweet cucumber pickles	297	11	11	0	0	0	0	0
yellow mustard	298	14	14	0	0	0	0	0
black olives	299	12	12	0	0	0	0	0
sour cream	300	14	14	0	0	0	0	0
brown gravy, homemade	301	10	10	0	0	0	0	0
French salad dressing, regular	302	10	10	0	0	0	0	0
Italian salad dressing, low-calorie	303	11	11	0	0	0	0	0
olive/safflower oil	304	10	10	0	0	0	0	0
coffee, from ground	305	13	13	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Cesium-137

Reporting Limit = 5 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
fruit-flavored carbonated beverage	306	14	14	0	0	0	0	0
fruit drink, canned	307	13	13	0	0	0	0	0
martini	308	8	8	0	0	0	0	0
soy-based infant formula, ready-to-feed	309	14	14	0	0	0	0	0
egg yolk, strained/junior	310	4	4	0	0	0	0	0
rice infant cereal, instant, prepared with whole milk	311	10	10	0	0	0	0	0
rice cereal, strained/junior	312	6	6	0	0	0	0	0
bananas with tapioca, strained/junior	313	14	14	0	0	0	0	0
beets, strained/junior	314	5	5	0	0	0	0	0
split peas with vegetables and ham/bacon, strained/junior	316	6	6	0	0	0	0	0
teething biscuits	317	12	12	0	0	0	0	0
salmon, steaks or filets, fresh or frozen, baked	318	8	8	0	0	0	0	0
rice cereal with apple, strained/junior	319	4	4	0	0	0	0	0
squash, strained/junior	320	7	7	0	0	0	0	0
BF, cereal, oatmeal, dry, prep w/ water	323	3	3	0	0	0	0	0
BF, cereal, rice, dry, prep w/ water	324	3	3	0	0	0	0	0
BF, cereal, rice w/apples, dry, prep w/ water	325	3	3	0	0	0	0	0
BF, veal and broth/gravy	326	2	2	0	0	0	0	0
BF, lamb and broth/gravy	327	3	3	0	0	0	0	0
BF, turkey and broth/gravy	328	3	3	0	0	0	0	0
Meal replacement, liquid RTD, any flavor	331	3	3	0	0	0	0	0
Cottage cheese, creamed, lowfat (2% milk fat)	332	3	3	0	0	0	0	0
Sour cream dip, any flavor	333	3	3	0	0	0	0	0
Beef steak, loin/sirloin, broiled	334	3	3	0	0	0	0	0
Luncheon meat (chicken/turkey)	335	3	3	0	0	0	0	0
Chicken breast, fried, fast-food (w/ skin)	336	2	2	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Cesium-137

Reporting Limit = 5 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
Chicken thigh, oven-roasted (skin removed)	337	3	3	0	0	0	0	0
Chicken leg, fried, fast-food (w/ skin)	338	3	3	0	0	0	0	0
Catfish, pan-cooked w/ oil	339	2	2	0	0	0	0	0
Tuna, canned in water, drained	340	3	3	0	0	0	0	0
Refried beans, canned	341	3	3	0	0	0	0	0
White beans, dry, boiled	342	3	3	0	0	0	0	0
Sunflower seeds (shelled), roasted, salted	343	3	3	0	0	0	0	0
Pancakes, frozen, heated	344	3	3	0	0	0	0	0
Breakfast tart/toaster pastry	345	3	3	0	0	0	0	0
Macaroni salad, from grocery/deli	346	2	2	0	0	0	0	0
Spaghetti, enriched, boiled	347	3	3	0	0	0	0	0
Apricots, canned in heavy/light syrup	348	3	3	0	0	0	0	0
Fruit juice blend (100% juice), canned/bottled	350	3	3	0	0	0	0	0
Cranberry juice cocktail, canned/bottled	351	3	3	0	0	0	0	0
Orange juice, bottled/carton	352	3	3	0	0	0	0	0
Potato salad, mayonnaise-type, from grocery/deli	353	2	2	0	0	0	0	0
Potato, mashed, prepared from fresh	354	3	3	0	0	0	0	0
Coleslaw, mayonnaise-type, from grocery/deli	355	2	2	0	0	0	0	0
Carrot, baby, raw	356	3	3	0	0	0	0	0
Lettuce, leaf, raw	357	3	3	0	0	0	0	0
Sweet potatoes, canned	358	3	3	0	0	0	0	0
Tomato salsa, bottled	359	3	3	0	0	0	0	0
Beef and vegetable stew, canned	360	3	3	0	0	0	0	0
Lasagna w/ meat, frozen, heated	361	3	3	0	0	0	0	0
Beef w/ vegetables in sauce, from Chinese carry-out	362	3	3	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Cesium-137

Reporting Limit = 5 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
Chicken w/ vegetables in sauce, from Chinese carry-out	363	2	2	0	0	0	0	0
Fried rice, meatless, from Chinese carry-out	364	3	3	0	0	0	0	0
Burrito w/ beef, beans and cheese, from Mexican carry-out	365	3	3	0	0	0	0	0
Chicken filet (broiled) sandwich on bun, fast-food	366	3	3	0	0	0	0	0
Soup, Oriental noodles (ramen noodles), prep w/ water	367	3	3	0	0	0	0	0
Pudding, ready-to-eat, flavor other than chocolate	368	3	3	0	0	0	0	0
Cake, yellow w/ icing	369	2	2	0	0	0	0	0
Granola bar, w/ raisins	370	3	3	0	0	0	0	0
Candy bar, chocolate, nougat, and nuts	371	3	3	0	0	0	0	0
Popcorn, microwave, butter-flavored	372	3	3	0	0	0	0	0
Sweet & sour sauce	373	2	2	0	0	0	0	0
Brown gravy, canned or bottled	374	3	3	0	0	0	0	0
Salad dressing, creamy/buttermilk type, regular	375	3	3	0	0	0	0	0
Salad dressing, creamy/buttermilk type, low-calorie	376	3	3	0	0	0	0	0
Salad dressing, Italian, regular	377	3	3	0	0	0	0	0
Olive oil	378	3	3	0	0	0	0	0
Vegetable oil	379	3	3	0	0	0	0	0
Bottled drinking water (mineral/spring), not carbonated or flavored	380	3	3	0	0	0	0	0
Decaffeinated coffee, from ground	381	2	2	0	0	0	0	0
Decaffeinated tea, from tea bag	382	3	3	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Strontium-90

Reporting Limit = 0.1 Bq/kg

TDS Food Description	TDS	Number		Mean	Standard	Minimum	Maximum	Median
	Food No.	Number of Results	Not Detected	(Bq/kg)	Deviation (Bq/kg)	(Bq/kg)	(Bq/kg)	(Bq/kg)
Overall:		2443	1937	0.040	0.094	0	2.43	0
whole milk, fluid	1	8	6	0.041	0.076	0	0.184	0
lowfat (2% fat) milk, fluid	2	9	5	0.081	0.113	0	0.316	0
chocolate milk, fluid	3	10	10	0	0	0	0	0
skim milk, fluid	4	9	8	0.023	0.068	0	0.205	0
plain yogurt, lowfat	6	6	6	0	0	0	0	0
chocolate milk shake, fast-food	7	9	9	0	0	0	0	0
evaporated milk, canned	8	8	4	0.063	0.070	0	0.160	0.050
American, processed cheese	10	12	3	0.213	0.192	0	0.541	0.159
cottage cheese, 4% milkfat	11	9	7	0.021	0.064	0	0.193	0
cheddar cheese	12	10	0	0.326	0.144	0.144	0.574	0.268
ground beef, pan-cooked	13	9	7	0.052	0.105	0	0.281	0
beef chuck roast, baked	14	9	9	0	0	0	0	0
beef steak, loin, pan-cooked	16	6	5	0.023	0.057	0	0.139	0
ham, baked	17	9	8	0.038	0.114	0	0.341	0
pork chop, pan-cooked	18	9	8	0.036	0.108	0	0.325	0
pork sausage, pan-cooked	19	9	9	0	0	0	0	0
pork bacon, pan-cooked	20	9	9	0	0	0	0	0
pork roast, baked	21	9	8	0.029	0.086	0	0.258	0
lamb chop, pan-cooked	22	8	7	0.029	0.081	0	0.230	0
chicken, fried (breast, leg, and thigh)	24	5	5	0	0	0	0	0
turkey breast, roasted	26	8	8	0	0	0	0	0
liver, beef, fried	27	9	7	0.040	0.082	0	0.213	0
frankfurters, beef, boiled	28	8	8	0	0	0	0	0
bologna, sliced	29	12	10	0.019	0.046	0	0.126	0
salami, sliced	30	8	8	0	0	0	0	0
tuna, canned in oil	32	7	5	0.075	0.149	0	0.396	0
fish sticks, frozen, heated	34	10	10	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Strontium-90

Reporting Limit = 0.1 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
eggs, scrambled	35	12	12	0	0	0	0	0
eggs, fried	36	6	4	0.074	0.126	0	0.302	0
eggs, boiled	37	9	9	0	0	0	0	0
pinto beans, dry, boiled	38	12	5	0.078	0.071	0	0.174	0.115
pork and beans, canned	39	11	3	0.100	0.070	0	0.190	0.112
lima beans, immature, frozen, boiled	42	12	10	0.017	0.040	0	0.104	0
green peas, fresh/frozen, boiled	46	12	7	0.052	0.067	0	0.174	0
peanut butter, smooth	47	10	2	0.183	0.107	0	0.319	0.208
peanuts, dry roasted	48	12	2	0.203	0.120	0	0.376	0.230
white rice, cooked	50	9	7	0.047	0.094	0	0.241	0
oatmeal, quick (1-3 min), cooked	51	8	8	0	0	0	0	0
wheat cereal, farina, quick (1-3min), cooked	52	8	8	0	0	0	0	0
corngrits, regular, cooked	53	11	10	0.132	0.437	0	1.448	0
corn, fresh/frozen, boiled	54	9	8	0.019	0.056	0	0.167	0
Corn, canned	55	3	3	0	0	0	0	0
cream style corn, canned	56	6	6	0	0	0	0	0
popcorn, popped in oil	57	6	5	0.041	0.100	0	0.246	0
white bread	58	9	7	0.051	0.112	0	0.324	0
white roll	59	5	4	0.055	0.122	0	0.273	0
cornbread, homemade	60	9	7	0.029	0.058	0	0.151	0
biscuit, from refrigerated dough, baked	61	9	7	0.037	0.077	0	0.215	0
whole wheat bread	62	12	6	0.082	0.101	0	0.318	0.054
tortilla, flour	63	12	10	0.058	0.170	0	0.590	0
rye bread	64	10	6	0.086	0.146	0	0.458	0
blueberry muffin, commercial	65	11	4	0.112	0.103	0	0.292	0.126
saltine crackers	66	9	6	0.070	0.120	0	0.344	0
corn chips	67	9	8	0.055	0.166	0	0.499	0
pancake from mix	68	6	4	0.088	0.141	0	0.319	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Strontium-90

Reporting Limit = 0.1 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
egg noodles, boiled	69	9	8	0.024	0.072	0	0.217	0
macaroni, boiled	70	6	6	0	0	0	0	0
corn flakes	71	9	9	0	0	0	0	0
fruit-flavored, sweetened cereal	72	9	7	0.047	0.095	0	0.251	0
shredded wheat cereal	73	12	2	0.236	0.161	0	0.533	0.232
raisin bran cereal	74	12	1	0.238	0.103	0	0.415	0.236
crisped rice cereal	75	9	8	0.039	0.116	0	0.347	0
granola cereal	76	12	3	0.155	0.187	0	0.708	0.129
oat ring cereal	77	12	4	0.192	0.136	0	0.391	0.215
apple, red, raw	78	9	8	0.028	0.084	0	0.251	0
orange, raw	79	9	8	0.025	0.074	0	0.221	0
banana, raw	80	9	9	0	0	0	0	0
watermelon, raw	81	8	7	0.015	0.043	0	0.123	0
peach, raw	83	8	6	0.072	0.134	0	0.343	0
applesauce, bottled	84	8	7	0.022	0.062	0	0.174	0
pear, raw	85	9	8	0.012	0.035	0	0.106	0
strawberries, raw	86	8	8	0	0	0	0	0
fruit cocktail, canned in heavy syrup	87	9	9	0	0	0	0	0
grapes, red/green, seedless, raw	88	8	7	0.024	0.063	0	0.166	0
cantaloupe, raw	89	9	9	0	0	0	0	0
plums, raw	91	5	5	0	0	0	0	0
grapefruit, raw	92	8	7	0.026	0.074	0	0.210	0
pineapple, canned in juice	93	9	8	0.015	0.044	0	0.131	0
sweet cherries, raw	94	4	3	0.040	0.079	0	0.158	0
raisins, dried	95	12	10	0.039	0.106	0	0.360	0
prunes, dried	96	7	6	0.020	0.052	0	0.138	0
avocado, raw	97	9	9	0	0	0	0	0
orange juice, from frozen concentrate	98	9	7	0.046	0.091	0	0.229	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Strontium-90

Reporting Limit = 0.1 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
apple juice, bottled	99	9	8	0.019	0.058	0	0.175	0
grapefruit juice, from frozen concentrate	100	9	7	0.031	0.063	0	0.167	0
prune juice, bottled	103	10	8	0.047	0.102	0	0.286	0
lemonade, from frozen concentrate	105	9	6	0.046	0.064	0	0.144	0
spinach, fresh/frozen, boiled	107	12	6	0.123	0.140	0	0.400	0.089
collards, fresh/frozen, boiled	108	10	3	0.221	0.212	0	0.674	0.224
iceberg lettuce, raw	109	9	9	0	0	0	0	0
cabbage, fresh, boiled	110	12	6	0.096	0.106	0	0.255	0.067
coleslaw with dressing, homemade	111	9	7	0.039	0.086	0	0.252	0
sauerkraut, canned	112	8	3	0.116	0.097	0	0.211	0.168
broccoli, fresh/frozen, boiled	113	12	10	0.027	0.066	0	0.213	0
celery, raw	114	9	8	0.027	0.080	0	0.241	0
asparagus, fresh/frozen, boiled	115	9	8	0.012	0.037	0	0.112	0
cauliflower, fresh/frozen, boiled	116	9	8	0.011	0.034	0	0.102	0
tomato, red, raw	117	8	8	0	0	0	0	0
tomato sauce, plain, bottled	119	9	9	0	0	0	0	0
green beans, fresh/frozen, boiled	121	12	4	0.165	0.155	0	0.462	0.137
Green beans, canned	122	3	2	0.059	0.103	0	0.178	0
cucumber, raw	123	10	8	0.043	0.102	0	0.311	0
summer squash, fresh/frozen, boiled	124	9	9	0	0	0	0	0
green pepper, raw	125	9	8	0.015	0.045	0	0.136	0
winter squash, fresh/frozen, baked, mashed	126	10	7	0.079	0.142	0	0.371	0
onion, mature, raw	128	12	9	0.046	0.089	0	0.230	0
Beets, canned	131	3	3	0	0	0	0	0
radish, raw	132	8	6	0.032	0.061	0	0.154	0
French fries, frozen, heated	134	7	7	0	0	0	0	0
mashed potatoes, from flakes	135	7	6	0.019	0.051	0	0.134	0
white potato, boiled without skin	136	10	10	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Strontium-90

Reporting Limit = 0.1 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
white potato, baked with skin	137	12	9	0.035	0.064	0	0.170	0
potato chips	138	9	5	0.069	0.088	0	0.206	0
scalloped potatoes, homemade	139	7	5	0.059	0.101	0	0.213	0
sweet potato, fresh, baked	140	9	4	0.140	0.161	0	0.386	0
spaghetti with tomato sauce and meatballs, homemade	142	9	8	0.013	0.039	0	0.117	0
beef stew with potatoes, carrots, and onion, homemade	143	9	8	0.018	0.055	0	0.165	0
Chili con carne w/ beans, canned	145	3	3	0	0	0	0	0
macaroni and cheese, from box mix	146	12	12	0	0	0	0	0
quarter-pound hamburger on bun, fast-food	147	9	8	0.014	0.042	0	0.126	0
meatloaf, homemade	148	9	8	0.012	0.036	0	0.107	0
spaghetti with tomato sauce, canned	149	6	5	0.017	0.041	0	0.100	0
lasagna with meat, homemade	151	6	6	0	0	0	0	0
chicken potpie, frozen, heated	152	9	9	0	0	0	0	0
chicken noodle soup, canned, condensed, prepared with water	155	9	9	0	0	0	0	0
tomato soup, canned, condensed, prepared with water	156	8	8	0	0	0	0	0
vegetable beef soup, canned, condensed, prepared with water	157	7	7	0	0	0	0	0
white sauce, homemade	160	6	5	0.047	0.116	0	0.284	0
dill cucumber pickles	161	9	8	0.024	0.071	0	0.214	0
margarine, stick, regular (salted)	162	8	7	0.030	0.086	0	0.242	0
butter, regular (salted)	164	8	7	0.024	0.069	0	0.195	0
mayonnaise, regular, bottled	166	8	8	0	0	0	0	0
half & half cream	167	9	8	0.013	0.039	0	0.116	0
cream substitute, frozen	168	9	8	0.013	0.039	0	0.117	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Strontium-90

Reporting Limit = 0.1 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
white sugar, granulated	169	8	7	0.029	0.082	0	0.231	0
pancake syrup	170	8	8	0	0	0	0	0
honey	172	10	8	0.023	0.049	0	0.123	0
tomato catsup	173	9	7	0.041	0.086	0	0.241	0
chocolate pudding, from instant mix	175	6	4	0.049	0.077	0	0.167	0
vanilla flavored light ice cream	177	9	8	0.020	0.061	0	0.183	0
chocolate cake with chocolate icing,	178	8	7	0.017	0.049	0	0.138	0
yellow cake with white icing, prepared from cake and icing mixes	179	6	5	0.018	0.045	0	0.110	0
sweet roll/Danish, commercial	182	8	7	0.014	0.040	0	0.114	0
chocolate chip cookies, commercial	183	9	7	0.039	0.082	0	0.234	0
sandwich cookies with creme filling, commercial	184	8	6	0.047	0.091	0	0.235	0
apple pie, fresh/frozen, commercial	185	10	7	0.034	0.054	0	0.121	0
pumpkin pie, fresh/frozen, commercial	186	11	10	0.011	0.038	0	0.126	0
milk chocolate candy bar, plain	187	12	6	0.081	0.091	0	0.241	0.053
caramel candy	188	6	6	0	0	0	0	0
gelatin dessert, any flavor	190	10	10	0	0	0	0	0
cola carbonated beverage	191	8	7	0.051	0.143	0	0.405	0
fruit drink, from powder	193	9	9	0	0	0	0	0
low-calorie cola carbonated beverage	194	8	6	0.037	0.070	0	0.171	0
coffee, decaffeinated, from instant	196	6	4	0.074	0.119	0	0.270	0
tea, from tea bag	197	9	9	0	0	0	0	0
beer	198	8	8	0	0	0	0	0
dry table wine	199	9	9	0	0	0	0	0
whiskey	200	5	4	0.049	0.109	0	0.243	0
tap water	201	5	5	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Strontium-90

Reporting Limit = 0.1 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
milk-based infant formula, high iron, ready-to-feed	202	9	8	0.016	0.047	0	0.141	0
milk-based infant formula, low iron, ready-to-feed	203	10	9	0.017	0.055	0	0.174	0
beef, strained/junior	205	9	9	0	0	0	0	0
chicken, strained/junior, with/without broth or gravy	207	9	8	0.024	0.073	0	0.220	0
chicken/turkey with vegetables, high/lean meat, strained/junior	208	1	1	0	-	0	0	0
beef with vegetables, high/lean meat, strained/junior	209	1	1	0	-	0	0	0
ham with vegetables, high/lean meat, strained/junior	210	1	1	0	-	0	0	0
vegetables and beef, strained/junior	211	9	8	0.054	0.161	0	0.482	0
vegetables and chicken, strained/junior	212	9	5	0.058	0.072	0	0.184	0
vegetables and ham, strained/junior	213	9	8	0.011	0.034	0	0.101	0
chicken noodle dinner, strained/junior	214	12	9	0.035	0.067	0	0.193	0
macaroni, tomatoes, and beef, strained/junior	215	11	11	0	0	0	0	0
turkey and rice, strained/junior	216	9	8	0.014	0.043	0	0.129	0
carrots, strained/junior	218	12	6	0.124	0.151	0	0.438	0.058
green beans, strained/junior	219	12	2	0.157	0.093	0	0.337	0.173
mixed vegetables, strained/junior	220	12	10	0.068	0.205	0	0.711	0
sweet potatoes, strained/junior	221	12	3	0.157	0.116	0	0.333	0.158
creamed corn, strained/junior	222	5	5	0	0	0	0	0
peas, strained/junior	223	9	8	0.016	0.047	0	0.142	0
creamed spinach, strained/junior	224	9	3	0.234	0.182	0	0.448	0.299
applesauce, strained/junior	225	9	9	0	0	0	0	0
peaches, strained/junior	226	9	9	0	0	0	0	0
pears, strained/junior	227	8	8	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Strontium-90

Reporting Limit = 0.1 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
apple juice, strained	230	9	9	0	0	0	0	0
orange juice, strained	231	9	7	0.089	0.190	0	0.541	0
custard pudding, strained/junior	232	9	7	0.036	0.073	0	0.181	0
fruit dessert/pudding, strained/junior	233	9	9	0	0	0	0	0
fruit-flavored yogurt, lowfat (fruit mixed in)	235	9	9	0	0	0	0	0
Swiss cheese	236	12	3	0.337	0.257	0	0.707	0.341
cream cheese	237	9	7	0.081	0.205	0	0.620	0
veal cutlet, pan-cooked	238	6	5	0.039	0.094	0	0.231	0
ham luncheon meat, sliced	239	9	8	0.042	0.125	0	0.375	0
chicken breast, roasted	240	9	7	0.122	0.300	0	0.858	0
chicken nuggets, fast-food	241	8	8	0	0	0	0	0
chicken, fried (breast, leg, and thigh), fast-food	242	6	4	0.044	0.069	0	0.146	0
haddock, pan-cooked	243	2	2	0	0	0	0	0
shrimp, boiled	244	9	8	0.039	0.118	0	0.354	0
kidney beans, dry, boiled	245	8	4	0.133	0.167	0	0.437	0.074
peas, mature, dry, boiled	246	7	5	0.113	0.193	0	0.397	0
mixed nuts, no peanuts, dry roasted	247	7	1	1.421	0.862	0	2.427	1.860
cracked wheat bread	248	9	5	0.040	0.061	0	0.137	0
bagel, plain	249	9	6	0.115	0.164	0	0.387	0
English muffin, plain, toasted	250	8	7	0.026	0.072	0	0.204	0
graham crackers	251	8	8	0	0	0	0	0
butter-type crackers	252	9	8	0.018	0.053	0	0.160	0
apricot, raw	253	4	3	0.055	0.110	0	0.220	0
peach, canned in light/medium syrup	254	8	8	0	0	0	0	0
pear, canned in light syrup	255	10	8	0.024	0.050	0	0.132	0
pineapple juice, from frozen concentrate	256	9	7	0.053	0.121	0	0.356	0
grape juice, from frozen concentrate	257	9	9	0	0	0	0	0
French fries, fast-food	258	11	9	0.024	0.054	0	0.156	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Strontium-90

Reporting Limit = 0.1 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
carrot, fresh, boiled	259	11	7	0.077	0.110	0	0.252	0
tomato, stewed, canned	260	4	4	0	0	0	0	0
tomato juice, bottled	261	10	9	0.014	0.043	0	0.129	0
beets, fresh/frozen, boiled	262	7	5	0.038	0.067	0	0.158	0
Brussels sprouts, fresh/frozen, boiled	263	9	8	0.015	0.045	0	0.135	0
mushrooms, raw	264	10	9	0.013	0.038	0	0.113	0
eggplant, fresh, boiled	265	9	9	0	0	0	0	0
turnip, fresh/frozen, boiled	266	11	4	0.153	0.149	0	0.396	0.153
okra, fresh/frozen, boiled	267	11	9	0.047	0.110	0	0.337	0
mixed vegetables, frozen, boiled	268	11	8	0.058	0.109	0	0.326	0
beef stroganoff, homemade	269	9	9	0	0	0	0	0
green peppers stuffed with beef and rice, homemade	270	6	6	0	0	0	0	0
chili con carne with beans, homemade	271	9	5	0.053	0.064	0	0.141	0
tuna noodle casserole, homemade	272	9	8	0.020	0.060	0	0.180	0
Salisbury steak with gravy, potatoes, and vegetable, frozen meal, heated	273	5	5	0	0	0	0	0
turkey with gravy, dressing, potatoes, and vegetable, frozen meal, heated	274	6	6	0	0	0	0	0
quarter-pound cheeseburger on bun, fast-food	275	8	8	0	0	0	0	0
fish sandwich on bun, fast-food	276	8	8	0	0	0	0	0
frankfurter on bun, fast-food	277	5	4	0.027	0.060	0	0.135	0
egg, cheese, and ham on English muffin, fast- food	278	8	6	0.038	0.070	0	0.155	0
taco/tostada, from Mexican carry-out	279	10	7	0.043	0.070	0	0.163	0
cheese pizza, regular crust, from pizza carry- out	280	9	3	0.099	0.079	0	0.181	0.111

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Strontium-90

Reporting Limit = 0.1 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
cheese and pepperoni pizza, regular crust, from pizza carry-out	281	12	5	0.107	0.128	0	0.440	0.109
beef chow mein, from Chinese carry-out	282	6	6	0	0	0	0	0
bean with bacon/pork soup, canned, condensed, prepared with water	283	9	8	0.019	0.058	0	0.174	0
mushroom soup, canned, condensed, prepared with whole milk	284	7	7	0	0	0	0	0
clam chowder, New England, canned, condensed, prepared with whole milk	285	9	8	0.018	0.055	0	0.164	0
vanilla ice cream	286	9	8	0.020	0.059	0	0.176	0
fruit flavor sherbet	287	9	8	0.015	0.044	0	0.131	0
popsicle, any flavor	288	9	8	0.028	0.084	0	0.252	0
chocolate snack cake with chocolate icing	289	6	6	0	0	0	0	0
cake doughnuts with icing, any flavor, from doughnut store	290	9	7	0.037	0.077	0	0.212	0
brownies, commercial	291	8	6	0.034	0.063	0	0.141	0
sugar cookies, commercial	292	7	7	0	0	0	0	0
suckers, any flavor	293	9	9	0	0	0	0	0
pretzels, hard, salted, any shape	294	9	4	0.105	0.111	0	0.279	0.104
chocolate syrup dessert topping	295	8	7	0.017	0.048	0	0.136	0
jelly, any flavor	296	8	8	0	0	0	0	0
sweet cucumber pickles	297	6	4	0.041	0.064	0	0.140	0
yellow mustard	298	10	1	0.276	0.280	0	1.044	0.207
black olives	299	7	6	0.015	0.040	0	0.107	0
sour cream	300	9	8	0.019	0.057	0	0.172	0
brown gravy, homemade	301	6	5	0.037	0.091	0	0.224	0
French salad dressing, regular	302	6	4	0.088	0.138	0	0.301	0
Italian salad dressing, low-calorie	303	5	3	0.047	0.064	0	0.119	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Strontium-90

Reporting Limit = 0.1 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
olive/safflower oil	304	5	4	0.029	0.064	0	0.143	0
coffee, from ground	305	8	8	0	0	0	0	0
fruit-flavored carbonated beverage	306	9	8	0.021	0.063	0	0.188	0
fruit drink, canned	307	9	9	0	0	0	0	0
martini	308	3	3	0	0	0	0	0
soy-based infant formula, ready-to-feed	309	10	10	0	0	0	0	0
egg yolk, strained/junior	310	2	2	0	0	0	0	0
rice infant cereal, instant, prepared with whole milk	311	6	5	0.019	0.045	0	0.111	0
rice cereal, strained/junior	312	2	2	0	0	0	0	0
bananas with tapioca, strained/junior	313	10	9	0.012	0.039	0	0.124	0
beets, strained/junior	314	4	0	0.172	0.043	0.144	0.237	0.154
split peas with vegetables and ham/bacon, strained/junior	316	3	3	0	0	0	0	0
teething biscuits	317	11	4	0.135	0.143	0	0.481	0.148
salmon, steaks or filets, fresh or frozen, baked	318	6	6	0	0	0	0	0
rice cereal with apple, strained/junior	319	4	4	0	0	0	0	0
squash, strained/junior	320	7	5	0.039	0.069	0	0.162	0
BF, cereal, oatmeal, dry, prep w/ water	323	3	3	0	0	0	0	0
BF, cereal, rice, dry, prep w/ water	324	3	3	0	0	0	0	0
BF, cereal, rice w/apples, dry, prep w/ water	325	3	3	0	0	0	0	0
BF, veal and broth/gravy	326	3	3	0	0	0	0	0
BF, lamb and broth/gravy	327	3	3	0	0	0	0	0
BF, turkey and broth/gravy	328	3	3	0	0	0	0	0
Meal replacement, liquid RTD, any flavor	331	3	3	0	0	0	0	0
Cottage cheese, creamed, lowfat (2% milk fat)	332	3	3	0	0	0	0	0
Sour cream dip, any flavor	333	3	3	0	0	0	0	0
Beef steak, loin/sirloin, broiled	334	3	3	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Strontium-90

Reporting Limit = 0.1 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
Luncheon meat (chicken/turkey)	335	3	3	0	0	0	0	0
Chicken breast, fried, fast-food (w/ skin)	336	2	2	0	0	0	0	0
Chicken thigh, oven-roasted (skin removed)	337	3	3	0	0	0	0	0
Chicken leg, fried, fast-food (w/ skin)	338	3	2	0.036	0.063	0	0.109	0
Catfish, pan-cooked w/ oil	339	2	2	0	0	0	0	0
Tuna, canned in water, drained	340	3	3	0	0	0	0	0
Refried beans, canned	341	3	1	0.072	0.062	0	0.111	0.104
White beans, dry, boiled	342	3	0	0.163	0.068	0.115	0.241	0.133
Sunflower seeds (shelled), roasted, salted	343	3	1	0.102	0.092	0	0.179	0.127
Pancakes, frozen, heated	344	3	3	0	0	0	0	0
Breakfast tart/toaster pastry	345	3	2	0.041	0.070	0	0.122	0
Macaroni salad, from grocery/deli	346	2	2	0	0	0	0	0
Spaghetti, enriched, boiled	347	3	3	0	0	0	0	0
Apricots, canned in heavy/light syrup	348	3	3	0	0	0	0	0
Fruit juice blend (100% juice), canned/bottled	350	3	3	0	0	0	0	0
Cranberry juice cocktail, canned/bottled	351	3	3	0	0	0	0	0
Orange juice, bottled/carton	352	3	3	0	0	0	0	0
Potato salad, mayonnaise-type, from grocery/deli	353	2	2	0	0	0	0	0
Potato, mashed, prepared from fresh	354	3	3	0	0	0	0	0
Coleslaw, mayonnaise-type, from grocery/deli	355	2	0	0.104	0.002	0.102	0.105	0.104
Carrot, baby, raw	356	3	3	0	0	0	0	0
Lettuce, leaf, raw	357	3	3	0	0	0	0	0
Sweet potatoes, canned	358	3	0	0.136	0.022	0.113	0.156	0.140
Tomato salsa, bottled	359	3	3	0	0	0	0	0
Beef and vegetable stew, canned	360	3	3	0	0	0	0	0
Lasagna w/ meat, frozen, heated	361	3	3	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Strontium-90

Reporting Limit = 0.1 Bq/kg

TDS Food Description	TDS	Number		Mean	Standard	Minimum	Maximum	Median
	Food No.	Number of Results	Not Detected	(Bq/kg)	Deviation (Bq/kg)	(Bq/kg)	(Bq/kg)	(Bq/kg)
Beef w/ vegetables in sauce, from Chinese carry-out	362	3	3	0	0	0	0	0
Chicken w/ vegetables in sauce, from Chinese carry-out	363	3	3	0	0	0	0	0
Fried rice, meatless, from Chinese carry-out	364	3	3	0	0	0	0	0
Burrito w/ beef, beans and cheese, from Mexican carry-out	365	3	3	0	0	0	0	0
Chicken filet (broiled) sandwich on bun, fast-food	366	3	3	0	0	0	0	0
Soup, Oriental noodles (ramen noodles), prep w/ water	367	3	3	0	0	0	0	0
Pudding, ready-to-eat, flavor other than chocolate	368	3	2	0.046	0.080	0	0.138	0
Cake, yellow w/ icing	369	2	2	0	0	0	0	0
Granola bar, w/ raisins	370	3	3	0	0	0	0	0
Candy bar, chocolate, nougat, and nuts	371	3	2	0.036	0.062	0	0.108	0
Popcorn, microwave, butter-flavored	372	3	3	0	0	0	0	0
Sweet & sour sauce	373	2	2	0	0	0	0	0
Brown gravy, canned or bottled	374	3	3	0	0	0	0	0
Salad dressing, creamy/buttermilk type, regular	375	3	3	0	0	0	0	0
Salad dressing, creamy/buttermilk type, low-calorie	376	3	3	0	0	0	0	0
Salad dressing, Italian, regular	377	3	3	0	0	0	0	0
Olive oil	378	3	3	0	0	0	0	0
Vegetable oil	379	3	3	0	0	0	0	0
Bottled drinking water (mineral/spring), not carbonated or flavored	380	3	3	0	0	0	0	0
Decaffeinated coffee, from ground	381	2	2	0	0	0	0	0
Decaffeinated tea, from tea bag	382	3	3	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Potassium-40

Reporting Limit = 70 Bq/kg

TDS Food Description	TDS	Number		Mean	Standard	Minimum	Maximum	Median
	Food No.	Number of Results	Not Detected	(Bq/kg)	Deviation (Bq/kg)	(Bq/kg)	(Bq/kg)	(Bq/kg)
Overall:		3295	2253	38	52	0	506	0
whole milk, fluid	1	13	12	26	95	0	344	0
lowfat (2% fat) milk, fluid	2	13	12	6	22	0	78	0
chocolate milk, fluid	3	13	11	12	31	0	90	0
skim milk, fluid	4	13	10	17	32	0	76	0
plain yogurt, lowfat	6	10	7	29	48	0	129	0
chocolate milk shake, fast-food	7	13	8	33	43	0	104	0
evaporated milk, canned	8	10	1	89	40	0	160	89
American, processed cheese	10	13	9	27	43	0	110	0
cottage cheese, 4% milkfat	11	10	10	0	0	0	0	0
cheddar cheese	12	13	13	0	0	0	0	0
ground beef, pan-cooked	13	13	1	101	39	0	169	97
beef chuck roast, baked	14	13	0	107	22	81	145	104
beef steak, loin, pan-cooked	16	10	0	115	17	85	139	113
ham, baked	17	12	4	80	72	0	242	101
pork chop, pan-cooked	18	13	0	144	53	77	231	114
pork sausage, pan-cooked	19	13	1	88	32	0	136	91
pork bacon, pan-cooked	20	13	0	121	33	72	189	121
pork roast, baked	21	13	0	134	33	82	197	121
lamb chop, pan-cooked	22	12	1	122	58	0	223	115
chicken, fried (breast, leg, and thigh)	24	9	1	100	45	0	162	107
turkey breast, roasted	26	13	0	118	26	82	152	115
liver, beef, fried	27	13	1	111	47	0	196	107
frankfurters, beef, boiled	28	13	11	15	38	0	114	0
bologna, sliced	29	13	6	63	66	0	180	83
salami, sliced	30	13	3	72	46	0	138	79
tuna, canned in oil	32	10	4	47	41	0	85	73
fish sticks, frozen, heated	34	13	7	40	47	0	126	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Potassium-40

Reporting Limit = 70 Bq/kg

TDS Food Description	TDS	Number		Standard	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)	
	Food No.	Number of Results	Not Detected	Mean (Bq/kg)				Deviation (Bq/kg)
eggs, scrambled	35	13	11	15	38	0	124	0
eggs, fried	36	10	9	8	24	0	76	0
eggs, boiled	37	13	13	0	0	0	0	0
pinto beans, dry, boiled	38	13	0	139	34	73	185	134
pork and beans, canned	39	11	4	61	52	0	137	73
lima beans, immature, frozen, boiled	42	13	4	74	57	0	167	82
green peas, fresh/frozen, boiled	46	13	13	0	0	0	0	0
peanut butter, smooth	47	13	0	186	32	135	248	187
peanuts, dry roasted	48	13	0	226	73	142	438	206
white rice, cooked	50	12	12	0	0	0	0	0
oatmeal, quick (1-3 min), cooked	51	12	11	7	23	0	79	0
wheat cereal, farina, quick (1-3min), cooked	52	12	11	11	39	0	135	0
corngrits, regular, cooked	53	13	13	0	0	0	0	0
corn, fresh/frozen, boiled	54	13	10	19	36	0	93	0
Corn, canned	55	3	3	0	0	0	0	0
cream style corn, canned	56	10	9	13	40	0	127	0
popcorn, popped in oil	57	9	9	56	169	0	506	0
white bread	58	12	12	12	40	0	138	0
white roll	59	10	8	33	81	0	255	0
cornbread, homemade	60	13	13	0	0	0	0	0
biscuit, from refrigerated dough, baked	61	13	4	93	84	0	288	101
whole wheat bread	62	12	4	74	70	0	241	80
tortilla, flour	63	13	12	7	26	0	93	0
rye bread	64	12	11	6	22	0	75	0
blueberry muffin, commercial	65	13	12	10	34	0	124	0
saltine crackers	66	13	12	6	21	0	74	0
corn chips	67	13	11	13	31	0	84	0
pancake from mix	68	10	8	33	70	0	188	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Potassium-40

Reporting Limit = 70 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected		Deviation (Bq/kg)			
egg noodles, boiled	69	13	12	2	6	0	20	0
macaroni, boiled	70	10	10	0	0	0	0	0
corn flakes	71	13	12	16	56	0	202	0
fruit-flavored, sweetened cereal	72	13	12	8	29	0	106	0
shredded wheat cereal	73	13	0	119	22	87	151	118
raisin bran cereal	74	13	0	220	76	167	455	200
crisped rice cereal	75	13	13	0	0	0	0	0
granola cereal	76	13	1	125	44	0	182	135
oat ring cereal	77	13	1	131	67	0	275	125
apple, red, raw	78	13	13	0	0	0	0	0
orange, raw	79	13	9	26	41	0	104	0
banana, raw	80	13	1	103	34	0	136	110
watermelon, raw	81	12	9	30	62	0	200	0
peach, raw	83	9	7	19	37	0	95	0
applesauce, bottled	84	13	13	0	0	0	0	0
pear, raw	85	13	13	0	0	0	0	0
strawberries, raw	86	11	10	9	31	0	104	0
fruit cocktail, canned in heavy syrup	87	13	13	0	0	0	0	0
grapes, red/green, seedless, raw	88	13	11	12	30	0	81	0
cantaloupe, raw	89	13	5	59	51	0	136	77
plums, raw	91	7	5	23	39	0	84	0
grapefruit, raw	92	12	8	26	38	0	85	0
pineapple, canned in juice	93	13	11	17	44	0	147	0
sweet cherries, raw	94	5	1	67	39	0	101	80
raisins, dried	95	13	0	227	28	184	278	221
prunes, dried	96	10	0	226	33	174	285	227
avocado, raw	97	13	0	155	29	99	195	161
orange juice, from frozen concentrate	98	13	11	13	32	0	95	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Potassium-40

Reporting Limit = 70 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
apple juice, bottled	99	12	11	13	31	0	90	0
grapefruit juice, from frozen concentrate	100	13	13	0	0	0	0	0
prune juice, bottled	103	13	9	23	36	0	83	0
lemonade, from frozen concentrate	105	13	13	0	0	0	0	0
spinach, fresh/frozen, boiled	107	13	6	48	49	0	131	72
collards, fresh/frozen, boiled	108	13	12	7	24	0	86	0
iceberg lettuce, raw	109	13	11	14	35	0	103	0
cabbage, fresh, boiled	110	13	13	7	24	0	85	0
coleslaw with dressing, homemade	111	10	10	0	0	0	0	0
sauerkraut, canned	112	10	7	25	41	0	96	0
broccoli, fresh/frozen, boiled	113	13	13	0	0	0	0	0
celery, raw	114	13	3	76	53	0	195	85
asparagus, fresh/frozen, boiled	115	13	13	0	0	0	0	0
cauliflower, fresh/frozen, boiled	116	13	12	7	26	0	93	0
tomato, red, raw	117	13	6	47	46	0	109	72
tomato sauce, plain, bottled	119	13	0	95	14	79	118	95
green beans, fresh/frozen, boiled	121	12	12	0	0	0	0	0
Green beans, canned	122	3	3	0	0	0	0	0
cucumber, raw	123	13	12	6	22	0	79	0
summer squash, fresh/frozen, boiled	124	13	13	0	0	0	0	0
green pepper, raw	125	13	12	6	20	0	73	0
winter squash, fresh/frozen, baked, mashed	126	13	1	101	39	0	145	104
onion, mature, raw	128	13	10	17	32	0	79	0
Beets, canned	131	3	2	27	47	0	82	0
radish, raw	132	10	5	46	53	0	149	36
French fries, frozen, heated	134	10	0	120	21	94	146	120
mashed potatoes, from flakes	135	10	5	45	49	0	115	36
white potato, boiled without skin	136	13	4	72	54	0	158	83

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Potassium-40

Reporting Limit = 70 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
white potato, baked with skin	137	12	0	164	47	118	296	152
potato chips	138	12	2	334	165	0	477	380
scalloped potatoes, homemade	139	9	1	81	34	0	123	87
sweet potato, fresh, baked	140	10	1	113	52	0	195	112
spaghetti with tomato sauce and meatballs, homemade	142	13	10	21	40	0	101	0
beef stew with potatoes, carrots, and onion, homemade	143	10	1	82	31	0	118	88
Chili con carne w/ beans, canned	145	3	0	84	11	72	93	88
macaroni and cheese, from box mix	146	13	13	0	0	0	0	0
quarter-pound hamburger on bun, fast-food	147	13	7	44	51	0	121	0
meatloaf, homemade	148	13	2	75	36	0	128	82
spaghetti with tomato sauce, canned	149	10	10	0	0	0	0	0
lasagna with meat, homemade	151	10	7	29	49	0	131	0
chicken potpie, frozen, heated	152	13	12	6	22	0	81	0
chicken noodle soup, canned, condensed, prepared with water	155	13	13	0	0	0	0	0
tomato soup, canned, condensed, prepared with water	156	13	12	5	19	0	70	0
vegetable beef soup, canned, condensed, prepared with water	157	13	13	0	0	0	0	0
white sauce, homemade	160	10	10	0	0	0	0	0
dill cucumber pickles	161	13	13	6	23	0	83	0
margarine, stick, regular (salted)	162	13	12	7	24	0	85	0
butter, regular (salted)	164	13	13	0	0	0	0	0
mayonnaise, regular, bottled	166	13	13	0	0	0	0	0
half & half cream	167	13	12	6	21	0	75	0
cream substitute, frozen	168	13	12	6	20	0	72	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Potassium-40

Reporting Limit = 70 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
white sugar, granulated	169	12	12	0	0	0	0	0
pancake syrup	170	11	11	0	0	0	0	0
honey	172	12	12	0	0	0	0	0
tomato catsup	173	13	2	88	42	0	129	97
chocolate pudding, from instant mix	175	9	6	50	94	0	281	0
vanilla flavored light ice cream	177	12	5	62	77	0	272	73
chocolate cake with chocolate icing,	178	12	6	43	46	0	105	38
yellow cake with white icing, prepared from cake and icing mixes	179	10	9	16	51	0	162	0
sweet roll/Danish, commercial	182	12	12	7	24	0	83	0
chocolate chip cookies, commercial	183	13	9	24	38	0	81	0
sandwich cookies with creme filling, commercial	184	12	10	14	34	0	96	0
apple pie, fresh/frozen, commercial	185	13	13	0	0	0	0	0
pumpkin pie, fresh/frozen, commercial	186	13	12	6	21	0	76	0
milk chocolate candy bar, plain	187	13	1	127	53	0	221	131
caramel candy	188	10	9	10	32	0	102	0
gelatin dessert, any flavor	190	13	13	0	0	0	0	0
cola carbonated beverage	191	12	12	0	0	0	0	0
fruit drink, from powder	193	13	13	0	0	0	0	0
low-calorie cola carbonated beverage	194	12	12	0	0	0	0	0
coffee, decaffeinated, from instant	196	10	10	0	0	0	0	0
tea, from tea bag	197	13	13	0	0	0	0	0
beer	198	12	12	0	0	0	0	0
dry table wine	199	13	13	0	0	0	0	0
whiskey	200	9	8	13	39	0	117	0
tap water	201	9	9	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Potassium-40

Reporting Limit = 70 Bq/kg

TDS Food Description	TDS	Number		Standard	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected	Mean (Bq/kg)			
milk-based infant formula, high iron, ready-to-feed	202	13	13	0	0	0	0
milk-based infant formula, low iron, ready-to-feed	203	13	13	0	0	0	0
beef, strained/junior	205	13	11	11	28	0	76
chicken, strained/junior, with/without broth or gravy	207	13	11	15	37	0	112
chicken/turkey with vegetables, high/lean meat, strained/junior	208	1	1	0	-	0	0
beef with vegetables, high/lean meat, strained/junior	209	1	1	0	-	0	0
ham with vegetables, high/lean meat, strained/junior	210	1	1	0	-	0	0
vegetables and beef, strained/junior	211	13	11	12	28	0	79
vegetables and chicken, strained/junior	212	13	11	13	33	0	98
vegetables and ham, strained/junior	213	12	10	14	33	0	85
chicken noodle dinner, strained/junior	214	13	12	6	20	0	72
macaroni, tomatoes, and beef, strained/junior	215	13	9	24	38	0	89
turkey and rice, strained/junior	216	13	12	6	22	0	81
carrots, strained/junior	218	13	11	15	38	0	112
green beans, strained/junior	219	13	10	18	34	0	82
mixed vegetables, strained/junior	220	13	11	15	36	0	99
sweet potatoes, strained/junior	221	13	5	58	48	0	103
creamed corn, strained/junior	222	9	9	0	0	0	0
peas, strained/junior	223	13	13	0	0	0	0
creamed spinach, strained/junior	224	10	7	34	59	0	170
applesauce, strained/junior	225	13	13	0	0	0	0
peaches, strained/junior	226	13	10	23	44	0	120
pears, strained/junior	227	13	13	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Potassium-40

Reporting Limit = 70 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
apple juice, strained	230	13	13	0	0	0	0	0
orange juice, strained	231	13	10	19	36	0	95	0
custard pudding, strained/junior	232	13	11	39	120	0	433	0
fruit dessert/pudding, strained/junior	233	13	12	6	22	0	80	0
fruit-flavored yogurt, lowfat (fruit mixed in)	235	13	12	6	20	0	72	0
Swiss cheese	236	13	13	0	0	0	0	0
cream cheese	237	13	12	7	24	0	85	0
veal cutlet, pan-cooked	238	10	0	158	41	104	238	153
ham luncheon meat, sliced	239	13	3	94	60	0	174	101
chicken breast, roasted	240	13	0	141	48	76	277	132
chicken nuggets, fast-food	241	13	6	51	50	0	120	76
chicken, fried (breast, leg, and thigh), fast-food	242	10	5	50	54	0	130	39
haddock, pan-cooked	243	5	0	130	16	113	157	126
shrimp, boiled	244	13	12	6	22	0	78	0
kidney beans, dry, boiled	245	10	0	137	37	85	190	144
peas, mature, dry, boiled	246	10	1	98	43	0	148	101
mixed nuts, no peanuts, dry roasted	247	10	0	192	34	132	248	195
cracked wheat bread	248	13	10	24	47	0	132	0
bagel, plain	249	13	12	17	43	0	128	0
English muffin, plain, toasted	250	13	12	9	33	0	119	0
graham crackers	251	12	9	18	33	0	76	0
butter-type crackers	252	12	11	6	22	0	75	0
apricot, raw	253	5	0	113	9	104	123	110
peach, canned in light/medium syrup	254	13	11	13	31	0	91	0
pear, canned in light syrup	255	13	13	0	0	0	0	0
pineapple juice, from frozen concentrate	256	13	12	6	20	0	73	0
grape juice, from frozen concentrate	257	13	13	0	0	0	0	0
French fries, fast-food	258	13	0	189	31	142	252	183

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Potassium-40

Reporting Limit = 70 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
carrot, fresh, boiled	259	13	6	47	48	0	133	72
tomato, stewed, canned	260	9	7	20	40	0	98	0
tomato juice, bottled	261	13	5	53	47	0	135	71
beets, fresh/frozen, boiled	262	10	1	105	42	0	149	104
Brussels sprouts, fresh/frozen, boiled	263	13	2	90	47	0	154	98
mushrooms, raw	264	12	0	96	27	73	172	85
eggplant, fresh, boiled	265	13	12	6	23	0	84	0
turnip, fresh/frozen, boiled	266	12	8	26	39	0	85	0
okra, fresh/frozen, boiled	267	13	13	0	0	0	0	0
mixed vegetables, frozen, boiled	268	13	12	8	29	0	106	0
beef stroganoff, homemade	269	13	10	18	34	0	83	0
green peppers stuffed with beef and rice, homemade	270	10	7	25	41	0	101	0
chili con carne with beans, homemade	271	10	1	88	33	0	113	92
tuna noodle casserole, homemade	272	13	13	0	0	0	0	0
Salisbury steak with gravy, potatoes, and vegetable. frozen meal. heated	273	10	8	15	32	0	79	0
turkey with gravy, dressing, potatoes, and vegetable. frozen meal. heated	274	10	8	17	36	0	91	0
quarter-pound cheeseburger on bun, fast-food	275	13	6	53	53	0	139	70
fish sandwich on bun, fast-food	276	13	7	39	46	0	124	0
frankfurter on bun, fast-food	277	10	7	29	49	0	136	0
egg, cheese, and ham on English muffin, fast- food	278	13	11	12	28	0	76	0
taco/tostada, from Mexican carry-out	279	13	7	39	45	0	112	0
cheese pizza, regular crust, from pizza carry- out	280	10	8	17	37	0	98	0
cheese and pepperoni pizza, regular crust, from pizza carry-out	281	13	6	45	44	0	105	72

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Potassium-40

Reporting Limit = 70 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
beef chow mein, from Chinese carry-out	282	10	8	14	30	0	72	0
bean with bacon/pork soup, canned, condensed, prepared with water	283	13	11	12	30	0	81	0
mushroom soup, canned, condensed, prepared with whole milk	284	10	9	8	24	0	76	0
clam chowder, New England, canned, condensed. prepared with whole milk	285	13	12	7	24	0	88	0
vanilla ice cream	286	13	5	51	43	0	95	74
fruit flavor sherbet	287	13	13	0	0	0	0	0
popsicle, any flavor	288	12	12	0	0	0	0	0
chocolate snack cake with chocolate icing	289	10	4	58	52	0	121	75
cake doughnuts with icing, any flavor, from doughnut store	290	12	12	8	26	0	90	0
brownies, commercial	291	13	8	38	50	0	111	0
sugar cookies, commercial	292	11	11	0	0	0	0	0
suckers, any flavor	293	12	12	0	0	0	0	0
pretzels, hard, salted, any shape	294	12	7	37	46	0	98	0
chocolate syrup dessert topping	295	13	9	37	68	0	229	0
jelly, any flavor	296	12	12	6	20	0	71	0
sweet cucumber pickles	297	10	9	8	24	0	77	0
yellow mustard	298	13	13	0	0	0	0	0
black olives	299	11	11	0	0	0	0	0
sour cream	300	13	12	6	23	0	82	0
brown gravy, homemade	301	9	1	134	95	0	282	101
French salad dressing, regular	302	9	9	0	0	0	0	0
Italian salad dressing, low-calorie	303	10	10	0	0	0	0	0
olive/safflower oil	304	9	8	8	24	0	72	0
coffee, from ground	305	12	12	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Potassium-40

Reporting Limit = 70 Bq/kg

TDS Food Description	TDS	Number		Mean	Standard	Minimum	Maximum	Median
	Food No.	Number of Results	Not Detected	(Bq/kg)	Deviation (Bq/kg)	(Bq/kg)	(Bq/kg)	(Bq/kg)
fruit-flavored carbonated beverage	306	13	13	0	0	0	0	0
fruit drink, canned	307	13	13	0	0	0	0	0
martini	308	7	7	0	0	0	0	0
soy-based infant formula, ready-to-feed	309	13	13	0	0	0	0	0
egg yolk, strained/junior	310	4	4	0	0	0	0	0
rice infant cereal, instant, prepared with whole milk	311	9	7	18	36	0	89	0
rice cereal, strained/junior	312	5	5	0	0	0	0	0
bananas with tapioca, strained/junior	313	13	9	28	44	0	108	0
beets, strained/junior	314	4	1	68	46	0	102	85
split peas with vegetables and ham/bacon, strained/junior	316	5	5	0	0	0	0	0
teething biscuits	317	12	1	121	42	0	164	127
salmon, steaks or filets, fresh or frozen, baked	318	8	0	124	18	102	151	120
rice cereal with apple, strained/junior	319	4	4	0	0	0	0	0
squash, strained/junior	320	7	2	67	47	0	104	92
BF, cereal, oatmeal, dry, prep w/ water	323	3	3	0	0	0	0	0
BF, cereal, rice, dry, prep w/ water	324	3	3	0	0	0	0	0
BF, cereal, rice w/apples, dry, prep w/ water	325	3	3	0	0	0	0	0
BF, veal and broth/gravy	326	2	2	0	0	0	0	0
BF, lamb and broth/gravy	327	3	3	0	0	0	0	0
BF, turkey and broth/gravy	328	3	3	0	0	0	0	0
Meal replacement, liquid RTD, any flavor	331	3	3	0	0	0	0	0
Cottage cheese, creamed, lowfat (2% milk fat)	332	3	3	0	0	0	0	0
Sour cream dip, any flavor	333	3	2	27	46	0	80	0
Beef steak, loin/sirloin, broiled	334	3	0	133	26	104	152	143
Luncheon meat (chicken/turkey)	335	3	1	69	62	0	121	87
Chicken breast, fried, fast-food (w/ skin)	336	2	1	43	61	0	86	43

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Potassium-40

Reporting Limit = 70 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
Chicken thigh, oven-roasted (skin removed)	337	3	0	86	8	80	95	82
Chicken leg, fried, fast-food (w/ skin)	338	3	0	98	33	71	135	89
Catfish, pan-cooked w/ oil	339	2	0	107	28	87	127	107
Tuna, canned in water, drained	340	3	1	55	48	0	87	78
Refried beans, canned	341	3	0	119	11	107	126	125
White beans, dry, boiled	342	3	0	160	46	132	213	136
Sunflower seeds (shelled), roasted, salted	343	3	0	233	4	230	238	231
Pancakes, frozen, heated	344	3	3	0	0	0	0	0
Breakfast tart/toaster pastry	345	3	3	0	0	0	0	0
Macaroni salad, from grocery/deli	346	2	2	0	0	0	0	0
Spaghetti, enriched, boiled	347	3	3	0	0	0	0	0
Apricots, canned in heavy/light syrup	348	3	3	0	0	0	0	0
Fruit juice blend (100% juice), canned/bottled	350	3	3	0	0	0	0	0
Cranberry juice cocktail, canned/bottled	351	3	3	0	0	0	0	0
Orange juice, bottled/carton	352	3	2	25	43	0	75	0
Potato salad, mayonnaise-type, from grocery/deli	353	2	0	80	7	75	84	80
Potato, mashed, prepared from fresh	354	3	1	54	48	0	88	75
Coleslaw, mayonnaise-type, from grocery/deli	355	2	1	39	55	0	77	39
Carrot, baby, raw	356	3	2	24	41	0	71	0
Lettuce, leaf, raw	357	3	1	55	48	0	88	78
Sweet potatoes, canned	358	3	2	27	46	0	80	0
Tomato salsa, bottled	359	3	0	87	8	79	94	87
Beef and vegetable stew, canned	360	3	2	26	44	0	77	0
Lasagna w/ meat, frozen, heated	361	3	0	86	17	71	104	81
Beef w/ vegetables in sauce, from Chinese carry-out	362	3	1	51	44	0	79	75

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Potassium-40

Reporting Limit = 70 Bq/kg

TDS Food Description	TDS	Number		Mean (Bq/kg)	Standard Deviation (Bq/kg)	Minimum (Bq/kg)	Maximum (Bq/kg)	Median (Bq/kg)
	Food No.	Number of Results	Not Detected					
Chicken w/ vegetables in sauce, from Chinese carry-out	363	2	1	40	56	0	80	40
Fried rice, meatless, from Chinese carry-out	364	3	3	0	0	0	0	0
Burrito w/ beef, beans and cheese, from Mexican carry-out	365	3	1	58	51	0	94	80
Chicken filet (broiled) sandwich on bun, fast-food	366	3	1	132	146	0	289	106
Soup, Oriental noodles (ramen noodles), prep w/ water	367	3	3	0	0	0	0	0
Pudding, ready-to-eat, flavor other than chocolate	368	3	3	0	0	0	0	0
Cake, yellow w/ icing	369	2	2	0	0	0	0	0
Granola bar, w/ raisins	370	3	1	56	51	0	99	70
Candy bar, chocolate, nougat, and nuts	371	3	0	95	15	80	110	96
Popcorn, microwave, butter-flavored	372	3	3	0	0	0	0	0
Sweet & sour sauce	373	2	2	0	0	0	0	0
Brown gravy, canned or bottled	374	3	3	0	0	0	0	0
Salad dressing, creamy/buttermilk type, regular	375	3	3	0	0	0	0	0
Salad dressing, creamy/buttermilk type, low-calorie	376	3	3	0	0	0	0	0
Salad dressing, Italian, regular	377	3	3	0	0	0	0	0
Olive oil	378	3	3	0	0	0	0	0
Vegetable oil	379	3	3	0	0	0	0	0
Bottled drinking water (mineral/spring), not carbonated or flavored	380	3	3	0	0	0	0	0
Decaffeinated coffee, from ground	381	2	2	0	0	0	0	0
Decaffeinated tea, from tea bag	382	3	3	0	0	0	0	0

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Other Radionuclides

All Results Below Reporting Limits

TDS Food Description	TDS Number		Bq/kg									
	Food No.	of Results	²²⁶ Ra	²³² Th	²⁴¹ Am	¹⁴⁰ Ba	¹³⁴ Cs	⁶⁰ Co	¹³¹ I	¹⁴⁰ La	¹⁰³ Ru	¹⁰⁶ Ru
Overall:		3522										
whole milk, fluid	1	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
lowfat (2% fat) milk, fluid	2	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
chocolate milk, fluid	3	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
skim milk, fluid	4	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
plain yogurt, lowfat	6	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
chocolate milk shake, fast-food	7	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
evaporated milk, canned	8	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
American, processed cheese	10	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
cottage cheese, 4% milkfat	11	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
cheddar cheese	12	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
ground beef, pan-cooked	13	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
beef chuck roast, baked	14	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
beef steak, loin, pan-cooked	16	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
ham, baked	17	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
pork chop, pan-cooked	18	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
pork sausage, pan-cooked	19	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
pork bacon, pan-cooked	20	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
pork roast, baked	21	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
lamb chop, pan-cooked	22	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
chicken, fried (breast, leg, and thigh)	24	10	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
turkey breast, roasted	26	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
liver, beef, fried	27	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
frankfurters, beef, boiled	28	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
bologna, sliced	29	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
salami, sliced	30	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
tuna, canned in oil	32	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Other Radionuclides

All Results Below Reporting Limits

TDS Food Description	TDS Number		Bq/kg									
	Food No.	of Results	²²⁶ Ra	²³² Th	²⁴¹ Am	¹⁴⁰ Ba	¹³⁴ Cs	⁶⁰ Co	¹³¹ I	¹⁴⁰ La	¹⁰³ Ru	¹⁰⁶ Ru
fish sticks, frozen, heated	34	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
eggs, scrambled	35	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
eggs, fried	36	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
eggs, boiled	37	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
pinto beans, dry, boiled	38	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
pork and beans, canned	39	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
lima beans, immature, frozen, boiled	42	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
green peas, fresh/frozen, boiled	46	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
peanut butter, smooth	47	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
peanuts, dry roasted	48	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
white rice, cooked	50	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
oatmeal, quick (1-3 min), cooked	51	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
wheat cereal, farina, quick (1-3min), cooked	52	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
corngrits, regular, cooked	53	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
corn, fresh/frozen, boiled	54	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Corn, canned	55	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
cream style corn, canned	56	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
popcorn, popped in oil	57	10	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
white bread	58	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
white roll	59	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
cornbread, homemade	60	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
biscuit, from refrigerated dough, baked	61	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
whole wheat bread	62	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
tortilla, flour	63	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
rye bread	64	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
blueberry muffin, commercial	65	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
saltine crackers	66	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Other Radionuclides

All Results Below Reporting Limits

TDS Food Description	TDS Number		Bq/kg									
	Food No.	of Results	²²⁶ Ra	²³² Th	²⁴¹ Am	¹⁴⁰ Ba	¹³⁴ Cs	⁶⁰ Co	¹³¹ I	¹⁴⁰ La	¹⁰³ Ru	¹⁰⁶ Ru
corn chips	67	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
pancake from mix	68	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
egg noodles, boiled	69	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
macaroni, boiled	70	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
corn flakes	71	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
fruit-flavored, sweetened cereal	72	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
shredded wheat cereal	73	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
raisin bran cereal	74	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
crisped rice cereal	75	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
granola cereal	76	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
oat ring cereal	77	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
apple, red, raw	78	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
orange, raw	79	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
banana, raw	80	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
watermelon, raw	81	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
peach, raw	83	10	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
applesauce, bottled	84	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
pear, raw	85	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
strawberries, raw	86	12	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
fruit cocktail, canned in heavy syrup	87	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
grapes, red/green, seedless, raw	88	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
cantaloupe, raw	89	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
plums, raw	91	7	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
grapefruit, raw	92	12	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
pineapple, canned in juice	93	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
sweet cherries, raw	94	5	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
raisins, dried	95	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Other Radionuclides

All Results Below Reporting Limits

TDS Food Description	TDS Number		Bq/kg									
	Food No.	of Results	²²⁶ Ra	²³² Th	²⁴¹ Am	¹⁴⁰ Ba	¹³⁴ Cs	⁶⁰ Co	¹³¹ I	¹⁴⁰ La	¹⁰³ Ru	¹⁰⁶ Ru
prunes, dried	96	10	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
avocado, raw	97	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
orange juice, from frozen concentrate	98	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
apple juice, bottled	99	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
grapefruit juice, from frozen concentrate	100	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
prune juice, bottled	103	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
lemonade, from frozen concentrate	105	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
spinach, fresh/frozen, boiled	107	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
collards, fresh/frozen, boiled	108	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
iceberg lettuce, raw	109	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
cabbage, fresh, boiled	110	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
coleslaw with dressing, homemade	111	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
sauerkraut, canned	112	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
broccoli, fresh/frozen, boiled	113	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
celery, raw	114	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
asparagus, fresh/frozen, boiled	115	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
cauliflower, fresh/frozen, boiled	116	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
tomato, red, raw	117	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
tomato sauce, plain, bottled	119	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
green beans, fresh/frozen, boiled	121	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Green beans, canned	122	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
cucumber, raw	123	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
summer squash, fresh/frozen, boiled	124	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
green pepper, raw	125	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
winter squash, fresh/frozen, baked, mashed	126	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
onion, mature, raw	128	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Beets, canned	131	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Other Radionuclides

All Results Below Reporting Limits

TDS Food Description	TDS Number		Bq/kg									
	Food No.	of Results	²²⁶ Ra	²³² Th	²⁴¹ Am	¹⁴⁰ Ba	¹³⁴ Cs	⁶⁰ Co	¹³¹ I	¹⁴⁰ La	¹⁰³ Ru	¹⁰⁶ Ru
radish, raw	132	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
French fries, frozen, heated	134	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
mashed potatoes, from flakes	135	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
white potato, boiled without skin	136	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
white potato, baked with skin	137	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
potato chips	138	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
scalloped potatoes, homemade	139	10	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
sweet potato, fresh, baked	140	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
spaghetti with tomato sauce and meatballs, homemade	142	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
beef stew with potatoes, carrots, and onion, homemade	143	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Chili con carne w/ beans, canned	145	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
macaroni and cheese, from box mix	146	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
quarter-pound hamburger on bun, fast-food	147	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
meatloaf, homemade	148	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
spaghetti with tomato sauce, canned	149	10	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
lasagna with meat, homemade	151	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
chicken potpie, frozen, heated	152	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
chicken noodle soup, canned, condensed, prepared with water	155	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
tomato soup, canned, condensed, prepared with water	156	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
vegetable beef soup, canned, condensed, prepared with water	157	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
white sauce, homemade	160	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
dill cucumber pickles	161	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Other Radionuclides

All Results Below Reporting Limits

TDS Food Description	TDS Number		Bq/kg									
	Food No.	of Results	²²⁶ Ra	²³² Th	²⁴¹ Am	¹⁴⁰ Ba	¹³⁴ Cs	⁶⁰ Co	¹³¹ I	¹⁴⁰ La	¹⁰³ Ru	¹⁰⁶ Ru
margarine, stick, regular (salted)	162	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
butter, regular (salted)	164	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
mayonnaise, regular, bottled	166	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
half & half cream	167	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
cream substitute, frozen	168	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
white sugar, granulated	169	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
pancake syrup	170	12	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
honey	172	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
tomato catsup	173	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
chocolate pudding, from instant mix	175	10	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
vanilla flavored light ice cream	177	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
chocolate cake with chocolate icing, commercial	178	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
yellow cake with white icing, prepared from cake and icing mixes	179	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
sweet roll/Danish, commercial	182	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
chocolate chip cookies, commercial	183	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
sandwich cookies with creme filling, commercial	184	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
apple pie, fresh/frozen, commercial	185	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
pumpkin pie, fresh/frozen, commercial	186	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
milk chocolate candy bar, plain	187	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
caramel candy	188	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
gelatin dessert, any flavor	190	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
cola carbonated beverage	191	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
fruit drink, from powder	193	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
low-calorie cola carbonated beverage	194	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Other Radionuclides

All Results Below Reporting Limits

TDS Food Description	TDS Number		Bq/kg									
	Food No.	of Results	²²⁶ Ra	²³² Th	²⁴¹ Am	¹⁴⁰ Ba	¹³⁴ Cs	⁶⁰ Co	¹³¹ I	¹⁴⁰ La	¹⁰³ Ru	¹⁰⁶ Ru
coffee, decaffeinated, from instant	196	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
tea, from tea bag	197	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
beer	198	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
dry table wine	199	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
whiskey	200	10	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
tap water	201	9	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
milk-based infant formula, high iron, ready-to-feed	202	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
milk-based infant formula, low iron, ready-to-feed	203	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
beef, strained/junior	205	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
chicken, strained/junior, with/without broth or gravy	207	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
chicken/turkey with vegetables, high/lean meat, strained/junior	208	1	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
beef with vegetables, high/lean meat, strained/junior	209	1	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
ham with vegetables, high/lean meat, strained/junior	210	1	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
vegetables and beef, strained/junior	211	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
vegetables and chicken, strained/junior	212	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
vegetables and ham, strained/junior	213	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
chicken noodle dinner, strained/junior	214	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
macaroni, tomatoes, and beef, strained/junior	215	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
turkey and rice, strained/junior	216	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
carrots, strained/junior	218	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
green beans, strained/junior	219	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Other Radionuclides

All Results Below Reporting Limits

TDS Food Description	TDS Number		Bq/kg									
	Food No.	of Results	²²⁶ Ra	²³² Th	²⁴¹ Am	¹⁴⁰ Ba	¹³⁴ Cs	⁶⁰ Co	¹³¹ I	¹⁴⁰ La	¹⁰³ Ru	¹⁰⁶ Ru
mixed vegetables, strained/junior	220	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
sweet potatoes, strained/junior	221	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
creamed corn, strained/junior	222	10	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
peas, strained/junior	223	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
creamed spinach, strained/junior	224	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
applesauce, strained/junior	225	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
peaches, strained/junior	226	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
pears, strained/junior	227	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
apple juice, strained	230	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
orange juice, strained	231	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
custard pudding, strained/junior	232	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
fruit dessert/pudding, strained/junior	233	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
fruit-flavored yogurt, lowfat (fruit mixed in)	235	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Swiss cheese	236	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
cream cheese	237	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
veal cutlet, pan-cooked	238	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
ham luncheon meat, sliced	239	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
chicken breast, roasted	240	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
chicken nuggets, fast-food	241	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
chicken, fried (breast, leg, and thigh), fast-food	242	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
haddock, pan-cooked	243	5	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
shrimp, boiled	244	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
kidney beans, dry, boiled	245	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
peas, mature, dry, boiled	246	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
mixed nuts, no peanuts, dry roasted	247	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
cracked wheat bread	248	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
bagel, plain	249	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Other Radionuclides

All Results Below Reporting Limits

TDS Food Description	TDS Number		Bq/kg									
	Food No.	of Results	²²⁶ Ra	²³² Th	²⁴¹ Am	¹⁴⁰ Ba	¹³⁴ Cs	⁶⁰ Co	¹³¹ I	¹⁴⁰ La	¹⁰³ Ru	¹⁰⁶ Ru
English muffin, plain, toasted	250	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
graham crackers	251	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
butter-type crackers	252	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
apricot, raw	253	5	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
peach, canned in light/medium syrup	254	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
pear, canned in light syrup	255	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
pineapple juice, from frozen concentrate	256	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
grape juice, from frozen concentrate	257	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
French fries, fast-food	258	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
carrot, fresh, boiled	259	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
tomato, stewed, canned	260	10	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
tomato juice, bottled	261	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
beets, fresh/frozen, boiled	262	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Brussels sprouts, fresh/frozen, boiled	263	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
mushrooms, raw	264	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
eggplant, fresh, boiled	265	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
turnip, fresh/frozen, boiled	266	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
okra, fresh/frozen, boiled	267	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
mixed vegetables, frozen, boiled	268	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
beef stroganoff, homemade	269	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
green peppers stuffed with beef and rice, homemade	270	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
chili con carne with beans, homemade	271	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
tuna noodle casserole, homemade	272	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Salisbury steak with gravy, potatoes, and vegetable, frozen meal, heated	273	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Other Radionuclides

All Results Below Reporting Limits

TDS Food Description	TDS Number		Bq/kg									
	Food No.	of Results	²²⁶ Ra	²³² Th	²⁴¹ Am	¹⁴⁰ Ba	¹³⁴ Cs	⁶⁰ Co	¹³¹ I	¹⁴⁰ La	¹⁰³ Ru	¹⁰⁶ Ru
turkey with gravy, dressing, potatoes, and vegetable, frozen meal, heated	274	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
quarter-pound cheeseburger on bun, fast-food	275	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
fish sandwich on bun, fast-food	276	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
frankfurter on bun, fast-food	277	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
egg, cheese, and ham on English muffin, fast-food	278	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
taco/tostada, from Mexican carry-out	279	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
cheese pizza, regular crust, from pizza carry-out	280	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
cheese and pepperoni pizza, regular crust, from pizza carry-out	281	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
beef chow mein, from Chinese carry-out	282	10	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
bean with bacon/pork soup, canned, condensed, prepared with water	283	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
mushroom soup, canned, condensed, prepared with whole milk	284	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
clam chowder, New England, canned, condensed, prepared with whole milk	285	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
vanilla ice cream	286	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
fruit flavor sherbet	287	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
popsicle, any flavor	288	12	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
chocolate snack cake with chocolate icing	289	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
cake doughnuts with icing, any flavor, from doughnut store	290	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
brownies, commercial	291	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
sugar cookies, commercial	292	12	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Other Radionuclides

All Results Below Reporting Limits

TDS Food Description	TDS Number		Bq/kg									
	Food No.	of Results	²²⁶ Ra	²³² Th	²⁴¹ Am	¹⁴⁰ Ba	¹³⁴ Cs	⁶⁰ Co	¹³¹ I	¹⁴⁰ La	¹⁰³ Ru	¹⁰⁶ Ru
suckers, any flavor	293	12	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
pretzels, hard, salted, any shape	294	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
chocolate syrup dessert topping	295	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
jelly, any flavor	296	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
sweet cucumber pickles	297	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
yellow mustard	298	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
black olives	299	12	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
sour cream	300	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
brown gravy, homemade	301	10	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
French salad dressing, regular	302	10	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Italian salad dressing, low-calorie	303	11	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
olive/safflower oil	304	10	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
coffee, from ground	305	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
fruit-flavored carbonated beverage	306	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
fruit drink, canned	307	13	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
martini	308	8	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
soy-based infant formula, ready-to-feed	309	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
egg yolk, strained/junior	310	4	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
rice infant cereal, instant, prepared with whole milk	311	10	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
rice cereal, strained/junior	312	6	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
bananas with tapioca, strained/junior	313	14	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
beets, strained/junior	314	5	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
split peas with vegetables and ham/bacon, strained/junior	316	6	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
teething biscuits	317	12	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
salmon, steaks or filets, fresh or frozen, baked	318	8	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Other Radionuclides

All Results Below Reporting Limits

TDS Food Description	TDS Number		Bq/kg									
	Food No.	of Results	²²⁶ Ra	²³² Th	²⁴¹ Am	¹⁴⁰ Ba	¹³⁴ Cs	⁶⁰ Co	¹³¹ I	¹⁴⁰ La	¹⁰³ Ru	¹⁰⁶ Ru
rice cereal with apple, strained/junior	319	4	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
squash, strained/junior	320	7	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
BF, cereal, oatmeal, dry, prep w/ water	323	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
BF, cereal, rice, dry, prep w/ water	324	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
BF, cereal, rice w/apples, dry, prep w/ water	325	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
BF, veal and broth/gravy	326	2	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
BF, lamb and broth/gravy	327	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
BF, turkey and broth/gravy	328	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Meal replacement, liquid RTD, any flavor	331	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Cottage cheese, creamed, lowfat (2% milk fat)	332	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Sour cream dip, any flavor	333	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Beef steak, loin/sirloin, broiled	334	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Luncheon meat (chicken/turkey)	335	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Chicken breast, fried, fast-food (w/ skin)	336	2	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Chicken thigh, oven-roasted (skin removed)	337	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Chicken leg, fried, fast-food (w/ skin)	338	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Catfish, pan-cooked w/ oil	339	2	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Tuna, canned in water, drained	340	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Refried beans, canned	341	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
White beans, dry, boiled	342	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Sunflower seeds (shelled), roasted, salted	343	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Pancakes, frozen, heated	344	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Breakfast tart/toaster pastry	345	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Macaroni salad, from grocery/deli	346	2	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Spaghetti, enriched, boiled	347	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Apricots, canned in heavy/light syrup	348	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Fruit juice blend (100% juice), canned/bottled	350	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Other Radionuclides

All Results Below Reporting Limits

TDS Food Description	TDS Number		Bq/kg									
	Food No.	of Results	²²⁶ Ra	²³² Th	²⁴¹ Am	¹⁴⁰ Ba	¹³⁴ Cs	⁶⁰ Co	¹³¹ I	¹⁴⁰ La	¹⁰³ Ru	¹⁰⁶ Ru
Cranberry juice cocktail, canned/bottled	351	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Orange juice, bottled/carton	352	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Potato salad, mayonnaise-type, from grocery/deli	353	2	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Potato, mashed, prepared from fresh	354	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Coleslaw, mayonnaise-type, from grocery/deli	355	2	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Carrot, baby, raw	356	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Lettuce, leaf, raw	357	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Sweet potatoes, canned	358	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Tomato salsa, bottled	359	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Beef and vegetable stew, canned	360	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Lasagna w/ meat, frozen, heated	361	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Beef w/ vegetables in sauce, from Chinese carry-out	362	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Chicken w/ vegetables in sauce, from Chinese carry-out	363	2	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Fried rice, meatless, from Chinese carry-out	364	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Burrito w/ beef, beans and cheese, from Mexican carry-out	365	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Chicken filet (broiled) sandwich on bun, fast-food	366	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Soup, Oriental noodles (ramen noodles), prep w/ water	367	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Pudding, ready-to-eat, flavor other than chocolate	368	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Cake, yellow w/ icing	369	2	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Granola bar, w/ raisins	370	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100

US Food and Drug Administration — Total Diet Study — Market Baskets 92-1 through 05-2

Summary of Results for Other Radionuclides

All Results Below Reporting Limits

TDS Food Description	TDS Number		Bq/kg									
	Food No.	of Results	²²⁶ Ra	²³² Th	²⁴¹ Am	¹⁴⁰ Ba	¹³⁴ Cs	⁶⁰ Co	¹³¹ I	¹⁴⁰ La	¹⁰³ Ru	¹⁰⁶ Ru
Candy bar, chocolate, nougat, and nuts	371	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Popcorn, microwave, butter-flavored	372	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Sweet & sour sauce	373	2	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Brown gravy, canned or bottled	374	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Salad dressing, creamy/buttermilk type, regular	375	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Salad dressing, creamy/buttermilk type, low-calorie	376	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Salad dressing, Italian, regular	377	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Olive oil	378	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Vegetable oil	379	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Bottled drinking water (mineral/spring), not carbonated or flavored	380	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Decaffeinated coffee, from ground	381	2	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100
Decaffeinated tea, from tea bag	382	3	< 100	< 50	< 200	< 15	< 5	< 8	< 3	< 10	< 40	< 100