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Part VI: Uncertainty Analysis  
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Probabilistic Input

0Number of Sample Runs: 300

Number	Name	Distribution	Parameters	
1	DCACTC (1)	LOGNORMAL-N	6.72	3.22
2	DCACTU1 (1)	LOGNORMAL-N	6.72	3.22
3	DCACTS (1)	LOGNORMAL-N	6.72	3.22
4	DCACTC (2)	LOGNORMAL-N	7.28	3.15
5	DCACTU1 (2)	LOGNORMAL-N	7.28	3.15
6	DCACTS (2)	LOGNORMAL-N	7.28	3.15
7	DCACTC (3)	LOGNORMAL-N	2.84	2.25
8	DCACTU1 (3)	LOGNORMAL-N	2.84	2.25
9	DCACTS (3)	LOGNORMAL-N	2.87	2.25
10	DCACTC (4)	LOGNORMAL-N	5.94	3.22
11	DCACTU1 (4)	LOGNORMAL-N	5.94	3.22
12	DCACTS (4)	LOGNORMAL-N	5.94	3.22
13	DCACTC (5)	LOGNORMAL-N	7.78	2.76
14	DCACTU1 (5)	LOGNORMAL-N	7.78	2.76
15	DCACTS (5)	LOGNORMAL-N	7.78	2.76
16	DCACTC (6)	LOGNORMAL-N	6.86	1.89
17	DCACTU1 (6)	LOGNORMAL-N	6.86	1.89
18	DCACTS (6)	LOGNORMAL-N	6.86	1.89
19	DCACTC (7)	LOGNORMAL-N	8.17	1.7
20	DCACTU1 (7)	LOGNORMAL-N	8.17	1.7
21	DCACTS (7)	LOGNORMAL-N	8.17	1.7
22	DCACTC (8)	LOGNORMAL-N	8.17	1.7
23	DCACTU1 (8)	LOGNORMAL-N	8.17	1.7
24	DCACTS (8)	LOGNORMAL-N	8.17	1.7
25	DCACTS (9)	LOGNORMAL-N	- .67	3.16
26	DCACTC (10)	LOGNORMAL-N	8.68	3.62
27	DCACTU1 (10)	LOGNORMAL-N	8.68	3.62
28	DCACTS (10)	LOGNORMAL-N	8.68	3.62
29	DCACTC (11)	LOGNORMAL-N	8.68	3.62
30	DCACTU1 (11)	LOGNORMAL-N	8.68	3.62
31	DCACTS (11)	LOGNORMAL-N	8.68	3.62
32	DCACTC (12)	LOGNORMAL-N	8.68	3.62
33	DCACTU1 (12)	LOGNORMAL-N	8.68	3.62
34	DCACTS (12)	LOGNORMAL-N	8.68	3.62
35	DCACTC (13)	LOGNORMAL-N	8.68	3.62
36	DCACTU1 (13)	LOGNORMAL-N	8.68	3.62
37	DCACTS (13)	LOGNORMAL-N	8.68	3.62
38	DCACTS (14)	LOGNORMAL-N	4.84	3.13
39	DCACTS (15)	LOGNORMAL-N	4.84	3.13
40	DCACTS (16)	LOGNORMAL-N	4.84	3.13
41	DCACTS (17)	LOGNORMAL-N	4.84	3.13
42	BRTF (89, 1)	LOGNORMAL-N	-6.91	1.098612
43	BRTF (89, 2)	LOGNORMAL-N	-10.82	1.029619
44	BRTF (89, 3)	LOGNORMAL-N	-13.12	.91629
45	BBIO (89, 1)	LOGNORMAL-N	2.7	1.1
46	BRTF (95, 1)	LOGNORMAL-N	-6.91	.916291
47	BRTF (95, 2)	LOGNORMAL-N	-9.9	.2
48	BRTF (95, 3)	LOGNORMAL-N	-13.12	.69315

Probabilistic Input (cont.)

Number	Name	Distribution	Parameters							
49	BBIO (95,1)	LOGNORMAL-N	3.4	1.1						
50	BRTF (82,1)	LOGNORMAL-N	-5.52	.916291						
51	BRTF (82,2)	LOGNORMAL-N	-7.13	.693147						
52	BRTF (82,3)	LOGNORMAL-N	-8.11	.91629						
53	BBIO (82,1)	LOGNORMAL-N	5.7	1.1						
54	BRTF (93,1)	LOGNORMAL-N	-3.91	.916291						
55	BRTF (93,2)	LOGNORMAL-N	-6.91	.693147						
56	BRTF (93,3)	LOGNORMAL-N	-11.51	.69315						
57	BBIO (93,1)	LOGNORMAL-N	3.4	1.1						
58	BRTF (94,1)	LOGNORMAL-N	-6.91	.916291						
59	BRTF (94,2)	LOGNORMAL-N	-9.21	.2						
60	BRTF (94,3)	LOGNORMAL-N	-13.82	.47						
61	BBIO (94,1)	LOGNORMAL-N	3.4	1.1						
62	BRTF (91,1)	LOGNORMAL-N	-4.61	1.098612						
63	BRTF (91,2)	LOGNORMAL-N	-12.21	1.029619						
64	BRTF (91,3)	LOGNORMAL-N	-12.21	.91629						
65	BBIO (91,1)	LOGNORMAL-N	2.3	1.1						
66	BRTF (88,1)	LOGNORMAL-N	-3.22	.916291						
67	BRTF (88,2)	LOGNORMAL-N	-6.91	.693147						
68	BRTF (88,3)	LOGNORMAL-N	-6.91	.47						
69	BBIO (88,1)	LOGNORMAL-N	3.9	1.1						
70	BRTF (43,1)	LOGNORMAL-N	1.61	.916291						
71	BRTF (43,2)	LOGNORMAL-N	-9.21	.693147						
72	BRTF (43,3)	LOGNORMAL-N	-6.91	.69315						
73	BBIO (43,1)	LOGNORMAL-N	3	1.1						
74	BRTF (90,1)	LOGNORMAL-N	-6.91	.916291						
75	BRTF (90,2)	LOGNORMAL-N	-9.21	1.029619						
76	BRTF (90,3)	LOGNORMAL-N	-12.21	.91629						
77	BBIO (90,1)	LOGNORMAL-N	4.6	1.1						
78	BRTF (92,1)	LOGNORMAL-N	-6.21	.916291						
79	BRTF (92,2)	LOGNORMAL-N	-7.13	.693147						
80	BRTF (92,3)	LOGNORMAL-N	-7.82	.58779						
81	BBIO (92,1)	LOGNORMAL-N	2.3	1.1						
82	UW	UNIFORM	250	2500						
83	MLINH	CONTINUOUS LINEAR	8	0	0	.000008	.0151	.000016	.1365	.00003
.8119	.00004	.9495	.00006	.9937	.000076	.9983	.0001	1		
84	SHF3	UNIFORM	.15	.95						
85	DM	TRIANGULAR	0	.15	.6					
86	DROOT	UNIFORM	.3	4						
87	YV (1)	TRUNCATED LOGNORMAL-N	.56	.48	.001	.999				
88	WLAM	TRIANGULAR	5.1	18	84					
89	RWET (2)	TRIANGULAR	.06	.67	.95					

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

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ONuclide (j)	Peak Time	Peak Dose	Probabilistic Total Dose Summary								
			t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241											
Min	0.00E+00	9.38E-04	9.38E-04	9.37E-04	9.34E-04	9.24E-04	8.95E-04	9.53E-05	5.59E-05	1.09E-06	
Max	1.00E+03	2.00E+00	3.28E-02	3.27E-02	3.26E-02	3.22E-02	3.10E-02	7.92E-01	1.82E+00	2.33E-01	
Avg	1.48E+01	1.75E-02	4.39E-03	4.38E-03	4.36E-03	4.30E-03	4.14E-03	6.35E-03	1.42E-02	2.41E-03	
Std	9.79E+01	1.55E-01	3.95E-03	3.94E-03	3.93E-03	3.88E-03	3.77E-03	4.55E-02	1.39E-01	1.53E-02	
Np-237											
Min	0.00E+00	1.63E-02	1.63E-02	1.57E-02	1.45E-02	1.11E-02	5.07E-03	3.31E-04	1.41E-07	1.64E-07	
Max	1.00E+03	1.06E+02	1.49E+00	1.48E+00	1.48E+00	4.40E+01	5.93E+01	2.69E+01	2.56E+01	2.34E+01	
Avg	3.88E+02	4.19E+00	1.91E-01	1.90E-01	1.89E-01	3.56E-01	7.20E-01	1.07E+00	1.10E+00	7.93E-01	
Std	4.02E+02	1.17E+01	1.92E-01	1.91E-01	1.89E-01	2.56E+00	4.80E+00	3.44E+00	2.42E+00	1.68E+00	
Pu-239											
Min	0.00E+00	1.66E-04	1.66E-04	1.66E-04	1.66E-04	1.66E-04	1.65E-04	1.63E-04	1.56E-04	8.80E-05	
Max	1.00E+03	5.36E-03	5.36E-03	5.36E-03	5.36E-03	5.36E-03	5.35E-03	5.32E-03	5.25E-03	4.98E-03	
Avg	6.00E+01	8.67E-04	8.37E-04	8.37E-04	8.37E-04	8.37E-04	8.35E-04	8.29E-04	8.14E-04	8.01E-04	
Std	2.37E+02	7.54E-04	7.36E-04	7.36E-04	7.36E-04	7.35E-04	7.34E-04	7.29E-04	7.18E-04	7.16E-04	
Ra-228											
Min	0.00E+00	1.79E+01	1.52E+01	1.72E+01	1.77E+01	9.70E+00	9.00E-01	1.95E-04	6.59E-15	0.00E+00	
Max	2.24E+00	2.75E+02	2.75E+02	2.47E+02	1.99E+02	8.78E+01	7.92E+00	1.71E-03	5.80E-14	0.00E+00	
Avg	6.02E-01	4.89E+01	4.83E+01	4.67E+01	4.10E+01	2.00E+01	1.85E+00	3.99E-04	1.35E-14	0.00E+00	
Std	7.30E-01	3.74E+01	3.78E+01	3.35E+01	2.63E+01	1.13E+01	1.02E+00	2.20E-04	7.41E-15	0.00E+00	
Tc-99											
Min	0.00E+00	6.08E-01	6.08E-01	6.08E-01	6.08E-01	6.07E-01	6.06E-01	6.00E-01	5.85E-01	5.35E-01	
Max	0.00E+00	3.01E+02	3.01E+02	3.01E+02	3.01E+02	3.01E+02	3.00E+02	2.97E+02	2.90E+02	2.65E+02	
Avg	0.00E+00	1.98E+01	1.98E+01	1.98E+01	1.98E+01	1.98E+01	1.97E+01	1.95E+01	1.91E+01	1.74E+01	
Std	0.00E+00	2.47E+01	2.47E+01	2.47E+01	2.47E+01	2.47E+01	2.46E+01	2.44E+01	2.38E+01	2.17E+01	
Th-228											
Min	0.00E+00	1.32E+01	1.32E+01	8.89E+00	4.04E+00	2.55E-01	9.53E-05	9.60E-17	0.00E+00	0.00E+00	
Max	0.00E+00	1.59E+01	1.59E+01	1.11E+01	5.37E+00	4.25E-01	4.04E-04	1.49E-14	0.00E+00	0.00E+00	
Avg	0.00E+00	1.36E+01	1.36E+01	9.49E+00	4.59E+00	3.63E-01	2.58E-04	2.50E-15	0.00E+00	0.00E+00	
Std	0.00E+00	4.25E-01	4.25E-01	2.98E-01	1.48E-01	1.40E-02	1.77E-05	7.62E-16	0.00E+00	0.00E+00	
Th-232											
Min	1.43E+01	2.51E+01	1.37E+00	3.34E+00	7.61E+00	1.94E+01	1.82E+01	1.16E+00	3.38E-04	1.41E-16	
Max	1.00E+03	3.05E+02	1.88E+01	4.82E+01	1.02E+02	2.17E+02	2.97E+02	3.05E+02	3.04E+02	3.03E+02	
Avg	1.12E+02	6.64E+01	4.89E+00	1.06E+01	2.12E+01	4.63E+01	6.46E+01	6.57E+01	6.45E+01	6.25E+01	
Std	1.38E+02	4.01E+01	2.75E+00	6.65E+00	1.37E+01	2.87E+01	3.91E+01	4.02E+01	4.04E+01	4.09E+01	
U-234											
Min	0.00E+00	1.55E+01	9.62E+00	9.61E+00	9.61E+00	9.61E+00	9.60E+00	9.64E+00	1.02E+01	1.55E+01	
Max	1.00E+03	2.02E+02	2.02E+02	2.02E+02	2.02E+02	2.02E+02	2.01E+02	2.00E+02	1.98E+02	1.97E+02	
Avg	9.40E+02	5.00E+01	4.29E+01	4.29E+01	4.29E+01	4.29E+01	4.29E+01	4.27E+01	4.30E+01	4.98E+01	
Std	2.37E+02	2.86E+01	2.96E+01	2.96E+01	2.96E+01	2.96E+01	2.96E+01	2.94E+01	2.90E+01	2.81E+01	
U-235											
Min	2.52E+01	1.41E+00	1.18E+00	1.18E+00	1.18E+00	1.19E+00	1.20E+00	1.23E+00	1.30E+00	1.35E+00	
Max	1.00E+03	8.08E+01	3.25E+00	3.25E+00	3.25E+00	3.25E+00	3.60E+00	1.72E+01	7.99E+01	7.68E+01	
Avg	9.61E+02	4.34E+00	1.54E+00	1.54E+00	1.54E+00	1.55E+00	1.59E+00	1.76E+00	2.49E+00	4.32E+00	
Std	1.59E+02	7.10E+00	3.19E-01	3.19E-01	3.19E-01	3.20E-01	3.43E-01	9.78E-01	5.07E+00	6.94E+00	
U-238											
Min	0.00E+00	8.03E-01	8.03E-01	8.03E-01	8.03E-01	8.02E-01	8.01E-01	7.97E-01	7.85E-01	7.46E-01	
Max	0.00E+00	6.05E+00	6.05E+00	6.05E+00	6.04E+00	6.04E+00	6.03E+00	6.00E+00	5.92E+00	5.62E+00	
Avg	0.00E+00	1.71E+00	1.71E+00	1.71E+00	1.71E+00	1.71E+00	1.71E+00	1.70E+00	1.67E+00	1.59E+00	
Std	0.00E+00	8.09E-01	8.09E-01	8.09E-01	8.09E-01	8.08E-01	8.07E-01	8.03E-01	7.92E-01	7.53E-01	

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

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0 Probabilistic Total Dose Summary (cont.)

Nuclide (j)	Peak Time	Peak Dose	DOSE(j,t), mrem/yr								
			t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03	
-ALL											
Min	0.00E+00	5.64E+01	5.64E+01	5.64E+01	5.64E+01	5.63E+01	5.55E+01	5.28E+01	4.64E+01	3.54E+01	
Max	1.00E+03	4.46E+02	4.02E+02	4.02E+02	4.02E+02	4.02E+02	4.01E+02	3.98E+02	3.90E+02	4.46E+02	
Avg	6.70E+02	1.42E+02	1.33E+02	1.33E+02	1.33E+02	1.33E+02	1.33E+02	1.33E+02	1.32E+02	1.36E+02	
Std	4.44E+02	5.84E+01	5.50E+01	5.50E+01	5.50E+01	5.50E+01	5.51E+01	5.52E+01	5.56E+01	5.81E+01	
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-ALL is total dose summed for all nuclides.

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

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Probabilistic Risk Summary									
ONuclide	RISK(j,t)								
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-----									
Am-241									
Min		3.08E-09	3.07E-09	3.06E-09	3.03E-09	1.76E-09	1.39E-10	3.36E-11	1.71E-12
Max		3.83E-08	3.83E-08	3.81E-08	3.76E-08	3.62E-08	8.16E-07	1.88E-06	2.42E-07
Avg		6.88E-09	6.87E-09	6.84E-09	6.74E-09	6.49E-09	8.48E-09	1.57E-08	2.83E-09
Std		4.36E-09	4.36E-09	4.34E-09	4.29E-09	4.18E-09	4.69E-08	1.40E-07	1.56E-08
Np-237									
Min		1.26E-07	1.21E-07	1.12E-07	8.54E-08	3.48E-08	9.02E-10	1.18E-12	2.11E-12
Max		1.03E-06	1.03E-06	1.02E-06	2.00E-05	3.08E-05	1.31E-05	1.48E-05	1.29E-05
Avg		2.33E-07	2.32E-07	2.31E-07	2.92E-07	4.91E-07	6.57E-07	6.64E-07	4.82E-07
Std		1.18E-07	1.17E-07	1.16E-07	1.14E-06	2.46E-06	1.75E-06	1.32E-06	9.15E-07
Pu-239									
Min		2.58E-10	2.58E-10	2.58E-10	2.57E-10	2.56E-10	2.53E-10	2.43E-10	1.38E-10
Max		7.93E-09	7.93E-09	7.93E-09	7.92E-09	7.91E-09	7.87E-09	7.76E-09	7.37E-09
Avg		1.26E-09	1.26E-09	1.26E-09	1.26E-09	1.26E-09	1.25E-09	1.22E-09	1.20E-09
Std		1.09E-09	1.09E-09	1.09E-09	1.08E-09	1.08E-09	1.08E-09	1.06E-09	1.04E-09
Ra-228									
Min		3.37E-04	4.02E-04	4.29E-04	2.44E-04	2.27E-05	4.91E-09	1.66E-19	0.00E+00
Max		8.50E-03	7.66E-03	6.13E-03	2.70E-03	2.44E-04	5.27E-08	1.78E-18	0.00E+00
Avg		1.38E-03	1.33E-03	1.16E-03	5.63E-04	5.18E-05	1.12E-08	3.78E-19	0.00E+00
Std		1.19E-03	1.06E-03	8.31E-04	3.57E-04	3.20E-05	6.93E-09	2.34E-19	0.00E+00
Tc-99									
Min		4.99E-05	4.99E-05	4.99E-05	4.99E-05	4.97E-05	4.93E-05	4.81E-05	4.40E-05
Max		2.47E-02	2.47E-02	2.47E-02	2.47E-02	2.46E-02	2.44E-02	2.38E-02	2.18E-02
Avg		1.63E-03	1.63E-03	1.63E-03	1.63E-03	1.62E-03	1.61E-03	1.57E-03	1.43E-03
Std		2.03E-03	2.03E-03	2.03E-03	2.03E-03	2.02E-03	2.00E-03	1.95E-03	1.79E-03
Th-228									
Min		3.59E-04	2.44E-04	1.11E-04	7.01E-06	2.62E-09	2.64E-21	0.00E+00	0.00E+00
Max		4.10E-04	2.85E-04	1.38E-04	1.09E-05	9.05E-09	2.71E-19	0.00E+00	0.00E+00
Avg		3.67E-04	2.55E-04	1.24E-04	9.76E-06	6.93E-09	6.68E-20	0.00E+00	0.00E+00
Std		7.93E-06	5.56E-06	2.83E-06	2.98E-07	4.04E-10	1.36E-20	0.00E+00	0.00E+00
Th-232									
Min		6.59E-07	4.53E-05	1.47E-04	4.37E-04	4.65E-04	2.99E-05	8.70E-09	3.64E-21
Max		1.65E-05	9.40E-04	2.60E-03	6.14E-03	8.61E-03	8.85E-03	8.83E-03	8.78E-03
Avg		3.05E-06	1.62E-04	4.62E-04	1.17E-03	1.68E-03	1.72E-03	1.69E-03	1.63E-03
Std		2.50E-06	1.30E-04	3.56E-04	8.30E-04	1.16E-03	1.19E-03	1.19E-03	1.20E-03
U-234									
Min		9.63E-05	9.63E-05	9.63E-05	9.62E-05	9.62E-05	9.69E-05	1.06E-04	1.88E-04
Max		2.04E-03	2.04E-03	2.04E-03	2.04E-03	2.04E-03	2.03E-03	2.01E-03	2.04E-03
Avg		4.33E-04	4.33E-04	4.33E-04	4.32E-04	4.32E-04	4.31E-04	4.37E-04	5.47E-04
Std		3.00E-04	3.00E-04	3.00E-04	3.00E-04	2.99E-04	2.98E-04	2.93E-04	2.87E-04
U-235									
Min		2.43E-05	2.43E-05	2.43E-05	2.43E-05	2.43E-05	2.43E-05	2.44E-05	2.36E-05
Max		4.69E-05	4.69E-05	4.69E-05	4.69E-05	4.68E-05	4.67E-05	7.08E-05	8.74E-05
Avg		2.82E-05	2.82E-05	2.82E-05	2.82E-05	2.82E-05	2.82E-05	2.86E-05	2.94E-05
Std		3.49E-06	3.49E-06	3.49E-06	3.49E-06	3.49E-06	3.57E-06	4.58E-06	6.37E-06
U-238									
Min		1.56E-05	1.56E-05	1.56E-05	1.56E-05	1.56E-05	1.55E-05	1.53E-05	1.45E-05
Max		8.61E-05	8.61E-05	8.61E-05	8.61E-05	8.59E-05	8.55E-05	8.43E-05	8.00E-05
Avg		2.78E-05	2.78E-05	2.78E-05	2.78E-05	2.77E-05	2.76E-05	2.72E-05	2.58E-05
Std		1.09E-05	1.09E-05	1.09E-05	1.09E-05	1.09E-05	1.08E-05	1.07E-05	1.01E-05

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Risk Summary (cont.)

Nuclide (j)	RISK(j,t)								
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03	
-ALL									
Min	1.07E-03	1.06E-03	1.05E-03	1.04E-03	1.04E-03	1.04E-03	1.05E-03	8.85E-04	
Max	2.63E-02	2.63E-02	2.63E-02	2.62E-02	2.62E-02	2.60E-02	2.53E-02	2.33E-02	
Avg	3.86E-03	3.86E-03	3.86E-03	3.86E-03	3.85E-03	3.81E-03	3.75E-03	3.66E-03	
Std	2.33E-03	2.33E-03	2.33E-03	2.33E-03	2.32E-03	2.31E-03	2.27E-03	2.18E-03	
=====	=====	=====	=====	=====	=====	=====	=====	=====	

-ALL is total risk summed for all nuclides.

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Ground External

ONuclide (j)	t=	DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-----									
Am-241									
Min		1.08E-04	1.03E-04	9.32E-05	6.69E-05	2.59E-05	9.51E-07	4.31E-09	4.12E-11
Max		1.10E-04	1.10E-04	1.09E-04	1.08E-04	1.05E-04	9.38E-05	6.82E-05	2.26E-05
Avg		1.10E-04	1.10E-04	1.09E-04	1.08E-04	1.03E-04	9.09E-05	6.41E-05	1.99E-05
Std		1.98E-07	5.83E-07	1.31E-06	3.41E-06	7.03E-06	1.08E-05	1.16E-05	5.33E-06
Np-237									
Min		5.33E-03	5.06E-03	4.56E-03	3.16E-03	1.11E-03	2.89E-05	1.87E-08	5.43E-08
Max		5.47E-03	5.47E-03	5.47E-03	5.47E-03	5.47E-03	5.47E-03	5.47E-03	5.46E-03
Avg		5.46E-03	5.44E-03	5.40E-03	5.27E-03	4.97E-03	4.36E-03	3.55E-03	2.53E-03
Std		2.20E-05	6.48E-05	1.46E-04	3.90E-04	8.51E-04	1.48E-03	1.90E-03	2.06E-03
Pu-239									
Min		1.47E-07	1.47E-07	1.46E-07	1.44E-07	1.37E-07	1.14E-07	6.89E-08	1.18E-08
Max		1.47E-07	1.47E-07	1.47E-07	1.47E-07	1.47E-07	1.47E-07	1.46E-07	1.44E-07
Avg		1.47E-07	1.47E-07	1.47E-07	1.47E-07	1.47E-07	1.46E-07	1.43E-07	1.36E-07
Std		1.65E-11	4.96E-11	1.16E-10	3.44E-10	9.83E-10	3.05E-09	7.79E-09	1.72E-08
Ra-228									
Min		1.10E+01	1.34E+01	1.44E+01	8.09E+00	7.55E-01	1.63E-04	5.38E-15	0.00E+00
Max		1.11E+01	1.35E+01	1.48E+01	8.68E+00	8.25E-01	1.79E-04	6.05E-15	0.00E+00
Avg		1.11E+01	1.35E+01	1.48E+01	8.67E+00	8.24E-01	1.78E-04	6.01E-15	0.00E+00
Std		1.82E-03	9.95E-03	3.05E-02	4.39E-02	5.32E-03	1.30E-06	7.44E-17	0.00E+00
Tc-99									
Min		7.99E-04	7.99E-04	7.99E-04	7.98E-04	7.96E-04	7.89E-04	7.69E-04	7.03E-04
Max		7.99E-04	7.99E-04	7.99E-04	7.98E-04	7.96E-04	7.89E-04	7.69E-04	7.03E-04
Avg		7.99E-04	7.99E-04	7.99E-04	7.98E-04	7.96E-04	7.89E-04	7.69E-04	7.03E-04
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228									
Min		1.29E+01	8.71E+00	3.95E+00	2.50E-01	9.33E-05	9.40E-17	0.00E+00	0.00E+00
Max		1.31E+01	9.13E+00	4.42E+00	3.50E-01	2.50E-04	2.41E-15	0.00E+00	0.00E+00
Avg		1.31E+01	9.12E+00	4.42E+00	3.49E-01	2.47E-04	2.36E-15	0.00E+00	0.00E+00
Std		1.45E-02	3.13E-02	3.49E-02	7.66E-03	1.28E-05	2.37E-16	0.00E+00	0.00E+00
Th-232									
Min		6.25E-01	2.07E+00	5.26E+00	1.27E+01	1.04E+01	6.75E-01	1.96E-04	8.21E-17
Max		6.33E-01	2.13E+00	5.62E+00	1.58E+01	2.40E+01	2.48E+01	2.48E+01	2.48E+01
Avg		6.33E-01	2.13E+00	5.62E+00	1.57E+01	2.38E+01	2.43E+01	2.38E+01	2.29E+01
Std		5.36E-04	4.08E-03	2.40E-02	2.08E-01	9.48E-01	2.21E+00	3.44E+00	4.99E+00
U-234									
Min		5.05E-02	5.05E-02	5.05E-02	5.08E-02	5.23E-02	6.29E-02	9.73E-02	1.93E-01
Max		5.05E-02	5.05E-02	5.05E-02	5.08E-02	5.29E-02	7.71E-02	2.82E-01	2.33E+00
Avg		5.05E-02	5.05E-02	5.05E-02	5.08E-02	5.29E-02	7.68E-02	2.77E-01	2.23E+00
Std		0.00E+00	9.46E-09	9.59E-08	2.16E-06	4.57E-05	1.21E-03	1.93E-02	3.06E-01
U-235									
Min		1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.07E+00	1.06E+00	1.00E+00
Max		1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.07E+00	1.06E+00
Avg		1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.07E+00	1.05E+00
Std		0.00E+00	0.00E+00	2.32E-07	3.41E-06	4.40E-05	5.45E-04	3.22E-03	1.56E-02
U-238									
Min		5.42E-01	5.42E-01	5.42E-01	5.42E-01	5.41E-01	5.38E-01	5.30E-01	5.03E-01
Max		5.42E-01	5.42E-01	5.42E-01	5.42E-01	5.41E-01	5.38E-01	5.30E-01	5.03E-01
Avg		5.42E-01	5.42E-01	5.42E-01	5.42E-01	5.41E-01	5.38E-01	5.30E-01	5.03E-01
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	7.54E-06



Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Ground External(cont.)

ONuclide	DOSE(i,j,t), mrem/yr							
(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-ALL								
Min	2.63E+01	2.59E+01	2.55E+01	2.34E+01	1.29E+01	2.37E+00	1.89E+00	2.25E+00
Max	2.65E+01	2.65E+01	2.65E+01	2.65E+01	2.65E+01	2.65E+01	2.67E+01	2.87E+01
Avg	2.65E+01	2.65E+01	2.65E+01	2.64E+01	2.63E+01	2.60E+01	2.57E+01	2.67E+01
Std	1.64E-02	4.21E-02	7.44E-02	2.23E-01	9.49E-01	2.21E+00	3.45E+00	5.02E+00
=====	=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Inhalation (w/o Radon)

ONuclide (j)	t=	DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241									
Min		3.15E-06	3.15E-06	3.14E-06	3.10E-06	3.00E-06	4.67E-07	3.46E-10	1.26E-12
Max		1.48E-04	1.48E-04	1.48E-04	1.46E-04	1.41E-04	1.26E-04	9.15E-05	2.96E-05
Avg		4.66E-05	4.65E-05	4.63E-05	4.56E-05	4.38E-05	3.84E-05	2.70E-05	8.29E-06
Std		2.41E-05	2.40E-05	2.39E-05	2.35E-05	2.27E-05	2.02E-05	1.47E-05	4.85E-06
Np-237									
Min		7.68E-06	7.67E-06	7.66E-06	7.63E-06	7.53E-06	2.29E-07	1.27E-09	2.08E-09
Max		3.61E-04	3.61E-04	3.61E-04	3.61E-04	3.61E-04	3.60E-04	3.56E-04	3.45E-04
Avg		1.13E-04	1.13E-04	1.12E-04	1.09E-04	1.03E-04	9.00E-05	7.35E-05	5.26E-05
Std		5.85E-05	5.82E-05	5.78E-05	5.69E-05	5.65E-05	5.76E-05	5.82E-05	5.53E-05
Pu-239									
Min		6.10E-07	6.10E-07	6.10E-07	6.10E-07	6.09E-07	6.08E-07	6.04E-07	5.91E-07
Max		2.87E-05	2.87E-05	2.87E-05	2.87E-05	2.86E-05	2.84E-05	2.78E-05	2.67E-05
Avg		9.02E-06	9.02E-06	9.02E-06	9.01E-06	9.00E-06	8.93E-06	8.76E-06	8.28E-06
Std		4.66E-06	4.66E-06	4.65E-06	4.65E-06	4.64E-06	4.61E-06	4.56E-06	4.47E-06
Ra-228									
Min		2.56E-04	5.92E-04	8.66E-04	5.99E-04	5.83E-05	1.26E-08	4.27E-19	0.00E+00
Max		1.21E-02	2.78E-02	4.05E-02	2.78E-02	2.69E-03	5.73E-07	1.93E-17	0.00E+00
Avg		3.79E-03	8.75E-03	1.28E-02	8.85E-03	8.61E-04	1.86E-07	6.28E-18	0.00E+00
Std		1.96E-03	4.52E-03	6.61E-03	4.57E-03	4.44E-04	9.60E-08	3.23E-18	0.00E+00
Tc-99									
Min		1.50E-07	1.50E-07	1.50E-07	1.50E-07	1.50E-07	1.48E-07	1.45E-07	1.32E-07
Max		7.07E-06	7.07E-06	7.06E-06	7.06E-06	7.04E-06	6.98E-06	6.80E-06	6.22E-06
Avg		2.22E-06	2.22E-06	2.22E-06	2.22E-06	2.21E-06	2.19E-06	2.14E-06	1.96E-06
Std		1.15E-06	1.15E-06	1.15E-06	1.15E-06	1.14E-06	1.13E-06	1.10E-06	1.01E-06
Th-228									
Min		1.28E-03	8.89E-04	4.31E-04	3.41E-05	2.43E-08	6.49E-20	0.00E+00	0.00E+00
Max		6.00E-02	4.16E-02	2.00E-02	1.55E-03	1.09E-06	1.04E-17	0.00E+00	0.00E+00
Avg		1.89E-02	1.31E-02	6.36E-03	5.03E-04	3.56E-07	3.40E-18	0.00E+00	0.00E+00
Std		9.75E-03	6.78E-03	3.28E-03	2.59E-04	1.84E-07	1.76E-18	0.00E+00	0.00E+00
Th-232									
Min		7.24E-03	7.29E-03	7.48E-03	8.14E-03	8.71E-03	3.59E-03	1.04E-06	4.37E-19
Max		3.41E-01	3.43E-01	3.52E-01	3.83E-01	4.09E-01	4.12E-01	4.12E-01	4.12E-01
Avg		1.07E-01	1.08E-01	1.10E-01	1.20E-01	1.28E-01	1.27E-01	1.25E-01	1.20E-01
Std		5.53E-02	5.56E-02	5.70E-02	6.20E-02	6.65E-02	6.75E-02	6.83E-02	7.01E-02
U-234									
Min		4.70E-02	4.70E-02	4.70E-02	4.70E-02	4.69E-02	4.67E-02	4.62E-02	4.45E-02
Max		2.21E+00	2.21E+00	2.21E+00	2.21E+00	2.21E+00	2.20E+00	2.18E+00	2.09E+00
Avg		6.96E-01	6.96E-01	6.95E-01	6.95E-01	6.94E-01	6.92E-01	6.84E-01	6.58E-01
Std		3.59E-01	3.59E-01	3.59E-01	3.59E-01	3.58E-01	3.57E-01	3.53E-01	3.40E-01
U-235									
Min		4.98E-04	4.99E-04	4.99E-04	5.00E-04	5.07E-04	5.42E-04	6.31E-04	7.48E-04
Max		2.34E-02	2.35E-02	2.35E-02	2.35E-02	2.38E-02	2.55E-02	3.04E-02	4.85E-02
Avg		7.37E-03	7.38E-03	7.38E-03	7.40E-03	7.50E-03	8.04E-03	9.69E-03	1.47E-02
Std		3.80E-03	3.81E-03	3.81E-03	3.82E-03	3.87E-03	4.13E-03	4.92E-03	7.51E-03
U-238									
Min		1.21E-03	1.21E-03	1.21E-03	1.21E-03	1.21E-03	1.20E-03	1.18E-03	1.12E-03
Max		5.68E-02	5.68E-02	5.68E-02	5.68E-02	5.67E-02	5.64E-02	5.56E-02	5.29E-02
Avg		1.79E-02	1.79E-02	1.79E-02	1.79E-02	1.78E-02	1.77E-02	1.75E-02	1.66E-02
Std		9.22E-03	9.22E-03	9.22E-03	9.22E-03	9.20E-03	9.16E-03	9.03E-03	8.58E-03

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Inhalation (w/o Radon) (cont.)

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-----									
-ALL									
Min		5.75E-02	5.75E-02	5.75E-02	5.75E-02	5.74E-02	5.73E-02	5.68E-02	5.51E-02
Max		2.71E+00	2.70E+00	2.70E+00	2.70E+00	2.70E+00	2.69E+00	2.67E+00	2.60E+00
Avg		8.51E-01	8.51E-01	8.50E-01	8.50E-01	8.49E-01	8.45E-01	8.36E-01	8.09E-01
Std		4.39E-01	4.39E-01	4.39E-01	4.39E-01	4.38E-01	4.36E-01	4.33E-01	4.20E-01
=====									

-ALL is total pathway dose summed for all nuclides.



Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Radon (Water Ind.) (cont.)

ONuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Plant (Water Ind.)

ONuclide (j)	t=	DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-----									
Am-241									
Min		1.92E-04	1.91E-04	1.91E-04	1.89E-04	1.84E-04	3.44E-05	6.76E-08	8.44E-10
Max		3.20E-02	3.20E-02	3.18E-02	3.14E-02	3.03E-02	2.66E-02	1.83E-02	5.24E-03
Avg		3.65E-03	3.64E-03	3.63E-03	3.57E-03	3.44E-03	3.03E-03	2.14E-03	6.60E-04
Std		3.94E-03	3.94E-03	3.92E-03	3.88E-03	3.75E-03	3.33E-03	2.38E-03	7.46E-04
Np-237									
Min		6.53E-03	6.28E-03	5.81E-03	4.42E-03	2.03E-03	1.32E-04	6.76E-08	3.96E-08
Max		1.41E+00	1.40E+00	1.40E+00	1.37E+00	1.30E+00	1.08E+00	8.77E-01	6.01E-01
Avg		1.78E-01	1.77E-01	1.76E-01	1.71E-01	1.62E-01	1.41E-01	1.13E-01	7.66E-02
Std		1.87E-01	1.86E-01	1.84E-01	1.79E-01	1.69E-01	1.53E-01	1.32E-01	1.03E-01
Pu-239									
Min		3.71E-05	3.71E-05	3.71E-05	3.71E-05	3.69E-05	3.64E-05	3.50E-05	3.04E-05
Max		5.21E-03	5.21E-03	5.21E-03	5.20E-03	5.20E-03	5.17E-03	5.10E-03	4.84E-03
Avg		7.05E-04	7.05E-04	7.05E-04	7.04E-04	7.03E-04	6.98E-04	6.84E-04	6.46E-04
Std		7.35E-04	7.34E-04	7.34E-04	7.34E-04	7.32E-04	7.28E-04	7.17E-04	6.88E-04
Ra-228									
Min		2.51E+00	2.26E+00	1.81E+00	8.02E-01	7.24E-02	1.57E-05	5.30E-16	0.00E+00
Max		2.55E+02	2.26E+02	1.78E+02	7.64E+01	6.85E+00	1.48E-03	5.02E-14	0.00E+00
Avg		3.41E+01	3.03E+01	2.40E+01	1.04E+01	9.32E-01	2.02E-04	6.80E-15	0.00E+00
Std		3.60E+01	3.20E+01	2.51E+01	1.08E+01	9.69E-01	2.09E-04	7.07E-15	0.00E+00
Tc-99									
Min		5.74E-01	5.74E-01	5.74E-01	5.73E-01	5.72E-01	5.67E-01	5.53E-01	5.05E-01
Max		2.79E+02	2.79E+02	2.79E+02	2.79E+02	2.78E+02	2.75E+02	2.68E+02	2.46E+02
Avg		1.90E+01	1.90E+01	1.89E+01	1.89E+01	1.89E+01	1.87E+01	1.82E+01	1.67E+01
Std		2.33E+01	2.33E+01	2.33E+01	2.33E+01	2.32E+01	2.30E+01	2.24E+01	2.05E+01
Th-228									
Min		2.10E-02	1.47E-02	7.10E-03	5.62E-04	4.01E-07	1.50E-18	0.00E+00	0.00E+00
Max		2.72E+00	1.89E+00	9.17E-01	7.26E-02	5.18E-05	5.00E-16	0.00E+00	0.00E+00
Avg		4.16E-01	2.89E-01	1.40E-01	1.11E-02	7.86E-06	7.52E-17	0.00E+00	0.00E+00
Std		4.21E-01	2.93E-01	1.42E-01	1.12E-02	8.01E-06	7.74E-17	0.00E+00	0.00E+00
Th-232									
Min		3.50E-01	7.27E-01	1.36E+00	2.47E+00	3.20E+00	4.25E-01	1.23E-04	5.16E-17
Max		1.74E+01	4.43E+01	9.27E+01	1.94E+02	2.63E+02	2.70E+02	2.70E+02	2.68E+02
Avg		3.64E+00	7.50E+00	1.40E+01	2.77E+01	3.70E+01	3.76E+01	3.70E+01	3.58E+01
Std		2.68E+00	6.39E+00	1.31E+01	2.74E+01	3.72E+01	3.81E+01	3.79E+01	3.75E+01
U-234									
Min		9.96E-01	9.97E-01	9.97E-01	1.00E+00	1.01E+00	1.07E+00	1.44E+00	4.63E+00
Max		1.83E+02	1.83E+02	1.83E+02	1.83E+02	1.82E+02	1.81E+02	1.79E+02	1.76E+02
Avg		2.81E+01	2.81E+01	2.81E+01	2.81E+01	2.81E+01	2.80E+01	2.82E+01	3.27E+01
Std		2.85E+01	2.85E+01	2.85E+01	2.85E+01	2.84E+01	2.83E+01	2.78E+01	2.69E+01
U-235									
Min		1.22E-02	1.54E-02	2.17E-02	2.97E-02	3.89E-02	6.62E-02	8.76E-02	8.31E-02
Max		1.96E+00	1.96E+00	1.96E+00	1.96E+00	1.96E+00	2.09E+00	4.18E+00	1.23E+01
Avg		3.03E-01	3.05E-01	3.08E-01	3.18E-01	3.49E-01	4.60E-01	7.61E-01	1.68E+00
Std		3.06E-01	3.06E-01	3.07E-01	3.08E-01	3.14E-01	3.67E-01	6.42E-01	1.77E+00
U-238									
Min		2.72E-02	2.72E-02	2.72E-02	2.72E-02	2.71E-02	2.70E-02	2.66E-02	2.54E-02
Max		4.99E+00	4.99E+00	4.99E+00	4.98E+00	4.98E+00	4.95E+00	4.88E+00	4.64E+00
Avg		7.68E-01	7.68E-01	7.68E-01	7.67E-01	7.66E-01	7.62E-01	7.52E-01	7.15E-01
Std		7.77E-01	7.77E-01	7.77E-01	7.77E-01	7.76E-01	7.72E-01	7.61E-01	7.23E-01

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Plant (Water Ind.) (cont.)

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-----									
-ALL									
Min		1.86E+01	1.86E+01	1.86E+01	1.86E+01	1.84E+01	1.78E+01	1.66E+01	1.51E+01
Max		3.33E+02	3.33E+02	3.33E+02	3.33E+02	3.33E+02	3.33E+02	3.37E+02	3.90E+02
Avg		8.65E+01	8.65E+01	8.64E+01	8.64E+01	8.62E+01	8.57E+01	8.50E+01	8.76E+01
Std		5.25E+01	5.25E+01	5.25E+01	5.25E+01	5.25E+01	5.23E+01	5.21E+01	5.40E+01
=====									

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Meat (Water Ind.)

ONuclide (j)	t=	DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241									
Min		3.30E-05	3.30E-05	3.29E-05	2.98E-05	1.15E-05	4.27E-07	1.98E-09	1.81E-11
Max		1.23E-04	1.22E-04	1.22E-04	1.21E-04	1.16E-04	1.03E-04	7.20E-05	2.18E-05
Avg		5.67E-05	5.66E-05	5.64E-05	5.56E-05	5.34E-05	4.69E-05	3.31E-05	1.04E-05
Std		1.21E-05	1.20E-05	1.20E-05	1.20E-05	1.19E-05	1.14E-05	9.18E-06	3.54E-06
Np-237									
Min		4.36E-04	4.36E-04	4.36E-04	4.35E-04	4.05E-04	1.05E-05	6.19E-09	6.77E-09
Max		7.45E-02	7.43E-02	7.39E-02	7.26E-02	6.88E-02	5.71E-02	3.51E-02	2.69E-02
Avg		6.07E-03	6.05E-03	6.00E-03	5.84E-03	5.48E-03	4.73E-03	3.80E-03	2.65E-03
Std		6.86E-03	6.82E-03	6.75E-03	6.54E-03	6.12E-03	5.41E-03	4.52E-03	3.63E-03
Pu-239									
Min		1.18E-05	1.18E-05	1.17E-05	1.17E-05	1.17E-05	1.17E-05	1.06E-05	1.80E-06
Max		4.19E-05	4.19E-05	4.19E-05	4.19E-05	4.18E-05	4.16E-05	4.10E-05	3.90E-05
Avg		2.20E-05	2.20E-05	2.20E-05	2.20E-05	2.19E-05	2.18E-05	2.14E-05	2.02E-05
Std		4.66E-06	4.66E-06	4.66E-06	4.65E-06	4.64E-06	4.62E-06	4.65E-06	5.01E-06
Ra-228									
Min		6.80E-02	6.86E-02	5.94E-02	2.86E-02	2.63E-03	5.69E-07	1.92E-17	0.00E+00
Max		5.55E+00	4.92E+00	3.87E+00	1.66E+00	1.49E-01	3.23E-05	1.09E-15	0.00E+00
Avg		8.44E-01	7.55E-01	6.00E-01	2.62E-01	2.36E-02	5.09E-06	1.72E-16	0.00E+00
Std		9.42E-01	8.35E-01	6.56E-01	2.82E-01	2.53E-02	5.47E-06	1.84E-16	0.00E+00
Tc-99									
Min		3.04E-04	3.04E-04	3.04E-04	3.04E-04	3.03E-04	3.00E-04	2.93E-04	2.68E-04
Max		4.12E-01	4.12E-01	4.11E-01	4.11E-01	4.10E-01	4.06E-01	3.96E-01	3.62E-01
Avg		2.83E-02	2.83E-02	2.83E-02	2.83E-02	2.82E-02	2.79E-02	2.72E-02	2.49E-02
Std		4.17E-02	4.17E-02	4.17E-02	4.17E-02	4.16E-02	4.12E-02	4.01E-02	3.67E-02
Th-228									
Min		7.58E-04	5.22E-04	2.47E-04	1.80E-05	1.01E-08	1.31E-20	0.00E+00	0.00E+00
Max		2.20E-01	1.53E-01	7.42E-02	5.87E-03	4.19E-06	4.05E-17	0.00E+00	0.00E+00
Avg		2.17E-02	1.51E-02	7.30E-03	5.75E-04	4.05E-07	3.82E-18	0.00E+00	0.00E+00
Std		2.81E-02	1.95E-02	9.39E-03	7.30E-04	5.05E-07	4.77E-18	0.00E+00	0.00E+00
Th-232									
Min		9.80E-03	2.42E-02	4.86E-02	9.92E-02	1.24E-01	1.20E-02	3.50E-06	1.46E-18
Max		8.98E-01	9.25E-01	1.92E+00	4.07E+00	5.53E+00	5.67E+00	5.67E+00	5.67E+00
Avg		1.27E-01	2.22E-01	3.84E-01	7.28E-01	9.63E-01	9.77E-01	9.57E-01	9.20E-01
Std		1.19E-01	1.82E-01	3.42E-01	7.06E-01	9.57E-01	9.71E-01	9.53E-01	9.43E-01
U-234									
Min		5.77E-01	5.77E-01	5.77E-01	5.77E-01	5.77E-01	5.77E-01	5.86E-01	7.10E-01
Max		2.10E+01	2.10E+01	2.10E+01	2.10E+01	2.09E+01	2.08E+01	2.05E+01	1.98E+01
Avg		4.54E+00	4.54E+00	4.54E+00	4.54E+00	4.53E+00	4.51E+00	4.47E+00	4.50E+00
Std		3.45E+00	3.45E+00	3.44E+00	3.44E+00	3.44E+00	3.42E+00	3.37E+00	3.20E+00
U-235									
Min		6.20E-03	6.20E-03	6.21E-03	6.21E-03	6.23E-03	6.31E-03	6.52E-03	6.63E-03
Max		2.26E-01	2.26E-01	2.26E-01	2.25E-01	2.25E-01	2.24E-01	2.21E-01	2.12E-01
Avg		4.88E-02	4.88E-02	4.88E-02	4.88E-02	4.88E-02	4.86E-02	4.83E-02	4.71E-02
Std		3.70E-02	3.70E-02	3.70E-02	3.70E-02	3.69E-02	3.67E-02	3.62E-02	3.43E-02
U-238									
Min		1.57E-02	1.57E-02	1.57E-02	1.57E-02	1.57E-02	1.56E-02	1.54E-02	1.47E-02
Max		5.73E-01	5.73E-01	5.73E-01	5.72E-01	5.71E-01	5.69E-01	5.60E-01	5.33E-01
Avg		1.24E-01	1.24E-01	1.24E-01	1.24E-01	1.24E-01	1.23E-01	1.21E-01	1.15E-01
Std		9.40E-02	9.40E-02	9.40E-02	9.40E-02	9.38E-02	9.34E-02	9.20E-02	8.75E-02



Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Meat (Water Ind.) (cont.)

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-----									
-ALL									
Min		9.83E-01	9.83E-01	9.82E-01	9.82E-01	9.81E-01	9.79E-01	9.80E-01	1.06E+00
Max		2.26E+01	2.26E+01	2.26E+01	2.26E+01	2.25E+01	2.24E+01	2.21E+01	2.14E+01
Avg		5.74E+00	5.74E+00	5.74E+00	5.74E+00	5.73E+00	5.69E+00	5.63E+00	5.61E+00
Std		3.63E+00	3.63E+00	3.63E+00	3.63E+00	3.62E+00	3.60E+00	3.55E+00	3.42E+00
=====									

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Milk (Water Ind.)

ONuclide (j)	t=	DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-----									
Am-241									
Min		1.30E-06	1.30E-06	1.30E-06	1.28E-06	1.24E-06	6.42E-08	1.42E-10	8.28E-13
Max		4.06E-05	4.05E-05	4.04E-05	4.00E-05	3.87E-05	3.46E-05	2.50E-05	8.07E-06
Avg		9.88E-06	9.86E-06	9.81E-06	9.67E-06	9.28E-06	8.16E-06	5.76E-06	1.78E-06
Std		7.14E-06	7.13E-06	7.10E-06	7.01E-06	6.79E-06	6.08E-06	4.43E-06	1.44E-06
Np-237									
Min		9.29E-06	9.29E-06	9.28E-06	9.26E-06	9.20E-06	3.55E-07	1.40E-08	1.07E-08
Max		1.47E-03	1.47E-03	1.47E-03	1.46E-03	1.44E-03	1.35E-03	1.13E-03	8.64E-04
Avg		1.92E-04	1.91E-04	1.90E-04	1.86E-04	1.75E-04	1.53E-04	1.25E-04	8.81E-05
Std		1.82E-04	1.81E-04	1.80E-04	1.76E-04	1.69E-04	1.60E-04	1.47E-04	1.18E-04
Pu-239									
Min		1.76E-07	1.76E-07	1.76E-07	1.75E-07	1.75E-07	1.75E-07	1.73E-07	9.73E-08
Max		2.76E-06	2.76E-06	2.76E-06	2.75E-06	2.71E-06	2.59E-06	2.56E-06	2.51E-06
Avg		8.49E-07	8.49E-07	8.49E-07	8.48E-07	8.46E-07	8.40E-07	8.24E-07	7.78E-07
Std		4.17E-07	4.17E-07	4.17E-07	4.16E-07	4.15E-07	4.12E-07	4.05E-07	3.91E-07
Ra-228									
Min		3.04E-01	2.70E-01	2.12E-01	9.14E-02	8.21E-03	1.78E-06	6.01E-17	0.00E+00
Max		1.10E+01	9.75E+00	7.66E+00	3.30E+00	2.96E-01	6.40E-05	2.17E-15	0.00E+00
Avg		2.18E+00	1.93E+00	1.52E+00	6.53E-01	5.86E-02	1.27E-05	4.27E-16	0.00E+00
Std		1.70E+00	1.50E+00	1.18E+00	5.08E-01	4.56E-02	9.86E-06	3.32E-16	0.00E+00
Tc-99									
Min		2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.50E-02	2.48E-02	2.42E-02	2.21E-02
Max		2.18E+01	2.18E+01	2.18E+01	2.18E+01	2.17E+01	2.16E+01	2.10E+01	1.92E+01
Avg		8.17E-01	8.17E-01	8.17E-01	8.16E-01	8.14E-01	8.07E-01	7.86E-01	7.19E-01
Std		1.61E+00	1.61E+00	1.61E+00	1.60E+00	1.60E+00	1.59E+00	1.55E+00	1.41E+00
Th-228									
Min		1.96E-04	1.37E-04	6.62E-05	5.24E-06	3.74E-09	3.07E-20	0.00E+00	0.00E+00
Max		5.03E-02	3.50E-02	1.70E-02	1.34E-03	9.57E-07	9.25E-18	0.00E+00	0.00E+00
Avg		3.47E-03	2.41E-03	1.17E-03	9.21E-05	6.52E-08	6.22E-19	0.00E+00	0.00E+00
Std		4.24E-03	2.95E-03	1.43E-03	1.13E-04	8.04E-08	7.76E-19	0.00E+00	0.00E+00
Th-232									
Min		2.23E-02	5.67E-02	1.15E-01	2.36E-01	3.19E-01	3.81E-02	1.11E-05	4.64E-18
Max		5.63E-01	1.80E+00	3.89E+00	8.26E+00	1.13E+01	1.15E+01	1.15E+01	1.14E+01
Avg		1.30E-01	3.76E-01	7.89E-01	1.65E+00	2.24E+00	2.27E+00	2.23E+00	2.15E+00
Std		8.70E-02	2.77E-01	5.99E-01	1.27E+00	1.73E+00	1.78E+00	1.78E+00	1.77E+00
U-234									
Min		9.69E-01	9.69E-01	9.68E-01	9.68E-01	9.67E-01	9.64E-01	9.78E-01	1.23E+00
Max		3.23E+01	3.23E+01	3.23E+01	3.23E+01	3.22E+01	3.20E+01	3.16E+01	3.02E+01
Avg		7.50E+00	7.50E+00	7.50E+00	7.50E+00	7.49E+00	7.45E+00	7.39E+00	7.50E+00
Std		4.72E+00	4.72E+00	4.72E+00	4.71E+00	4.71E+00	4.68E+00	4.61E+00	4.37E+00
U-235									
Min		1.04E-02	1.04E-02	1.04E-02	1.04E-02	1.04E-02	1.04E-02	1.04E-02	1.05E-02
Max		3.47E-01	3.47E-01	3.47E-01	3.47E-01	3.46E-01	3.45E-01	3.40E-01	3.23E-01
Avg		8.07E-02	8.07E-02	8.07E-02	8.06E-02	8.05E-02	8.02E-02	7.94E-02	7.64E-02
Std		5.07E-02	5.07E-02	5.07E-02	5.07E-02	5.06E-02	5.03E-02	4.95E-02	4.70E-02
U-238									
Min		2.64E-02	2.64E-02	2.64E-02	2.64E-02	2.64E-02	2.62E-02	2.59E-02	2.46E-02
Max		8.81E-01	8.81E-01	8.81E-01	8.81E-01	8.79E-01	8.75E-01	8.62E-01	8.20E-01
Avg		2.05E-01	2.05E-01	2.05E-01	2.05E-01	2.04E-01	2.03E-01	2.00E-01	1.91E-01
Std		1.29E-01	1.29E-01	1.29E-01	1.29E-01	1.28E-01	1.28E-01	1.26E-01	1.20E-01

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Milk (Water Ind.) (cont.)

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-----									
-ALL									
Min		2.37E+00	2.37E+00	2.37E+00	2.37E+00	2.37E+00	2.36E+00	2.11E+00	2.07E+00
Max		4.08E+01	4.08E+01	4.08E+01	4.07E+01	4.06E+01	4.03E+01	3.95E+01	3.69E+01
Avg		1.09E+01	1.09E+01	1.09E+01	1.09E+01	1.09E+01	1.08E+01	1.07E+01	1.06E+01
Std		5.46E+00	5.46E+00	5.46E+00	5.45E+00	5.44E+00	5.42E+00	5.34E+00	5.13E+00
=====									

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Soil Ingestion

ONuclide (j)	t=	DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241									
Min		5.05E-04	4.81E-04	4.38E-04	3.14E-04	1.22E-04	4.39E-06	3.26E-09	9.57E-12
Max		5.16E-04	5.15E-04	5.14E-04	5.08E-04	4.92E-04	4.40E-04	3.19E-04	1.04E-04
Avg		5.16E-04	5.15E-04	5.13E-04	5.05E-04	4.85E-04	4.26E-04	3.00E-04	9.22E-05
Std		9.30E-07	2.74E-06	6.13E-06	1.60E-05	3.30E-05	5.08E-05	5.45E-05	2.48E-05
Np-237									
Min		1.23E-03	1.17E-03	1.05E-03	7.29E-04	2.57E-04	6.66E-06	9.40E-09	1.45E-08
Max		1.26E-03	1.26E-03	1.26E-03	1.26E-03	1.26E-03	1.26E-03	1.26E-03	1.26E-03
Avg		1.26E-03	1.25E-03	1.24E-03	1.21E-03	1.15E-03	1.00E-03	8.19E-04	5.83E-04
Std		5.06E-06	1.49E-05	3.37E-05	8.98E-05	1.96E-04	3.42E-04	4.39E-04	4.75E-04
Pu-239									
Min		1.00E-04	1.00E-04	9.96E-05	9.79E-05	9.30E-05	7.79E-05	4.69E-05	7.96E-06
Max		1.01E-04	1.01E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	9.96E-05	9.76E-05
Avg		1.01E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	9.95E-05	9.76E-05	9.22E-05
Std		1.13E-08	3.38E-08	7.87E-08	2.35E-07	6.70E-07	2.08E-06	5.31E-06	1.17E-05
Ra-228									
Min		1.30E-01	1.32E-01	1.21E-01	6.09E-02	5.60E-03	1.21E-06	3.86E-17	0.00E+00
Max		1.31E-01	1.33E-01	1.23E-01	6.35E-02	5.91E-03	1.28E-06	4.33E-17	0.00E+00
Avg		1.31E-01	1.33E-01	1.23E-01	6.35E-02	5.91E-03	1.28E-06	4.31E-17	0.00E+00
Std		8.53E-06	4.56E-05	1.39E-04	2.00E-04	2.47E-05	6.91E-09	4.92E-19	0.00E+00
Tc-99									
Min		5.26E-04	5.26E-04	5.26E-04	5.26E-04	5.24E-04	5.20E-04	5.07E-04	4.63E-04
Max		5.26E-04	5.26E-04	5.26E-04	5.26E-04	5.24E-04	5.20E-04	5.07E-04	4.63E-04
Avg		5.26E-04	5.26E-04	5.26E-04	5.26E-04	5.24E-04	5.20E-04	5.07E-04	4.63E-04
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228									
Min		5.88E-02	3.96E-02	1.80E-02	1.14E-03	4.25E-07	4.28E-19	0.00E+00	0.00E+00
Max		5.97E-02	4.16E-02	2.01E-02	1.59E-03	1.14E-06	1.10E-17	0.00E+00	0.00E+00
Avg		5.97E-02	4.15E-02	2.01E-02	1.59E-03	1.13E-06	1.07E-17	0.00E+00	0.00E+00
Std		6.62E-05	1.43E-04	1.59E-04	3.49E-05	5.81E-08	1.08E-18	0.00E+00	0.00E+00
Th-232									
Min		2.43E-01	2.49E-01	2.59E-01	2.62E-01	1.51E-01	9.24E-03	2.68E-06	1.12E-18
Max		2.48E-01	2.64E-01	2.95E-01	3.73E-01	4.32E-01	4.38E-01	4.38E-01	4.38E-01
Avg		2.48E-01	2.64E-01	2.95E-01	3.72E-01	4.29E-01	4.30E-01	4.21E-01	4.05E-01
Std		3.19E-04	9.69E-04	2.33E-03	7.40E-03	2.00E-02	4.01E-02	6.13E-02	8.83E-02
U-234									
Min		2.01E+00	2.01E+00	2.01E+00	2.01E+00	2.01E+00	2.00E+00	1.97E+00	1.87E+00
Max		2.01E+00	2.01E+00	2.01E+00	2.01E+00	2.01E+00	2.00E+00	1.99E+00	1.99E+00
Avg		2.01E+00	2.01E+00	2.01E+00	2.01E+00	2.01E+00	2.00E+00	1.98E+00	1.98E+00
Std		0.00E+00	8.71E-08	3.81E-07	3.69E-06	2.79E-05	2.39E-04	1.75E-03	1.80E-02
U-235									
Min		2.16E-02	2.17E-02	2.17E-02	2.18E-02	2.20E-02	2.22E-02	2.19E-02	2.08E-02
Max		2.16E-02	2.17E-02	2.17E-02	2.18E-02	2.24E-02	2.51E-02	3.33E-02	6.08E-02
Avg		2.16E-02	2.17E-02	2.17E-02	2.18E-02	2.24E-02	2.49E-02	3.22E-02	5.46E-02
Std		1.69E-08	1.18E-07	6.26E-07	5.60E-06	4.61E-05	4.08E-04	2.18E-03	1.03E-02
U-238									
Min		5.49E-02	5.49E-02	5.49E-02	5.49E-02	5.48E-02	5.45E-02	5.38E-02	5.11E-02
Max		5.49E-02	5.49E-02	5.49E-02	5.49E-02	5.48E-02	5.45E-02	5.38E-02	5.11E-02
Avg		5.49E-02	5.49E-02	5.49E-02	5.49E-02	5.48E-02	5.45E-02	5.38E-02	5.11E-02
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-10	1.50E-08	4.86E-07

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Soil Ingestion(cont.)

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-----									
-ALL									
Min		2.53E+00	2.51E+00	2.49E+00	2.42E+00	2.25E+00	2.09E+00	2.06E+00	1.97E+00
Max		2.53E+00	2.53E+00	2.53E+00	2.53E+00	2.53E+00	2.52E+00	2.51E+00	2.54E+00
Avg		2.53E+00	2.53E+00	2.53E+00	2.53E+00	2.52E+00	2.51E+00	2.49E+00	2.50E+00
Std		3.26E-04	9.84E-04	2.34E-03	7.40E-03	2.00E-02	4.02E-02	6.18E-02	9.28E-02
=====									

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Water Ingestion

ONuclide (j)	t=	DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	7.42E-13	4.35E-04	2.09E-03	2.18E-01	8.55E-01	6.44E-02	
Avg	0.00E+00	0.00E+00	2.47E-15	1.49E-06	8.30E-06	7.82E-04	4.73E-03	6.54E-04	
Std	0.00E+00	0.00E+00	4.28E-14	2.51E-05	1.21E-04	1.26E-02	5.71E-02	5.52E-03	
Np-237									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	9.48E-05	3.01E+01	4.06E+01	2.01E+01	7.06E+00	9.95E+00	
Avg	0.00E+00	0.00E+00	3.16E-07	1.18E-01	3.67E-01	5.58E-01	5.27E-01	3.74E-01	
Std	0.00E+00	0.00E+00	5.46E-06	1.76E+00	3.30E+00	2.21E+00	1.08E+00	7.61E-01	
Pu-239									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	8.22E-15	1.95E-12	2.17E-05	1.14E-04	2.14E-03	
Avg	0.00E+00	0.00E+00	0.00E+00	3.32E-17	7.59E-15	7.58E-08	7.80E-07	2.15E-05	
Std	0.00E+00	0.00E+00	0.00E+00	4.82E-16	1.14E-13	1.25E-06	8.55E-06	1.52E-04	
Ra-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	4.81E-07	2.10E-04	1.41E-07	1.31E-17	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	1.60E-09	7.20E-07	4.90E-10	4.59E-20	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	2.77E-08	1.21E-05	8.14E-09	7.58E-19	0.00E+00	
Tc-99									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	2.58E-07	5.03E-05	3.87E-15	0.00E+00	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	8.59E-10	1.68E-07	1.29E-17	0.00E+00	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.90E-06	2.23E-16	0.00E+00	0.00E+00	
Th-232									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	2.00E-04	8.70E-03	3.85E-02	2.61E-01	1.05E+01	
Avg	0.00E+00	0.00E+00	0.00E+00	6.65E-07	2.98E-05	1.45E-04	2.89E-03	5.46E-02	
Std	0.00E+00	0.00E+00	0.00E+00	1.15E-05	5.01E-04	2.23E-03	2.35E-02	6.31E-01	
U-234									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	4.99E-11	1.70E-06	7.54E-03	2.50E-01	1.43E+01	
Avg	0.00E+00	0.00E+00	0.00E+00	1.91E-13	5.74E-09	3.11E-05	1.23E-03	8.77E-02	
Std	0.00E+00	0.00E+00	0.00E+00	2.91E-12	9.82E-08	4.40E-04	1.51E-02	8.67E-01	
U-235									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	1.09E-02	7.14E-01	8.93E+00	2.71E+01	2.69E+01	
Avg	0.00E+00	0.00E+00	0.00E+00	4.54E-05	2.73E-03	3.62E-02	2.29E-01	8.21E-01	
Std	0.00E+00	0.00E+00	0.00E+00	6.45E-04	4.16E-02	5.21E-01	2.06E+00	3.46E+00	
U-238									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	1.11E-15	9.76E-11	9.53E-08	3.31E-06	4.32E-04	
Avg	0.00E+00	0.00E+00	0.00E+00	3.72E-18	3.25E-13	6.60E-10	1.69E-08	3.04E-06	
Std	0.00E+00	0.00E+00	0.00E+00	6.43E-17	5.63E-12	7.02E-09	2.04E-07	2.80E-05	

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Water Ingestion(cont.)

ONuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	9.48E-05	3.01E+01	4.06E+01	2.01E+01	2.78E+01	2.73E+01
Avg		0.00E+00	0.00E+00	3.16E-07	1.18E-01	3.70E-01	5.95E-01	7.64E-01	1.34E+00
Std		0.00E+00	0.00E+00	5.46E-06	1.76E+00	3.30E+00	2.26E+00	2.32E+00	3.63E+00
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Fish Ingestion

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
DOSE(i,j,t), mrem/yr									
Am-241	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	2.32E-13	2.23E-04	1.07E-03	5.64E-01	1.30E+00	1.66E-01
	Avg	0.00E+00	0.00E+00	7.72E-16	7.59E-07	4.26E-06	1.91E-03	6.76E-03	9.42E-04
	Std	0.00E+00	0.00E+00	1.33E-14	1.28E-05	6.21E-05	3.25E-02	8.46E-02	1.01E-02
Np-237	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	3.41E-05	1.29E+01	1.74E+01	1.05E+01	1.94E+01	1.17E+01
	Avg	0.00E+00	0.00E+00	1.14E-07	5.04E-02	1.66E-01	3.22E-01	4.13E-01	3.10E-01
	Std	0.00E+00	0.00E+00	1.96E-06	7.50E-01	1.40E+00	1.22E+00	1.48E+00	9.13E-01
Pu-239	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	5.02E-15	1.18E-12	2.64E-06	8.63E-05	7.91E-04
	Avg	0.00E+00	0.00E+00	0.00E+00	2.21E-17	4.92E-15	1.44E-08	4.87E-07	1.06E-05
	Std	0.00E+00	0.00E+00	0.00E+00	3.03E-16	6.99E-14	1.80E-07	5.74E-06	7.34E-05
Ra-228	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	7.28E-07	4.91E-04	3.30E-07	3.08E-17	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	2.43E-09	1.67E-06	1.13E-09	1.06E-19	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	4.20E-08	2.83E-05	1.90E-08	1.77E-18	0.00E+00
Tc-99	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	3.96E-07	1.18E-04	9.09E-15	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	1.32E-09	3.94E-07	3.03E-17	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	2.28E-08	6.80E-06	5.24E-16	0.00E+00	0.00E+00
Th-232	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	3.69E-03	1.65E-01	7.30E-01	2.32E+00	1.72E+01
	Avg	0.00E+00	0.00E+00	0.00E+00	1.23E-05	5.52E-04	2.45E-03	1.26E-02	1.25E-01
	Std	0.00E+00	0.00E+00	0.00E+00	2.13E-04	9.52E-03	4.21E-02	1.45E-01	1.22E+00
U-234	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	9.58E-11	2.42E-06	7.58E-03	2.52E-01	2.89E+01
	Avg	0.00E+00	0.00E+00	0.00E+00	3.32E-13	8.16E-09	3.50E-05	1.70E-03	1.79E-01
	Std	0.00E+00	0.00E+00	0.00E+00	5.53E-12	1.40E-07	4.51E-04	1.74E-02	1.76E+00
U-235	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	6.54E-03	4.35E-01	5.44E+00	5.03E+01	4.83E+01
	Avg	0.00E+00	0.00E+00	0.00E+00	3.10E-05	1.80E-03	2.40E-02	2.55E-01	5.35E-01
	Std	0.00E+00	0.00E+00	0.00E+00	4.08E-04	2.58E-02	3.25E-01	3.03E+00	3.58E+00
U-238	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	2.06E-15	1.33E-10	5.65E-07	3.31E-06	8.76E-04
	Avg	0.00E+00	0.00E+00	0.00E+00	6.88E-18	4.43E-13	2.36E-09	2.69E-08	5.89E-06
	Std	0.00E+00	0.00E+00	0.00E+00	1.19E-16	7.66E-12	3.32E-08	2.73E-07	5.53E-05



Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Fish Ingestion(cont.)

ONuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	3.41E-05	1.29E+01	1.74E+01	1.05E+01	5.05E+01	4.85E+01
Avg		0.00E+00	0.00E+00	1.14E-07	5.04E-02	1.69E-01	3.50E-01	6.89E-01	1.15E+00
Std		0.00E+00	0.00E+00	1.96E-06	7.50E-01	1.40E+00	1.25E+00	3.36E+00	4.20E+00
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.



Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Radon (Water Dep.) (cont.)

ONuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Plant (Water Dep.)

ONuclide (j)	t=	DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-----									
Am-241									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	4.20E-14	1.45E-05	6.98E-05	5.59E-03	3.75E-02	2.71E-03	
Avg	0.00E+00	0.00E+00	1.40E-16	4.92E-08	2.74E-07	2.06E-05	1.75E-04	2.35E-05	
Std	0.00E+00	0.00E+00	2.42E-15	8.37E-07	4.03E-06	3.22E-04	2.28E-03	1.92E-04	
Np-237									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	5.86E-06	6.45E-01	8.73E-01	1.42E+00	7.28E-01	1.70E+00	
Avg	0.00E+00	0.00E+00	1.95E-08	2.55E-03	1.01E-02	2.84E-02	2.84E-02	2.31E-02	
Std	0.00E+00	0.00E+00	3.38E-07	3.76E-02	7.53E-02	1.27E-01	7.17E-02	1.01E-01	
Pu-239									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	2.99E-16	7.07E-14	2.01E-06	8.45E-06	1.24E-04	
Avg	0.00E+00	0.00E+00	0.00E+00	1.12E-18	2.58E-16	6.89E-09	5.49E-08	1.12E-06	
Std	0.00E+00	0.00E+00	0.00E+00	1.73E-17	4.08E-15	1.16E-07	6.17E-07	8.48E-06	
Ra-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	1.97E-08	9.31E-06	6.26E-09	5.83E-19	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	6.58E-11	3.18E-08	2.17E-11	2.03E-21	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	1.14E-09	5.37E-07	3.61E-10	3.36E-20	0.00E+00	
Tc-99									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	1.07E-08	2.24E-06	1.72E-16	0.00E+00	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	3.56E-11	7.45E-09	5.76E-19	0.00E+00	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	6.15E-10	1.29E-07	9.92E-18	0.00E+00	0.00E+00	
Th-232									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	5.37E-06	2.39E-04	1.06E-03	1.21E-02	2.83E-01	
Avg	0.00E+00	0.00E+00	0.00E+00	1.79E-08	8.40E-07	4.64E-06	1.05E-04	1.70E-03	
Std	0.00E+00	0.00E+00	0.00E+00	3.10E-07	1.38E-05	6.28E-05	9.32E-04	1.82E-02	
U-234									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	3.02E-12	3.26E-08	3.19E-04	1.06E-02	5.51E-01	
Avg	0.00E+00	0.00E+00	0.00E+00	1.20E-14	1.13E-10	1.20E-06	4.75E-05	3.59E-03	
Std	0.00E+00	0.00E+00	0.00E+00	1.77E-13	1.88E-09	1.84E-05	6.18E-04	3.35E-02	
U-235									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	3.92E-04	2.59E-02	3.25E-01	1.33E+00	1.27E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	1.48E-06	9.28E-05	1.22E-03	9.25E-03	3.34E-02	
Std	0.00E+00	0.00E+00	0.00E+00	2.28E-05	1.50E-03	1.88E-02	9.00E-02	1.36E-01	
U-238									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	6.67E-17	1.83E-12	4.25E-09	1.40E-07	1.67E-05	
Avg	0.00E+00	0.00E+00	0.00E+00	2.23E-19	6.09E-15	2.36E-11	6.33E-10	1.18E-07	
Std	0.00E+00	0.00E+00	0.00E+00	3.84E-18	1.05E-13	2.70E-10	8.25E-09	1.08E-06	

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Plant (Water Dep.) (cont.)

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-----									
-ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	5.86E-06	6.45E-01	8.73E-01	1.42E+00	1.36E+00	1.71E+00
Avg		0.00E+00	0.00E+00	1.95E-08	2.55E-03	1.02E-02	2.97E-02	3.80E-02	6.19E-02
Std		0.00E+00	0.00E+00	3.38E-07	3.76E-02	7.53E-02	1.28E-01	1.16E-01	1.72E-01
=====									

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Meat (Water Dep.)

ONuclide (j)	t=	DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	2.28E-16	1.77E-07	1.21E-06	8.72E-05	2.58E-04	2.59E-05	
Avg	0.00E+00	0.00E+00	7.60E-19	8.26E-10	1.18E-08	3.58E-07	1.78E-06	5.94E-07	
Std	0.00E+00	0.00E+00	1.31E-17	1.09E-08	1.10E-07	5.03E-06	1.88E-05	2.06E-06	
Np-237									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	6.86E-08	1.91E-01	3.32E-01	3.65E-01	1.11E-01	9.32E-02	
Avg	0.00E+00	0.00E+00	2.29E-10	7.69E-04	2.61E-03	5.61E-03	4.71E-03	3.65E-03	
Std	0.00E+00	0.00E+00	3.95E-09	1.12E-02	2.48E-02	2.84E-02	1.30E-02	9.29E-03	
Pu-239									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	1.08E-19	2.54E-17	2.06E-08	8.69E-08	1.44E-06	
Avg	0.00E+00	0.00E+00	0.00E+00	4.53E-22	1.22E-19	7.19E-11	6.35E-10	1.49E-08	
Std	0.00E+00	0.00E+00	0.00E+00	6.36E-21	1.52E-18	1.19E-09	6.83E-09	1.04E-07	
Ra-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	5.72E-10	4.84E-07	3.28E-10	3.05E-20	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	1.91E-12	1.64E-09	1.12E-12	1.05E-22	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	3.30E-11	2.79E-08	1.89E-11	1.76E-21	0.00E+00	
Tc-99									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Th-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	3.30E-10	1.18E-07	9.18E-18	0.00E+00	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	1.10E-12	3.94E-10	3.06E-20	0.00E+00	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	1.90E-11	6.82E-09	5.29E-19	0.00E+00	0.00E+00	
Th-232									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	1.84E-07	9.80E-06	4.40E-05	5.40E-04	1.39E-02	
Avg	0.00E+00	0.00E+00	0.00E+00	6.15E-10	3.44E-08	2.21E-07	4.16E-06	7.10E-05	
Std	0.00E+00	0.00E+00	0.00E+00	1.06E-08	5.65E-07	2.77E-06	3.65E-05	8.27E-04	
U-234									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	1.64E-14	8.99E-09	6.70E-06	4.14E-04	1.84E-02	
Avg	0.00E+00	0.00E+00	0.00E+00	7.18E-17	3.00E-11	3.47E-08	2.14E-06	1.75E-04	
Std	0.00E+00	0.00E+00	0.00E+00	9.90E-16	5.18E-10	4.21E-07	2.49E-05	1.46E-03	
U-235									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	1.36E-07	9.45E-06	1.19E-04	5.06E-04	3.01E-03	
Avg	0.00E+00	0.00E+00	0.00E+00	6.01E-10	3.79E-08	6.52E-07	7.30E-06	6.41E-05	
Std	0.00E+00	0.00E+00	0.00E+00	8.22E-09	5.53E-07	7.10E-06	4.41E-05	3.29E-04	
U-238									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	3.63E-19	4.62E-13	4.38E-10	5.91E-09	7.37E-07	
Avg	0.00E+00	0.00E+00	0.00E+00	1.21E-21	1.54E-15	2.62E-12	3.08E-11	5.94E-09	
Std	0.00E+00	0.00E+00	0.00E+00	2.09E-20	2.66E-14	3.17E-11	3.61E-10	5.24E-08	

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Meat (Water Dep.) (cont.)

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-----									
-ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	6.86E-08	1.91E-01	3.32E-01	3.65E-01	1.11E-01	9.32E-02
Avg		0.00E+00	0.00E+00	2.29E-10	7.69E-04	2.61E-03	5.61E-03	4.72E-03	3.96E-03
Std		0.00E+00	0.00E+00	3.95E-09	1.12E-02	2.48E-02	2.84E-02	1.30E-02	9.36E-03
=====									

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Milk (Water Dep.)

ONuclide (j)	t=	DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	1.04E-15	1.14E-07	5.49E-07	7.56E-05	1.74E-04	2.23E-05	
Avg	0.00E+00	0.00E+00	3.47E-18	4.12E-10	2.74E-09	2.67E-07	8.07E-07	1.35E-07	
Std	0.00E+00	0.00E+00	6.00E-17	6.60E-09	3.30E-08	4.36E-06	1.05E-05	1.32E-06	
Np-237									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	1.36E-07	2.54E-02	3.43E-02	7.09E-02	5.80E-03	5.60E-03	
Avg	0.00E+00	0.00E+00	4.52E-10	9.25E-05	3.02E-04	6.91E-04	3.80E-04	2.50E-04	
Std	0.00E+00	0.00E+00	7.81E-09	1.47E-03	2.47E-03	4.71E-03	8.95E-04	5.15E-04	
Pu-239									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	3.17E-18	7.52E-16	2.60E-09	1.09E-08	2.43E-07	
Avg	0.00E+00	0.00E+00	0.00E+00	1.16E-20	2.71E-18	8.82E-12	6.04E-11	1.53E-09	
Std	0.00E+00	0.00E+00	0.00E+00	1.83E-19	4.34E-17	1.50E-10	7.15E-10	1.46E-08	
Ra-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	4.25E-10	2.50E-08	1.68E-11	1.57E-21	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	1.42E-12	1.00E-10	7.37E-14	7.10E-24	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	2.45E-11	1.47E-09	1.02E-12	9.59E-23	0.00E+00	
Tc-99									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	2.30E-10	6.01E-09	4.63E-19	0.00E+00	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	7.66E-13	2.01E-11	1.56E-21	0.00E+00	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	1.32E-11	3.47E-10	2.67E-20	0.00E+00	0.00E+00	
Th-232									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	2.63E-08	2.90E-06	1.63E-05	2.72E-03	2.61E-02	
Avg	0.00E+00	0.00E+00	0.00E+00	8.78E-11	9.93E-09	9.56E-08	1.77E-05	2.12E-04	
Std	0.00E+00	0.00E+00	0.00E+00	1.52E-09	1.67E-07	1.15E-06	2.02E-04	2.08E-03	
U-234									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	2.84E-14	7.10E-08	5.21E-05	3.22E-03	1.43E-01	
Avg	0.00E+00	0.00E+00	0.00E+00	1.05E-16	2.37E-10	1.82E-07	1.21E-05	7.27E-04	
Std	0.00E+00	0.00E+00	0.00E+00	1.65E-15	4.09E-09	3.01E-06	1.86E-04	8.61E-03	
U-235									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	4.16E-06	2.75E-04	3.45E-03	8.56E-03	3.16E-02	
Avg	0.00E+00	0.00E+00	0.00E+00	1.53E-08	9.72E-07	1.27E-05	5.23E-05	3.33E-04	
Std	0.00E+00	0.00E+00	0.00E+00	2.41E-07	1.59E-05	1.99E-04	5.19E-04	2.11E-03	
U-238									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	6.87E-19	4.02E-12	2.90E-09	4.67E-08	5.75E-06	
Avg	0.00E+00	0.00E+00	0.00E+00	2.29E-21	1.34E-14	1.17E-11	1.72E-10	2.55E-08	
Std	0.00E+00	0.00E+00	0.00E+00	3.96E-20	2.32E-13	1.71E-10	2.70E-09	3.37E-07	



Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis

File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Milk (Water Dep.) (cont.)

ONuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	1.36E-07	2.54E-02	3.43E-02	7.09E-02	8.74E-03	1.43E-01
Avg		0.00E+00	0.00E+00	4.52E-10	9.25E-05	3.03E-04	7.04E-04	4.63E-04	1.52E-03
Std		0.00E+00	0.00E+00	7.81E-09	1.47E-03	2.47E-03	4.71E-03	1.07E-03	9.05E-03
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Cumulative Probability	Dose (t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
0.025	6.87E+01	6.87E+01	6.87E+01	6.87E+01	6.87E+01	6.77E+01	6.47E+01	6.58E+01
0.050	7.27E+01	7.27E+01	7.27E+01	7.26E+01	7.26E+01	7.23E+01	7.14E+01	7.42E+01
0.075	7.72E+01	7.70E+01	7.68E+01	7.66E+01	7.71E+01	7.66E+01	7.36E+01	7.88E+01
0.100	8.09E+01	8.09E+01	8.08E+01	8.06E+01	8.03E+01	7.83E+01	7.78E+01	8.06E+01
0.125	8.24E+01	8.24E+01	8.23E+01	8.23E+01	8.22E+01	8.21E+01	8.11E+01	8.33E+01
0.150	8.48E+01	8.48E+01	8.48E+01	8.48E+01	8.44E+01	8.44E+01	8.38E+01	8.63E+01
0.175	8.64E+01	8.64E+01	8.64E+01	8.64E+01	8.64E+01	8.63E+01	8.52E+01	8.88E+01
0.200	8.85E+01	8.85E+01	8.85E+01	8.84E+01	8.83E+01	8.82E+01	8.84E+01	9.00E+01
0.225	9.22E+01	9.22E+01	9.22E+01	9.11E+01	9.21E+01	9.19E+01	8.99E+01	9.41E+01
0.250	9.57E+01	9.58E+01	9.58E+01	9.53E+01	9.52E+01	9.54E+01	9.30E+01	9.81E+01
0.275	9.75E+01	9.73E+01	9.71E+01	9.72E+01	9.73E+01	9.70E+01	9.54E+01	1.00E+02
0.300	1.00E+02	1.00E+02	1.00E+02	1.00E+02	1.00E+02	9.93E+01	9.80E+01	1.02E+02
0.325	1.02E+02	1.02E+02	1.02E+02	1.02E+02	1.02E+02	1.01E+02	1.01E+02	1.05E+02
0.350	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.03E+02	1.03E+02	1.06E+02
0.375	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.09E+02
0.400	1.08E+02	1.08E+02	1.08E+02	1.08E+02	1.08E+02	1.08E+02	1.08E+02	1.12E+02
0.425	1.12E+02	1.12E+02	1.12E+02	1.12E+02	1.12E+02	1.11E+02	1.11E+02	1.15E+02
0.450	1.14E+02	1.14E+02	1.14E+02	1.14E+02	1.14E+02	1.13E+02	1.13E+02	1.17E+02
0.475	1.16E+02	1.16E+02	1.16E+02	1.16E+02	1.16E+02	1.15E+02	1.16E+02	1.19E+02
0.500	1.18E+02	1.18E+02	1.18E+02	1.18E+02	1.17E+02	1.17E+02	1.18E+02	1.23E+02
0.525	1.22E+02	1.22E+02	1.22E+02	1.21E+02	1.21E+02	1.22E+02	1.22E+02	1.26E+02
0.550	1.24E+02	1.24E+02	1.24E+02	1.24E+02	1.24E+02	1.24E+02	1.24E+02	1.29E+02
0.575	1.29E+02	1.29E+02	1.29E+02	1.29E+02	1.29E+02	1.28E+02	1.27E+02	1.32E+02
0.600	1.32E+02	1.32E+02	1.32E+02	1.33E+02	1.32E+02	1.32E+02	1.31E+02	1.34E+02
0.625	1.37E+02	1.37E+02	1.37E+02	1.36E+02	1.37E+02	1.36E+02	1.36E+02	1.38E+02
0.650	1.38E+02	1.38E+02	1.38E+02	1.38E+02	1.38E+02	1.40E+02	1.39E+02	1.42E+02
0.675	1.42E+02	1.42E+02	1.42E+02	1.43E+02	1.43E+02	1.42E+02	1.41E+02	1.45E+02
0.700	1.46E+02	1.46E+02	1.46E+02	1.47E+02	1.47E+02	1.47E+02	1.46E+02	1.52E+02
0.725	1.53E+02	1.53E+02	1.53E+02	1.53E+02	1.53E+02	1.53E+02	1.54E+02	1.55E+02
0.750	1.57E+02	1.57E+02	1.57E+02	1.57E+02	1.57E+02	1.56E+02	1.56E+02	1.63E+02
0.775	1.60E+02	1.60E+02	1.60E+02	1.61E+02	1.61E+02	1.61E+02	1.58E+02	1.66E+02
0.800	1.67E+02	1.67E+02	1.67E+02	1.67E+02	1.68E+02	1.65E+02	1.63E+02	1.72E+02
0.825	1.72E+02	1.73E+02	1.72E+02	1.73E+02	1.75E+02	1.75E+02	1.73E+02	1.79E+02
0.850	1.78E+02	1.78E+02	1.78E+02	1.80E+02	1.81E+02	1.80E+02	1.78E+02	1.89E+02
0.875	1.89E+02	1.89E+02	1.89E+02	1.88E+02	1.88E+02	1.87E+02	1.87E+02	1.93E+02
0.900	2.07E+02	2.07E+02	2.07E+02	2.07E+02	2.06E+02	2.04E+02	2.07E+02	2.14E+02
0.925	2.23E+02	2.23E+02	2.23E+02	2.22E+02	2.23E+02	2.23E+02	2.22E+02	2.28E+02
0.950	2.43E+02	2.43E+02	2.43E+02	2.43E+02	2.43E+02	2.42E+02	2.42E+02	2.55E+02
0.975	2.86E+02	2.86E+02	2.86E+02	2.86E+02	2.86E+02	2.91E+02	2.83E+02	2.81E+02
1.000	4.02E+02	4.02E+02	4.02E+02	4.02E+02	4.01E+02	3.98E+02	3.90E+02	4.46E+02







RESRAD, Version 6.4      T« Limit = 180 days      06/15/2009 16:42 Page 38  
Probabilistic results summary : Hematite - Uniform CSM Sensitivity Analysis  
File : C:\RESRAD\_FAMILY\RESRAD\USERFILES\HEMATITE - UNIFORM CSM SA.RAD  
Peak of the mean dose (averaged over observations) at graphical times

Repetition	Time of peak mean dose Years	Peak mean dose mrem/yr
1	1.000E+03	1.357E+02
2	1.000E+03	1.362E+02
3	1.000E+03	1.373E+02

Coefficients for peak of mean dose time Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	61	-0.21	69	-0.02	20	0.44	21	0.09
Kd of Ac-227 in Unsaturated Zone 1	71	0.15	75	0.02	78	-0.07	78	-0.01
Kd of Ac-227 in Saturated Zone	75	0.13	74	0.02	76	0.07	76	0.01
Kd of Am-241 in Contaminated Zone	37	-0.35	40	-0.06	32	0.33	32	0.06
Kd of Am-241 in Unsaturated Zone 1	21	0.46	7	0.16	28	0.38	28	0.07
Kd of Am-241 in Saturated Zone	58	0.24	11	0.14	82	-0.04	82	-0.01
Kd of Np-237 in Contaminated Zone	15	-0.49	6	-0.17	30	0.35	30	0.07
Kd of Np-237 in Unsaturated Zone 1	34	-0.36	22	-0.08	64	0.13	64	0.02
Kd of Np-237 in Saturated Zone	60	0.22	61	0.03	72	0.09	72	0.02
Kd of Pa-231 in Contaminated Zone	4	-0.70	13	-0.14	7	0.54	6	0.12
Kd of Pa-231 in Unsaturated Zone 1	36	-0.35	4	-0.20	66	0.12	66	0.02
Kd of Pa-231 in Saturated Zone	44	-0.32	48	-0.04	37	0.28	38	0.05
Kd of Pb-210 in Contaminated Zone	6	0.68	8	0.15	6	0.55	7	0.12
Kd of Pb-210 in Unsaturated Zone 1	82	-0.06	78	-0.02	36	0.29	36	0.05
Kd of Pb-210 in Saturated Zone	77	0.11	68	0.02	16	0.46	17	0.09
Kd of Pu-239 in Contaminated Zone	52	-0.28	34	-0.06	45	0.21	45	0.04
Kd of Pu-239 in Unsaturated Zone 1	28	-0.39	28	-0.07	38	-0.28	37	-0.05
Kd of Pu-239 in Saturated Zone	80	-0.09	80	-0.01	49	0.19	49	0.03
Kd of Ra-226 in Contaminated Zone	55	0.25	39	0.06	55	-0.16	55	-0.03
Kd of Ra-226 in Unsaturated Zone 1	42	0.33	36	0.06	87	-0.01	87	0.00
Kd of Ra-226 in Saturated Zone	26	-0.40	29	-0.07	83	-0.03	83	-0.01
Kd of Ra-228 in Contaminated Zone	43	0.32	18	0.10	84	0.03	84	0.01
Kd of Ra-228 in Unsaturated Zone 1	73	0.14	77	0.02	86	0.03	86	0.00
Kd of Ra-228 in Saturated Zone	25	-0.40	24	-0.08	85	-0.03	85	-0.01
Kd of Tc-99 in Saturated Zone	49	0.30	49	0.04	33	0.30	33	0.06
Kd of Th-228 in Contaminated Zone	10	-0.57	37	-0.06	51	0.18	51	0.03
Kd of Th-228 in Unsaturated Zone 1	27	-0.39	14	-0.12	80	0.06	80	0.01
Kd of Th-228 in Saturated Zone	83	-0.05	81	-0.01	71	-0.09	71	-0.02
Kd of Th-229 in Contaminated Zone	78	0.10	82	0.01	18	0.44	19	0.09
Kd of Th-229 in Unsaturated Zone 1	11	-0.55	5	-0.20	10	0.52	10	0.11
Kd of Th-229 in Saturated Zone	86	0.01	87	0.00	48	0.19	48	0.03
Kd of Th-230 in Contaminated Zone	53	0.27	44	0.05	62	-0.14	62	-0.03
Kd of Th-230 in Unsaturated Zone 1	12	-0.54	12	-0.14	23	-0.41	23	-0.08
Kd of Th-230 in Saturated Zone	22	-0.43	30	-0.07	19	-0.44	18	-0.09
Kd of Th-232 in Contaminated Zone	19	0.47	27	0.07	4	0.63	4	0.15
Kd of Th-232 in Unsaturated Zone 1	14	0.51	15	0.11	70	-0.10	70	-0.02
Kd of Th-232 in Saturated Zone	84	-0.04	84	0.00	15	-0.47	15	-0.10
Kd of U-233 in Saturated Zone	64	-0.20	63	-0.03	35	0.29	34	0.06
Kd of U-234 in Saturated Zone	40	0.34	10	0.14	9	0.53	9	0.11
Kd of U-235 in Saturated Zone	63	-0.20	47	-0.04	69	0.10	69	0.02
Kd of U-238 in Saturated Zone	7	0.64	9	0.15	56	0.15	56	0.03
Plant transfer factor for Ac	87	0.01	86	0.00	59	0.15	58	0.03
Meat transfer factor for Ac	68	-0.18	73	-0.02	26	0.39	27	0.07
Milk transfer factor for Ac	38	-0.35	32	-0.07	50	0.18	50	0.03
Fish transfer factor for Ac	16	0.48	25	0.08	40	0.25	40	0.05
Plant transfer factor for Am	47	-0.30	55	-0.04	8	0.54	8	0.11
Meat transfer factor for Am	23	0.43	19	0.09	79	0.06	79	0.01
Milk transfer factor for Am	57	-0.24	56	-0.04	39	-0.28	39	-0.05
Fish transfer factor for Am	79	0.10	76	0.02	61	-0.14	60	-0.03
Plant transfer factor for Pb	66	0.18	58	0.03	25	0.39	25	0.08
Meat transfer factor for Pb	56	0.24	65	0.03	24	-0.40	24	-0.08
Milk transfer factor for Pb	59	0.22	59	0.03	13	0.50	13	0.10
Fish transfer factor for Pb	65	0.19	70	0.02	73	0.08	73	0.01
Plant transfer factor for Np	76	0.11	79	0.02	17	0.46	16	0.09
Meat transfer factor for Np	46	0.31	53	0.04	58	0.15	59	0.03
Milk transfer factor for Np	89	0.00	89	0.00	41	0.24	42	0.04
Fish transfer factor for Np	24	0.40	16	0.11	43	0.23	44	0.04
Plant transfer factor for Pu	62	0.20	71	0.02	46	0.20	46	0.04
Meat transfer factor for Pu	45	-0.32	57	-0.03	57	-0.15	57	-0.03
Milk transfer factor for Pu	88	-0.01	88	0.00	67	-0.11	67	-0.02
Fish transfer factor for Pu	85	0.02	85	0.00	53	-0.17	53	-0.03
Plant transfer factor for Pa	30	0.37	35	0.06	21	0.44	20	0.09
Meat transfer factor for Pa	54	-0.27	62	-0.03	34	-0.30	35	-0.06
Milk transfer factor for Pa	69	-0.18	72	-0.02	29	-0.37	29	-0.07
Fish transfer factor for Pa	41	0.34	26	0.08	68	0.11	68	0.02
Plant transfer factor for Ra	1	0.98	1	0.72	1	0.95	1	0.54
Meat transfer factor for Ra	32	-0.37	31	-0.07	54	-0.16	54	-0.03
Milk transfer factor for Ra	51	-0.29	51	-0.04	44	-0.23	43	-0.04
Fish transfer factor for Ra	74	0.14	60	0.03	77	-0.07	77	-0.01
Plant transfer factor for Tc	3	0.97	3	0.49	3	0.92	3	0.42
Meat transfer factor for Tc	67	0.18	66	0.03	65	0.13	65	0.02
Milk transfer factor for Tc	50	0.29	54	0.04	81	-0.05	81	-0.01
Fish transfer factor for Tc	17	0.48	33	0.06	60	-0.15	61	-0.03
Plant transfer factor for Th	35	0.35	45	0.05	63	-0.14	63	-0.03
Meat transfer factor for Th	70	0.17	67	0.03	11	0.51	11	0.11
Milk transfer factor for Th	9	0.60	23	0.08	88	0.00	88	0.00
Fish transfer factor for Th	33	0.37	42	0.05	89	0.00	89	0.00
Plant transfer factor for U	2	0.98	2	0.51	2	0.94	2	0.50
Meat transfer factor for U	5	0.68	17	0.10	12	0.51	12	0.11
Milk transfer factor for U	29	0.38	43	0.05	5	0.57	5	0.13
Fish transfer factor for U	8	-0.62	21	-0.09	31	-0.34	31	-0.06
Well pumping rate	31	0.37	46	0.05	27	-0.38	26	-0.08
Mass loading for inhalation	81	0.08	83	0.01	47	0.20	47	0.04
Indoor dust filtration factor	20	-0.47	38	-0.06	52	-0.17	52	-0.03
Depth of soil mixing layer	48	-0.30	52	-0.04	75	-0.07	74	-0.01
Depth of roots	18	-0.47	41	-0.05	22	0.43	22	0.09
Wet weight crop yield of fruit, grain and non-leafy vegetables	39	0.34	50	0.04	14	0.48	14	0.10
Weathering removal constant of all vegetation	13	0.53	20	0.09	42	-0.24	41	-0.04
Wet foliar interception fraction of leafy vegetables	72	0.15	64	0.03	74	-0.07	75	-0.01

R-SQUARE 1.00 1.00 0.97 0.97

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak of mean dose time Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	19	0.36	14	0.14	62	-0.15	62	-0.03
Kd of Ac-227 in Unsaturated Zone 1	23	0.34	17	0.12	26	-0.38	26	-0.08
Kd of Ac-227 in Saturated Zone	89	0.01	89	0.00	12	-0.53	11	-0.12
Kd of Am-241 in Contaminated Zone	11	0.41	25	0.10	67	0.12	68	0.02
Kd of Am-241 in Unsaturated Zone 1	47	0.22	9	0.23	29	0.37	29	0.08
Kd of Am-241 in Saturated Zone	74	-0.08	68	-0.03	49	-0.23	50	-0.04
Kd of Np-237 in Contaminated Zone	60	0.17	51	0.05	64	-0.15	64	-0.03
Kd of Np-237 in Unsaturated Zone 1	80	0.05	80	0.01	22	-0.41	22	-0.09
Kd of Np-237 in Saturated Zone	71	0.11	56	0.04	36	0.31	36	0.06
Kd of Pa-231 in Contaminated Zone	20	-0.35	27	-0.09	21	-0.42	21	-0.09
Kd of Pa-231 in Unsaturated Zone 1	34	-0.28	34	-0.07	10	-0.54	10	-0.12
Kd of Pa-231 in Saturated Zone	41	-0.25	45	-0.06	73	-0.10	73	-0.02
Kd of Pb-210 in Contaminated Zone	36	-0.27	11	-0.19	28	0.38	28	0.08
Kd of Pb-210 in Unsaturated Zone 1	64	-0.14	61	-0.04	27	-0.38	27	-0.08
Kd of Pb-210 in Saturated Zone	57	0.18	62	0.04	56	0.18	56	0.04
Kd of Pu-239 in Contaminated Zone	68	-0.13	70	-0.03	53	0.21	53	0.04
Kd of Pu-239 in Unsaturated Zone 1	87	0.01	87	0.00	42	0.28	43	0.05
Kd of Pu-239 in Saturated Zone	14	0.39	6	0.25	20	0.43	20	0.09
Kd of Ra-226 in Contaminated Zone	7	0.49	19	0.12	31	-0.36	30	-0.07
Kd of Ra-226 in Unsaturated Zone 1	63	-0.16	57	-0.04	30	-0.36	31	-0.07
Kd of Ra-226 in Saturated Zone	25	-0.33	4	-0.26	60	0.16	61	0.03
Kd of Ra-228 in Contaminated Zone	42	-0.25	5	-0.26	18	-0.44	19	-0.09
Kd of Ra-228 in Unsaturated Zone 1	46	0.23	48	0.05	51	-0.22	51	-0.04
Kd of Ra-228 in Saturated Zone	73	-0.09	67	-0.03	52	0.21	52	0.04
Kd of Tc-99 in Saturated Zone	6	-0.52	7	-0.24	33	0.34	32	0.07
Kd of Th-228 in Contaminated Zone	58	-0.17	63	-0.04	70	-0.10	70	-0.02
Kd of Th-228 in Unsaturated Zone 1	12	-0.41	20	-0.11	66	-0.13	66	-0.02
Kd of Th-228 in Saturated Zone	43	-0.25	47	-0.06	34	-0.34	34	-0.07
Kd of Th-229 in Contaminated Zone	49	0.21	44	0.06	81	0.04	81	0.01
Kd of Th-229 in Unsaturated Zone 1	66	-0.14	74	-0.02	79	-0.06	79	-0.01
Kd of Th-229 in Saturated Zone	35	0.27	10	0.22	76	-0.07	77	-0.01
Kd of Th-230 in Contaminated Zone	79	-0.05	75	-0.02	86	0.01	86	0.00
Kd of Th-230 in Unsaturated Zone 1	61	-0.17	32	-0.07	54	-0.19	54	-0.04
Kd of Th-230 in Saturated Zone	27	0.32	8	0.24	11	0.53	12	0.11
Kd of Th-232 in Contaminated Zone	69	-0.12	69	-0.03	4	0.68	4	0.17
Kd of Th-232 in Unsaturated Zone 1	18	0.36	36	0.06	75	-0.07	75	-0.01
Kd of Th-232 in Saturated Zone	17	0.36	21	0.11	89	0.01	89	0.00
Kd of U-233 in Saturated Zone	50	-0.21	40	-0.06	59	0.16	59	0.03
Kd of U-234 in Saturated Zone	70	0.11	65	0.03	19	-0.43	18	-0.09
Kd of U-235 in Saturated Zone	78	0.05	79	0.01	5	-0.65	5	-0.16
Kd of U-238 in Saturated Zone	40	-0.25	12	-0.17	85	-0.01	85	0.00
Plant transfer factor for Ac	24	0.34	31	0.08	43	0.28	41	0.06
Meat transfer factor for Ac	53	0.20	50	0.05	69	0.12	67	0.02
Milk transfer factor for Ac	51	0.21	52	0.05	72	-0.10	72	-0.02
Fish transfer factor for Ac	84	-0.03	84	-0.01	32	-0.34	33	-0.07
Plant transfer factor for Am	44	0.24	49	0.05	48	-0.24	48	-0.05
Meat transfer factor for Am	86	-0.03	85	-0.01	71	-0.10	71	-0.02
Milk transfer factor for Am	13	0.41	26	0.09	61	0.16	60	0.03
Fish transfer factor for Am	59	0.17	58	0.04	63	0.15	63	0.03
Plant transfer factor for Pb	85	0.03	82	0.01	84	-0.03	84	0.00
Meat transfer factor for Pb	5	0.53	16	0.12	46	0.25	46	0.05
Milk transfer factor for Pb	31	-0.30	35	-0.07	24	0.39	24	0.08
Fish transfer factor for Pb	45	-0.24	55	-0.05	6	-0.62	6	-0.15
Plant transfer factor for Np	29	0.30	22	0.11	13	0.50	13	0.11
Meat transfer factor for Np	88	-0.01	88	0.00	16	-0.44	16	-0.09
Milk transfer factor for Np	54	0.20	59	0.04	57	0.18	57	0.03
Fish transfer factor for Np	37	-0.26	28	-0.08	87	0.01	87	0.00
Plant transfer factor for Pu	72	-0.11	71	-0.03	65	0.13	65	0.03
Meat transfer factor for Pu	30	-0.30	43	-0.06	40	-0.28	42	-0.05
Milk transfer factor for Pu	33	0.29	46	0.06	74	0.09	74	0.02
Fish transfer factor for Pu	8	0.45	18	0.12	77	-0.07	76	-0.01
Plant transfer factor for Pa	75	-0.08	72	-0.02	17	0.44	17	0.09
Meat transfer factor for Pa	81	0.04	83	0.01	45	0.26	44	0.05
Milk transfer factor for Pa	62	-0.16	66	-0.03	50	-0.23	49	-0.04
Fish transfer factor for Pa	77	0.06	78	0.01	35	0.33	35	0.07
Plant transfer factor for Ra	1	0.98	1	0.73	1	0.96	1	0.65
Meat transfer factor for Ra	15	0.38	24	0.10	14	0.47	14	0.10
Milk transfer factor for Ra	28	-0.30	41	-0.06	88	-0.01	88	0.00
Fish transfer factor for Ra	26	-0.32	38	-0.06	55	0.19	55	0.04
Plant transfer factor for Tc	3	0.69	3	0.31	3	0.77	3	0.23
Meat transfer factor for Tc	22	-0.35	30	-0.08	7	-0.61	7	-0.15
Milk transfer factor for Tc	38	0.26	54	0.05	39	-0.29	39	-0.06
Fish transfer factor for Tc	52	0.21	37	0.06	68	-0.12	69	-0.02
Plant transfer factor for Th	39	-0.25	33	-0.07	23	0.39	23	0.08
Meat transfer factor for Th	48	-0.22	53	-0.05	78	0.06	78	0.01
Milk transfer factor for Th	10	0.45	15	0.13	8	0.59	8	0.14
Fish transfer factor for Th	9	-0.45	23	-0.11	15	-0.45	15	-0.09
Plant transfer factor for U	2	0.88	2	0.40	2	0.92	2	0.46
Meat transfer factor for U	65	0.14	73	0.02	37	0.29	37	0.06
Milk transfer factor for U	21	0.35	42	0.06	9	0.57	9	0.13
Fish transfer factor for U	76	-0.07	77	-0.02	80	-0.05	80	-0.01
Well pumping rate	56	-0.18	60	-0.04	47	-0.25	47	-0.05
Mass loading for inhalation	67	-0.13	76	-0.02	41	0.28	40	0.06
Indoor dust filtration factor	83	0.03	86	0.01	38	0.29	38	0.06
Depth of soil mixing layer	55	-0.19	64	-0.04	58	0.17	58	0.03
Depth of roots	82	0.03	81	0.01	44	0.26	45	0.05
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	-0.38	29	-0.08	83	0.03	83	0.01
Weathering removal constant of all vegetation	4	0.55	13	0.15	82	0.03	82	0.01
Wet foliar interception fraction of leafy vegetables	32	0.30	39	0.06	25	0.39	25	0.08

R-SQUARE 0.99 0.99 0.97 0.97

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.



Coefficients for peak of mean dose time Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	79	-0.05	80	-0.01	75	-0.03	75	-0.01
Kd of Ac-227 in Unsaturated Zone 1	18	-0.30	24	-0.05	33	-0.26	33	-0.05
Kd of Ac-227 in Saturated Zone	36	0.18	45	0.03	50	-0.18	50	-0.03
Kd of Am-241 in Contaminated Zone	86	-0.01	86	0.00	71	0.06	71	0.01
Kd of Am-241 in Unsaturated Zone 1	37	0.18	1	1.87	62	-0.10	61	-0.02
Kd of Am-241 in Saturated Zone	68	0.09	74	0.01	15	-0.42	15	-0.09
Kd of Np-237 in Contaminated Zone	72	-0.08	76	-0.01	78	-0.03	78	0.00
Kd of Np-237 in Unsaturated Zone 1	41	-0.16	46	-0.03	42	0.23	42	0.04
Kd of Np-237 in Saturated Zone	19	0.29	20	0.06	25	0.32	25	0.06
Kd of Pa-231 in Contaminated Zone	4	0.53	8	0.08	34	0.26	34	0.05
Kd of Pa-231 in Unsaturated Zone 1	14	-0.32	12	-0.08	52	0.15	52	0.03
Kd of Pa-231 in Saturated Zone	54	-0.14	47	-0.03	49	-0.19	49	-0.04
Kd of Pb-210 in Contaminated Zone	48	-0.14	57	-0.02	74	0.05	74	0.01
Kd of Pb-210 in Unsaturated Zone 1	32	-0.21	16	-0.06	22	-0.33	22	-0.07
Kd of Pb-210 in Saturated Zone	85	0.02	85	0.00	81	0.02	81	0.00
Kd of Pu-239 in Contaminated Zone	89	0.00	89	0.00	35	0.26	36	0.05
Kd of Pu-239 in Unsaturated Zone 1	44	-0.15	56	-0.02	57	-0.13	57	-0.02
Kd of Pu-239 in Saturated Zone	22	-0.27	27	-0.05	64	-0.09	64	-0.02
Kd of Ra-226 in Contaminated Zone	56	0.13	60	0.02	80	-0.02	80	0.00
Kd of Ra-226 in Unsaturated Zone 1	83	0.03	81	0.01	43	-0.23	43	-0.04
Kd of Ra-226 in Saturated Zone	61	-0.12	52	-0.02	11	-0.43	14	-0.09
Kd of Ra-228 in Contaminated Zone	55	-0.13	53	-0.02	36	-0.26	35	-0.05
Kd of Ra-228 in Unsaturated Zone 1	77	0.07	61	0.02	13	0.42	12	0.09
Kd of Ra-228 in Saturated Zone	87	-0.01	88	0.00	38	0.25	38	0.05
Kd of Tc-99 in Saturated Zone	81	-0.04	82	0.00	59	0.11	59	0.02
Kd of Th-228 in Contaminated Zone	49	-0.14	55	-0.02	17	0.40	17	0.08
Kd of Th-228 in Unsaturated Zone 1	62	-0.12	37	-0.04	68	0.08	68	0.02
Kd of Th-228 in Saturated Zone	5	-0.52	7	-0.09	83	-0.02	83	0.00
Kd of Th-229 in Contaminated Zone	59	0.12	65	0.02	63	0.10	63	0.02
Kd of Th-229 in Unsaturated Zone 1	13	0.33	25	0.05	70	0.07	70	0.01
Kd of Th-229 in Saturated Zone	34	-0.19	41	-0.04	19	-0.35	19	-0.07
Kd of Th-230 in Contaminated Zone	73	-0.08	71	-0.01	82	0.02	82	0.00
Kd of Th-230 in Unsaturated Zone 1	57	-0.13	68	-0.02	10	-0.46	10	-0.10
Kd of Th-230 in Saturated Zone	47	0.14	28	0.04	26	-0.30	26	-0.06
Kd of Th-232 in Contaminated Zone	7	0.47	6	0.11	4	0.59	4	0.13
Kd of Th-232 in Unsaturated Zone 1	39	-0.17	2	-1.80	6	-0.51	6	-0.11
Kd of Th-232 in Saturated Zone	75	0.08	77	0.01	54	0.15	54	0.03
Kd of U-233 in Saturated Zone	65	-0.11	66	-0.02	21	0.34	21	0.07
Kd of U-234 in Saturated Zone	88	0.01	87	0.00	9	0.48	9	0.10
Kd of U-235 in Saturated Zone	20	0.28	10	0.08	23	0.33	23	0.07
Kd of U-238 in Saturated Zone	58	-0.13	35	-0.04	79	-0.02	79	0.00
Plant transfer factor for Ac	52	-0.14	44	-0.03	37	0.25	37	0.05
Meat transfer factor for Ac	29	0.24	32	0.04	69	0.07	69	0.01
Milk transfer factor for Ac	45	0.15	54	0.02	27	-0.29	27	-0.06
Fish transfer factor for Ac	15	0.32	11	0.08	14	0.42	13	0.09
Plant transfer factor for Am	6	-0.49	9	-0.08	66	0.09	66	0.02
Meat transfer factor for Am	53	0.14	49	0.03	44	-0.22	45	-0.04
Milk transfer factor for Am	84	-0.03	79	-0.01	86	-0.01	86	0.00
Fish transfer factor for Am	11	0.36	18	0.06	20	0.34	20	0.07
Plant transfer factor for Pb	66	0.11	48	0.03	89	0.00	89	0.00
Meat transfer factor for Pb	50	0.14	51	0.02	85	-0.01	85	0.00
Milk transfer factor for Pb	27	0.24	34	0.04	32	0.27	29	0.05
Fish transfer factor for Pb	43	0.16	63	0.02	8	-0.49	8	-0.10
Plant transfer factor for Np	76	0.07	75	0.01	41	0.23	41	0.04
Meat transfer factor for Np	25	-0.26	42	-0.04	87	-0.01	87	0.00
Milk transfer factor for Np	46	-0.15	38	-0.04	56	-0.13	56	-0.03
Fish transfer factor for Np	33	-0.20	23	-0.05	51	-0.18	51	-0.03
Plant transfer factor for Pu	63	0.12	62	0.02	72	0.05	72	0.01
Meat transfer factor for Pu	67	-0.10	73	-0.01	16	0.41	16	0.08
Milk transfer factor for Pu	24	0.26	31	0.04	30	-0.28	31	-0.05
Fish transfer factor for Pu	8	-0.44	19	-0.06	55	0.15	55	0.03
Plant transfer factor for Pa	51	0.14	59	0.02	47	0.22	47	0.04
Meat transfer factor for Pa	38	0.17	33	0.04	77	-0.03	77	-0.01
Milk transfer factor for Pa	60	0.12	50	0.03	76	0.03	76	0.01
Fish transfer factor for Pa	9	-0.41	17	-0.06	28	0.29	28	0.06
Plant transfer factor for Ra	1	0.96	3	0.79	1	0.96	1	0.67
Meat transfer factor for Ra	10	0.39	13	0.08	65	-0.09	65	-0.02
Milk transfer factor for Ra	26	0.24	39	0.04	18	0.39	18	0.08
Fish transfer factor for Ra	82	0.03	84	0.00	40	0.24	39	0.05
Plant transfer factor for Tc	3	0.87	5	0.28	3	0.84	3	0.30
Meat transfer factor for Tc	70	0.09	67	0.02	48	-0.21	48	-0.04
Milk transfer factor for Tc	16	-0.31	26	-0.05	88	-0.01	88	0.00
Fish transfer factor for Tc	35	0.18	36	0.04	58	0.11	58	0.02
Plant transfer factor for Th	28	0.24	40	0.04	5	0.55	5	0.12
Meat transfer factor for Th	30	-0.23	14	-0.08	67	0.08	67	0.02
Milk transfer factor for Th	17	0.30	21	0.05	46	-0.22	44	-0.04
Fish transfer factor for Th	40	0.16	58	0.02	12	-0.42	11	-0.09
Plant transfer factor for U	2	0.96	4	0.53	2	0.94	2	0.52
Meat transfer factor for U	12	0.34	15	0.07	29	0.28	30	0.05
Milk transfer factor for U	31	0.23	30	0.04	84	0.01	84	0.00
Fish transfer factor for U	23	-0.27	22	-0.05	73	-0.05	73	-0.01
Well pumping rate	69	0.09	72	0.01	53	-0.15	53	-0.03
Mass loading for inhalation	74	0.08	70	0.02	31	-0.27	32	-0.05
Indoor dust filtration factor	71	0.09	69	0.02	61	-0.10	62	-0.02
Depth of soil mixing layer	78	-0.05	78	-0.01	24	-0.33	24	-0.06
Depth of roots	21	-0.27	29	-0.04	60	-0.10	60	-0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	64	0.11	64	0.02	7	-0.51	7	-0.11
Weathering removal constant of all vegetation	42	-0.16	43	-0.04	39	0.24	40	0.05
Wet foliar interception fraction of leafy vegetables	80	0.04	83	0.00	45	-0.22	46	-0.04

R-SQUARE 0.99 0.99 0.97 0.97

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak All Pathways Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	69	-0.06	72	-0.01	56	0.11	56	0.02
Kd of Ac-227 in Unsaturated Zone 1	61	0.11	65	0.01	20	-0.31	20	-0.07
Kd of Ac-227 in Saturated Zone	5	0.62	9	0.10	34	0.23	35	0.05
Kd of Am-241 in Contaminated Zone	23	-0.30	25	-0.04	51	0.13	53	0.03
Kd of Am-241 in Unsaturated Zone 1	40	0.19	20	0.05	86	0.01	86	0.00
Kd of Am-241 in Saturated Zone	65	0.08	26	0.04	27	-0.26	28	-0.05
Kd of Np-237 in Contaminated Zone	8	-0.49	4	-0.15	77	0.05	77	0.01
Kd of Np-237 in Unsaturated Zone 1	45	-0.18	32	-0.03	53	-0.13	54	-0.03
Kd of Np-237 in Saturated Zone	44	-0.18	52	-0.02	28	-0.26	27	-0.05
Kd of Pa-231 in Contaminated Zone	52	-0.15	56	-0.02	29	0.26	29	0.05
Kd of Pa-231 in Unsaturated Zone 1	36	-0.23	7	-0.10	68	0.08	68	0.02
Kd of Pa-231 in Saturated Zone	38	0.21	46	0.02	21	0.29	21	0.06
Kd of Pb-210 in Contaminated Zone	15	0.36	17	0.05	80	0.04	80	0.01
Kd of Pb-210 in Unsaturated Zone 1	10	0.48	6	0.11	44	0.18	44	0.04
Kd of Pb-210 in Saturated Zone	66	0.08	59	0.01	36	0.22	37	0.05
Kd of Pu-239 in Contaminated Zone	47	-0.17	34	-0.03	58	-0.10	58	-0.02
Kd of Pu-239 in Unsaturated Zone 1	9	0.49	12	0.08	32	0.24	31	0.05
Kd of Pu-239 in Saturated Zone	76	-0.04	73	-0.01	78	-0.05	78	-0.01
Kd of Ra-226 in Contaminated Zone	33	0.25	21	0.05	45	-0.18	45	-0.04
Kd of Ra-226 in Unsaturated Zone 1	87	-0.01	87	0.00	48	-0.14	48	-0.03
Kd of Ra-226 in Saturated Zone	68	-0.07	67	-0.01	46	0.16	46	0.03
Kd of Ra-228 in Contaminated Zone	17	0.35	10	0.09	83	-0.03	83	-0.01
Kd of Ra-228 in Unsaturated Zone 1	72	-0.06	74	-0.01	42	0.19	42	0.04
Kd of Ra-228 in Saturated Zone	11	-0.47	11	-0.08	81	-0.04	81	-0.01
Kd of Tc-99 in Saturated Zone	21	-0.33	27	-0.04	8	0.45	8	0.10
Kd of Th-228 in Contaminated Zone	86	-0.02	86	0.00	31	-0.25	32	-0.05
Kd of Th-228 in Unsaturated Zone 1	29	-0.27	14	-0.07	57	0.10	57	0.02
Kd of Th-228 in Saturated Zone	41	-0.19	24	-0.04	84	-0.02	84	0.00
Kd of Th-229 in Contaminated Zone	25	-0.29	38	-0.03	25	0.28	24	0.06
Kd of Th-229 in Unsaturated Zone 1	63	-0.09	47	-0.02	11	0.40	10	0.09
Kd of Th-229 in Saturated Zone	75	0.04	80	0.00	67	-0.08	67	-0.02
Kd of Th-230 in Contaminated Zone	34	0.24	30	0.03	85	-0.01	85	0.00
Kd of Th-230 in Unsaturated Zone 1	85	0.02	79	0.00	89	0.00	89	0.00
Kd of Th-230 in Saturated Zone	20	-0.33	23	-0.04	54	-0.12	52	-0.03
Kd of Th-232 in Contaminated Zone	84	0.02	85	0.00	26	-0.26	26	-0.06
Kd of Th-232 in Unsaturated Zone 1	32	0.26	22	0.04	40	0.20	40	0.04
Kd of Th-232 in Saturated Zone	60	0.12	60	0.01	30	-0.25	30	-0.05
Kd of U-233 in Saturated Zone	62	0.11	63	0.01	49	0.13	49	0.03
Kd of U-234 in Saturated Zone	49	0.16	18	0.05	9	0.45	9	0.10
Kd of U-235 in Saturated Zone	74	-0.05	66	-0.01	15	0.35	15	0.08
Kd of U-238 in Saturated Zone	6	0.58	8	0.10	76	-0.06	76	-0.01
Plant transfer factor for Ac	89	0.00	89	0.00	19	0.31	19	0.07
Meat transfer factor for Ac	31	0.26	43	0.03	82	0.04	82	0.01
Milk transfer factor for Ac	57	-0.13	53	-0.02	72	0.07	72	0.01
Fish transfer factor for Ac	78	-0.04	75	0.00	71	0.07	71	0.01
Plant transfer factor for Am	64	0.08	68	0.01	18	0.33	18	0.07
Meat transfer factor for Am	56	0.14	48	0.02	73	-0.06	73	-0.01
Milk transfer factor for Am	88	0.01	88	0.00	10	-0.41	11	-0.09
Fish transfer factor for Am	55	0.14	54	0.02	37	-0.22	36	-0.05
Plant transfer factor for Pb	16	-0.36	16	-0.06	88	0.00	88	0.00
Meat transfer factor for Pb	35	-0.23	50	-0.02	12	-0.38	12	-0.09
Milk transfer factor for Pb	73	0.05	71	0.01	6	0.52	6	0.12
Fish transfer factor for Pb	26	-0.27	39	-0.03	79	0.04	79	0.01
Plant transfer factor for Np	37	0.22	45	0.02	39	0.21	38	0.04
Meat transfer factor for Np	59	0.12	64	0.01	75	-0.06	75	-0.01
Milk transfer factor for Np	30	0.26	42	0.03	87	0.01	87	0.00
Fish transfer factor for Np	22	0.30	15	0.06	24	0.28	25	0.06
Plant transfer factor for Pu	82	-0.03	83	0.00	55	-0.12	55	-0.02
Meat transfer factor for Pu	81	-0.04	84	0.00	47	-0.14	47	-0.03
Milk transfer factor for Pu	70	0.06	70	0.01	63	-0.09	63	-0.02
Fish transfer factor for Pu	71	0.06	78	0.00	23	-0.28	23	-0.06
Plant transfer factor for Pa	50	0.16	51	0.02	74	0.06	74	0.01
Meat transfer factor for Pa	19	-0.34	36	-0.03	62	-0.10	62	-0.02
Milk transfer factor for Pa	42	-0.18	55	-0.02	14	-0.36	14	-0.08
Fish transfer factor for Pa	83	-0.03	77	0.00	70	-0.07	70	-0.01
Plant transfer factor for Ra	1	0.99	1	0.70	1	0.94	1	0.58
Meat transfer factor for Ra	43	0.18	44	0.03	65	0.09	65	0.02
Milk transfer factor for Ra	28	-0.27	37	-0.03	16	-0.35	16	-0.08
Fish transfer factor for Ra	48	0.16	35	0.03	50	0.13	51	0.03
Plant transfer factor for Tc	3	0.98	3	0.51	3	0.90	3	0.42
Meat transfer factor for Tc	46	0.18	49	0.02	13	0.37	13	0.08
Milk transfer factor for Tc	27	0.27	41	0.03	61	0.10	61	0.02
Fish transfer factor for Tc	80	-0.04	82	0.00	60	-0.10	60	-0.02
Plant transfer factor for Th	51	0.15	58	0.02	41	0.20	41	0.04
Meat transfer factor for Th	77	-0.04	76	0.00	69	0.07	69	0.01
Milk transfer factor for Th	14	0.37	28	0.04	38	0.21	39	0.04
Fish transfer factor for Th	53	-0.15	57	-0.02	52	-0.13	50	-0.03
Plant transfer factor for U	2	0.99	2	0.51	2	0.93	2	0.51
Meat transfer factor for U	4	0.78	5	0.12	7	0.51	7	0.12
Milk transfer factor for U	12	0.47	19	0.05	4	0.63	4	0.17
Fish transfer factor for U	18	-0.35	31	-0.03	66	-0.08	66	-0.02
Well pumping rate	67	-0.08	69	-0.01	33	-0.23	33	-0.05
Mass loading for inhalation	54	-0.14	62	-0.01	35	0.23	34	0.05
Indoor dust filtration factor	24	-0.30	40	-0.03	59	0.10	59	0.02
Depth of soil mixing layer	58	-0.13	61	-0.01	64	0.09	64	0.02
Depth of roots	13	-0.39	29	-0.03	5	0.55	5	0.14
Wet weight crop yield of fruit, grain and non-leafy vegetables	79	0.04	81	0.00	22	0.29	22	0.06
Weathering removal constant of all vegetation	7	0.52	13	0.07	43	-0.19	43	-0.04
Wet foliar interception fraction of leafy vegetables	39	-0.20	33	-0.03	17	-0.33	17	-0.07

R-SQUARE 1.00 1.00 0.96 0.96

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 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak All Pathways Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	79	0.04	77	0.01	31	-0.39	32	-0.06
Kd of Ac-227 in Unsaturated Zone 1	55	0.15	50	0.02	41	-0.33	42	-0.05
Kd of Ac-227 in Saturated Zone	22	-0.37	41	-0.03	26	-0.43	29	-0.07
Kd of Am-241 in Contaminated Zone	40	0.24	48	0.02	53	0.27	53	0.04
Kd of Am-241 in Unsaturated Zone 1	44	0.22	6	0.11	12	0.58	12	0.11
Kd of Am-241 in Saturated Zone	57	-0.15	47	-0.02	22	-0.45	22	-0.08
Kd of Np-237 in Contaminated Zone	23	-0.36	20	-0.05	43	-0.33	43	-0.05
Kd of Np-237 in Unsaturated Zone 1	46	0.19	58	0.02	21	-0.48	21	-0.08
Kd of Np-237 in Saturated Zone	27	-0.34	12	-0.07	60	0.20	59	0.03
Kd of Pa-231 in Contaminated Zone	34	-0.30	38	-0.03	24	-0.44	24	-0.07
Kd of Pa-231 in Unsaturated Zone 1	59	-0.14	61	-0.02	13	-0.57	13	-0.10
Kd of Pa-231 in Saturated Zone	16	0.40	29	0.05	81	0.09	81	0.01
Kd of Pb-210 in Contaminated Zone	54	0.16	23	0.05	54	0.27	54	0.04
Kd of Pb-210 in Unsaturated Zone 1	14	-0.44	13	-0.07	19	-0.51	19	-0.09
Kd of Pb-210 in Saturated Zone	5	0.67	8	0.09	36	0.35	36	0.06
Kd of Pu-239 in Contaminated Zone	17	-0.40	30	-0.05	82	0.07	82	0.01
Kd of Pu-239 in Unsaturated Zone 1	75	-0.05	73	-0.01	40	0.33	41	0.05
Kd of Pu-239 in Saturated Zone	13	0.44	4	0.14	11	0.61	11	0.12
Kd of Ra-226 in Contaminated Zone	12	0.45	24	0.05	42	-0.33	40	-0.05
Kd of Ra-226 in Unsaturated Zone 1	28	0.34	27	0.05	6	-0.64	6	-0.12
Kd of Ra-226 in Saturated Zone	62	0.13	26	0.05	77	0.11	78	0.02
Kd of Ra-228 in Contaminated Zone	45	-0.20	7	-0.09	52	-0.27	52	-0.04
Kd of Ra-228 in Unsaturated Zone 1	66	0.10	66	0.01	18	-0.51	17	-0.09
Kd of Ra-228 in Saturated Zone	25	0.35	17	0.06	34	0.37	34	0.06
Kd of Tc-99 in Saturated Zone	31	-0.31	16	-0.06	35	0.36	35	0.06
Kd of Th-228 in Contaminated Zone	77	-0.04	79	0.00	67	-0.17	67	-0.03
Kd of Th-228 in Unsaturated Zone 1	30	-0.31	31	-0.04	33	-0.38	33	-0.06
Kd of Th-228 in Saturated Zone	64	0.11	68	0.01	64	-0.19	64	-0.03
Kd of Th-229 in Contaminated Zone	11	0.45	15	0.06	79	-0.09	79	-0.01
Kd of Th-229 in Unsaturated Zone 1	86	-0.01	86	0.00	55	-0.26	55	-0.04
Kd of Th-229 in Saturated Zone	84	-0.02	72	-0.01	89	-0.01	89	0.00
Kd of Th-230 in Contaminated Zone	37	0.27	21	0.05	47	-0.29	48	-0.05
Kd of Th-230 in Unsaturated Zone 1	38	-0.26	22	-0.05	62	-0.20	62	-0.03
Kd of Th-230 in Saturated Zone	71	-0.07	51	-0.02	66	0.18	66	0.03
Kd of Th-232 in Contaminated Zone	88	0.00	88	0.00	74	0.13	75	0.02
Kd of Th-232 in Unsaturated Zone 1	87	0.01	87	0.00	51	-0.28	51	-0.04
Kd of Th-232 in Saturated Zone	85	0.02	84	0.00	70	-0.15	70	-0.02
Kd of U-233 in Saturated Zone	89	0.00	89	0.00	69	0.15	69	0.02
Kd of U-234 in Saturated Zone	60	-0.14	53	-0.02	20	-0.49	20	-0.09
Kd of U-235 in Saturated Zone	72	-0.06	75	-0.01	7	-0.63	7	-0.12
Kd of U-238 in Saturated Zone	24	-0.35	5	-0.11	86	-0.05	86	-0.01
Plant transfer factor for Ac	48	0.19	55	0.02	71	0.14	71	0.02
Meat transfer factor for Ac	61	-0.13	60	-0.02	58	0.23	58	0.04
Milk transfer factor for Ac	43	0.23	45	0.02	88	-0.04	88	-0.01
Fish transfer factor for Ac	39	-0.25	39	-0.03	25	-0.43	26	-0.07
Plant transfer factor for Am	52	0.18	56	0.02	37	-0.34	37	-0.06
Meat transfer factor for Am	74	0.06	76	0.01	84	0.06	84	0.01
Milk transfer factor for Am	42	-0.23	52	-0.02	44	-0.32	44	-0.05
Fish transfer factor for Am	35	0.29	37	0.04	76	0.11	76	0.02
Plant transfer factor for Pb	50	0.18	44	0.03	32	-0.39	31	-0.07
Meat transfer factor for Pb	4	0.67	10	0.08	83	0.06	83	0.01
Milk transfer factor for Pb	9	-0.49	18	-0.06	46	0.30	46	0.05
Fish transfer factor for Pb	19	-0.39	35	-0.04	10	-0.61	10	-0.12
Plant transfer factor for Np	10	0.47	9	0.09	27	0.43	25	0.07
Meat transfer factor for Np	47	-0.19	54	-0.02	8	-0.62	8	-0.12
Milk transfer factor for Np	81	0.03	82	0.00	85	0.05	85	0.01
Fish transfer factor for Np	51	-0.18	43	-0.03	61	0.20	61	0.03
Plant transfer factor for Pu	63	0.12	63	0.01	78	-0.11	77	-0.02
Meat transfer factor for Pu	36	-0.27	46	-0.02	59	-0.20	60	-0.03
Milk transfer factor for Pu	33	0.30	42	0.03	28	0.43	28	0.07
Fish transfer factor for Pu	56	0.15	59	0.02	29	-0.43	27	-0.07
Plant transfer factor for Pa	70	-0.07	67	-0.01	45	0.31	45	0.05
Meat transfer factor for Pa	80	-0.03	83	0.00	50	0.29	50	0.05
Milk transfer factor for Pa	76	-0.04	80	0.00	49	-0.29	49	-0.05
Fish transfer factor for Pa	69	0.09	71	0.01	57	0.24	57	0.04
Plant transfer factor for Ra	1	0.99	1	0.74	1	0.97	1	0.65
Meat transfer factor for Ra	32	0.31	33	0.04	30	0.40	30	0.07
Milk transfer factor for Ra	65	0.10	70	0.01	75	0.13	74	0.02
Fish transfer factor for Ra	53	0.16	64	0.01	63	0.19	63	0.03
Plant transfer factor for Tc	3	0.91	3	0.33	3	0.89	3	0.29
Meat transfer factor for Tc	49	-0.19	57	-0.02	4	-0.67	4	-0.14
Milk transfer factor for Tc	26	0.35	40	0.03	56	-0.26	56	-0.04
Fish transfer factor for Tc	68	0.09	65	0.01	9	-0.62	9	-0.12
Plant transfer factor for Th	78	-0.04	78	-0.01	38	0.34	38	0.06
Meat transfer factor for Th	41	-0.24	49	-0.02	80	0.09	80	0.01
Milk transfer factor for Th	15	0.42	19	0.06	5	0.66	5	0.13
Fish transfer factor for Th	6	-0.62	11	-0.08	16	-0.52	16	-0.09
Plant transfer factor for U	2	0.98	2	0.46	2	0.96	2	0.51
Meat transfer factor for U	7	0.62	14	0.07	23	0.44	23	0.08
Milk transfer factor for U	8	0.53	25	0.05	15	0.54	14	0.10
Fish transfer factor for U	73	-0.06	74	-0.01	87	-0.05	87	-0.01
Well pumping rate	18	0.39	28	0.05	68	0.15	68	0.02
Mass loading for inhalation	83	0.02	85	0.00	39	0.34	39	0.05
Indoor dust filtration factor	58	0.15	62	0.01	14	0.54	15	0.10
Depth of soil mixing layer	21	-0.38	36	-0.04	72	0.14	72	0.02
Depth of roots	82	0.03	81	0.00	17	0.51	18	0.09
Wet weight crop yield of fruit, grain and non-leafy vegetables	20	-0.38	34	-0.04	73	-0.13	73	-0.02
Weathering removal constant of all vegetation	29	0.33	32	0.04	65	0.18	65	0.03
Wet foliar interception fraction of leafy vegetables	67	-0.10	69	-0.01	48	0.29	47	0.05

R-SQUARE 1.00 1.00 0.98 0.98

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak All Pathways Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	34	-0.28	45	-0.03	71	-0.07	71	-0.01
Kd of Ac-227 in Unsaturated Zone 1	51	-0.18	51	-0.02	22	-0.32	22	-0.07
Kd of Ac-227 in Saturated Zone	56	-0.16	53	-0.02	49	-0.18	49	-0.04
Kd of Am-241 in Contaminated Zone	50	-0.19	50	-0.02	74	0.05	74	0.01
Kd of Am-241 in Unsaturated Zone 1	29	0.32	1	2.83	70	0.07	70	0.01
Kd of Am-241 in Saturated Zone	61	0.12	71	0.01	21	-0.32	21	-0.07
Kd of Np-237 in Contaminated Zone	69	0.10	73	0.01	29	-0.27	28	-0.06
Kd of Np-237 in Unsaturated Zone 1	84	0.03	83	0.00	83	0.03	83	0.01
Kd of Np-237 in Saturated Zone	30	0.32	25	0.05	48	0.19	48	0.04
Kd of Pa-231 in Contaminated Zone	6	0.57	12	0.07	52	0.15	52	0.03
Kd of Pa-231 in Unsaturated Zone 1	31	-0.31	16	-0.06	36	0.24	37	0.05
Kd of Pa-231 in Saturated Zone	40	-0.25	30	-0.05	17	-0.36	17	-0.08
Kd of Pb-210 in Contaminated Zone	49	-0.19	56	-0.02	87	0.00	87	0.00
Kd of Pb-210 in Unsaturated Zone 1	68	-0.10	52	-0.02	24	-0.32	24	-0.07
Kd of Pb-210 in Saturated Zone	66	-0.10	66	-0.01	67	0.09	67	0.02
Kd of Pu-239 in Contaminated Zone	82	0.03	80	0.01	77	0.05	77	0.01
Kd of Pu-239 in Unsaturated Zone 1	71	-0.08	74	-0.01	62	-0.10	62	-0.02
Kd of Pu-239 in Saturated Zone	57	-0.14	61	-0.02	63	-0.10	63	-0.02
Kd of Ra-226 in Contaminated Zone	75	0.06	76	0.01	55	-0.14	56	-0.03
Kd of Ra-226 in Unsaturated Zone 1	10	0.47	14	0.07	37	-0.24	36	-0.05
Kd of Ra-226 in Saturated Zone	17	-0.37	23	-0.06	13	-0.39	14	-0.08
Kd of Ra-228 in Contaminated Zone	41	0.24	39	0.03	26	-0.30	27	-0.06
Kd of Ra-228 in Unsaturated Zone 1	11	0.47	9	0.12	16	0.37	16	0.08
Kd of Ra-228 in Saturated Zone	63	0.11	67	0.01	33	0.25	34	0.05
Kd of Tc-99 in Saturated Zone	74	-0.06	79	-0.01	82	-0.03	82	-0.01
Kd of Th-228 in Contaminated Zone	39	-0.25	41	-0.03	9	0.41	9	0.09
Kd of Th-228 in Unsaturated Zone 1	64	0.11	43	0.03	32	0.26	32	0.05
Kd of Th-228 in Saturated Zone	35	-0.27	36	-0.03	45	0.20	43	0.04
Kd of Th-229 in Contaminated Zone	87	0.02	87	0.00	89	0.00	89	0.00
Kd of Th-229 in Unsaturated Zone 1	22	0.34	32	0.04	86	0.01	86	0.00
Kd of Th-229 in Saturated Zone	53	-0.16	46	-0.03	20	-0.33	20	-0.07
Kd of Th-230 in Contaminated Zone	58	0.13	62	0.02	38	-0.24	39	-0.05
Kd of Th-230 in Unsaturated Zone 1	42	-0.23	49	-0.02	15	-0.38	15	-0.08
Kd of Th-230 in Saturated Zone	73	0.08	60	0.02	39	-0.24	38	-0.05
Kd of Th-232 in Contaminated Zone	36	0.27	27	0.05	8	0.42	8	0.09
Kd of Th-232 in Unsaturated Zone 1	32	-0.31	2	-2.71	27	-0.30	26	-0.06
Kd of Th-232 in Saturated Zone	48	0.19	57	0.02	75	-0.05	76	-0.01
Kd of U-233 in Saturated Zone	83	-0.03	86	0.00	19	0.34	19	0.07
Kd of U-234 in Saturated Zone	89	0.00	89	0.00	4	0.54	4	0.13
Kd of U-235 in Saturated Zone	5	0.63	7	0.19	11	0.39	11	0.09
Kd of U-238 in Saturated Zone	14	-0.40	10	-0.11	85	0.01	85	0.00
Plant transfer factor for Ac	86	0.02	85	0.00	43	0.20	44	0.04
Meat transfer factor for Ac	52	0.18	48	0.03	47	0.20	47	0.04
Milk transfer factor for Ac	62	0.12	70	0.01	23	-0.32	23	-0.07
Fish transfer factor for Ac	54	0.16	40	0.03	18	0.35	18	0.07
Plant transfer factor for Am	8	-0.50	15	-0.07	56	0.14	55	0.03
Meat transfer factor for Am	85	-0.03	81	0.00	64	-0.10	64	-0.02
Milk transfer factor for Am	88	0.00	88	0.00	46	0.20	46	0.04
Fish transfer factor for Am	67	-0.10	68	-0.01	42	0.21	42	0.04
Plant transfer factor for Pb	38	0.26	19	0.06	65	-0.09	65	-0.02
Meat transfer factor for Pb	27	0.33	26	0.05	76	-0.05	75	-0.01
Milk transfer factor for Pb	24	0.33	29	0.05	10	0.40	10	0.09
Fish transfer factor for Pb	3	0.92	6	0.20	30	-0.27	30	-0.05
Plant transfer factor for Np	55	0.16	59	0.02	50	0.17	50	0.03
Meat transfer factor for Np	23	-0.34	33	-0.04	61	-0.11	61	-0.02
Milk transfer factor for Np	72	0.08	64	0.02	79	0.04	79	0.01
Fish transfer factor for Np	13	-0.43	11	-0.10	73	-0.06	73	-0.01
Plant transfer factor for Pu	45	0.21	44	0.03	72	-0.06	72	-0.01
Meat transfer factor for Pu	44	0.21	55	0.02	5	0.50	5	0.11
Milk transfer factor for Pu	47	0.20	47	0.03	34	-0.25	35	-0.05
Fish transfer factor for Pu	16	-0.38	34	-0.04	58	0.13	58	0.03
Plant transfer factor for Pa	76	-0.05	78	-0.01	54	0.15	54	0.03
Meat transfer factor for Pa	77	-0.05	72	-0.01	84	0.03	84	0.01
Milk transfer factor for Pa	20	-0.35	13	-0.07	51	-0.17	51	-0.03
Fish transfer factor for Pa	9	-0.48	17	-0.06	25	0.31	25	0.06
Plant transfer factor for Ra	2	0.97	3	0.78	1	0.96	1	0.66
Meat transfer factor for Ra	33	0.30	31	0.05	80	0.04	80	0.01
Milk transfer factor for Ra	37	0.26	38	0.03	14	0.38	13	0.08
Fish transfer factor for Ra	79	-0.05	84	0.00	35	0.25	33	0.05
Plant transfer factor for Tc	4	0.90	5	0.27	3	0.84	3	0.32
Meat transfer factor for Tc	18	0.36	21	0.06	59	-0.13	59	-0.03
Milk transfer factor for Tc	60	-0.12	65	-0.01	78	-0.04	78	-0.01
Fish transfer factor for Tc	80	0.04	75	0.01	81	-0.04	81	-0.01
Plant transfer factor for Th	78	-0.05	77	-0.01	6	0.49	6	0.11
Meat transfer factor for Th	7	-0.50	8	-0.14	88	0.00	88	0.00
Milk transfer factor for Th	26	0.33	28	0.05	40	-0.23	40	-0.05
Fish transfer factor for Th	28	0.32	37	0.03	41	-0.21	41	-0.05
Plant transfer factor for U	1	0.97	4	0.52	2	0.94	2	0.52
Meat transfer factor for U	19	0.36	22	0.06	28	0.27	29	0.06
Milk transfer factor for U	15	0.39	18	0.06	68	0.08	68	0.02
Fish transfer factor for U	21	-0.35	24	-0.06	60	-0.11	60	-0.02
Well pumping rate	46	0.21	54	0.02	69	-0.07	69	-0.01
Mass loading for inhalation	43	-0.22	35	-0.04	31	-0.26	31	-0.05
Indoor dust filtration factor	70	0.09	69	0.01	66	-0.09	66	-0.02
Depth of soil mixing layer	81	0.04	82	0.00	57	-0.14	57	-0.03
Depth of roots	12	-0.44	20	-0.06	53	-0.15	53	-0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	59	0.13	63	0.02	7	-0.43	7	-0.09
Weathering removal constant of all vegetation	65	-0.11	58	-0.02	12	0.39	12	0.08
Wet foliar interception fraction of leafy vegetables	25	0.33	42	0.03	44	-0.20	45	-0.04

R-SQUARE 1.00 1.00 0.96 0.96

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak External Ground Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	43	-0.57	52	-0.27	81	-0.03	81	-0.01
Kd of Ac-227 in Unsaturated Zone 1	34	0.66	43	0.35	27	0.28	27	0.06
Kd of Ac-227 in Saturated Zone	22	0.70	30	0.51	73	-0.05	73	-0.01
Kd of Am-241 in Contaminated Zone	21	-0.72	28	-0.53	63	-0.11	64	-0.02
Kd of Am-241 in Unsaturated Zone 1	17	0.75	4	1.17	36	0.24	35	0.05
Kd of Am-241 in Saturated Zone	27	0.68	2	1.80	6	-0.48	6	-0.12
Kd of Np-237 in Contaminated Zone	25	-0.70	6	-1.04	78	0.04	78	0.01
Kd of Np-237 in Unsaturated Zone 1	36	-0.59	25	-0.54	15	0.39	15	0.09
Kd of Np-237 in Saturated Zone	31	0.67	35	0.41	22	0.32	22	0.07
Kd of Pa-231 in Contaminated Zone	63	0.35	60	0.17	11	0.44	11	0.10
Kd of Pa-231 in Unsaturated Zone 1	24	-0.70	3	-1.79	32	0.25	32	0.05
Kd of Pa-231 in Saturated Zone	44	-0.57	45	-0.31	61	-0.13	61	-0.03
Kd of Pb-210 in Contaminated Zone	5	0.83	12	0.83	68	-0.09	68	-0.02
Kd of Pb-210 in Unsaturated Zone 1	55	-0.41	39	-0.38	13	-0.41	13	-0.09
Kd of Pb-210 in Saturated Zone	57	-0.39	47	-0.31	79	-0.04	79	-0.01
Kd of Pu-239 in Contaminated Zone	30	-0.67	17	-0.67	53	0.18	53	0.04
Kd of Pu-239 in Unsaturated Zone 1	61	-0.35	57	-0.22	44	-0.20	43	-0.04
Kd of Pu-239 in Saturated Zone	70	0.28	64	0.16	35	0.24	36	0.05
Kd of Ra-226 in Contaminated Zone	75	-0.22	62	-0.17	14	0.40	14	0.09
Kd of Ra-226 in Unsaturated Zone 1	66	0.32	59	0.20	50	0.19	50	0.04
Kd of Ra-226 in Saturated Zone	7	-0.82	14	-0.79	89	0.00	89	0.00
Kd of Ra-228 in Contaminated Zone	29	0.67	10	0.89	57	0.15	57	0.03
Kd of Ra-228 in Unsaturated Zone 1	12	0.77	34	0.46	40	-0.22	40	-0.05
Kd of Ra-228 in Saturated Zone	58	-0.38	53	-0.27	30	0.26	31	0.06
Kd of Tc-99 in Saturated Zone	67	0.32	68	0.15	12	0.42	12	0.10
Kd of Th-228 in Contaminated Zone	20	-0.73	46	-0.31	24	0.31	24	0.07
Kd of Th-228 in Unsaturated Zone 1	32	-0.67	11	-0.88	48	0.19	49	0.04
Kd of Th-228 in Saturated Zone	76	0.20	61	0.17	69	-0.08	69	-0.02
Kd of Th-229 in Contaminated Zone	88	0.04	87	0.01	64	-0.11	63	-0.02
Kd of Th-229 in Unsaturated Zone 1	1	-0.90	1	-2.09	59	0.14	59	0.03
Kd of Th-229 in Saturated Zone	84	0.07	84	0.03	74	-0.05	74	-0.01
Kd of Th-230 in Contaminated Zone	19	0.73	19	0.60	2	0.88	2	0.39
Kd of Th-230 in Unsaturated Zone 1	40	0.58	29	0.52	75	-0.05	76	-0.01
Kd of Th-230 in Saturated Zone	26	-0.70	33	-0.48	83	-0.02	83	-0.01
Kd of Th-232 in Contaminated Zone	16	0.75	24	0.54	1	0.96	1	0.71
Kd of Th-232 in Unsaturated Zone 1	33	0.67	21	0.57	43	-0.20	44	-0.04
Kd of Th-232 in Saturated Zone	13	0.76	27	0.53	19	-0.35	19	-0.08
Kd of U-233 in Saturated Zone	37	-0.59	44	-0.33	88	-0.01	88	0.00
Kd of U-234 in Saturated Zone	35	0.60	7	0.98	3	-0.63	3	-0.17
Kd of U-235 in Saturated Zone	46	-0.56	31	-0.50	58	0.15	58	0.03
Kd of U-238 in Saturated Zone	14	0.75	16	0.69	28	-0.28	28	-0.06
Plant transfer factor for Ac	85	-0.06	85	-0.02	10	0.44	9	0.10
Meat transfer factor for Ac	49	-0.54	54	-0.26	77	0.05	77	0.01
Milk transfer factor for Ac	47	-0.56	38	-0.40	41	0.21	42	0.05
Fish transfer factor for Ac	2	0.88	8	0.95	52	0.18	52	0.04
Plant transfer factor for Am	52	0.48	58	0.21	26	0.29	26	0.06
Meat transfer factor for Am	3	0.85	5	1.05	9	0.44	10	0.10
Milk transfer factor for Am	39	-0.59	42	-0.35	72	0.06	72	0.01
Fish transfer factor for Am	48	-0.55	40	-0.37	86	0.02	86	0.00
Plant transfer factor for Pb	54	0.42	51	0.28	16	0.38	16	0.09
Meat transfer factor for Pb	87	0.04	88	0.01	20	-0.34	20	-0.08
Milk transfer factor for Pb	53	-0.44	55	-0.24	29	-0.27	29	-0.06
Fish transfer factor for Pb	45	0.57	50	0.29	42	-0.21	41	-0.05
Plant transfer factor for Np	68	0.31	69	0.15	38	0.23	38	0.05
Meat transfer factor for Np	28	0.68	41	0.36	55	0.17	55	0.04
Milk transfer factor for Np	86	0.04	86	0.02	71	-0.07	71	-0.01
Fish transfer factor for Np	18	0.75	9	0.92	17	0.38	17	0.09
Plant transfer factor for Pu	77	0.18	77	0.07	31	-0.26	30	-0.06
Meat transfer factor for Pu	62	0.35	72	0.13	7	0.47	7	0.11
Milk transfer factor for Pu	73	-0.24	75	-0.11	65	0.11	65	0.02
Fish transfer factor for Pu	82	0.08	83	0.03	66	0.10	67	0.02
Plant transfer factor for Pa	4	0.84	13	0.82	21	-0.34	21	-0.08
Meat transfer factor for Pa	81	0.11	81	0.04	80	-0.04	80	-0.01
Milk transfer factor for Pa	89	0.03	89	0.01	60	0.13	60	0.03
Fish transfer factor for Pa	51	0.49	37	0.40	34	-0.24	33	-0.05
Plant transfer factor for Ra	64	-0.35	63	-0.16	84	0.02	84	0.00
Meat transfer factor for Ra	8	-0.80	15	-0.75	5	-0.52	5	-0.13
Milk transfer factor for Ra	72	-0.27	73	-0.12	85	-0.02	85	0.00
Fish transfer factor for Ra	41	0.58	26	0.53	87	-0.01	87	0.00
Plant transfer factor for Tc	74	0.23	76	0.10	67	0.10	66	0.02
Meat transfer factor for Tc	69	0.28	71	0.14	56	-0.17	56	-0.04
Milk transfer factor for Tc	71	-0.28	74	-0.12	39	0.23	39	0.05
Fish transfer factor for Tc	59	0.37	66	0.15	82	-0.03	82	-0.01
Plant transfer factor for Th	42	0.57	48	0.29	70	0.07	70	0.02
Meat transfer factor for Th	15	-0.75	22	-0.57	51	-0.19	51	-0.04
Milk transfer factor for Th	9	0.79	32	0.48	18	0.36	18	0.08
Fish transfer factor for Th	65	0.34	65	0.15	23	0.32	23	0.07
Plant transfer factor for U	79	0.16	80	0.05	8	0.46	8	0.11
Meat transfer factor for U	50	0.53	56	0.24	45	0.20	46	0.04
Milk transfer factor for U	38	-0.59	49	-0.29	54	-0.17	54	-0.04
Fish transfer factor for U	60	-0.36	70	-0.14	76	0.05	75	0.01
Well pumping rate	6	0.83	23	0.56	46	-0.20	45	-0.04
Mass loading for inhalation	56	0.41	67	0.15	49	0.19	47	0.04
Indoor dust filtration factor	78	-0.17	78	-0.07	25	-0.31	25	-0.07
Depth of soil mixing layer	83	0.08	82	0.03	4	0.53	4	0.13
Depth of roots	11	-0.78	36	-0.41	62	0.13	62	0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	80	0.15	79	0.06	33	0.24	34	0.05
Weathering removal constant of all vegetation	10	0.78	18	0.61	37	0.24	37	0.05
Wet foliar interception fraction of leafy vegetables	23	0.70	20	0.60	47	0.20	48	0.04

R-SQUARE 0.96 0.96 0.96 0.96

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Coefficients for peak External Ground Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	15	0.38	9	0.69	70	-0.08	70	-0.01
Kd of Ac-227 in Unsaturated Zone 1	8	0.42	8	0.71	55	0.14	55	0.02
Kd of Ac-227 in Saturated Zone	31	0.27	55	0.19	43	-0.21	45	-0.03
Kd of Am-241 in Contaminated Zone	84	0.06	85	0.05	36	-0.28	36	-0.04
Kd of Am-241 in Unsaturated Zone 1	38	0.23	6	1.11	6	0.54	5	0.09
Kd of Am-241 in Saturated Zone	70	-0.10	60	-0.16	51	-0.18	51	-0.03
Kd of Np-237 in Contaminated Zone	57	0.16	52	0.22	72	-0.07	72	-0.01
Kd of Np-237 in Unsaturated Zone 1	71	-0.10	73	-0.09	60	0.13	60	0.02
Kd of Np-237 in Saturated Zone	68	0.11	53	0.21	14	-0.45	14	-0.07
Kd of Pa-231 in Contaminated Zone	45	-0.21	47	-0.24	10	0.49	11	0.08
Kd of Pa-231 in Unsaturated Zone 1	13	-0.40	17	-0.46	54	0.16	54	0.02
Kd of Pa-231 in Saturated Zone	33	-0.25	40	-0.26	49	0.20	48	0.03
Kd of Pb-210 in Contaminated Zone	6	-0.44	4	-1.50	85	0.04	85	0.00
Kd of Pb-210 in Unsaturated Zone 1	88	0.01	88	0.02	16	-0.42	16	-0.06
Kd of Pb-210 in Saturated Zone	65	-0.12	66	-0.12	42	-0.21	42	-0.03
Kd of Pu-239 in Contaminated Zone	28	-0.29	33	-0.31	69	0.09	69	0.01
Kd of Pu-239 in Unsaturated Zone 1	67	-0.12	56	-0.19	56	-0.14	56	-0.02
Kd of Pu-239 in Saturated Zone	48	0.20	12	0.55	50	-0.19	50	-0.03
Kd of Ra-226 in Contaminated Zone	4	0.47	13	0.52	23	-0.36	23	-0.05
Kd of Ra-226 in Unsaturated Zone 1	44	-0.22	36	-0.28	67	-0.10	67	-0.01
Kd of Ra-226 in Saturated Zone	2	-0.51	1	-2.03	57	-0.13	58	-0.02
Kd of Ra-228 in Contaminated Zone	50	-0.19	7	-0.87	81	-0.05	81	-0.01
Kd of Ra-228 in Unsaturated Zone 1	54	0.17	58	0.18	71	0.08	71	0.01
Kd of Ra-228 in Saturated Zone	47	-0.21	31	-0.32	28	0.31	28	0.05
Kd of Tc-99 in Saturated Zone	1	-0.58	5	-1.25	65	-0.11	65	-0.01
Kd of Th-228 in Contaminated Zone	22	-0.35	26	-0.37	22	0.36	22	0.06
Kd of Th-228 in Unsaturated Zone 1	21	-0.35	18	-0.44	15	0.43	15	0.07
Kd of Th-228 in Saturated Zone	26	-0.30	32	-0.31	3	0.61	3	0.11
Kd of Th-229 in Contaminated Zone	73	0.09	69	0.11	27	0.31	27	0.05
Kd of Th-229 in Unsaturated Zone 1	74	-0.09	79	-0.07	26	0.31	26	0.05
Kd of Th-229 in Saturated Zone	5	0.46	2	1.83	77	0.06	77	0.01
Kd of Th-230 in Contaminated Zone	85	-0.04	78	-0.07	2	0.87	2	0.25
Kd of Th-230 in Unsaturated Zone 1	82	-0.06	68	-0.11	39	-0.25	39	-0.04
Kd of Th-230 in Saturated Zone	3	0.49	3	1.78	62	0.13	63	0.02
Kd of Th-232 in Contaminated Zone	39	-0.23	37	-0.27	1	0.99	1	0.89
Kd of Th-232 in Unsaturated Zone 1	35	0.24	57	0.19	4	0.59	4	0.10
Kd of Th-232 in Saturated Zone	7	0.43	10	0.61	59	-0.13	59	-0.02
Kd of U-233 in Saturated Zone	10	-0.41	11	-0.57	61	-0.13	61	-0.02
Kd of U-234 in Saturated Zone	58	0.16	49	0.23	13	-0.48	12	-0.08
Kd of U-235 in Saturated Zone	42	0.22	42	0.25	5	-0.54	7	-0.09
Kd of U-238 in Saturated Zone	60	-0.15	19	-0.44	33	0.29	33	0.04
Plant transfer factor for Ac	62	0.14	65	0.13	73	0.07	73	0.01
Meat transfer factor for Ac	81	0.06	80	0.07	35	0.28	35	0.04
Milk transfer factor for Ac	83	0.06	83	0.06	79	-0.05	79	-0.01
Fish transfer factor for Ac	89	-0.01	89	-0.01	76	-0.06	76	-0.01
Plant transfer factor for Am	75	-0.08	77	-0.08	24	0.35	24	0.05
Meat transfer factor for Am	46	-0.21	44	-0.24	9	-0.50	9	-0.08
Milk transfer factor for Am	36	0.23	50	0.23	83	0.04	83	0.01
Fish transfer factor for Am	61	0.14	59	0.17	78	-0.05	78	-0.01
Plant transfer factor for Pb	41	-0.23	30	-0.32	11	0.49	10	0.08
Meat transfer factor for Pb	19	0.36	28	0.34	80	-0.05	80	-0.01
Milk transfer factor for Pb	34	-0.25	43	-0.25	30	0.31	29	0.05
Fish transfer factor for Pb	69	-0.10	75	-0.09	63	0.12	62	0.02
Plant transfer factor for Np	79	0.07	70	0.11	18	-0.37	18	-0.06
Meat transfer factor for Np	30	0.27	35	0.28	45	0.21	44	0.03
Milk transfer factor for Np	37	0.23	46	0.24	21	-0.37	21	-0.06
Fish transfer factor for Np	32	-0.26	24	-0.38	37	0.26	37	0.04
Plant transfer factor for Pu	29	-0.28	29	-0.34	7	-0.54	6	-0.09
Meat transfer factor for Pu	59	-0.16	64	-0.14	48	-0.20	49	-0.03
Milk transfer factor for Pu	63	0.13	67	0.11	25	-0.34	25	-0.05
Fish transfer factor for Pu	20	0.35	23	0.40	68	-0.09	68	-0.01
Plant transfer factor for Pa	53	-0.18	39	-0.26	52	-0.17	52	-0.02
Meat transfer factor for Pa	52	0.19	61	0.16	87	0.03	87	0.00
Milk transfer factor for Pa	27	0.29	41	0.26	32	0.29	32	0.04
Fish transfer factor for Pa	11	-0.41	16	-0.46	17	-0.41	17	-0.06
Plant transfer factor for Ra	18	-0.36	34	-0.29	44	0.21	43	0.03
Meat transfer factor for Ra	25	0.35	21	0.42	66	-0.10	66	-0.01
Milk transfer factor for Ra	14	-0.39	25	-0.37	29	0.31	31	0.04
Fish transfer factor for Ra	76	0.08	82	0.07	86	-0.03	86	0.00
Plant transfer factor for Tc	56	0.16	45	0.24	89	0.01	89	0.00
Meat transfer factor for Tc	72	-0.10	74	-0.09	12	-0.48	13	-0.08
Milk transfer factor for Tc	49	0.19	63	0.15	34	0.28	34	0.04
Fish transfer factor for Tc	77	0.07	72	0.10	75	-0.06	75	-0.01
Plant transfer factor for Th	16	-0.37	15	-0.47	82	-0.04	82	-0.01
Meat transfer factor for Th	78	-0.07	81	-0.07	31	0.30	30	0.04
Milk transfer factor for Th	23	0.35	20	0.43	84	0.04	84	0.01
Fish transfer factor for Th	43	-0.22	51	-0.22	64	0.12	64	0.02
Plant transfer factor for U	40	-0.23	48	-0.23	88	0.01	88	0.00
Meat transfer factor for U	64	-0.13	71	-0.10	46	-0.21	46	-0.03
Milk transfer factor for U	24	-0.35	38	-0.27	47	-0.20	47	-0.03
Fish transfer factor for U	86	0.03	86	0.04	41	-0.21	41	-0.03
Well pumping rate	51	-0.19	54	-0.20	19	0.37	20	0.06
Mass loading for inhalation	66	-0.12	76	-0.08	40	-0.24	40	-0.03
Indoor dust filtration factor	55	-0.17	62	-0.16	38	-0.25	38	-0.04
Depth of soil mixing layer	80	-0.07	84	-0.06	74	0.06	74	0.01
Depth of roots	87	-0.02	87	-0.03	8	0.53	8	0.09
Wet weight crop yield of fruit, grain and non-leafy vegetables	17	-0.36	27	-0.35	20	0.37	19	0.06
Weathering removal constant of all vegetation	12	0.41	14	0.47	53	0.16	53	0.02
Wet foliar interception fraction of leafy vegetables	9	0.42	22	0.42	58	0.13	57	0.02

R-SQUARE 0.77 0.77 0.98 0.98

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak External Ground Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	59	0.11	69	0.08	78	0.04	78	0.01
Kd of Ac-227 in Unsaturated Zone 1	63	-0.10	63	-0.11	61	0.10	61	0.02
Kd of Ac-227 in Saturated Zone	49	0.14	50	0.17	71	-0.06	72	-0.01
Kd of Am-241 in Contaminated Zone	89	-0.02	88	-0.02	48	0.13	50	0.03
Kd of Am-241 in Unsaturated Zone 1	38	0.18	1	12.67	57	0.12	57	0.03
Kd of Am-241 in Saturated Zone	75	-0.06	79	-0.05	74	-0.05	74	-0.01
Kd of Np-237 in Contaminated Zone	77	-0.06	80	-0.05	45	0.16	45	0.03
Kd of Np-237 in Unsaturated Zone 1	33	-0.21	35	-0.27	10	-0.37	10	-0.09
Kd of Np-237 in Saturated Zone	32	0.22	33	0.27	16	0.29	16	0.07
Kd of Pa-231 in Contaminated Zone	67	-0.10	68	-0.09	9	0.40	9	0.09
Kd of Pa-231 in Unsaturated Zone 1	3	-0.40	6	-0.68	72	-0.06	71	-0.01
Kd of Pa-231 in Saturated Zone	83	-0.04	78	-0.06	42	0.16	42	0.03
Kd of Pb-210 in Contaminated Zone	36	-0.20	47	-0.19	8	0.45	8	0.11
Kd of Pb-210 in Unsaturated Zone 1	9	-0.33	5	-0.70	30	0.20	30	0.04
Kd of Pb-210 in Saturated Zone	14	0.32	20	0.39	67	-0.07	67	-0.01
Kd of Pu-239 in Contaminated Zone	17	-0.31	19	-0.41	66	0.07	66	0.01
Kd of Pu-239 in Unsaturated Zone 1	81	-0.04	82	-0.04	7	0.46	7	0.11
Kd of Pu-239 in Saturated Zone	39	-0.18	44	-0.20	77	-0.04	77	-0.01
Kd of Ra-226 in Contaminated Zone	56	-0.13	60	-0.13	17	0.29	18	0.07
Kd of Ra-226 in Unsaturated Zone 1	85	-0.03	85	-0.03	12	-0.34	12	-0.08
Kd of Ra-226 in Saturated Zone	37	-0.18	42	-0.22	32	-0.19	32	-0.04
Kd of Ra-228 in Contaminated Zone	57	-0.12	58	-0.13	49	0.13	49	0.03
Kd of Ra-228 in Unsaturated Zone 1	27	-0.26	11	-0.50	68	-0.07	68	-0.01
Kd of Ra-228 in Saturated Zone	71	0.08	71	0.08	87	0.01	87	0.00
Kd of Tc-99 in Saturated Zone	65	0.10	70	0.08	36	0.18	36	0.04
Kd of Th-228 in Contaminated Zone	7	-0.39	18	-0.42	3	0.50	3	0.12
Kd of Th-228 in Unsaturated Zone 1	51	-0.13	32	-0.28	58	-0.11	58	-0.02
Kd of Th-228 in Saturated Zone	72	-0.08	73	-0.08	52	0.12	52	0.03
Kd of Th-229 in Contaminated Zone	19	0.30	29	0.29	22	0.26	22	0.06
Kd of Th-229 in Unsaturated Zone 1	26	0.27	36	0.27	76	-0.04	76	-0.01
Kd of Th-229 in Saturated Zone	78	-0.06	75	-0.07	26	-0.23	26	-0.05
Kd of Th-230 in Contaminated Zone	76	-0.06	77	-0.07	2	0.82	2	0.30
Kd of Th-230 in Unsaturated Zone 1	68	-0.10	72	-0.08	86	0.03	85	0.01
Kd of Th-230 in Saturated Zone	30	0.23	12	0.47	81	0.03	82	0.01
Kd of Th-232 in Contaminated Zone	4	0.40	8	0.60	1	0.97	1	0.79
Kd of Th-232 in Unsaturated Zone 1	41	-0.17	2	****	6	-0.46	5	-0.11
Kd of Th-232 in Saturated Zone	82	0.04	83	0.04	83	-0.03	83	-0.01
Kd of U-233 in Saturated Zone	58	-0.11	61	-0.12	29	-0.21	29	-0.05
Kd of U-234 in Saturated Zone	43	-0.17	40	-0.24	13	0.31	13	0.07
Kd of U-235 in Saturated Zone	48	-0.14	37	-0.27	33	0.19	33	0.04
Kd of U-238 in Saturated Zone	18	0.30	7	0.65	27	-0.22	27	-0.05
Plant transfer factor for Ac	55	-0.13	43	-0.20	20	0.29	20	0.06
Meat transfer factor for Ac	47	0.15	48	0.17	54	0.12	54	0.03
Milk transfer factor for Ac	42	0.17	53	0.16	18	0.29	17	0.07
Fish transfer factor for Ac	16	0.31	9	0.52	82	-0.03	81	-0.01
Plant transfer factor for Am	24	-0.28	31	-0.28	38	-0.17	39	-0.04
Meat transfer factor for Am	22	0.29	16	0.43	21	0.26	21	0.06
Milk transfer factor for Am	29	0.23	22	0.35	60	-0.10	60	-0.02
Fish transfer factor for Am	5	0.39	15	0.46	59	0.11	59	0.02
Plant transfer factor for Pb	6	-0.39	3	-0.79	64	-0.08	65	-0.02
Meat transfer factor for Pb	31	-0.23	34	-0.27	39	-0.17	37	-0.04
Milk transfer factor for Pb	46	0.15	52	0.16	69	-0.06	69	-0.01
Fish transfer factor for Pb	28	-0.26	45	-0.19	31	-0.20	31	-0.04
Plant transfer factor for Np	70	0.09	66	0.09	41	0.16	40	0.04
Meat transfer factor for Np	80	0.05	81	0.04	44	-0.16	44	-0.03
Milk transfer factor for Np	44	-0.16	30	-0.28	56	0.12	56	0.03
Fish transfer factor for Np	54	0.13	41	0.22	88	0.00	88	0.00
Plant transfer factor for Pu	73	-0.08	74	-0.08	75	0.05	75	0.01
Meat transfer factor for Pu	84	0.04	84	0.03	19	-0.29	19	-0.07
Milk transfer factor for Pu	2	0.40	14	0.46	25	0.24	25	0.05
Fish transfer factor for Pu	11	-0.32	38	-0.26	55	-0.12	55	-0.03
Plant transfer factor for Pa	12	0.32	24	0.32	80	0.03	80	0.01
Meat transfer factor for Pa	34	0.20	25	0.32	43	-0.16	43	-0.03
Milk transfer factor for Pa	61	0.11	51	0.16	46	0.15	46	0.03
Fish transfer factor for Pa	1	-0.42	17	-0.43	62	-0.10	62	-0.02
Plant transfer factor for Ra	21	0.30	13	0.47	40	-0.16	41	-0.04
Meat transfer factor for Ra	8	0.39	10	0.50	51	0.13	51	0.03
Milk transfer factor for Ra	23	-0.29	28	-0.30	14	-0.30	14	-0.07
Fish transfer factor for Ra	87	0.02	89	0.01	84	0.03	84	0.01
Plant transfer factor for Tc	45	0.16	49	0.17	35	0.18	34	0.04
Meat transfer factor for Tc	60	0.11	56	0.14	50	-0.13	48	-0.03
Milk transfer factor for Tc	88	0.02	86	0.02	24	-0.25	24	-0.05
Fish transfer factor for Tc	50	0.13	46	0.19	70	-0.06	70	-0.01
Plant transfer factor for Th	52	0.13	57	0.13	15	-0.30	15	-0.07
Meat transfer factor for Th	13	-0.32	4	-0.71	11	-0.37	11	-0.09
Milk transfer factor for Th	25	0.27	27	0.31	79	-0.04	79	-0.01
Fish transfer factor for Th	86	-0.02	87	-0.02	73	-0.05	73	-0.01
Plant transfer factor for U	20	0.30	26	0.32	85	-0.03	86	-0.01
Meat transfer factor for U	53	-0.13	54	-0.16	37	-0.17	38	-0.04
Milk transfer factor for U	74	-0.07	67	-0.09	65	-0.07	64	-0.02
Fish transfer factor for U	35	-0.20	39	-0.25	34	-0.18	35	-0.04
Well pumping rate	66	-0.10	65	-0.09	53	0.12	53	0.03
Mass loading for inhalation	79	0.05	76	0.07	89	0.00	89	0.00
Indoor dust filtration factor	69	-0.09	62	-0.11	5	-0.46	6	-0.11
Depth of soil mixing layer	10	0.33	21	0.37	63	-0.08	63	-0.02
Depth of roots	62	0.10	64	0.10	23	-0.25	23	-0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	0.31	23	0.35	4	-0.50	4	-0.12
Weathering removal constant of all vegetation	64	0.10	55	0.14	47	-0.14	47	-0.03
Wet foliar interception fraction of leafy vegetables	40	-0.17	59	-0.13	28	-0.22	28	-0.05

R-SQUARE 0.78 0.78 0.96 0.96

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Inhalation Particles Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	26	-0.19	38	-0.05	30	-0.32	30	-0.03
Kd of Ac-227 in Unsaturated Zone 1	34	-0.16	43	-0.04	72	-0.10	72	-0.01
Kd of Ac-227 in Saturated Zone	3	-0.46	5	-0.18	3	0.72	3	0.08
Kd of Am-241 in Contaminated Zone	49	-0.10	51	-0.03	81	0.06	82	0.00
Kd of Am-241 in Unsaturated Zone 1	7	-0.31	4	-0.22	50	-0.20	50	-0.02
Kd of Am-241 in Saturated Zone	28	-0.18	3	-0.23	8	-0.54	8	-0.05
Kd of Np-237 in Contaminated Zone	50	-0.10	25	-0.07	76	-0.08	76	-0.01
Kd of Np-237 in Unsaturated Zone 1	59	0.08	47	0.04	24	-0.36	24	-0.03
Kd of Np-237 in Saturated Zone	16	-0.24	21	-0.07	20	-0.38	20	-0.03
Kd of Pa-231 in Contaminated Zone	57	0.08	64	0.02	45	0.22	45	0.02
Kd of Pa-231 in Unsaturated Zone 1	37	0.14	6	0.17	13	-0.46	13	-0.04
Kd of Pa-231 in Saturated Zone	43	-0.12	50	-0.04	32	0.32	32	0.03
Kd of Pb-210 in Contaminated Zone	46	-0.12	44	-0.04	29	-0.33	29	-0.03
Kd of Pb-210 in Unsaturated Zone 1	51	0.10	34	0.06	60	-0.16	60	-0.01
Kd of Pb-210 in Saturated Zone	36	-0.15	20	-0.07	48	-0.21	47	-0.02
Kd of Pu-239 in Contaminated Zone	32	0.17	17	0.08	78	0.07	79	0.01
Kd of Pu-239 in Unsaturated Zone 1	6	-0.32	8	-0.13	9	-0.52	9	-0.05
Kd of Pu-239 in Saturated Zone	38	0.14	37	0.05	80	0.06	80	0.01
Kd of Ra-226 in Contaminated Zone	86	0.01	86	0.00	64	0.14	65	0.01
Kd of Ra-226 in Unsaturated Zone 1	39	0.13	36	0.05	54	0.18	55	0.02
Kd of Ra-226 in Saturated Zone	69	0.06	67	0.02	22	-0.36	22	-0.03
Kd of Ra-228 in Contaminated Zone	85	-0.01	84	-0.01	28	0.33	28	0.03
Kd of Ra-228 in Unsaturated Zone 1	19	-0.23	29	-0.06	68	0.13	68	0.01
Kd of Ra-228 in Saturated Zone	82	-0.03	77	-0.01	47	0.21	48	0.02
Kd of Tc-99 in Saturated Zone	17	-0.24	22	-0.07	70	0.10	71	0.01
Kd of Th-228 in Contaminated Zone	61	0.08	72	0.01	61	-0.15	61	-0.01
Kd of Th-228 in Unsaturated Zone 1	15	0.25	7	0.17	59	-0.16	59	-0.01
Kd of Th-228 in Saturated Zone	25	0.19	10	0.11	85	0.04	85	0.00
Kd of Th-229 in Contaminated Zone	80	0.04	82	0.01	41	-0.25	40	-0.02
Kd of Th-229 in Unsaturated Zone 1	41	0.13	16	0.08	7	-0.55	7	-0.05
Kd of Th-229 in Saturated Zone	65	0.07	69	0.02	62	0.15	62	0.01
Kd of Th-230 in Contaminated Zone	62	0.08	56	0.03	67	0.13	67	0.01
Kd of Th-230 in Unsaturated Zone 1	75	0.05	61	0.03	52	0.19	52	0.02
Kd of Th-230 in Saturated Zone	63	-0.08	65	-0.02	88	-0.02	88	0.00
Kd of Th-232 in Contaminated Zone	54	0.10	54	0.03	57	0.16	58	0.01
Kd of Th-232 in Unsaturated Zone 1	48	-0.11	41	-0.05	42	0.25	42	0.02
Kd of Th-232 in Saturated Zone	55	-0.09	57	-0.03	17	0.39	17	0.04
Kd of U-233 in Saturated Zone	33	0.17	35	0.05	36	-0.28	36	-0.02
Kd of U-234 in Saturated Zone	88	0.01	85	0.01	4	0.67	4	0.07
Kd of U-235 in Saturated Zone	83	0.02	79	0.01	10	0.50	11	0.05
Kd of U-238 in Saturated Zone	35	0.16	27	0.06	15	0.41	16	0.04
Plant transfer factor for Ac	44	-0.12	52	-0.03	69	-0.12	69	-0.01
Meat transfer factor for Ac	70	-0.06	71	-0.01	39	-0.26	39	-0.02
Milk transfer factor for Ac	8	0.30	9	0.12	27	0.35	25	0.03
Fish transfer factor for Ac	58	0.08	59	0.03	73	-0.10	73	-0.01
Plant transfer factor for Am	71	-0.06	76	-0.01	33	-0.31	34	-0.03
Meat transfer factor for Am	89	0.00	89	0.00	58	-0.16	57	-0.01
Milk transfer factor for Am	45	0.12	48	0.04	53	-0.19	54	-0.02
Fish transfer factor for Am	78	-0.04	73	-0.01	63	-0.14	63	-0.01
Plant transfer factor for Pb	47	-0.11	42	-0.05	21	-0.36	21	-0.03
Meat transfer factor for Pb	9	0.29	24	0.07	26	-0.35	26	-0.03
Milk transfer factor for Pb	40	0.13	45	0.04	37	0.28	37	0.02
Fish transfer factor for Pb	10	-0.28	18	-0.08	65	0.13	64	0.01
Plant transfer factor for Np	74	0.05	70	0.02	56	0.17	56	0.01
Meat transfer factor for Np	27	-0.18	39	-0.05	35	0.29	35	0.02
Milk transfer factor for Np	20	-0.22	31	-0.06	6	-0.58	6	-0.06
Fish transfer factor for Np	30	0.18	13	0.10	40	-0.25	41	-0.02
Plant transfer factor for Pu	60	-0.08	68	-0.02	87	0.03	87	0.00
Meat transfer factor for Pu	68	-0.06	75	-0.01	31	0.32	31	0.03
Milk transfer factor for Pu	87	0.01	88	0.00	23	-0.36	23	-0.03
Fish transfer factor for Pu	24	0.19	46	0.04	12	0.47	12	0.04
Plant transfer factor for Pa	12	-0.26	14	-0.09	34	-0.30	33	-0.03
Meat transfer factor for Pa	84	-0.02	87	0.00	18	0.39	18	0.03
Milk transfer factor for Pa	13	-0.26	23	-0.07	49	0.20	49	0.02
Fish transfer factor for Pa	73	-0.05	63	-0.02	71	-0.10	70	-0.01
Plant transfer factor for Ra	14	-0.26	19	-0.08	75	0.09	74	0.01
Meat transfer factor for Ra	52	0.10	49	0.04	46	0.21	46	0.02
Milk transfer factor for Ra	64	-0.07	66	-0.02	5	-0.65	5	-0.07
Fish transfer factor for Ra	72	-0.05	58	-0.03	86	-0.04	86	0.00
Plant transfer factor for Tc	23	0.21	28	0.06	55	0.18	53	0.02
Meat transfer factor for Tc	56	-0.09	55	-0.03	38	-0.28	38	-0.02
Milk transfer factor for Tc	18	0.24	26	0.07	79	0.07	78	0.01
Fish transfer factor for Tc	79	-0.04	81	-0.01	74	0.10	75	0.01
Plant transfer factor for Th	21	-0.21	30	-0.06	19	0.39	19	0.03
Meat transfer factor for Th	31	0.17	32	0.06	84	0.05	84	0.00
Milk transfer factor for Th	5	0.38	12	0.10	82	0.06	81	0.00
Fish transfer factor for Th	76	-0.05	78	-0.01	16	0.41	14	0.04
Plant transfer factor for U	4	0.41	11	0.10	77	-0.08	77	-0.01
Meat transfer factor for U	81	-0.03	83	-0.01	83	-0.05	83	0.00
Milk transfer factor for U	22	-0.21	33	-0.06	44	-0.22	44	-0.02
Fish transfer factor for U	77	-0.05	80	-0.01	89	0.01	89	0.00
Well pumping rate	29	-0.18	40	-0.05	11	-0.49	10	-0.05
Mass loading for inhalation	1	0.96	1	0.82	1	0.99	1	0.77
Indoor dust filtration factor	2	0.93	2	0.61	2	0.99	2	0.60
Depth of soil mixing layer	53	0.10	62	0.03	66	0.13	66	0.01
Depth of roots	66	-0.07	74	-0.01	51	0.19	51	0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	42	0.13	53	0.03	25	0.35	27	0.03
Weathering removal constant of all vegetation	11	0.27	15	0.09	43	-0.22	43	-0.02
Wet foliar interception fraction of leafy vegetables	67	0.06	60	0.03	14	-0.42	15	-0.04
R-SQUARE		0.98		0.98		0.99		0.99

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.



Coefficients for peak Inhalation Particles Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	7	0.58	10	0.21	69	0.05	70	0.01
Kd of Ac-227 in Unsaturated Zone 1	38	-0.27	29	-0.07	62	-0.07	62	-0.01
Kd of Ac-227 in Saturated Zone	65	-0.15	76	-0.02	20	0.25	21	0.03
Kd of Am-241 in Contaminated Zone	72	0.13	74	0.02	5	-0.41	5	-0.05
Kd of Am-241 in Unsaturated Zone 1	11	0.51	4	0.46	56	-0.11	55	-0.01
Kd of Am-241 in Saturated Zone	36	-0.28	26	-0.08	84	-0.02	84	0.00
Kd of Np-237 in Contaminated Zone	27	0.37	22	0.09	76	-0.04	76	0.00
Kd of Np-237 in Unsaturated Zone 1	64	-0.15	69	-0.02	79	-0.03	79	0.00
Kd of Np-237 in Saturated Zone	20	-0.40	14	-0.13	39	0.16	39	0.02
Kd of Pa-231 in Contaminated Zone	33	-0.34	31	-0.07	65	0.06	65	0.01
Kd of Pa-231 in Unsaturated Zone 1	86	0.04	85	0.01	60	0.07	60	0.01
Kd of Pa-231 in Saturated Zone	82	0.07	80	0.01	11	-0.32	12	-0.04
Kd of Pb-210 in Contaminated Zone	31	-0.36	11	-0.20	72	-0.05	72	0.00
Kd of Pb-210 in Unsaturated Zone 1	14	-0.48	15	-0.13	29	0.19	30	0.02
Kd of Pb-210 in Saturated Zone	55	-0.20	57	-0.03	27	-0.21	27	-0.02
Kd of Pu-239 in Contaminated Zone	62	-0.16	64	-0.03	7	0.41	7	0.05
Kd of Pu-239 in Unsaturated Zone 1	68	-0.14	50	-0.04	88	-0.01	88	0.00
Kd of Pu-239 in Saturated Zone	8	-0.54	9	-0.29	68	-0.05	69	-0.01
Kd of Ra-226 in Contaminated Zone	47	0.22	53	0.04	71	0.05	71	0.00
Kd of Ra-226 in Unsaturated Zone 1	23	-0.38	23	-0.09	78	0.03	78	0.00
Kd of Ra-226 in Saturated Zone	10	-0.52	6	-0.35	54	0.11	54	0.01
Kd of Ra-228 in Contaminated Zone	9	-0.52	3	-0.47	64	0.07	64	0.01
Kd of Ra-228 in Unsaturated Zone 1	69	0.14	67	0.02	59	-0.08	59	-0.01
Kd of Ra-228 in Saturated Zone	37	0.28	28	0.07	44	0.15	44	0.02
Kd of Tc-99 in Saturated Zone	70	-0.13	48	-0.04	55	0.11	56	0.01
Kd of Th-228 in Contaminated Zone	40	0.25	44	0.04	15	-0.29	15	-0.03
Kd of Th-228 in Unsaturated Zone 1	66	0.15	59	0.03	85	-0.02	85	0.00
Kd of Th-228 in Saturated Zone	71	-0.13	71	-0.02	83	-0.02	83	0.00
Kd of Th-229 in Contaminated Zone	4	0.61	13	0.15	3	-0.61	3	-0.08
Kd of Th-229 in Unsaturated Zone 1	46	0.23	58	0.03	61	0.07	61	0.01
Kd of Th-229 in Saturated Zone	17	0.44	8	0.29	49	0.13	49	0.01
Kd of Th-230 in Contaminated Zone	32	0.35	18	0.11	14	-0.31	14	-0.03
Kd of Th-230 in Unsaturated Zone 1	50	0.21	30	0.07	81	-0.02	81	0.00
Kd of Th-230 in Saturated Zone	12	0.49	7	0.30	30	0.19	32	0.02
Kd of Th-232 in Contaminated Zone	13	-0.49	21	-0.11	17	0.27	17	0.03
Kd of Th-232 in Unsaturated Zone 1	48	-0.22	61	-0.03	36	0.17	35	0.02
Kd of Th-232 in Saturated Zone	74	-0.12	65	-0.03	86	0.01	86	0.00
Kd of U-233 in Saturated Zone	26	-0.37	24	-0.09	21	0.24	20	0.03
Kd of U-234 in Saturated Zone	76	0.10	68	0.02	34	0.18	33	0.02
Kd of U-235 in Saturated Zone	84	-0.06	82	-0.01	50	-0.13	51	-0.01
Kd of U-238 in Saturated Zone	5	0.59	5	0.36	52	0.12	52	0.01
Plant transfer factor for Ac	28	0.36	33	0.06	23	-0.22	23	-0.02
Meat transfer factor for Ac	19	-0.40	25	-0.08	26	-0.21	26	-0.02
Milk transfer factor for Ac	73	0.13	72	0.02	74	-0.04	75	0.00
Fish transfer factor for Ac	53	0.20	47	0.04	80	-0.03	80	0.00
Plant transfer factor for Am	88	-0.01	88	0.00	8	-0.39	8	-0.05
Meat transfer factor for Am	87	0.02	87	0.00	12	0.31	11	0.04
Milk transfer factor for Am	41	-0.25	46	-0.04	47	0.13	46	0.01
Fish transfer factor for Am	34	-0.29	37	-0.06	42	-0.16	42	-0.02
Plant transfer factor for Pb	60	-0.16	51	-0.04	73	0.04	73	0.00
Meat transfer factor for Pb	57	0.18	63	0.03	16	-0.28	16	-0.03
Milk transfer factor for Pb	61	-0.16	66	-0.03	67	0.05	67	0.01
Fish transfer factor for Pb	63	0.16	70	0.02	10	-0.32	10	-0.04
Plant transfer factor for Np	21	0.39	20	0.11	70	0.05	68	0.01
Meat transfer factor for Np	81	-0.07	81	-0.01	40	-0.16	40	-0.02
Milk transfer factor for Np	6	0.58	16	0.12	89	-0.01	89	0.00
Fish transfer factor for Np	15	-0.45	17	-0.12	31	0.19	29	0.02
Plant transfer factor for Pu	77	0.09	75	0.02	24	-0.22	25	-0.02
Meat transfer factor for Pu	83	-0.07	84	-0.01	46	-0.14	47	-0.01
Milk transfer factor for Pu	44	-0.24	54	-0.04	43	0.15	43	0.02
Fish transfer factor for Pu	43	0.25	43	0.05	19	-0.26	19	-0.03
Plant transfer factor for Pa	3	-0.61	12	-0.18	53	0.12	53	0.01
Meat transfer factor for Pa	75	-0.11	77	-0.02	4	0.45	4	0.05
Milk transfer factor for Pa	54	0.20	62	0.03	35	0.17	36	0.02
Fish transfer factor for Pa	25	0.38	27	0.07	6	-0.41	6	-0.05
Plant transfer factor for Ra	59	0.17	73	0.02	22	0.23	22	0.03
Meat transfer factor for Ra	42	-0.25	40	-0.05	63	0.07	63	0.01
Milk transfer factor for Ra	39	0.25	49	0.04	13	0.31	13	0.03
Fish transfer factor for Ra	89	0.00	89	0.00	75	-0.04	74	0.00
Plant transfer factor for Tc	49	0.21	39	0.05	25	-0.22	24	-0.02
Meat transfer factor for Tc	51	-0.21	56	-0.03	48	-0.13	48	-0.01
Milk transfer factor for Tc	18	0.41	36	0.06	51	0.13	50	0.01
Fish transfer factor for Tc	16	-0.44	19	-0.11	87	0.01	87	0.00
Plant transfer factor for Th	45	0.24	42	0.05	58	-0.10	58	-0.01
Meat transfer factor for Th	35	0.29	41	0.05	66	-0.06	66	-0.01
Milk transfer factor for Th	67	-0.15	60	-0.03	82	-0.02	82	0.00
Fish transfer factor for Th	30	-0.36	32	-0.06	33	-0.18	34	-0.02
Plant transfer factor for U	78	0.08	78	0.01	77	0.04	77	0.00
Meat transfer factor for U	22	0.38	38	0.06	57	-0.10	57	-0.01
Milk transfer factor for U	85	-0.05	86	-0.01	37	0.17	37	0.02
Fish transfer factor for U	56	0.19	45	0.04	45	-0.15	45	-0.02
Well pumping rate	79	0.07	79	0.01	32	0.19	31	0.02
Mass loading for inhalation	1	0.99	1	0.72	1	0.99	1	0.75
Indoor dust filtration factor	2	0.97	2	0.62	2	0.99	2	0.66
Depth of soil mixing layer	24	-0.38	34	-0.06	38	0.17	38	0.02
Depth of roots	58	0.17	55	0.03	9	0.34	9	0.04
Wet weight crop yield of fruit, grain and non-leafy vegetables	80	-0.07	83	-0.01	41	-0.16	41	-0.02
Weathering removal constant of all vegetation	52	0.21	52	0.04	28	0.20	28	0.02
Wet foliar interception fraction of leafy vegetables	29	-0.36	35	-0.06	18	0.26	18	0.03
R-SQUARE		0.99		0.99		0.99		0.99

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Inhalation Particles Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	86	0.02	87	0.00	70	-0.09	70	-0.01
Kd of Ac-227 in Unsaturated Zone 1	88	0.01	88	0.00	89	0.01	89	0.00
Kd of Ac-227 in Saturated Zone	20	-0.42	19	-0.10	8	0.59	9	0.05
Kd of Am-241 in Contaminated Zone	25	0.40	33	0.08	74	0.08	74	0.01
Kd of Am-241 in Unsaturated Zone 1	4	-0.61	1	-8.90	46	-0.26	46	-0.02
Kd of Am-241 in Saturated Zone	77	0.10	79	0.01	34	0.35	33	0.03
Kd of Np-237 in Contaminated Zone	53	0.22	64	0.03	45	-0.28	45	-0.02
Kd of Np-237 in Unsaturated Zone 1	8	0.50	12	0.12	65	0.11	66	0.01
Kd of Np-237 in Saturated Zone	87	0.02	86	0.00	61	-0.14	61	-0.01
Kd of Pa-231 in Contaminated Zone	76	-0.10	78	-0.02	39	-0.33	40	-0.02
Kd of Pa-231 in Unsaturated Zone 1	14	-0.46	9	-0.14	27	0.41	28	0.03
Kd of Pa-231 in Saturated Zone	36	0.33	24	0.08	35	-0.35	36	-0.03
Kd of Pb-210 in Contaminated Zone	15	-0.46	30	-0.08	5	0.63	6	0.06
Kd of Pb-210 in Unsaturated Zone 1	22	0.42	8	0.15	85	-0.02	85	0.00
Kd of Pb-210 in Saturated Zone	52	-0.23	46	-0.05	87	0.01	87	0.00
Kd of Pu-239 in Contaminated Zone	24	-0.40	20	-0.09	60	-0.16	60	-0.01
Kd of Pu-239 in Unsaturated Zone 1	16	0.45	36	0.07	47	0.25	48	0.02
Kd of Pu-239 in Saturated Zone	48	0.24	50	0.04	4	-0.65	4	-0.06
Kd of Ra-226 in Contaminated Zone	39	0.30	45	0.05	82	-0.04	82	0.00
Kd of Ra-226 in Unsaturated Zone 1	17	-0.45	22	-0.09	54	0.21	54	0.02
Kd of Ra-226 in Saturated Zone	13	0.46	16	0.10	38	-0.34	39	-0.02
Kd of Ra-228 in Contaminated Zone	60	0.20	56	0.04	48	0.25	47	0.02
Kd of Ra-228 in Unsaturated Zone 1	56	-0.21	41	-0.06	19	0.46	19	0.04
Kd of Ra-228 in Saturated Zone	63	0.18	62	0.03	56	0.20	56	0.01
Kd of Tc-99 in Saturated Zone	70	-0.14	75	-0.02	22	0.44	23	0.03
Kd of Th-228 in Contaminated Zone	46	-0.27	47	-0.05	20	-0.45	20	-0.03
Kd of Th-228 in Unsaturated Zone 1	49	-0.23	25	-0.08	25	0.43	25	0.03
Kd of Th-228 in Saturated Zone	37	-0.32	44	-0.06	76	-0.06	76	0.00
Kd of Th-229 in Contaminated Zone	18	-0.44	35	-0.07	41	0.32	41	0.02
Kd of Th-229 in Unsaturated Zone 1	85	-0.03	85	0.00	13	-0.50	12	-0.04
Kd of Th-229 in Saturated Zone	78	0.10	72	0.02	80	0.05	80	0.00
Kd of Th-230 in Contaminated Zone	7	0.53	13	0.12	78	0.06	78	0.00
Kd of Th-230 in Unsaturated Zone 1	42	-0.28	52	-0.04	83	-0.03	83	0.00
Kd of Th-230 in Saturated Zone	51	0.23	31	0.08	63	0.13	63	0.01
Kd of Th-232 in Contaminated Zone	10	-0.49	10	-0.13	86	0.02	86	0.00
Kd of Th-232 in Unsaturated Zone 1	5	0.61	2	8.78	40	0.33	38	0.02
Kd of Th-232 in Saturated Zone	50	-0.23	60	-0.03	64	-0.13	64	-0.01
Kd of U-233 in Saturated Zone	29	0.35	39	0.07	33	0.35	34	0.03
Kd of U-234 in Saturated Zone	44	-0.27	40	-0.07	7	0.60	7	0.05
Kd of U-235 in Saturated Zone	81	0.06	76	0.02	58	0.19	58	0.01
Kd of U-238 in Saturated Zone	23	-0.41	7	-0.15	81	0.05	81	0.00
Plant transfer factor for Ac	33	-0.34	18	-0.10	29	-0.41	29	-0.03
Meat transfer factor for Ac	11	-0.48	15	-0.10	15	0.49	15	0.04
Milk transfer factor for Ac	12	0.47	28	0.08	59	-0.18	59	-0.01
Fish transfer factor for Ac	19	-0.43	11	-0.13	69	0.09	69	0.01
Plant transfer factor for Am	45	-0.27	48	-0.05	57	0.20	57	0.01
Meat transfer factor for Am	30	0.35	23	0.09	52	-0.22	52	-0.02
Milk transfer factor for Am	68	0.15	55	0.04	16	0.49	16	0.04
Fish transfer factor for Am	73	0.11	73	0.02	73	0.08	73	0.01
Plant transfer factor for Pb	31	0.35	14	0.11	43	0.29	43	0.02
Meat transfer factor for Pb	28	0.36	34	0.08	77	-0.06	77	0.00
Milk transfer factor for Pb	61	-0.19	57	-0.04	67	-0.11	65	-0.01
Fish transfer factor for Pb	62	-0.19	71	-0.02	42	0.30	42	0.02
Plant transfer factor for Np	58	-0.20	59	-0.03	21	-0.45	21	-0.03
Meat transfer factor for Np	47	-0.25	53	-0.04	55	0.20	55	0.01
Milk transfer factor for Np	6	0.59	5	0.21	31	-0.36	31	-0.03
Fish transfer factor for Np	83	0.04	80	0.01	66	-0.11	67	-0.01
Plant transfer factor for Pu	32	0.34	42	0.06	3	-0.70	3	-0.07
Meat transfer factor for Pu	79	-0.07	81	-0.01	84	0.02	84	0.00
Milk transfer factor for Pu	84	0.04	84	0.01	75	-0.07	75	0.00
Fish transfer factor for Pu	9	0.50	38	0.07	12	0.50	14	0.04
Plant transfer factor for Pa	75	0.10	77	0.02	30	-0.37	30	-0.03
Meat transfer factor for Pa	34	-0.34	21	-0.09	72	0.08	72	0.01
Milk transfer factor for Pa	26	0.37	17	0.10	88	0.01	88	0.00
Fish transfer factor for Pa	43	0.28	49	0.04	51	0.23	51	0.02
Plant transfer factor for Ra	40	-0.29	32	-0.08	32	-0.36	32	-0.03
Meat transfer factor for Ra	66	-0.16	61	-0.03	17	0.49	17	0.04
Milk transfer factor for Ra	65	-0.17	66	-0.03	10	-0.57	10	-0.05
Fish transfer factor for Ra	41	-0.29	58	-0.03	26	-0.42	26	-0.03
Plant transfer factor for Tc	38	0.31	43	0.06	28	-0.41	27	-0.03
Meat transfer factor for Tc	27	-0.37	29	-0.08	6	0.62	5	0.06
Milk transfer factor for Tc	82	0.05	82	0.01	18	-0.48	18	-0.04
Fish transfer factor for Tc	71	0.13	63	0.03	49	0.23	49	0.02
Plant transfer factor for Th	67	0.15	68	0.02	36	-0.34	37	-0.03
Meat transfer factor for Th	57	0.20	37	0.07	62	0.13	62	0.01
Milk transfer factor for Th	89	0.00	89	0.00	37	0.34	35	0.03
Fish transfer factor for Th	59	-0.20	67	-0.03	9	0.58	8	0.05
Plant transfer factor for U	69	-0.14	70	-0.02	79	0.05	79	0.00
Meat transfer factor for U	55	0.21	51	0.04	50	0.23	50	0.02
Milk transfer factor for U	3	-0.65	6	-0.17	14	-0.50	13	-0.04
Fish transfer factor for U	72	0.12	69	0.02	53	0.22	53	0.02
Well pumping rate	64	0.18	65	0.03	44	-0.29	44	-0.02
Mass loading for inhalation	1	0.94	3	0.61	2	0.99	2	0.69
Indoor dust filtration factor	2	0.94	4	0.58	1	1.00	1	0.70
Depth of soil mixing layer	21	0.42	26	0.08	23	-0.44	22	-0.03
Depth of roots	54	0.22	54	0.04	68	0.11	68	0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	74	0.11	74	0.02	71	0.08	71	0.01
Weathering removal constant of all vegetation	35	-0.33	27	-0.08	24	0.44	24	0.03
Wet foliar interception fraction of leafy vegetables	80	0.06	83	0.01	11	-0.56	11	-0.05

R-SQUARE 0.99 0.99 1.00 1.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Radon (WaterInd.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable	Sig	Coef	Sig	Coef	Sig	Coef	Sig	Coef	
Kd of Ac-227 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ac-227 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ac-227 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Am-241 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Am-241 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Am-241 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Np-237 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Np-237 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Np-237 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pa-231 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pa-231 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pa-231 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pb-210 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pb-210 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pb-210 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pu-239 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pu-239 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pu-239 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-226 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-226 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-226 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Tc-99 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-229 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-229 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-229 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-232 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-232 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-232 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of U-233 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of U-234 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of U-235 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of U-238 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00	
Well pumping rate	0	0.00	0	0.00	0	0.00	0	0.00	
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00	
Indoor dust filtration factor	0	0.00	0	0.00	0	0.00	0	0.00	
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00	
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00	
Wet weight crop yield of fruit, grain and non-leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00	
Weathering removal constant of all vegetation	0	0.00	0	0.00	0	0.00	0	0.00	
Wet foliar interception fraction of leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00	
R-SQUARE		0.00		0.00		0.00		0.00	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Radon (WaterInd.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable	Sig	Coef	Sig	Coef	Sig	Coef	Sig	Coef	
Kd of Ac-227 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ac-227 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ac-227 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Am-241 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Am-241 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Am-241 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Np-237 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Np-237 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Np-237 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pa-231 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pa-231 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pa-231 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pb-210 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pb-210 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pb-210 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pu-239 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pu-239 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pu-239 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-226 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-226 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-226 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Tc-99 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-229 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-229 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-229 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-232 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-232 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-232 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of U-233 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of U-234 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of U-235 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of U-238 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00	
Well pumping rate	0	0.00	0	0.00	0	0.00	0	0.00	
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00	
Indoor dust filtration factor	0	0.00	0	0.00	0	0.00	0	0.00	
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00	
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00	
Wet weight crop yield of fruit, grain and non-leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00	
Weathering removal constant of all vegetation	0	0.00	0	0.00	0	0.00	0	0.00	
Wet foliar interception fraction of leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00	
R-SQUARE		0.00		0.00		0.00		0.00	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Radon (WaterInd.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ac-227 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ac-227 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Np-237 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Np-237 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Np-237 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pa-231 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pa-231 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pa-231 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pb-210 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pb-210 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pb-210 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pu-239 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pu-239 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pu-239 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-226 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-226 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-226 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Tc-99 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-229 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-229 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-229 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-233 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Well pumping rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Indoor dust filtration factor	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	0	0.00	0	0.00	0	0.00	0	0.00
Wet foliar interception fraction of leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Plant (WaterInd.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	21	-0.36	32	-0.02	34	0.21	34	0.03
Kd of Ac-227 in Unsaturated Zone 1	69	-0.08	75	0.00	24	-0.32	24	-0.05
Kd of Ac-227 in Saturated Zone	15	-0.41	16	-0.03	29	0.26	29	0.04
Kd of Am-241 in Contaminated Zone	28	0.28	31	0.02	36	0.20	36	0.03
Kd of Am-241 in Unsaturated Zone 1	27	-0.29	9	-0.03	38	0.17	38	0.03
Kd of Am-241 in Saturated Zone	55	0.14	13	0.03	61	-0.08	61	-0.01
Kd of Np-237 in Contaminated Zone	10	-0.46	4	-0.06	9	0.48	9	0.09
Kd of Np-237 in Unsaturated Zone 1	53	0.15	40	0.01	79	-0.02	79	0.00
Kd of Np-237 in Saturated Zone	82	-0.03	82	0.00	81	0.02	81	0.00
Kd of Pa-231 in Contaminated Zone	31	-0.23	38	-0.01	11	0.45	11	0.08
Kd of Pa-231 in Unsaturated Zone 1	48	-0.16	11	-0.03	78	0.02	78	0.00
Kd of Pa-231 in Saturated Zone	86	0.02	85	0.00	12	0.42	12	0.07
Kd of Pb-210 in Contaminated Zone	64	0.09	63	0.01	47	0.11	48	0.02
Kd of Pb-210 in Unsaturated Zone 1	83	-0.03	79	0.00	77	0.02	77	0.00
Kd of Pb-210 in Saturated Zone	65	-0.09	55	-0.01	17	0.38	18	0.07
Kd of Pu-239 in Contaminated Zone	62	-0.10	48	-0.01	30	-0.24	30	-0.04
Kd of Pu-239 in Unsaturated Zone 1	36	-0.20	37	-0.01	63	0.07	63	0.01
Kd of Pu-239 in Saturated Zone	74	-0.07	72	0.00	44	0.13	44	0.02
Kd of Ra-226 in Contaminated Zone	32	0.22	27	0.02	80	0.02	80	0.00
Kd of Ra-226 in Unsaturated Zone 1	26	-0.30	22	-0.02	70	-0.04	70	-0.01
Kd of Ra-226 in Saturated Zone	38	0.19	41	0.01	89	0.00	89	0.00
Kd of Ra-228 in Contaminated Zone	16	0.41	6	0.05	72	0.03	72	0.01
Kd of Ra-228 in Unsaturated Zone 1	75	0.07	78	0.00	25	0.31	25	0.05
Kd of Ra-228 in Saturated Zone	33	-0.22	33	-0.02	50	0.11	50	0.02
Kd of Tc-99 in Saturated Zone	49	0.16	52	0.01	18	0.38	17	0.07
Kd of Th-228 in Contaminated Zone	30	-0.24	49	-0.01	32	-0.23	32	-0.04
Kd of Th-228 in Unsaturated Zone 1	45	0.17	25	0.02	49	0.11	47	0.02
Kd of Th-228 in Saturated Zone	67	0.09	51	0.01	84	-0.01	84	0.00
Kd of Th-229 in Contaminated Zone	57	-0.13	62	-0.01	13	0.41	13	0.07
Kd of Th-229 in Unsaturated Zone 1	79	-0.04	71	0.00	8	0.51	8	0.09
Kd of Th-229 in Saturated Zone	61	-0.12	68	-0.01	88	0.00	88	0.00
Kd of Th-230 in Contaminated Zone	29	0.28	28	0.02	66	-0.06	66	-0.01
Kd of Th-230 in Unsaturated Zone 1	12	-0.43	8	-0.04	64	0.07	64	0.01
Kd of Th-230 in Saturated Zone	17	-0.38	18	-0.02	59	-0.08	59	-0.01
Kd of Th-232 in Contaminated Zone	39	-0.18	46	-0.01	14	-0.41	14	-0.07
Kd of Th-232 in Unsaturated Zone 1	54	0.14	45	0.01	56	0.10	56	0.02
Kd of Th-232 in Saturated Zone	87	-0.02	88	0.00	35	-0.20	35	-0.03
Kd of U-233 in Saturated Zone	6	-0.53	12	-0.03	86	0.00	86	0.00
Kd of U-234 in Saturated Zone	68	-0.08	39	-0.01	5	0.55	5	0.11
Kd of U-235 in Saturated Zone	34	0.20	29	0.02	20	0.36	20	0.06
Kd of U-238 in Saturated Zone	11	0.46	10	0.03	69	-0.05	69	-0.01
Plant transfer factor for Ac	41	-0.18	50	-0.01	21	0.34	21	0.06
Meat transfer factor for Ac	47	0.16	56	0.01	60	0.08	60	0.01
Milk transfer factor for Ac	72	0.08	67	0.01	46	-0.12	46	-0.02
Fish transfer factor for Ac	24	0.32	26	0.02	45	0.13	45	0.02
Plant transfer factor for Am	20	0.37	30	0.02	22	0.34	22	0.06
Meat transfer factor for Am	50	-0.15	43	-0.01	73	0.03	73	0.00
Milk transfer factor for Am	35	-0.20	42	-0.01	15	-0.40	16	-0.07
Fish transfer factor for Am	71	-0.08	70	0.00	42	-0.14	42	-0.02
Plant transfer factor for Pb	18	0.38	15	0.03	41	0.16	41	0.03
Meat transfer factor for Pb	51	-0.15	61	-0.01	7	-0.51	7	-0.10
Milk transfer factor for Pb	37	0.19	44	0.01	6	0.52	6	0.10
Fish transfer factor for Pb	52	0.15	58	0.01	27	0.29	27	0.05
Plant transfer factor for Np	44	0.17	47	0.01	26	0.30	26	0.05
Meat transfer factor for Np	89	0.00	89	0.00	65	-0.06	65	-0.01
Milk transfer factor for Np	14	-0.41	20	-0.02	82	0.01	82	0.00
Fish transfer factor for Np	85	0.02	80	0.00	57	0.10	57	0.02
Plant transfer factor for Pu	56	-0.14	60	-0.01	53	0.10	53	0.02
Meat transfer factor for Pu	70	0.08	77	0.00	74	-0.03	74	0.00
Milk transfer factor for Pu	22	-0.36	24	-0.02	87	0.00	87	0.00
Fish transfer factor for Pu	78	0.05	81	0.00	33	-0.23	33	-0.04
Plant transfer factor for Pa	5	0.61	7	0.05	52	0.11	52	0.02
Meat transfer factor for Pa	42	0.17	59	0.01	43	-0.14	43	-0.02
Milk transfer factor for Pa	46	0.17	53	0.01	16	-0.40	15	-0.07
Fish transfer factor for Pa	43	0.17	36	0.01	58	-0.09	58	-0.01
Plant transfer factor for Ra	1	1.00	1	0.75	1	0.97	1	0.62
Meat transfer factor for Ra	88	-0.02	87	0.00	48	-0.11	49	-0.02
Milk transfer factor for Ra	73	0.08	74	0.00	19	-0.38	19	-0.07
Fish transfer factor for Ra	76	0.06	66	0.01	54	0.10	55	0.02
Plant transfer factor for Tc	3	1.00	2	0.52	3	0.92	3	0.39
Meat transfer factor for Tc	59	-0.13	57	-0.01	28	0.28	28	0.05
Milk transfer factor for Tc	7	0.52	14	0.03	39	0.17	40	0.03
Fish transfer factor for Tc	8	0.49	17	0.02	75	-0.03	76	0.00
Plant transfer factor for Th	4	0.73	5	0.05	37	0.19	37	0.03
Meat transfer factor for Th	19	-0.37	19	-0.02	62	0.07	62	0.01
Milk transfer factor for Th	84	-0.03	86	0.00	76	-0.03	75	0.00
Fish transfer factor for Th	25	0.30	34	0.01	55	0.10	54	0.02
Plant transfer factor for U	2	1.00	3	0.49	2	0.96	2	0.52
Meat transfer factor for U	13	0.43	23	0.02	68	0.05	68	0.01
Milk transfer factor for U	66	-0.09	73	0.00	40	0.17	39	0.03
Fish transfer factor for U	80	-0.04	83	0.00	85	0.01	85	0.00
Well pumping rate	40	-0.18	54	-0.01	71	-0.04	71	-0.01
Mass loading for inhalation	9	0.46	21	0.02	83	0.01	83	0.00
Indoor dust filtration factor	81	-0.04	84	0.00	67	-0.06	67	-0.01
Depth of soil mixing layer	23	-0.32	35	-0.01	31	-0.24	31	-0.04
Depth of roots	58	-0.13	69	-0.01	4	0.65	4	0.14
Wet weight crop yield of fruit, grain and non-leafy vegetables	60	0.13	64	0.01	23	0.33	23	0.06
Weathering removal constant of all vegetation	63	0.10	65	0.01	10	-0.46	10	-0.08
Wet foliar interception fraction of leafy vegetables	77	0.05	76	0.00	51	-0.11	51	-0.02
R-SQUARE		1.00		1.00		0.98		0.98

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Plant (WaterInd.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	36	0.31	19	0.02	12	-0.54	12	-0.08
Kd of Ac-227 in Unsaturated Zone 1	19	0.40	15	0.02	43	-0.33	44	-0.04
Kd of Ac-227 in Saturated Zone	81	0.06	84	0.00	10	-0.60	10	-0.09
Kd of Am-241 in Contaminated Zone	46	0.23	52	0.01	85	0.04	85	0.00
Kd of Am-241 in Unsaturated Zone 1	55	0.20	10	0.03	5	0.63	5	0.11
Kd of Am-241 in Saturated Zone	61	-0.17	46	-0.01	75	-0.12	76	-0.02
Kd of Np-237 in Contaminated Zone	35	0.31	27	0.01	80	0.08	80	0.01
Kd of Np-237 in Unsaturated Zone 1	39	-0.28	48	-0.01	52	-0.26	52	-0.04
Kd of Np-237 in Saturated Zone	71	0.11	60	0.01	16	0.50	16	0.07
Kd of Pa-231 in Contaminated Zone	83	-0.04	82	0.00	79	0.09	79	0.01
Kd of Pa-231 in Unsaturated Zone 1	14	-0.42	24	-0.02	37	-0.35	37	-0.05
Kd of Pa-231 in Saturated Zone	49	-0.22	53	-0.01	50	0.29	49	0.04
Kd of Pb-210 in Contaminated Zone	11	-0.46	7	-0.05	20	0.46	20	0.07
Kd of Pb-210 in Unsaturated Zone 1	58	-0.17	50	-0.01	6	-0.63	6	-0.10
Kd of Pb-210 in Saturated Zone	82	-0.05	81	0.00	21	0.45	21	0.07
Kd of Pu-239 in Contaminated Zone	34	-0.31	41	-0.01	70	0.17	70	0.02
Kd of Pu-239 in Unsaturated Zone 1	30	-0.34	18	-0.02	59	0.22	59	0.03
Kd of Pu-239 in Saturated Zone	64	0.16	28	0.01	17	0.49	18	0.07
Kd of Ra-226 in Contaminated Zone	18	0.40	29	0.01	24	-0.44	24	-0.06
Kd of Ra-226 in Unsaturated Zone 1	26	-0.37	21	-0.02	8	-0.60	8	-0.10
Kd of Ra-226 in Saturated Zone	7	-0.59	4	-0.09	86	-0.04	86	0.00
Kd of Ra-228 in Contaminated Zone	76	-0.08	33	-0.01	31	-0.39	31	-0.05
Kd of Ra-228 in Unsaturated Zone 1	28	-0.34	32	-0.01	27	-0.41	27	-0.06
Kd of Ra-228 in Saturated Zone	66	-0.14	59	-0.01	38	0.35	38	0.05
Kd of Tc-99 in Saturated Zone	5	-0.62	8	-0.05	23	0.44	23	0.06
Kd of Th-228 in Contaminated Zone	50	-0.22	55	-0.01	72	0.14	72	0.02
Kd of Th-228 in Unsaturated Zone 1	25	-0.37	25	-0.02	39	-0.34	39	-0.05
Kd of Th-228 in Saturated Zone	32	-0.33	37	-0.01	29	-0.40	30	-0.06
Kd of Th-229 in Contaminated Zone	86	-0.03	86	0.00	84	-0.05	84	-0.01
Kd of Th-229 in Unsaturated Zone 1	74	-0.10	77	0.00	77	-0.11	77	-0.01
Kd of Th-229 in Saturated Zone	10	0.47	6	0.07	35	-0.37	35	-0.05
Kd of Th-230 in Contaminated Zone	77	0.08	68	0.00	62	-0.20	62	-0.03
Kd of Th-230 in Unsaturated Zone 1	29	0.34	14	0.02	57	-0.24	57	-0.03
Kd of Th-230 in Saturated Zone	8	0.54	5	0.07	36	0.36	36	0.05
Kd of Th-232 in Contaminated Zone	43	-0.26	45	-0.01	54	0.26	54	0.03
Kd of Th-232 in Unsaturated Zone 1	38	0.30	49	0.01	64	-0.20	63	-0.03
Kd of Th-232 in Saturated Zone	9	0.50	12	0.03	58	-0.22	58	-0.03
Kd of U-233 in Saturated Zone	21	-0.39	20	-0.02	25	0.42	25	0.06
Kd of U-234 in Saturated Zone	47	0.22	43	0.01	71	-0.15	71	-0.02
Kd of U-235 in Saturated Zone	84	0.04	83	0.00	7	-0.61	7	-0.10
Kd of U-238 in Saturated Zone	63	-0.16	22	-0.02	33	0.38	32	0.05
Plant transfer factor for Ac	42	0.26	47	0.01	44	0.32	43	0.04
Meat transfer factor for Ac	79	-0.06	79	0.00	26	0.42	26	0.06
Milk transfer factor for Ac	73	0.10	74	0.00	55	-0.26	55	-0.03
Fish transfer factor for Ac	40	-0.27	40	-0.01	13	-0.54	13	-0.08
Plant transfer factor for Am	56	-0.19	63	-0.01	18	-0.49	17	-0.07
Meat transfer factor for Am	54	-0.20	54	-0.01	47	0.29	47	0.04
Milk transfer factor for Am	52	0.20	64	0.01	41	-0.33	41	-0.05
Fish transfer factor for Am	41	-0.27	44	-0.01	40	-0.34	40	-0.05
Plant transfer factor for Pb	16	0.40	17	0.02	73	-0.13	73	-0.02
Meat transfer factor for Pb	80	0.06	80	0.00	66	-0.19	65	-0.03
Milk transfer factor for Pb	33	-0.32	42	-0.01	34	0.37	34	0.05
Fish transfer factor for Pb	65	-0.15	71	0.00	28	-0.40	28	-0.06
Plant transfer factor for Np	68	0.14	56	0.01	42	0.33	42	0.05
Meat transfer factor for Np	48	0.22	57	0.01	15	-0.52	15	-0.08
Milk transfer factor for Np	57	0.18	65	0.01	78	0.10	78	0.01
Fish transfer factor for Np	12	-0.44	13	-0.02	68	-0.19	68	-0.03
Plant transfer factor for Pu	24	-0.37	26	-0.02	67	-0.19	66	-0.03
Meat transfer factor for Pu	72	0.10	76	0.00	65	0.20	67	0.03
Milk transfer factor for Pu	53	0.20	67	0.01	48	0.29	48	0.04
Fish transfer factor for Pu	51	0.20	58	0.01	19	-0.47	19	-0.07
Plant transfer factor for Pa	20	0.39	16	0.02	22	0.45	22	0.06
Meat transfer factor for Pa	27	0.36	39	0.01	76	0.12	75	0.02
Milk transfer factor for Pa	22	0.38	36	0.01	88	-0.02	88	0.00
Fish transfer factor for Pa	13	-0.42	23	-0.02	89	-0.02	89	0.00
Plant transfer factor for Ra	1	1.00	1	0.76	1	0.98	1	0.64
Meat transfer factor for Ra	6	0.59	11	0.03	49	0.29	50	0.04
Milk transfer factor for Ra	23	-0.38	34	-0.01	83	0.06	83	0.01
Fish transfer factor for Ra	69	-0.14	73	0.00	74	-0.12	74	-0.02
Plant transfer factor for Tc	3	0.99	3	0.35	3	0.93	3	0.34
Meat transfer factor for Tc	85	0.04	85	0.00	4	-0.65	4	-0.11
Milk transfer factor for Tc	88	0.01	88	0.00	53	-0.26	53	-0.04
Fish transfer factor for Tc	78	0.07	75	0.00	9	-0.60	9	-0.10
Plant transfer factor for Th	4	0.66	9	0.04	14	0.53	14	0.08
Meat transfer factor for Th	67	0.14	70	0.00	30	0.39	29	0.06
Milk transfer factor for Th	31	0.33	30	0.01	46	0.30	46	0.04
Fish transfer factor for Th	89	0.00	89	0.00	45	-0.31	45	-0.04
Plant transfer factor for U	2	1.00	2	0.54	2	0.97	2	0.55
Meat transfer factor for U	17	-0.40	35	-0.01	69	0.17	69	0.02
Milk transfer factor for U	59	-0.17	72	0.00	87	-0.02	87	0.00
Fish transfer factor for U	62	-0.16	61	-0.01	51	0.28	51	0.04
Well pumping rate	70	-0.13	69	0.00	82	0.07	82	0.01
Mass loading for inhalation	44	-0.25	66	-0.01	60	0.22	60	0.03
Indoor dust filtration factor	87	0.02	87	0.00	32	0.38	33	0.05
Depth of soil mixing layer	75	-0.08	78	0.00	61	0.20	61	0.03
Depth of roots	60	-0.17	62	-0.01	11	0.57	11	0.09
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	-0.41	31	-0.01	63	-0.20	64	-0.03
Weathering removal constant of all vegetation	37	0.31	38	0.01	81	0.07	81	0.01
Wet foliar interception fraction of leafy vegetables	45	0.25	51	0.01	56	0.25	56	0.03

R-SQUARE 1.00 1.00 0.98 0.98

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Plant (WaterInd.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	81	-0.08	82	0.00	62	-0.13	62	-0.02
Kd of Ac-227 in Unsaturated Zone 1	22	-0.34	27	-0.02	51	-0.16	51	-0.03
Kd of Ac-227 in Saturated Zone	75	0.09	72	0.00	82	0.04	82	0.01
Kd of Am-241 in Contaminated Zone	19	-0.37	24	-0.02	56	0.14	56	0.03
Kd of Am-241 in Unsaturated Zone 1	14	0.39	1	1.17	65	-0.10	65	-0.02
Kd of Am-241 in Saturated Zone	80	-0.08	81	0.00	11	-0.41	11	-0.08
Kd of Np-237 in Contaminated Zone	83	0.06	84	0.00	68	0.09	68	0.02
Kd of Np-237 in Unsaturated Zone 1	55	-0.18	47	-0.01	87	0.02	87	0.00
Kd of Np-237 in Saturated Zone	87	0.02	87	0.00	23	0.32	23	0.06
Kd of Pa-231 in Contaminated Zone	38	-0.23	51	-0.01	76	0.06	76	0.01
Kd of Pa-231 in Unsaturated Zone 1	58	-0.17	42	-0.01	38	0.23	38	0.04
Kd of Pa-231 in Saturated Zone	26	-0.31	18	-0.02	48	-0.18	48	-0.03
Kd of Pb-210 in Contaminated Zone	21	-0.35	33	-0.01	85	0.03	85	0.01
Kd of Pb-210 in Unsaturated Zone 1	78	0.08	64	0.01	36	-0.24	35	-0.04
Kd of Pb-210 in Saturated Zone	73	0.09	73	0.00	44	-0.21	44	-0.04
Kd of Pu-239 in Contaminated Zone	41	0.22	39	0.01	79	0.06	79	0.01
Kd of Pu-239 in Unsaturated Zone 1	88	-0.02	88	0.00	58	-0.14	59	-0.02
Kd of Pu-239 in Saturated Zone	61	-0.16	62	-0.01	71	-0.08	71	-0.01
Kd of Ra-226 in Contaminated Zone	67	-0.13	68	-0.01	73	0.07	73	0.01
Kd of Ra-226 in Unsaturated Zone 1	20	0.35	26	0.02	14	-0.38	14	-0.07
Kd of Ra-226 in Saturated Zone	5	-0.57	7	-0.03	6	-0.55	6	-0.12
Kd of Ra-228 in Contaminated Zone	79	-0.08	79	0.00	25	-0.29	25	-0.05
Kd of Ra-228 in Unsaturated Zone 1	52	-0.19	32	-0.01	31	0.27	31	0.05
Kd of Ra-228 in Saturated Zone	56	-0.17	60	-0.01	70	0.08	70	0.01
Kd of Tc-99 in Saturated Zone	70	0.12	74	0.00	83	0.04	83	0.01
Kd of Th-228 in Contaminated Zone	30	-0.29	40	-0.01	8	0.48	8	0.10
Kd of Th-228 in Unsaturated Zone 1	24	0.32	10	0.03	40	0.22	40	0.04
Kd of Th-228 in Saturated Zone	74	-0.09	77	0.00	75	0.06	75	0.01
Kd of Th-229 in Contaminated Zone	10	0.41	23	0.02	43	0.21	43	0.04
Kd of Th-229 in Unsaturated Zone 1	54	0.18	61	0.01	37	0.23	37	0.04
Kd of Th-229 in Saturated Zone	8	-0.42	14	-0.02	29	-0.28	29	-0.05
Kd of Th-230 in Contaminated Zone	59	-0.16	59	-0.01	88	0.02	88	0.00
Kd of Th-230 in Unsaturated Zone 1	39	0.22	56	0.01	24	-0.30	24	-0.06
Kd of Th-230 in Saturated Zone	60	-0.16	37	-0.01	69	-0.08	69	-0.01
Kd of Th-232 in Contaminated Zone	69	0.12	63	0.01	50	0.18	50	0.03
Kd of Th-232 in Unsaturated Zone 1	15	-0.39	2	-1.15	9	-0.47	9	-0.10
Kd of Th-232 in Saturated Zone	89	-0.01	89	0.00	26	0.29	26	0.05
Kd of U-233 in Saturated Zone	40	-0.22	45	-0.01	15	0.38	16	0.07
Kd of U-234 in Saturated Zone	42	0.21	38	0.01	7	0.53	7	0.11
Kd of U-235 in Saturated Zone	44	-0.21	22	-0.02	61	0.13	61	0.02
Kd of U-238 in Saturated Zone	28	0.31	12	0.03	52	-0.16	52	-0.03
Plant transfer factor for Ac	33	0.27	20	0.02	12	0.40	12	0.08
Meat transfer factor for Ac	25	0.32	28	0.02	74	0.07	74	0.01
Milk transfer factor for Ac	46	0.21	54	0.01	60	-0.14	60	-0.02
Fish transfer factor for Ac	82	0.06	75	0.00	47	0.20	46	0.04
Plant transfer factor for Am	48	-0.20	53	-0.01	45	0.20	45	0.04
Meat transfer factor for Am	71	-0.11	65	-0.01	32	-0.25	32	-0.05
Milk transfer factor for Am	77	-0.08	69	0.00	67	0.10	66	0.02
Fish transfer factor for Am	76	0.09	76	0.00	34	0.25	36	0.04
Plant transfer factor for Pb	17	0.38	8	0.03	86	-0.03	86	0.00
Meat transfer factor for Pb	63	-0.15	58	-0.01	54	-0.16	54	-0.03
Milk transfer factor for Pb	53	0.19	52	0.01	55	0.15	55	0.03
Fish transfer factor for Pb	62	-0.16	71	0.00	10	-0.46	10	-0.09
Plant transfer factor for Np	36	0.26	44	0.01	17	0.35	18	0.07
Meat transfer factor for Np	49	-0.20	57	-0.01	72	-0.08	72	-0.01
Milk transfer factor for Np	65	-0.13	48	-0.01	84	-0.04	84	-0.01
Fish transfer factor for Np	29	-0.30	17	-0.02	28	-0.28	28	-0.05
Plant transfer factor for Pu	45	-0.21	50	-0.01	81	0.05	81	0.01
Meat transfer factor for Pu	13	0.39	29	0.02	20	0.33	21	0.06
Milk transfer factor for Pu	27	0.31	34	0.01	41	-0.22	41	-0.04
Fish transfer factor for Pu	72	-0.11	80	0.00	64	0.11	64	0.02
Plant transfer factor for Pa	6	0.53	15	0.02	30	0.27	30	0.05
Meat transfer factor for Pa	7	0.50	6	0.04	49	-0.18	49	-0.03
Milk transfer factor for Pa	11	-0.40	11	-0.03	80	0.05	80	0.01
Fish transfer factor for Pa	18	-0.37	31	-0.01	18	0.35	17	0.07
Plant transfer factor for Ra	2	1.00	3	0.79	1	0.97	1	0.67
Meat transfer factor for Ra	23	0.32	25	0.02	53	-0.16	53	-0.03
Milk transfer factor for Ra	85	0.03	85	0.00	22	0.32	22	0.06
Fish transfer factor for Ra	50	-0.20	66	-0.01	27	0.28	27	0.05
Plant transfer factor for Tc	3	0.99	5	0.32	3	0.89	3	0.35
Meat transfer factor for Tc	47	0.21	43	0.01	89	0.00	89	0.00
Milk transfer factor for Tc	66	-0.13	67	-0.01	77	-0.06	77	-0.01
Fish transfer factor for Tc	35	-0.26	30	-0.01	78	0.06	78	0.01
Plant transfer factor for Th	4	0.59	9	0.03	4	0.59	4	0.13
Meat transfer factor for Th	31	-0.28	13	-0.02	57	0.14	57	0.03
Milk transfer factor for Th	86	0.03	86	0.00	42	-0.21	42	-0.04
Fish transfer factor for Th	34	-0.27	49	-0.01	16	-0.36	15	-0.07
Plant transfer factor for U	1	1.00	4	0.54	2	0.95	2	0.53
Meat transfer factor for U	84	0.04	83	0.00	63	-0.13	63	-0.02
Milk transfer factor for U	32	0.27	35	0.01	21	-0.33	19	-0.06
Fish transfer factor for U	43	-0.21	41	-0.01	66	-0.10	67	-0.02
Well pumping rate	64	-0.13	70	0.00	59	-0.14	58	-0.02
Mass loading for inhalation	37	0.24	36	0.01	35	-0.24	34	-0.04
Indoor dust filtration factor	51	0.20	46	0.01	33	-0.25	33	-0.05
Depth of soil mixing layer	12	0.40	19	0.02	19	-0.33	20	-0.06
Depth of roots	9	-0.41	21	-0.02	39	-0.23	39	-0.04
Wet weight crop yield of fruit, grain and non-leafy vegetables	57	0.17	55	0.01	5	-0.58	5	-0.13
Weathering removal constant of all vegetation	16	0.38	16	0.02	13	0.39	13	0.07
Wet foliar interception fraction of leafy vegetables	68	-0.12	78	0.00	46	-0.20	47	-0.04

R-SQUARE 1.00 1.00 0.97 0.97

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.



Coefficients for peak Meat (WaterInd.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	82	0.04	86	0.00	17	-0.37	17	-0.03
Kd of Ac-227 in Unsaturated Zone 1	8	0.68	20	0.07	89	0.01	89	0.00
Kd of Ac-227 in Saturated Zone	6	-0.69	8	-0.09	63	0.10	63	0.01
Kd of Am-241 in Contaminated Zone	41	0.44	43	0.05	28	0.29	29	0.03
Kd of Am-241 in Unsaturated Zone 1	76	-0.09	70	-0.02	24	0.30	24	0.03
Kd of Am-241 in Saturated Zone	25	-0.51	3	-0.21	83	-0.04	83	0.00
Kd of Np-237 in Contaminated Zone	37	0.45	7	0.10	54	0.16	54	0.01
Kd of Np-237 in Unsaturated Zone 1	48	0.40	29	0.06	78	0.05	79	0.00
Kd of Np-237 in Saturated Zone	13	-0.60	25	-0.06	80	-0.05	80	0.00
Kd of Pa-231 in Contaminated Zone	66	-0.24	64	-0.02	29	0.29	28	0.03
Kd of Pa-231 in Unsaturated Zone 1	39	0.45	4	0.17	18	0.35	18	0.03
Kd of Pa-231 in Saturated Zone	60	0.29	61	0.02	12	0.44	12	0.04
Kd of Pb-210 in Contaminated Zone	34	-0.46	33	-0.05	40	0.23	40	0.02
Kd of Pb-210 in Unsaturated Zone 1	36	0.45	15	0.08	37	-0.25	37	-0.02
Kd of Pb-210 in Saturated Zone	89	0.00	89	0.00	42	-0.22	43	-0.02
Kd of Pu-239 in Contaminated Zone	40	0.45	21	0.07	73	0.07	73	0.01
Kd of Pu-239 in Unsaturated Zone 1	56	0.32	50	0.04	34	-0.26	33	-0.02
Kd of Pu-239 in Saturated Zone	74	0.10	75	0.01	44	-0.22	44	-0.02
Kd of Ra-226 in Contaminated Zone	21	0.54	9	0.09	30	-0.28	30	-0.03
Kd of Ra-226 in Unsaturated Zone 1	26	0.51	24	0.06	33	0.26	34	0.02
Kd of Ra-226 in Saturated Zone	24	0.52	26	0.06	50	0.18	50	0.02
Kd of Ra-228 in Contaminated Zone	43	-0.42	13	-0.08	13	-0.43	14	-0.04
Kd of Ra-228 in Unsaturated Zone 1	55	-0.34	60	-0.03	43	0.22	41	0.02
Kd of Ra-228 in Saturated Zone	30	-0.48	23	-0.06	15	-0.40	15	-0.04
Kd of Tc-99 in Saturated Zone	19	-0.56	31	-0.06	49	0.20	48	0.02
Kd of Th-228 in Contaminated Zone	87	0.02	87	0.00	56	-0.14	56	-0.01
Kd of Th-228 in Unsaturated Zone 1	77	-0.08	71	-0.01	11	-0.49	11	-0.05
Kd of Th-228 in Saturated Zone	83	-0.03	78	-0.01	66	0.09	67	0.01
Kd of Th-229 in Contaminated Zone	14	-0.59	34	-0.05	22	0.33	22	0.03
Kd of Th-229 in Unsaturated Zone 1	46	0.40	12	0.08	86	-0.03	86	0.00
Kd of Th-229 in Saturated Zone	12	-0.61	38	-0.05	47	-0.20	46	-0.02
Kd of Th-230 in Contaminated Zone	52	-0.37	46	-0.04	45	0.21	45	0.02
Kd of Th-230 in Unsaturated Zone 1	54	0.35	37	0.05	20	0.34	21	0.03
Kd of Th-230 in Saturated Zone	64	0.26	62	0.02	71	-0.08	71	-0.01
Kd of Th-232 in Contaminated Zone	81	-0.05	82	0.00	9	-0.50	9	-0.05
Kd of Th-232 in Unsaturated Zone 1	84	-0.03	83	0.00	67	0.09	66	0.01
Kd of Th-232 in Saturated Zone	57	-0.31	56	-0.03	36	0.26	35	0.02
Kd of U-233 in Saturated Zone	45	0.41	49	0.04	64	-0.10	64	-0.01
Kd of U-234 in Saturated Zone	31	-0.47	5	-0.13	35	0.26	36	0.02
Kd of U-235 in Saturated Zone	85	-0.03	81	0.00	68	0.09	68	0.01
Kd of U-238 in Saturated Zone	69	-0.19	63	-0.02	72	-0.07	72	-0.01
Plant transfer factor for Ac	42	0.43	51	0.04	14	0.42	13	0.04
Meat transfer factor for Ac	70	0.17	72	0.01	31	-0.27	31	-0.03
Milk transfer factor for Ac	62	0.28	54	0.03	10	-0.50	10	-0.05
Fish transfer factor for Ac	27	-0.49	35	-0.05	26	-0.29	26	-0.03
Plant transfer factor for Am	53	-0.35	58	-0.03	48	0.20	49	0.02
Meat transfer factor for Am	29	-0.48	22	-0.07	82	0.04	82	0.00
Milk transfer factor for Am	20	0.56	28	0.06	19	-0.34	20	-0.03
Fish transfer factor for Am	58	0.31	52	0.03	27	0.29	27	0.03
Plant transfer factor for Pb	86	0.03	85	0.00	53	0.17	53	0.02
Meat transfer factor for Pb	18	0.58	40	0.05	21	0.34	19	0.03
Milk transfer factor for Pb	38	0.45	42	0.05	58	0.13	58	0.01
Fish transfer factor for Pb	11	-0.62	27	-0.06	25	-0.29	25	-0.03
Plant transfer factor for Np	9	-0.66	18	-0.07	81	0.04	81	0.00
Meat transfer factor for Np	88	0.00	88	0.00	39	-0.24	39	-0.02
Milk transfer factor for Np	79	0.06	80	0.00	87	-0.01	87	0.00
Fish transfer factor for Np	28	-0.49	11	-0.08	76	-0.06	76	0.00
Plant transfer factor for Pu	22	-0.53	44	-0.04	61	-0.11	61	-0.01
Meat transfer factor for Pu	72	0.13	76	0.01	57	0.14	57	0.01
Milk transfer factor for Pu	73	0.12	74	0.01	5	-0.61	5	-0.07
Fish transfer factor for Pu	59	0.30	68	0.02	41	0.22	42	0.02
Plant transfer factor for Pa	10	-0.64	14	-0.08	88	0.01	88	0.00
Meat transfer factor for Pa	47	-0.40	57	-0.03	46	0.20	47	0.02
Milk transfer factor for Pa	78	-0.07	79	-0.01	55	-0.15	55	-0.01
Fish transfer factor for Pa	32	-0.47	19	-0.07	59	-0.11	59	-0.01
Plant transfer factor for Ra	5	0.70	16	0.08	3	0.92	3	0.21
Meat transfer factor for Ra	2	0.94	2	0.28	2	0.95	2	0.26
Milk transfer factor for Ra	51	-0.38	53	-0.03	77	0.05	77	0.00
Fish transfer factor for Ra	61	-0.28	47	-0.04	23	0.31	23	0.03
Plant transfer factor for Tc	71	-0.13	73	-0.01	84	-0.03	84	0.00
Meat transfer factor for Tc	33	-0.46	41	-0.05	70	-0.08	70	-0.01
Milk transfer factor for Tc	67	0.24	65	0.02	60	-0.11	60	-0.01
Fish transfer factor for Tc	65	-0.25	67	-0.02	69	-0.09	69	-0.01
Plant transfer factor for Th	17	-0.59	32	-0.05	74	0.06	75	0.01
Meat transfer factor for Th	7	0.69	10	0.08	4	0.72	4	0.09
Milk transfer factor for Th	75	0.09	77	0.01	52	0.18	52	0.02
Fish transfer factor for Th	15	-0.59	30	-0.06	79	-0.05	78	0.00
Plant transfer factor for U	3	0.87	6	0.11	6	0.60	6	0.07
Meat transfer factor for U	1	1.00	1	0.95	1	1.00	1	0.93
Milk transfer factor for U	35	-0.46	48	-0.04	7	-0.57	7	-0.06
Fish transfer factor for U	49	-0.39	55	-0.03	85	0.03	85	0.00
Well pumping rate	23	-0.53	45	-0.04	75	-0.06	74	-0.01
Mass loading for inhalation	50	0.38	59	0.03	32	0.26	32	0.02
Indoor dust filtration factor	4	-0.72	17	-0.07	8	0.56	8	0.06
Depth of soil mixing layer	80	-0.05	84	0.00	51	-0.18	51	-0.02
Depth of roots	63	0.27	69	0.02	16	0.37	16	0.04
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	0.59	36	0.05	38	0.24	38	0.02
Weathering removal constant of all vegetation	68	-0.21	66	-0.02	62	-0.11	62	-0.01
Wet foliar interception fraction of leafy vegetables	44	-0.41	39	-0.05	65	-0.09	65	-0.01

R-SQUARE 1.00 1.00 0.99 0.99

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Meat (WaterInd.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	79	-0.11	65	-0.01	65	-0.13	65	-0.01
Kd of Ac-227 in Unsaturated Zone 1	53	-0.20	39	-0.02	36	-0.30	36	-0.03
Kd of Ac-227 in Saturated Zone	62	0.17	78	0.01	17	0.45	17	0.05
Kd of Am-241 in Contaminated Zone	35	-0.30	41	-0.02	86	0.01	86	0.00
Kd of Am-241 in Unsaturated Zone 1	65	0.15	16	0.05	73	0.10	73	0.01
Kd of Am-241 in Saturated Zone	86	0.03	86	0.00	41	0.28	41	0.03
Kd of Np-237 in Contaminated Zone	89	0.00	89	0.00	19	-0.44	19	-0.05
Kd of Np-237 in Unsaturated Zone 1	69	-0.14	77	-0.01	45	-0.25	45	-0.03
Kd of Np-237 in Saturated Zone	40	-0.29	26	-0.04	68	0.11	68	0.01
Kd of Pa-231 in Contaminated Zone	32	0.32	33	0.02	57	0.17	57	0.02
Kd of Pa-231 in Unsaturated Zone 1	59	0.18	62	0.01	16	0.46	16	0.05
Kd of Pa-231 in Saturated Zone	57	0.18	64	0.01	4	0.67	4	0.09
Kd of Pb-210 in Contaminated Zone	81	0.10	43	0.02	89	0.01	89	0.00
Kd of Pb-210 in Unsaturated Zone 1	10	-0.54	11	-0.06	50	-0.22	51	-0.02
Kd of Pb-210 in Saturated Zone	42	0.28	46	0.02	43	0.27	42	0.03
Kd of Pu-239 in Contaminated Zone	56	-0.19	63	-0.01	87	-0.01	87	0.00
Kd of Pu-239 in Unsaturated Zone 1	16	-0.47	13	-0.06	69	-0.11	70	-0.01
Kd of Pu-239 in Saturated Zone	12	-0.52	4	-0.11	20	0.44	20	0.05
Kd of Ra-226 in Contaminated Zone	50	-0.23	55	-0.02	18	-0.44	18	-0.05
Kd of Ra-226 in Unsaturated Zone 1	64	0.16	58	0.01	64	0.14	64	0.01
Kd of Ra-226 in Saturated Zone	46	-0.24	12	-0.06	53	0.19	53	0.02
Kd of Ra-228 in Contaminated Zone	36	-0.30	7	-0.10	38	0.29	38	0.03
Kd of Ra-228 in Unsaturated Zone 1	66	0.15	69	0.01	31	0.32	31	0.03
Kd of Ra-228 in Saturated Zone	45	0.26	32	0.03	13	-0.51	13	-0.06
Kd of Tc-99 in Saturated Zone	26	-0.36	17	-0.05	6	0.60	6	0.07
Kd of Th-228 in Contaminated Zone	48	0.24	53	0.02	62	-0.15	62	-0.01
Kd of Th-228 in Unsaturated Zone 1	38	-0.29	34	-0.02	72	0.10	72	0.01
Kd of Th-228 in Saturated Zone	47	-0.24	52	-0.02	52	-0.19	52	-0.02
Kd of Th-229 in Contaminated Zone	20	0.45	21	0.04	42	0.27	43	0.03
Kd of Th-229 in Unsaturated Zone 1	19	0.46	31	0.03	7	-0.60	7	-0.07
Kd of Th-229 in Saturated Zone	63	-0.17	22	-0.04	60	-0.15	60	-0.02
Kd of Th-230 in Contaminated Zone	73	0.12	54	0.02	39	-0.29	39	-0.03
Kd of Th-230 in Unsaturated Zone 1	8	0.56	8	0.09	15	0.50	15	0.05
Kd of Th-230 in Saturated Zone	28	0.35	9	0.08	29	0.34	30	0.03
Kd of Th-232 in Contaminated Zone	77	0.11	76	0.01	74	0.09	75	0.01
Kd of Th-232 in Unsaturated Zone 1	25	-0.38	40	-0.02	54	0.18	54	0.02
Kd of Th-232 in Saturated Zone	71	0.12	70	0.01	58	-0.16	58	-0.02
Kd of U-233 in Saturated Zone	11	-0.54	14	-0.06	70	-0.11	69	-0.01
Kd of U-234 in Saturated Zone	30	0.33	30	0.03	25	-0.37	25	-0.04
Kd of U-235 in Saturated Zone	60	0.18	61	0.01	35	-0.30	37	-0.03
Kd of U-238 in Saturated Zone	17	0.47	5	0.11	10	0.52	10	0.06
Plant transfer factor for Ac	61	-0.17	68	-0.01	32	-0.31	32	-0.03
Meat transfer factor for Ac	6	-0.57	15	-0.05	8	-0.58	8	-0.07
Milk transfer factor for Ac	13	0.51	23	0.04	11	0.52	11	0.06
Fish transfer factor for Ac	87	0.02	87	0.00	12	-0.51	12	-0.06
Plant transfer factor for Am	80	0.10	81	0.01	75	-0.09	74	-0.01
Meat transfer factor for Am	15	0.48	19	0.04	66	0.12	66	0.01
Milk transfer factor for Am	41	0.28	49	0.02	47	-0.24	46	-0.02
Fish transfer factor for Am	23	-0.41	29	-0.03	40	0.29	40	0.03
Plant transfer factor for Pb	83	0.06	82	0.01	34	0.30	34	0.03
Meat transfer factor for Pb	7	0.56	20	0.04	21	0.42	21	0.05
Milk transfer factor for Pb	78	-0.11	80	-0.01	30	-0.33	29	-0.03
Fish transfer factor for Pb	34	0.30	48	0.02	55	-0.17	55	-0.02
Plant transfer factor for Np	55	0.19	42	0.02	71	-0.10	71	-0.01
Meat transfer factor for Np	82	-0.09	83	-0.01	51	-0.22	50	-0.02
Milk transfer factor for Np	54	-0.20	59	-0.01	33	0.31	33	0.03
Fish transfer factor for Np	74	-0.12	67	-0.01	67	0.12	67	0.01
Plant transfer factor for Pu	51	0.22	50	0.02	76	-0.07	76	-0.01
Meat transfer factor for Pu	31	-0.32	44	-0.02	85	-0.02	85	0.00
Milk transfer factor for Pu	52	-0.21	66	-0.01	48	0.24	48	0.02
Fish transfer factor for Pu	18	-0.46	25	-0.04	61	-0.15	61	-0.01
Plant transfer factor for Pa	85	-0.04	84	0.00	46	0.24	47	0.02
Meat transfer factor for Pa	29	0.34	38	0.02	79	-0.05	79	-0.01
Milk transfer factor for Pa	24	0.38	35	0.02	49	0.24	49	0.02
Fish transfer factor for Pa	88	-0.01	88	0.00	63	-0.14	63	-0.01
Plant transfer factor for Ra	2	0.96	3	0.18	3	0.91	3	0.21
Meat transfer factor for Ra	3	0.95	2	0.23	2	0.94	2	0.26
Milk transfer factor for Ra	27	0.36	36	0.02	88	0.01	88	0.00
Fish transfer factor for Ra	9	0.56	24	0.04	26	0.37	26	0.04
Plant transfer factor for Tc	21	0.42	18	0.05	80	0.04	80	0.00
Meat transfer factor for Tc	14	0.49	28	0.04	77	-0.06	77	-0.01
Milk transfer factor for Tc	84	-0.06	85	0.00	27	-0.37	27	-0.04
Fish transfer factor for Tc	49	-0.23	37	-0.02	78	-0.06	78	-0.01
Plant transfer factor for Th	22	0.42	27	0.04	59	-0.16	59	-0.02
Meat transfer factor for Th	5	0.68	10	0.06	23	0.40	23	0.04
Milk transfer factor for Th	76	0.12	74	0.01	9	0.55	9	0.07
Fish transfer factor for Th	75	0.12	79	0.01	22	-0.40	22	-0.04
Plant transfer factor for U	4	0.83	6	0.10	5	0.64	5	0.08
Meat transfer factor for U	1	1.00	1	0.93	1	0.99	1	0.90
Milk transfer factor for U	44	-0.27	60	-0.01	37	0.30	35	0.03
Fish transfer factor for U	72	-0.12	72	-0.01	84	-0.02	84	0.00
Well pumping rate	70	0.13	75	0.01	56	-0.17	56	-0.02
Mass loading for inhalation	39	0.29	57	0.01	81	0.03	81	0.00
Indoor dust filtration factor	68	-0.15	73	-0.01	44	-0.26	44	-0.03
Depth of soil mixing layer	33	0.31	45	0.02	82	-0.03	82	0.00
Depth of roots	58	-0.18	56	-0.01	24	0.39	24	0.04
Wet weight crop yield of fruit, grain and non-leafy vegetables	43	0.27	51	0.02	14	-0.50	14	-0.06
Weathering removal constant of all vegetation	67	-0.15	71	-0.01	28	0.35	28	0.04
Wet foliar interception fraction of leafy vegetables	37	-0.29	47	-0.02	83	0.02	83	0.00

R-SQUARE 1.00 1.00 0.99 0.99

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Meat (WaterInd.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	8	0.55	29	0.04	66	-0.09	67	-0.01
Kd of Ac-227 in Unsaturated Zone 1	74	-0.11	75	-0.01	79	0.06	79	0.01
Kd of Ac-227 in Saturated Zone	23	0.39	25	0.04	77	-0.06	77	-0.01
Kd of Am-241 in Contaminated Zone	69	0.14	68	0.01	52	-0.18	51	-0.02
Kd of Am-241 in Unsaturated Zone 1	54	0.20	1	1.05	57	-0.13	57	-0.01
Kd of Am-241 in Saturated Zone	89	0.01	89	0.00	15	-0.46	15	-0.06
Kd of Np-237 in Contaminated Zone	45	-0.26	57	-0.02	4	0.63	4	0.09
Kd of Np-237 in Unsaturated Zone 1	33	-0.34	33	-0.03	74	0.06	74	0.01
Kd of Np-237 in Saturated Zone	84	-0.03	83	0.00	69	-0.08	68	-0.01
Kd of Pa-231 in Contaminated Zone	32	-0.35	43	-0.03	8	0.50	8	0.06
Kd of Pa-231 in Unsaturated Zone 1	75	-0.11	65	-0.01	56	-0.17	56	-0.02
Kd of Pa-231 in Saturated Zone	87	0.01	86	0.00	19	-0.39	18	-0.05
Kd of Pb-210 in Contaminated Zone	78	0.09	79	0.01	9	-0.50	9	-0.06
Kd of Pb-210 in Unsaturated Zone 1	40	-0.28	21	-0.04	76	0.06	76	0.01
Kd of Pb-210 in Saturated Zone	73	-0.12	71	-0.01	58	0.13	58	0.01
Kd of Pu-239 in Contaminated Zone	68	0.14	62	0.01	41	0.24	41	0.03
Kd of Pu-239 in Unsaturated Zone 1	61	-0.16	70	-0.01	46	-0.22	47	-0.02
Kd of Pu-239 in Saturated Zone	30	-0.35	37	-0.03	64	-0.11	64	-0.01
Kd of Ra-226 in Contaminated Zone	15	-0.50	18	-0.04	87	0.01	87	0.00
Kd of Ra-226 in Unsaturated Zone 1	9	-0.54	13	-0.05	16	-0.44	16	-0.05
Kd of Ra-226 in Saturated Zone	76	-0.10	74	-0.01	42	-0.24	42	-0.03
Kd of Ra-228 in Contaminated Zone	53	-0.20	56	-0.02	34	-0.29	37	-0.03
Kd of Ra-228 in Unsaturated Zone 1	5	-0.67	6	-0.13	89	0.00	89	0.00
Kd of Ra-228 in Saturated Zone	26	-0.36	38	-0.03	25	0.33	26	0.04
Kd of Tc-99 in Saturated Zone	39	-0.29	52	-0.02	30	-0.30	31	-0.03
Kd of Th-228 in Contaminated Zone	27	-0.36	39	-0.03	60	0.12	60	0.01
Kd of Th-228 in Unsaturated Zone 1	86	-0.02	85	0.00	5	0.57	5	0.08
Kd of Th-228 in Saturated Zone	81	0.05	82	0.00	63	-0.11	63	-0.01
Kd of Th-229 in Contaminated Zone	10	0.53	17	0.04	82	-0.05	82	-0.01
Kd of Th-229 in Unsaturated Zone 1	11	-0.52	20	-0.04	23	-0.33	23	-0.04
Kd of Th-229 in Saturated Zone	36	-0.33	34	-0.03	11	0.48	11	0.06
Kd of Th-230 in Contaminated Zone	19	-0.45	23	-0.04	28	0.31	29	0.03
Kd of Th-230 in Unsaturated Zone 1	16	0.49	32	0.04	73	-0.06	73	-0.01
Kd of Th-230 in Saturated Zone	28	-0.36	10	-0.06	47	0.22	48	0.02
Kd of Th-232 in Contaminated Zone	21	0.40	15	0.05	59	-0.12	59	-0.01
Kd of Th-232 in Unsaturated Zone 1	55	-0.19	2	-1.03	67	-0.09	66	-0.01
Kd of Th-232 in Saturated Zone	59	-0.18	67	-0.01	38	0.28	38	0.03
Kd of U-233 in Saturated Zone	77	-0.09	78	-0.01	43	0.24	43	0.03
Kd of U-234 in Saturated Zone	31	0.35	26	0.04	81	-0.05	80	-0.01
Kd of U-235 in Saturated Zone	50	0.22	36	0.03	31	0.30	30	0.03
Kd of U-238 in Saturated Zone	13	0.51	7	0.09	65	-0.10	65	-0.01
Plant transfer factor for Ac	88	-0.01	88	0.00	80	0.05	81	0.01
Meat transfer factor for Ac	37	-0.30	41	-0.03	32	-0.30	32	-0.03
Milk transfer factor for Ac	17	-0.48	27	-0.04	78	-0.06	78	-0.01
Fish transfer factor for Ac	60	0.16	48	0.02	49	-0.21	49	-0.02
Plant transfer factor for Am	14	0.51	19	0.04	88	0.00	88	0.00
Meat transfer factor for Am	38	0.30	35	0.03	18	-0.39	19	-0.05
Milk transfer factor for Am	56	0.19	45	0.02	12	0.47	13	0.06
Fish transfer factor for Am	4	0.67	8	0.07	20	0.38	20	0.04
Plant transfer factor for Pb	25	-0.36	12	-0.05	55	0.17	55	0.02
Meat transfer factor for Pb	62	-0.16	61	-0.01	48	0.21	46	0.02
Milk transfer factor for Pb	57	-0.19	58	-0.02	36	-0.28	36	-0.03
Fish transfer factor for Pb	18	-0.45	40	-0.03	85	-0.01	85	0.00
Plant transfer factor for Np	44	-0.26	51	-0.02	62	0.12	62	0.01
Meat transfer factor for Np	79	0.08	80	0.01	54	-0.17	53	-0.02
Milk transfer factor for Np	22	-0.39	11	-0.06	68	0.08	69	0.01
Fish transfer factor for Np	80	-0.06	77	-0.01	71	0.08	71	0.01
Plant transfer factor for Pu	48	-0.24	54	-0.02	84	-0.01	84	0.00
Meat transfer factor for Pu	34	-0.33	44	-0.02	39	0.27	39	0.03
Milk transfer factor for Pu	47	0.24	49	0.02	33	-0.30	33	-0.03
Fish transfer factor for Pu	85	0.02	87	0.00	61	0.12	61	0.01
Plant transfer factor for Pa	12	0.51	22	0.04	40	-0.27	40	-0.03
Meat transfer factor for Pa	24	0.38	14	0.05	21	0.34	21	0.04
Milk transfer factor for Pa	52	0.21	42	0.03	26	-0.33	24	-0.04
Fish transfer factor for Pa	64	0.15	69	0.01	29	0.31	28	0.03
Plant transfer factor for Ra	3	0.86	5	0.20	3	0.91	3	0.23
Meat transfer factor for Ra	2	0.91	4	0.20	2	0.92	2	0.26
Milk transfer factor for Ra	43	-0.26	47	-0.02	83	-0.03	83	0.00
Fish transfer factor for Ra	7	0.56	30	0.04	70	-0.08	70	-0.01
Plant transfer factor for Tc	58	0.19	60	0.02	37	-0.28	34	-0.03
Meat transfer factor for Tc	71	0.13	66	0.01	22	-0.34	22	-0.04
Milk transfer factor for Tc	46	-0.24	53	-0.02	24	0.33	25	0.04
Fish transfer factor for Tc	67	-0.14	59	-0.02	45	-0.23	45	-0.02
Plant transfer factor for Th	42	-0.27	46	-0.02	72	-0.07	72	-0.01
Meat transfer factor for Th	41	0.28	16	0.05	27	0.32	27	0.04
Milk transfer factor for Th	51	0.21	55	0.02	35	0.28	35	0.03
Fish transfer factor for Th	83	-0.04	84	0.00	6	-0.53	6	-0.07
Plant transfer factor for U	6	0.63	9	0.06	17	0.44	17	0.05
Meat transfer factor for U	1	1.00	3	0.98	1	0.99	1	0.90
Milk transfer factor for U	63	-0.15	63	-0.01	13	-0.47	12	-0.06
Fish transfer factor for U	29	0.35	31	0.04	51	0.18	52	0.02
Well pumping rate	66	0.15	72	0.01	50	-0.19	50	-0.02
Mass loading for inhalation	70	0.13	64	0.01	10	-0.49	10	-0.06
Indoor dust filtration factor	20	0.40	24	0.04	7	-0.53	7	-0.07
Depth of soil mixing layer	49	-0.24	50	-0.02	14	-0.47	14	-0.06
Depth of roots	72	-0.12	73	-0.01	75	-0.06	75	-0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	82	0.04	81	0.00	44	-0.23	44	-0.03
Weathering removal constant of all vegetation	35	0.33	28	0.04	86	0.01	86	0.00
Wet foliar interception fraction of leafy vegetables	65	0.15	76	0.01	53	0.18	54	0.02

R-SQUARE 1.00 1.00 0.99 0.99

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 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Milk (WaterInd.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	71	-0.16	74	-0.01	39	0.26	39	0.03
Kd of Ac-227 in Unsaturated Zone 1	54	-0.27	63	-0.02	44	0.23	44	0.03
Kd of Ac-227 in Saturated Zone	24	-0.49	27	-0.05	7	-0.56	7	-0.08
Kd of Am-241 in Contaminated Zone	17	0.56	21	0.06	60	0.15	60	0.02
Kd of Am-241 in Unsaturated Zone 1	27	0.46	9	0.10	35	0.27	35	0.03
Kd of Am-241 in Saturated Zone	88	0.00	88	0.00	88	0.00	88	0.00
Kd of Np-237 in Contaminated Zone	36	-0.40	13	-0.09	74	-0.10	74	-0.01
Kd of Np-237 in Unsaturated Zone 1	59	-0.25	42	-0.03	33	0.28	33	0.04
Kd of Np-237 in Saturated Zone	41	-0.35	47	-0.03	78	-0.07	78	-0.01
Kd of Pa-231 in Contaminated Zone	60	0.23	64	0.02	6	0.57	6	0.09
Kd of Pa-231 in Unsaturated Zone 1	81	0.09	49	0.03	31	0.29	31	0.04
Kd of Pa-231 in Saturated Zone	40	0.35	48	0.03	30	0.29	32	0.04
Kd of Pb-210 in Contaminated Zone	58	-0.26	53	-0.03	81	0.05	81	0.01
Kd of Pb-210 in Unsaturated Zone 1	11	-0.63	6	-0.13	68	0.14	68	0.02
Kd of Pb-210 in Saturated Zone	22	-0.49	15	-0.08	73	-0.10	73	-0.01
Kd of Pu-239 in Contaminated Zone	55	0.27	33	0.04	59	0.15	59	0.02
Kd of Pu-239 in Unsaturated Zone 1	52	0.28	51	0.03	18	0.41	18	0.06
Kd of Pu-239 in Saturated Zone	68	-0.17	69	-0.02	52	0.20	52	0.02
Kd of Ra-226 in Contaminated Zone	25	0.48	18	0.07	41	-0.25	41	-0.03
Kd of Ra-226 in Unsaturated Zone 1	45	-0.32	37	-0.04	55	0.17	56	0.02
Kd of Ra-226 in Saturated Zone	35	0.41	29	0.05	36	0.27	36	0.03
Kd of Ra-228 in Contaminated Zone	26	0.47	10	0.10	83	0.02	83	0.00
Kd of Ra-228 in Unsaturated Zone 1	86	-0.04	87	0.00	77	0.08	77	0.01
Kd of Ra-228 in Saturated Zone	50	-0.28	38	-0.03	79	-0.05	80	-0.01
Kd of Tc-99 in Saturated Zone	37	0.36	45	0.03	38	0.27	37	0.03
Kd of Th-228 in Contaminated Zone	66	-0.19	76	-0.01	17	-0.42	16	-0.06
Kd of Th-228 in Unsaturated Zone 1	16	-0.56	7	-0.12	56	-0.17	55	-0.02
Kd of Th-228 in Saturated Zone	34	0.41	19	0.07	24	0.33	24	0.04
Kd of Th-229 in Contaminated Zone	8	-0.74	14	-0.08	43	0.24	43	0.03
Kd of Th-229 in Unsaturated Zone 1	73	-0.14	55	-0.03	75	0.09	75	0.01
Kd of Th-229 in Saturated Zone	76	-0.13	80	-0.01	10	0.47	10	0.06
Kd of Th-230 in Contaminated Zone	67	-0.17	67	-0.02	58	0.16	58	0.02
Kd of Th-230 in Unsaturated Zone 1	79	-0.12	70	-0.02	65	0.14	66	0.02
Kd of Th-230 in Saturated Zone	63	0.21	66	0.02	66	-0.14	65	-0.02
Kd of Th-232 in Contaminated Zone	19	-0.52	28	-0.05	70	-0.12	70	-0.01
Kd of Th-232 in Unsaturated Zone 1	32	0.43	25	0.06	82	0.05	82	0.01
Kd of Th-232 in Saturated Zone	29	-0.45	31	-0.04	22	-0.35	22	-0.05
Kd of U-233 in Saturated Zone	9	-0.73	12	-0.09	61	0.15	61	0.02
Kd of U-234 in Saturated Zone	87	-0.03	82	-0.01	76	0.08	76	0.01
Kd of U-235 in Saturated Zone	61	-0.22	46	-0.03	53	0.19	53	0.02
Kd of U-238 in Saturated Zone	65	0.19	62	0.02	28	0.30	28	0.04
Plant transfer factor for Ac	51	-0.28	58	-0.02	49	-0.22	49	-0.03
Meat transfer factor for Ac	14	0.61	24	0.06	64	-0.14	64	-0.02
Milk transfer factor for Ac	44	0.32	35	0.04	87	0.01	87	0.00
Fish transfer factor for Ac	84	-0.04	85	0.00	71	0.11	71	0.01
Plant transfer factor for Am	20	0.51	30	0.04	26	0.32	26	0.04
Meat transfer factor for Am	12	-0.62	11	-0.10	27	0.31	27	0.04
Milk transfer factor for Am	80	0.10	79	0.01	37	0.27	38	0.03
Fish transfer factor for Am	70	-0.16	68	-0.02	67	-0.14	67	-0.02
Plant transfer factor for Pb	6	0.80	5	0.15	50	0.22	50	0.03
Meat transfer factor for Pb	21	-0.50	34	-0.04	86	0.01	86	0.00
Milk transfer factor for Pb	75	0.13	73	0.01	11	0.46	12	0.06
Fish transfer factor for Pb	53	-0.27	60	-0.02	12	-0.45	11	-0.06
Plant transfer factor for Np	46	-0.31	56	-0.03	51	0.21	51	0.03
Meat transfer factor for Np	64	0.21	71	0.01	45	0.23	45	0.03
Milk transfer factor for Np	23	-0.49	32	-0.04	63	-0.15	63	-0.02
Fish transfer factor for Np	38	-0.36	22	-0.06	62	0.15	62	0.02
Plant transfer factor for Pu	49	-0.29	59	-0.02	84	-0.01	84	0.00
Meat transfer factor for Pu	69	-0.16	75	-0.01	46	-0.23	46	-0.03
Milk transfer factor for Pu	85	0.04	86	0.00	8	0.55	8	0.08
Fish transfer factor for Pu	74	-0.14	81	-0.01	25	-0.33	25	-0.04
Plant transfer factor for Pa	42	0.34	39	0.03	69	0.13	69	0.02
Meat transfer factor for Pa	82	-0.08	84	-0.01	40	-0.25	40	-0.03
Milk transfer factor for Pa	13	0.61	23	0.06	20	-0.40	20	-0.05
Fish transfer factor for Pa	57	0.26	40	0.03	48	-0.22	48	-0.03
Plant transfer factor for Ra	3	0.95	3	0.25	2	0.87	2	0.22
Meat transfer factor for Ra	15	0.57	17	0.07	15	0.42	17	0.06
Milk transfer factor for Ra	4	0.94	4	0.22	3	0.78	3	0.15
Fish transfer factor for Ra	62	-0.22	50	-0.03	42	0.24	42	0.03
Plant transfer factor for Tc	2	0.98	2	0.40	4	0.69	4	0.12
Meat transfer factor for Tc	18	-0.53	26	-0.06	29	0.30	29	0.04
Milk transfer factor for Tc	5	0.84	8	0.12	5	0.66	5	0.11
Fish transfer factor for Tc	10	0.66	20	0.06	89	0.00	89	0.00
Plant transfer factor for Th	89	0.00	89	0.00	14	-0.43	14	-0.06
Meat transfer factor for Th	72	-0.16	72	-0.01	19	0.40	19	0.05
Milk transfer factor for Th	28	0.45	43	0.03	21	0.38	21	0.05
Fish transfer factor for Th	78	-0.12	77	-0.01	16	0.42	15	0.06
Plant transfer factor for U	7	0.77	16	0.07	9	0.54	9	0.08
Meat transfer factor for U	48	0.30	61	0.02	47	-0.22	47	-0.03
Milk transfer factor for U	1	1.00	1	0.85	1	0.99	1	0.91
Fish transfer factor for U	30	0.45	41	0.03	23	0.35	23	0.04
Well pumping rate	33	-0.42	44	-0.03	13	-0.44	13	-0.06
Mass loading for inhalation	43	0.33	57	0.02	32	0.28	30	0.04
Indoor dust filtration factor	56	-0.27	65	-0.02	54	0.19	54	0.02
Depth of soil mixing layer	77	0.13	78	0.01	85	-0.01	85	0.00
Depth of roots	31	0.43	52	0.03	80	-0.05	79	-0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	39	-0.36	54	-0.03	57	0.16	57	0.02
Weathering removal constant of all vegetation	83	0.07	83	0.01	34	-0.28	34	-0.04
Wet foliar interception fraction of leafy vegetables	47	0.31	36	0.04	72	-0.11	72	-0.01

R-SQUARE 1.00 1.00 0.99 0.99

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Coefficients for peak Milk (WaterInd.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	71	-0.06	64	-0.01	17	-0.43	17	-0.05
Kd of Ac-227 in Unsaturated Zone 1	39	-0.23	30	-0.03	24	-0.38	25	-0.04
Kd of Ac-227 in Saturated Zone	69	0.06	75	0.00	53	-0.20	53	-0.02
Kd of Am-241 in Contaminated Zone	76	0.04	78	0.00	68	0.14	69	0.02
Kd of Am-241 in Unsaturated Zone 1	80	-0.03	58	-0.01	29	0.34	29	0.04
Kd of Am-241 in Saturated Zone	72	-0.05	67	-0.01	56	-0.19	56	-0.02
Kd of Np-237 in Contaminated Zone	86	-0.01	86	0.00	79	0.06	79	0.01
Kd of Np-237 in Unsaturated Zone 1	87	0.00	87	0.00	89	-0.01	89	0.00
Kd of Np-237 in Saturated Zone	26	-0.31	14	-0.06	27	0.37	27	0.04
Kd of Pa-231 in Contaminated Zone	68	0.07	68	0.01	26	-0.37	24	-0.04
Kd of Pa-231 in Unsaturated Zone 1	60	-0.09	65	-0.01	72	-0.12	72	-0.01
Kd of Pa-231 in Saturated Zone	50	-0.16	56	-0.02	61	0.16	62	0.02
Kd of Pb-210 in Contaminated Zone	48	0.17	18	0.05	73	0.12	73	0.01
Kd of Pb-210 in Unsaturated Zone 1	21	-0.34	20	-0.05	52	0.20	52	0.02
Kd of Pb-210 in Saturated Zone	14	0.44	21	0.05	88	-0.01	88	0.00
Kd of Pu-239 in Contaminated Zone	62	0.09	66	0.01	83	0.03	83	0.00
Kd of Pu-239 in Unsaturated Zone 1	30	0.28	24	0.04	7	0.66	7	0.10
Kd of Pu-239 in Saturated Zone	15	-0.44	6	-0.13	87	-0.02	87	0.00
Kd of Ra-226 in Contaminated Zone	36	-0.24	45	-0.02	41	-0.25	41	-0.03
Kd of Ra-226 in Unsaturated Zone 1	17	0.41	15	0.05	67	-0.14	67	-0.02
Kd of Ra-226 in Saturated Zone	64	0.08	36	0.03	15	-0.44	15	-0.05
Kd of Ra-228 in Contaminated Zone	38	0.23	9	0.10	44	0.23	45	0.03
Kd of Ra-228 in Unsaturated Zone 1	47	-0.18	50	-0.02	78	0.07	78	0.01
Kd of Ra-228 in Saturated Zone	27	0.30	22	0.05	57	-0.19	57	-0.02
Kd of Tc-99 in Saturated Zone	33	0.25	25	0.04	51	-0.20	51	-0.02
Kd of Th-228 in Contaminated Zone	37	0.23	46	0.02	48	0.21	48	0.02
Kd of Th-228 in Unsaturated Zone 1	35	0.25	34	0.03	35	-0.27	35	-0.03
Kd of Th-228 in Saturated Zone	24	0.31	32	0.03	54	0.19	55	0.02
Kd of Th-229 in Contaminated Zone	23	0.32	27	0.04	81	-0.04	82	0.00
Kd of Th-229 in Unsaturated Zone 1	18	0.39	31	0.03	85	0.02	85	0.00
Kd of Th-229 in Saturated Zone	89	0.00	88	0.00	42	-0.24	42	-0.03
Kd of Th-230 in Contaminated Zone	8	0.55	7	0.12	36	-0.27	37	-0.03
Kd of Th-230 in Unsaturated Zone 1	77	-0.03	71	-0.01	80	0.05	80	0.01
Kd of Th-230 in Saturated Zone	65	-0.08	42	-0.02	16	-0.43	18	-0.05
Kd of Th-232 in Contaminated Zone	55	-0.14	55	-0.02	23	-0.38	26	-0.04
Kd of Th-232 in Unsaturated Zone 1	63	-0.08	70	-0.01	70	0.13	70	0.01
Kd of Th-232 in Saturated Zone	46	0.19	41	0.02	77	-0.09	77	-0.01
Kd of U-233 in Saturated Zone	79	0.03	76	0.00	50	-0.21	50	-0.02
Kd of U-234 in Saturated Zone	28	0.29	26	0.04	21	-0.41	21	-0.05
Kd of U-235 in Saturated Zone	22	0.34	28	0.04	84	0.03	84	0.00
Kd of U-238 in Saturated Zone	16	0.44	5	0.14	31	0.29	31	0.03
Plant transfer factor for Ac	32	-0.27	39	-0.03	11	-0.52	11	-0.07
Meat transfer factor for Ac	12	-0.46	13	-0.06	86	-0.02	86	0.00
Milk transfer factor for Ac	7	0.58	12	0.07	65	-0.15	64	-0.02
Fish transfer factor for Ac	56	0.14	53	0.02	76	-0.10	76	-0.01
Plant transfer factor for Am	81	-0.02	81	0.00	62	0.16	61	0.02
Meat transfer factor for Am	70	0.06	69	0.01	58	0.17	58	0.02
Milk transfer factor for Am	34	-0.25	44	-0.02	75	0.11	75	0.01
Fish transfer factor for Am	53	0.15	52	0.02	18	-0.43	16	-0.05
Plant transfer factor for Pb	45	-0.19	38	-0.03	63	-0.16	63	-0.02
Meat transfer factor for Pb	51	0.16	59	0.01	82	-0.04	81	0.00
Milk transfer factor for Pb	20	0.36	29	0.04	8	0.61	8	0.09
Fish transfer factor for Pb	25	0.31	37	0.03	39	0.26	39	0.03
Plant transfer factor for Np	44	0.20	33	0.03	60	0.17	60	0.02
Meat transfer factor for Np	13	0.46	19	0.05	37	-0.27	36	-0.03
Milk transfer factor for Np	40	-0.23	47	-0.02	69	0.14	68	0.02
Fish transfer factor for Np	61	0.09	62	0.01	25	0.38	22	0.04
Plant transfer factor for Pu	43	0.20	43	0.02	14	0.46	14	0.06
Meat transfer factor for Pu	67	0.07	73	0.01	40	0.26	40	0.03
Milk transfer factor for Pu	78	0.03	80	0.00	20	0.42	20	0.05
Fish transfer factor for Pu	84	-0.02	84	0.00	43	0.24	43	0.03
Plant transfer factor for Pa	11	-0.48	10	-0.08	19	0.42	19	0.05
Meat transfer factor for Pa	66	0.08	72	0.01	55	-0.19	54	-0.02
Milk transfer factor for Pa	85	-0.01	85	0.00	5	-0.70	5	-0.11
Fish transfer factor for Pa	49	-0.16	54	-0.02	64	-0.16	65	-0.02
Plant transfer factor for Ra	2	0.95	2	0.23	3	0.88	3	0.20
Meat transfer factor for Ra	73	0.04	74	0.00	13	0.48	13	0.06
Milk transfer factor for Ra	3	0.93	3	0.22	2	0.91	2	0.24
Fish transfer factor for Ra	41	0.22	49	0.02	28	0.35	28	0.04
Plant transfer factor for Tc	5	0.75	4	0.16	4	0.80	4	0.14
Meat transfer factor for Tc	10	0.50	17	0.05	34	-0.28	34	-0.03
Milk transfer factor for Tc	4	0.81	8	0.11	6	0.69	6	0.10
Fish transfer factor for Tc	88	0.00	89	0.00	47	-0.22	47	-0.03
Plant transfer factor for Th	42	0.21	40	0.03	46	-0.23	46	-0.03
Meat transfer factor for Th	57	0.13	60	0.01	49	0.21	49	0.02
Milk transfer factor for Th	52	-0.15	51	-0.02	74	0.11	74	0.01
Fish transfer factor for Th	29	0.29	35	0.03	38	-0.26	38	-0.03
Plant transfer factor for U	6	0.61	11	0.07	22	0.38	23	0.04
Meat transfer factor for U	58	0.13	63	0.01	59	-0.17	59	-0.02
Milk transfer factor for U	1	1.00	1	0.92	1	0.99	1	0.86
Fish transfer factor for U	59	-0.12	57	-0.02	10	0.52	10	0.07
Well pumping rate	75	0.04	77	0.00	32	0.29	32	0.03
Mass loading for inhalation	31	0.28	48	0.02	45	-0.23	44	-0.03
Indoor dust filtration factor	82	0.02	83	0.00	66	0.15	66	0.02
Depth of soil mixing layer	54	-0.15	61	-0.01	30	0.34	30	0.04
Depth of roots	19	-0.37	23	-0.04	9	0.59	9	0.08
Wet weight crop yield of fruit, grain and non-leafy vegetables	9	0.52	16	0.05	71	-0.13	71	-0.01
Weathering removal constant of all vegetation	83	0.02	82	0.00	33	0.28	33	0.03
Wet foliar interception fraction of leafy vegetables	74	0.04	79	0.00	12	0.48	12	0.06

R-SQUARE 1.00 1.00 0.99 0.99

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Milk (WaterInd.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	11	-0.40	27	-0.05	73	-0.07	73	-0.01
Kd of Ac-227 in Unsaturated Zone 1	40	0.21	40	0.04	44	-0.17	45	-0.03
Kd of Ac-227 in Saturated Zone	81	0.03	82	0.01	84	-0.02	84	0.00
Kd of Am-241 in Contaminated Zone	44	0.19	46	0.03	65	-0.09	65	-0.02
Kd of Am-241 in Unsaturated Zone 1	23	-0.27	2	-3.18	61	-0.11	61	-0.02
Kd of Am-241 in Saturated Zone	12	0.39	23	0.06	66	-0.09	66	-0.01
Kd of Np-237 in Contaminated Zone	75	-0.05	77	-0.01	35	0.20	35	0.03
Kd of Np-237 in Unsaturated Zone 1	74	-0.05	72	-0.01	83	0.03	83	0.00
Kd of Np-237 in Saturated Zone	38	0.21	34	0.04	71	0.07	71	0.01
Kd of Pa-231 in Contaminated Zone	29	0.23	45	0.04	62	-0.10	62	-0.02
Kd of Pa-231 in Unsaturated Zone 1	55	-0.15	38	-0.04	48	0.16	48	0.03
Kd of Pa-231 in Saturated Zone	84	0.02	83	0.00	23	-0.26	23	-0.04
Kd of Pb-210 in Contaminated Zone	19	0.30	30	0.05	56	-0.14	56	-0.02
Kd of Pb-210 in Unsaturated Zone 1	39	-0.21	19	-0.07	29	-0.23	29	-0.04
Kd of Pb-210 in Saturated Zone	69	0.08	65	0.02	86	-0.01	86	0.00
Kd of Pu-239 in Contaminated Zone	62	-0.10	58	-0.02	7	0.48	7	0.09
Kd of Pu-239 in Unsaturated Zone 1	56	0.14	61	0.02	78	-0.04	78	-0.01
Kd of Pu-239 in Saturated Zone	60	0.11	60	0.02	9	0.41	9	0.08
Kd of Ra-226 in Contaminated Zone	10	0.40	18	0.07	14	0.32	14	0.06
Kd of Ra-226 in Unsaturated Zone 1	67	0.09	64	0.02	31	-0.22	31	-0.04
Kd of Ra-226 in Saturated Zone	7	0.43	14	0.09	21	-0.26	22	-0.05
Kd of Ra-228 in Contaminated Zone	83	-0.02	85	0.00	39	-0.19	39	-0.03
Kd of Ra-228 in Unsaturated Zone 1	8	0.42	8	0.14	19	0.28	19	0.05
Kd of Ra-228 in Saturated Zone	79	0.03	80	0.01	72	-0.07	72	-0.01
Kd of Tc-99 in Saturated Zone	48	-0.19	54	-0.03	26	0.25	26	0.04
Kd of Th-228 in Contaminated Zone	77	-0.04	76	-0.01	47	0.16	47	0.03
Kd of Th-228 in Unsaturated Zone 1	21	-0.29	10	-0.10	80	0.03	80	0.01
Kd of Th-228 in Saturated Zone	64	-0.10	66	-0.02	38	0.20	38	0.03
Kd of Th-229 in Contaminated Zone	42	-0.20	50	-0.03	70	-0.07	70	-0.01
Kd of Th-229 in Unsaturated Zone 1	31	0.23	41	0.04	60	0.12	60	0.02
Kd of Th-229 in Saturated Zone	27	0.25	26	0.05	68	-0.07	69	-0.01
Kd of Th-230 in Contaminated Zone	45	-0.19	43	-0.04	46	-0.16	46	-0.03
Kd of Th-230 in Unsaturated Zone 1	52	-0.17	56	-0.02	54	-0.14	54	-0.02
Kd of Th-230 in Saturated Zone	54	0.16	28	0.05	50	0.15	50	0.02
Kd of Th-232 in Contaminated Zone	34	0.22	29	0.05	16	0.30	16	0.05
Kd of Th-232 in Unsaturated Zone 1	22	0.27	1	3.23	28	-0.23	28	-0.04
Kd of Th-232 in Saturated Zone	33	0.22	51	0.03	49	-0.15	49	-0.03
Kd of U-233 in Saturated Zone	32	0.23	36	0.04	64	0.09	64	0.02
Kd of U-234 in Saturated Zone	86	0.02	84	0.00	13	0.33	13	0.06
Kd of U-235 in Saturated Zone	9	0.40	7	0.14	33	-0.21	33	-0.04
Kd of U-238 in Saturated Zone	13	-0.37	9	-0.14	55	0.14	55	0.02
Plant transfer factor for Ac	17	-0.34	11	-0.10	41	0.18	41	0.03
Meat transfer factor for Ac	68	-0.08	67	-0.02	57	-0.14	57	-0.02
Milk transfer factor for Ac	20	0.30	31	0.05	77	-0.04	77	-0.01
Fish transfer factor for Ac	78	0.04	74	0.01	88	0.00	88	0.00
Plant transfer factor for Am	41	-0.21	47	-0.03	36	0.20	36	0.03
Meat transfer factor for Am	25	0.26	20	0.06	59	0.12	59	0.02
Milk transfer factor for Am	88	0.00	88	0.00	81	0.03	81	0.01
Fish transfer factor for Am	59	-0.12	59	-0.02	15	0.31	15	0.05
Plant transfer factor for Pb	73	-0.06	63	-0.02	42	0.17	42	0.03
Meat transfer factor for Pb	46	0.19	39	0.04	63	0.10	63	0.02
Milk transfer factor for Pb	71	0.07	71	0.01	18	0.29	17	0.05
Fish transfer factor for Pb	66	0.09	73	0.01	6	-0.52	6	-0.10
Plant transfer factor for Np	35	0.22	44	0.04	85	0.02	85	0.00
Meat transfer factor for Np	63	0.10	68	0.02	89	0.00	89	0.00
Milk transfer factor for Np	82	0.02	78	0.01	22	-0.26	21	-0.05
Fish transfer factor for Np	26	-0.26	17	-0.08	25	-0.25	25	-0.04
Plant transfer factor for Pu	80	-0.03	81	-0.01	53	0.14	53	0.02
Meat transfer factor for Pu	15	-0.35	25	-0.05	37	-0.20	37	-0.03
Milk transfer factor for Pu	16	0.34	21	0.06	40	0.19	40	0.03
Fish transfer factor for Pu	61	0.11	70	0.01	24	0.25	24	0.04
Plant transfer factor for Pa	72	0.07	75	0.01	11	0.37	11	0.07
Meat transfer factor for Pa	18	-0.33	13	-0.09	52	0.15	52	0.02
Milk transfer factor for Pa	30	0.23	22	0.06	76	0.05	76	0.01
Fish transfer factor for Pa	49	-0.18	52	-0.03	51	0.15	51	0.02
Plant transfer factor for Ra	3	0.74	4	0.28	3	0.82	3	0.23
Meat transfer factor for Ra	65	-0.09	62	-0.02	17	0.30	18	0.05
Milk transfer factor for Ra	2	0.78	5	0.20	2	0.86	2	0.28
Fish transfer factor for Ra	14	0.37	32	0.05	74	-0.06	74	-0.01
Plant transfer factor for Tc	4	0.68	6	0.16	4	0.75	4	0.19
Meat transfer factor for Tc	57	-0.13	53	-0.03	82	0.03	82	0.00
Milk transfer factor for Tc	6	0.44	15	0.08	5	0.53	5	0.10
Fish transfer factor for Tc	28	0.24	24	0.06	58	-0.13	58	-0.02
Plant transfer factor for Th	85	0.02	86	0.00	45	0.17	44	0.03
Meat transfer factor for Th	37	-0.22	16	-0.08	43	-0.17	43	-0.03
Milk transfer factor for Th	58	0.12	57	0.02	32	0.21	32	0.04
Fish transfer factor for Th	51	0.18	55	0.02	69	0.07	68	0.01
Plant transfer factor for U	5	0.48	12	0.09	27	0.25	27	0.04
Meat transfer factor for U	50	-0.18	42	-0.04	87	-0.01	87	0.00
Milk transfer factor for U	1	0.98	3	0.88	1	0.98	1	0.85
Fish transfer factor for U	89	0.00	89	0.00	67	-0.09	67	-0.01
Well pumping rate	24	-0.27	35	-0.04	20	-0.28	20	-0.05
Mass loading for inhalation	87	-0.01	87	0.00	30	-0.22	30	-0.04
Indoor dust filtration factor	53	-0.16	48	-0.03	75	-0.06	75	-0.01
Depth of soil mixing layer	36	-0.22	37	-0.04	34	-0.21	34	-0.04
Depth of roots	43	0.20	49	0.03	8	0.45	8	0.08
Wet weight crop yield of fruit, grain and non-leafy vegetables	70	-0.08	69	-0.01	10	-0.37	10	-0.07
Weathering removal constant of all vegetation	47	-0.19	33	-0.05	79	0.04	79	0.01
Wet foliar interception fraction of leafy vegetables	76	-0.05	79	-0.01	12	-0.33	12	-0.06

R-SQUARE 0.99 0.99 0.97 0.97

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Soil Ingestion Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	51	-0.44	60	-0.27	31	0.26	32	-0.07
Kd of Ac-227 in Unsaturated Zone 1	17	0.61	39	0.44	35	0.24	35	0.06
Kd of Ac-227 in Saturated Zone	30	0.55	30	0.50	16	0.43	16	0.12
Kd of Am-241 in Contaminated Zone	59	-0.35	59	-0.28	70	-0.06	71	-0.02
Kd of Am-241 in Unsaturated Zone 1	41	0.49	9	0.84	38	0.22	38	0.06
Kd of Am-241 in Saturated Zone	18	0.61	1	2.14	5	-0.60	5	-0.19
Kd of Np-237 in Contaminated Zone	42	-0.49	8	-0.86	88	0.01	88	0.00
Kd of Np-237 in Unsaturated Zone 1	55	-0.40	36	-0.47	51	0.18	51	0.05
Kd of Np-237 in Saturated Zone	37	0.51	45	0.39	30	0.26	30	0.07
Kd of Pa-231 in Contaminated Zone	21	0.59	31	0.50	3	0.83	3	0.39
Kd of Pa-231 in Unsaturated Zone 1	22	-0.59	2	-1.96	76	0.04	76	0.01
Kd of Pa-231 in Saturated Zone	23	-0.59	34	-0.47	9	-0.54	9	-0.16
Kd of Pb-210 in Contaminated Zone	32	0.53	29	0.50	41	0.21	41	0.06
Kd of Pb-210 in Unsaturated Zone 1	20	-0.60	6	-0.92	12	-0.47	12	-0.13
Kd of Pb-210 in Saturated Zone	61	-0.34	47	-0.38	73	-0.05	72	-0.01
Kd of Pu-239 in Contaminated Zone	26	-0.56	17	-0.72	59	0.11	59	0.03
Kd of Pu-239 in Unsaturated Zone 1	73	0.18	70	0.15	49	-0.18	49	-0.05
Kd of Pu-239 in Saturated Zone	78	0.12	76	0.10	72	0.05	73	0.01
Kd of Ra-226 in Contaminated Zone	70	-0.23	63	-0.25	8	0.55	8	0.16
Kd of Ra-226 in Unsaturated Zone 1	74	-0.17	72	-0.15	68	0.07	68	0.02
Kd of Ra-226 in Saturated Zone	47	-0.47	43	-0.43	33	0.25	33	0.07
Kd of Ra-228 in Contaminated Zone	38	0.51	10	0.83	84	0.02	84	0.01
Kd of Ra-228 in Unsaturated Zone 1	49	0.46	56	0.29	25	-0.31	25	-0.08
Kd of Ra-228 in Saturated Zone	66	-0.29	57	-0.28	40	0.21	40	0.06
Kd of Tc-99 in Saturated Zone	83	-0.07	81	-0.05	52	0.17	52	0.04
Kd of Th-228 in Contaminated Zone	11	-0.67	48	-0.38	54	0.14	55	0.04
Kd of Th-228 in Unsaturated Zone 1	53	-0.43	18	-0.68	64	0.09	64	0.02
Kd of Th-228 in Saturated Zone	63	0.34	41	0.43	79	0.04	79	0.01
Kd of Th-229 in Contaminated Zone	82	0.07	84	0.04	43	-0.21	43	-0.05
Kd of Th-229 in Unsaturated Zone 1	4	-0.75	3	-1.66	67	0.08	67	0.02
Kd of Th-229 in Saturated Zone	81	0.08	82	0.04	87	0.01	87	0.00
Kd of Th-230 in Contaminated Zone	25	0.57	24	0.56	1	0.87	1	0.44
Kd of Th-230 in Unsaturated Zone 1	68	0.25	58	0.28	44	-0.20	44	-0.05
Kd of Th-230 in Saturated Zone	43	-0.49	44	-0.39	21	0.36	20	0.10
Kd of Th-232 in Contaminated Zone	80	0.10	79	0.07	2	0.85	2	0.40
Kd of Th-232 in Unsaturated Zone 1	34	0.52	23	0.57	14	-0.44	15	-0.12
Kd of Th-232 in Saturated Zone	13	0.64	26	0.55	53	0.15	53	0.04
Kd of U-233 in Saturated Zone	3	-0.75	16	-0.75	36	0.23	36	0.06
Kd of U-234 in Saturated Zone	56	0.37	15	0.76	23	-0.35	24	-0.09
Kd of U-235 in Saturated Zone	60	-0.34	46	-0.39	89	0.00	89	0.00
Kd of U-238 in Saturated Zone	57	0.35	52	0.33	22	-0.35	22	-0.10
Plant transfer factor for Ac	86	0.04	86	0.02	7	0.55	7	0.17
Meat transfer factor for Ac	12	-0.65	32	-0.49	75	-0.05	75	-0.01
Milk transfer factor for Ac	77	-0.14	74	-0.12	61	-0.10	61	-0.03
Fish transfer factor for Ac	1	0.80	4	0.99	27	0.29	27	0.08
Plant transfer factor for Am	28	0.56	49	0.37	47	0.19	47	0.05
Meat transfer factor for Am	15	0.63	14	0.76	18	0.39	19	0.11
Milk transfer factor for Am	58	-0.35	61	-0.26	63	0.09	63	0.02
Fish transfer factor for Am	5	-0.74	7	-0.89	17	-0.42	17	-0.12
Plant transfer factor for Pb	31	0.53	25	0.55	6	0.57	6	0.18
Meat transfer factor for Pb	50	-0.45	62	-0.26	13	-0.46	13	-0.13
Milk transfer factor for Pb	33	-0.53	38	-0.44	81	0.03	81	0.01
Fish transfer factor for Pb	6	0.72	19	0.63	66	-0.08	66	-0.02
Plant transfer factor for Np	69	-0.24	69	-0.16	46	0.19	46	0.05
Meat transfer factor for Np	45	0.48	54	0.31	57	0.13	57	0.03
Milk transfer factor for Np	79	0.10	80	0.06	77	-0.04	77	-0.01
Fish transfer factor for Np	52	0.44	22	0.58	20	0.36	21	0.10
Plant transfer factor for Pu	85	-0.07	85	-0.04	71	-0.06	70	-0.02
Meat transfer factor for Pu	88	0.01	88	0.01	24	0.34	23	0.09
Milk transfer factor for Pu	10	-0.67	20	-0.59	85	0.02	85	0.01
Fish transfer factor for Pu	48	-0.47	64	-0.25	78	0.04	78	0.01
Plant transfer factor for Pa	7	0.72	12	0.78	15	-0.44	14	-0.13
Meat transfer factor for Pa	64	0.33	67	0.17	42	-0.21	42	-0.05
Milk transfer factor for Pa	62	0.34	66	0.21	58	0.11	58	0.03
Fish transfer factor for Pa	40	0.49	21	0.59	56	-0.14	56	-0.04
Plant transfer factor for Ra	84	0.07	83	0.04	48	0.19	48	0.05
Meat transfer factor for Ra	9	-0.69	13	-0.78	10	-0.52	10	-0.15
Milk transfer factor for Ra	44	0.48	50	0.35	83	0.03	83	0.01
Fish transfer factor for Ra	19	0.60	11	0.82	65	-0.09	65	-0.02
Plant transfer factor for Tc	27	0.56	40	0.44	74	0.05	74	0.01
Meat transfer factor for Tc	87	-0.02	87	-0.02	50	-0.18	50	-0.05
Milk transfer factor for Tc	71	-0.21	73	-0.13	45	0.20	45	0.05
Fish transfer factor for Tc	14	0.64	37	0.47	28	0.29	28	0.07
Plant transfer factor for Th	24	0.58	42	0.43	29	0.28	29	0.07
Meat transfer factor for Th	2	-0.80	5	-0.97	60	-0.11	60	-0.03
Milk transfer factor for Th	67	0.29	68	0.16	11	0.50	11	0.15
Fish transfer factor for Th	16	0.62	33	0.49	19	0.38	18	0.11
Plant transfer factor for U	75	-0.17	77	-0.09	34	0.24	34	0.06
Meat transfer factor for U	39	0.51	53	0.32	32	0.26	31	0.07
Milk transfer factor for U	36	-0.51	51	-0.35	55	-0.14	54	-0.04
Fish transfer factor for U	54	0.42	65	0.25	82	-0.03	82	-0.01
Well pumping rate	46	0.47	55	0.30	26	-0.30	26	-0.08
Mass loading for inhalation	76	0.15	78	0.07	62	0.09	62	0.02
Indoor dust filtration factor	8	0.69	28	0.51	39	0.21	39	0.06
Depth of soil mixing layer	72	-0.19	75	-0.11	4	0.62	4	0.20
Depth of roots	65	-0.30	71	-0.15	69	0.06	69	0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	89	0.00	89	0.00	86	0.02	86	0.01
Weathering removal constant of all vegetation	29	0.55	35	0.47	80	0.03	80	0.01
Wet foliar interception fraction of leafy vegetables	35	0.52	27	0.53	37	-0.22	37	-0.06

R-SQUARE 0.92 0.92 0.94 0.94

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Soil Ingestion Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	35	0.35	21	0.42	34	0.26	34	0.06
Kd of Ac-227 in Unsaturated Zone 1	3	0.67	7	0.90	35	0.25	35	0.06
Kd of Ac-227 in Saturated Zone	18	0.45	41	0.23	38	0.24	38	0.05
Kd of Am-241 in Contaminated Zone	64	-0.16	66	-0.10	62	-0.13	63	-0.03
Kd of Am-241 in Unsaturated Zone 1	40	0.32	5	1.04	20	0.37	20	0.09
Kd of Am-241 in Saturated Zone	52	-0.22	39	-0.24	49	0.18	49	0.04
Kd of Np-237 in Contaminated Zone	81	-0.06	76	-0.06	8	0.50	8	0.12
Kd of Np-237 in Unsaturated Zone 1	45	-0.28	52	-0.17	32	-0.27	32	-0.06
Kd of Np-237 in Saturated Zone	29	0.40	15	0.54	15	-0.41	15	-0.10
Kd of Pa-231 in Contaminated Zone	49	-0.26	50	-0.19	2	0.87	2	0.38
Kd of Pa-231 in Unsaturated Zone 1	53	-0.22	55	-0.16	26	-0.29	26	-0.07
Kd of Pa-231 in Saturated Zone	2	-0.67	12	-0.60	67	-0.11	66	-0.02
Kd of Pb-210 in Contaminated Zone	5	-0.60	2	-1.54	16	0.40	16	0.09
Kd of Pb-210 in Unsaturated Zone 1	22	0.44	20	0.43	74	-0.08	74	-0.02
Kd of Pb-210 in Saturated Zone	48	-0.26	53	-0.17	18	-0.38	19	-0.09
Kd of Pu-239 in Contaminated Zone	4	-0.66	14	-0.58	69	-0.10	69	-0.02
Kd of Pu-239 in Unsaturated Zone 1	89	-0.01	88	-0.01	89	0.01	89	0.00
Kd of Pu-239 in Saturated Zone	11	0.53	4	1.10	73	-0.08	73	-0.02
Kd of Ra-226 in Contaminated Zone	16	0.48	27	0.34	30	-0.27	29	-0.06
Kd of Ra-226 in Unsaturated Zone 1	86	0.03	86	0.03	72	-0.08	72	-0.02
Kd of Ra-226 in Saturated Zone	32	-0.38	6	-0.93	47	-0.19	48	-0.04
Kd of Ra-228 in Contaminated Zone	47	-0.27	9	-0.83	24	-0.31	24	-0.07
Kd of Ra-228 in Unsaturated Zone 1	28	0.41	29	0.31	88	0.02	88	0.00
Kd of Ra-228 in Saturated Zone	10	-0.54	11	-0.62	71	0.08	71	0.02
Kd of Tc-99 in Saturated Zone	19	-0.45	13	-0.59	76	0.07	77	0.01
Kd of Th-228 in Contaminated Zone	15	-0.51	23	-0.39	31	0.27	30	0.06
Kd of Th-228 in Unsaturated Zone 1	25	-0.42	26	-0.36	52	0.15	52	0.03
Kd of Th-228 in Saturated Zone	33	-0.37	36	-0.26	11	0.49	10	0.12
Kd of Th-229 in Contaminated Zone	36	-0.34	30	-0.29	43	0.21	45	0.05
Kd of Th-229 in Unsaturated Zone 1	73	0.11	75	0.06	9	0.50	9	0.12
Kd of Th-229 in Saturated Zone	6	0.60	1	1.74	33	0.26	33	0.06
Kd of Th-230 in Contaminated Zone	65	-0.15	51	-0.19	3	0.81	3	0.30
Kd of Th-230 in Unsaturated Zone 1	60	-0.18	43	-0.22	66	-0.11	67	-0.02
Kd of Th-230 in Saturated Zone	30	0.39	8	0.89	41	-0.22	41	-0.05
Kd of Th-232 in Contaminated Zone	59	0.18	57	0.14	1	0.95	1	0.67
Kd of Th-232 in Unsaturated Zone 1	8	0.55	28	0.33	4	0.66	4	0.19
Kd of Th-232 in Saturated Zone	44	0.29	33	0.26	83	0.05	83	0.01
Kd of U-233 in Saturated Zone	80	-0.07	77	-0.05	86	-0.04	86	-0.01
Kd of U-234 in Saturated Zone	77	-0.08	73	-0.07	40	-0.23	39	-0.05
Kd of U-235 in Saturated Zone	61	-0.17	62	-0.13	10	-0.49	11	-0.12
Kd of U-238 in Saturated Zone	14	-0.52	3	-1.16	57	0.14	57	0.03
Plant transfer factor for Ac	42	-0.31	46	-0.20	75	-0.08	75	-0.02
Meat transfer factor for Ac	21	0.44	24	0.37	87	0.04	87	0.01
Milk transfer factor for Ac	70	-0.13	70	-0.09	6	-0.54	6	-0.14
Fish transfer factor for Ac	63	-0.16	61	-0.13	39	0.24	40	0.05
Plant transfer factor for Am	88	0.01	89	0.01	37	0.25	37	0.06
Meat transfer factor for Am	13	-0.52	19	-0.45	65	-0.11	65	-0.03
Milk transfer factor for Am	39	-0.32	44	-0.21	55	-0.14	54	-0.03
Fish transfer factor for Am	9	0.54	17	0.49	51	0.16	51	0.04
Plant transfer factor for Pb	85	-0.04	83	-0.04	5	0.60	5	0.16
Meat transfer factor for Pb	23	0.43	32	0.28	59	-0.13	58	-0.03
Milk transfer factor for Pb	56	-0.20	60	-0.13	60	0.13	60	0.03
Fish transfer factor for Pb	24	-0.42	34	-0.26	48	0.19	47	0.04
Plant transfer factor for Np	27	-0.41	18	-0.47	28	-0.27	28	-0.06
Meat transfer factor for Np	69	0.14	69	0.09	46	-0.20	46	-0.05
Milk transfer factor for Np	67	0.14	68	0.09	7	-0.50	7	-0.12
Fish transfer factor for Np	84	-0.05	81	-0.05	79	0.07	79	0.01
Plant transfer factor for Pu	17	-0.48	22	-0.41	13	-0.43	13	-0.10
Meat transfer factor for Pu	79	0.07	84	0.04	42	0.22	42	0.05
Milk transfer factor for Pu	75	0.09	80	0.05	17	-0.39	17	-0.09
Fish transfer factor for Pu	51	0.23	54	0.16	36	0.25	36	0.06
Plant transfer factor for Pa	83	0.06	78	0.05	56	-0.14	56	-0.03
Meat transfer factor for Pa	26	0.41	37	0.26	54	-0.14	55	-0.03
Milk transfer factor for Pa	31	0.38	42	0.23	58	-0.13	59	-0.03
Fish transfer factor for Pa	46	-0.28	48	-0.20	68	-0.10	68	-0.02
Plant transfer factor for Ra	34	-0.36	49	-0.19	78	0.07	78	0.01
Meat transfer factor for Ra	76	-0.09	74	-0.06	85	-0.04	85	-0.01
Milk transfer factor for Ra	20	-0.44	31	-0.28	25	0.30	25	0.07
Fish transfer factor for Ra	38	-0.33	47	-0.20	84	-0.05	84	-0.01
Plant transfer factor for Tc	50	-0.24	40	-0.24	80	-0.07	80	-0.01
Meat transfer factor for Tc	72	0.12	72	0.07	21	-0.35	21	-0.08
Milk transfer factor for Tc	55	0.20	65	0.11	53	0.15	53	0.03
Fish transfer factor for Tc	68	0.14	63	0.13	50	0.16	50	0.04
Plant transfer factor for Th	41	-0.32	35	-0.26	77	0.07	76	0.01
Meat transfer factor for Th	87	0.03	87	0.02	81	0.06	81	0.01
Milk transfer factor for Th	57	0.20	56	0.15	63	-0.13	61	-0.03
Fish transfer factor for Th	58	-0.20	59	-0.13	64	0.12	64	0.03
Plant transfer factor for U	54	-0.20	58	-0.14	44	-0.21	44	-0.05
Meat transfer factor for U	66	-0.15	71	-0.08	70	0.09	70	0.02
Milk transfer factor for U	82	-0.06	85	-0.03	45	0.21	43	0.05
Fish transfer factor for U	71	0.12	67	0.10	22	-0.33	22	-0.08
Well pumping rate	78	-0.07	79	-0.05	82	-0.06	82	-0.01
Mass loading for inhalation	74	-0.10	82	-0.05	27	-0.28	27	-0.06
Indoor dust filtration factor	62	-0.17	64	-0.11	61	-0.13	62	-0.03
Depth of soil mixing layer	37	0.34	45	0.21	29	0.27	31	0.06
Depth of roots	43	0.31	38	0.25	14	0.43	14	0.10
Wet weight crop yield of fruit, grain and non-leafy vegetables	12	-0.52	25	-0.36	12	0.45	12	0.11
Weathering removal constant of all vegetation	7	0.59	16	0.50	23	0.31	23	0.07
Wet foliar interception fraction of leafy vegetables	1	0.74	10	0.67	19	0.38	18	0.09

R-SQUARE 0.90 0.90 0.96 0.96

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.



Coefficients for peak Soil Ingestion Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	55	-0.16	62	-0.11	68	0.07	68	0.02
Kd of Ac-227 in Unsaturated Zone 1	67	-0.09	67	-0.09	40	-0.21	41	-0.05
Kd of Ac-227 in Saturated Zone	9	0.48	14	0.62	33	-0.25	33	-0.06
Kd of Am-241 in Contaminated Zone	73	-0.07	73	-0.07	85	0.03	85	0.01
Kd of Am-241 in Unsaturated Zone 1	39	0.22	1	14.52	34	-0.24	34	-0.06
Kd of Am-241 in Saturated Zone	89	-0.01	88	0.00	24	-0.32	24	-0.08
Kd of Np-237 in Contaminated Zone	40	-0.22	52	-0.17	74	0.05	74	0.01
Kd of Np-237 in Unsaturated Zone 1	34	-0.27	30	-0.32	79	-0.04	79	-0.01
Kd of Np-237 in Saturated Zone	53	0.16	48	0.19	17	0.41	17	0.10
Kd of Pa-231 in Contaminated Zone	51	-0.17	56	-0.14	2	0.88	2	0.42
Kd of Pa-231 in Unsaturated Zone 1	21	-0.37	16	-0.57	49	-0.17	49	-0.04
Kd of Pa-231 in Saturated Zone	24	-0.33	21	-0.46	86	-0.02	86	-0.01
Kd of Pb-210 in Contaminated Zone	87	-0.01	87	-0.01	9	0.48	10	0.12
Kd of Pb-210 in Unsaturated Zone 1	7	-0.49	3	-1.02	57	0.14	57	0.03
Kd of Pb-210 in Saturated Zone	15	0.42	19	0.50	72	-0.06	72	-0.01
Kd of Pu-239 in Contaminated Zone	17	-0.39	18	-0.51	66	0.08	67	0.02
Kd of Pu-239 in Unsaturated Zone 1	79	-0.04	81	-0.03	27	0.30	27	0.07
Kd of Pu-239 in Saturated Zone	38	-0.23	43	-0.23	70	0.07	70	0.02
Kd of Ra-226 in Contaminated Zone	1	-0.59	9	-0.66	47	-0.18	47	-0.04
Kd of Ra-226 in Unsaturated Zone 1	49	0.18	49	0.18	6	-0.55	6	-0.15
Kd of Ra-226 in Saturated Zone	48	-0.18	46	-0.20	43	-0.19	43	-0.04
Kd of Ra-228 in Contaminated Zone	58	-0.14	57	-0.14	18	0.39	18	0.10
Kd of Ra-228 in Unsaturated Zone 1	47	-0.19	31	-0.32	80	0.03	80	0.01
Kd of Ra-228 in Saturated Zone	84	-0.03	84	-0.02	50	0.17	50	0.04
Kd of Tc-99 in Saturated Zone	82	0.03	83	0.03	32	-0.25	32	-0.06
Kd of Th-228 in Contaminated Zone	27	-0.32	33	-0.31	29	0.28	29	0.07
Kd of Th-228 in Unsaturated Zone 1	30	-0.31	13	-0.63	61	-0.14	60	-0.03
Kd of Th-228 in Saturated Zone	77	-0.05	79	-0.04	84	-0.03	84	-0.01
Kd of Th-229 in Contaminated Zone	57	0.15	58	0.13	56	-0.14	59	-0.03
Kd of Th-229 in Unsaturated Zone 1	13	0.43	24	0.42	83	-0.03	83	-0.01
Kd of Th-229 in Saturated Zone	78	-0.04	76	-0.05	38	-0.22	38	-0.05
Kd of Th-230 in Contaminated Zone	35	-0.26	40	-0.28	3	0.78	3	0.29
Kd of Th-230 in Unsaturated Zone 1	85	-0.02	86	-0.01	52	0.16	52	0.04
Kd of Th-230 in Saturated Zone	70	0.08	54	0.15	58	0.14	61	0.03
Kd of Th-232 in Contaminated Zone	8	0.49	7	0.71	1	0.92	1	0.54
Kd of Th-232 in Unsaturated Zone 1	41	-0.21	2	*****	8	-0.55	7	-0.15
Kd of Th-232 in Saturated Zone	88	0.01	89	0.00	65	-0.08	66	-0.02
Kd of U-233 in Saturated Zone	3	-0.52	15	-0.60	75	-0.05	76	-0.01
Kd of U-234 in Saturated Zone	80	0.04	77	0.05	5	0.56	5	0.16
Kd of U-235 in Saturated Zone	52	-0.16	35	-0.30	82	-0.03	82	-0.01
Kd of U-238 in Saturated Zone	32	0.28	17	0.54	13	-0.44	13	-0.11
Plant transfer factor for Ac	71	-0.07	64	-0.11	36	0.23	36	0.05
Meat transfer factor for Ac	81	-0.03	80	-0.04	81	-0.03	81	-0.01
Milk transfer factor for Ac	23	0.34	34	0.30	16	0.43	16	0.11
Fish transfer factor for Ac	4	0.50	6	0.86	51	0.17	51	0.04
Plant transfer factor for Am	59	-0.14	60	-0.12	78	0.04	78	0.01
Meat transfer factor for Am	11	0.45	12	0.64	48	0.17	48	0.04
Milk transfer factor for Am	50	0.18	42	0.24	28	0.29	28	0.07
Fish transfer factor for Am	22	0.35	28	0.37	19	0.39	20	0.10
Plant transfer factor for Pb	6	-0.49	5	-0.96	44	-0.19	45	-0.04
Meat transfer factor for Pb	14	-0.42	20	-0.50	67	-0.08	65	-0.02
Milk transfer factor for Pb	61	0.13	59	0.13	21	-0.38	21	-0.09
Fish transfer factor for Pb	16	-0.40	39	-0.29	46	0.18	46	0.04
Plant transfer factor for Np	29	0.32	36	0.29	26	-0.30	26	-0.07
Meat transfer factor for Np	68	0.08	72	0.07	39	-0.21	39	-0.05
Milk transfer factor for Np	45	-0.20	32	-0.31	55	-0.15	56	-0.03
Fish transfer factor for Np	75	0.05	71	0.08	35	0.24	35	0.06
Plant transfer factor for Pu	44	-0.20	47	-0.19	25	0.32	25	0.08
Meat transfer factor for Pu	69	0.08	74	0.07	88	0.01	88	0.00
Milk transfer factor for Pu	2	0.56	10	0.65	10	0.47	9	0.12
Fish transfer factor for Pu	20	-0.37	41	-0.27	31	-0.26	31	-0.06
Plant transfer factor for Pa	37	0.23	45	0.21	15	-0.43	15	-0.11
Meat transfer factor for Pa	43	0.20	37	0.29	60	-0.14	58	-0.03
Milk transfer factor for Pa	56	0.15	44	0.22	89	0.01	89	0.00
Fish transfer factor for Pa	64	-0.10	69	-0.08	69	0.07	69	0.02
Plant transfer factor for Ra	12	0.44	8	0.68	23	-0.36	23	-0.09
Meat transfer factor for Ra	19	0.39	22	0.46	14	0.44	14	0.11
Milk transfer factor for Ra	46	-0.19	50	-0.18	20	-0.38	19	-0.10
Fish transfer factor for Ra	36	0.25	53	0.16	54	0.15	54	0.04
Plant transfer factor for Tc	76	0.05	78	0.05	76	0.05	75	0.01
Meat transfer factor for Tc	25	0.32	27	0.39	62	0.12	62	0.03
Milk transfer factor for Tc	54	-0.16	55	-0.15	41	-0.21	40	-0.05
Fish transfer factor for Tc	31	0.30	25	0.40	77	-0.05	77	-0.01
Plant transfer factor for Th	83	-0.03	82	-0.03	30	-0.27	30	-0.07
Meat transfer factor for Th	10	-0.47	4	-1.01	37	-0.23	37	-0.05
Milk transfer factor for Th	33	0.27	38	0.29	11	-0.46	11	-0.12
Fish transfer factor for Th	60	0.14	65	0.10	59	0.14	55	0.03
Plant transfer factor for U	18	0.39	26	0.39	73	-0.05	73	-0.01
Meat transfer factor for U	65	-0.10	63	-0.11	63	-0.12	63	-0.03
Milk transfer factor for U	66	0.09	66	0.09	45	-0.18	44	-0.04
Fish transfer factor for U	5	-0.49	11	-0.65	12	-0.45	12	-0.11
Well pumping rate	42	-0.20	51	-0.17	22	0.37	22	0.09
Mass loading for inhalation	72	0.07	68	0.08	42	-0.20	42	-0.05
Indoor dust filtration factor	74	-0.05	75	-0.06	4	-0.60	4	-0.17
Depth of soil mixing layer	63	0.11	61	0.11	71	0.06	71	0.01
Depth of roots	86	-0.01	85	-0.01	87	-0.02	87	-0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	26	0.32	29	0.34	7	-0.55	8	-0.15
Weathering removal constant of all vegetation	28	0.32	23	0.43	53	0.16	53	0.04
Wet foliar interception fraction of leafy vegetables	62	-0.12	70	-0.08	64	0.10	64	0.02

R-SQUARE 0.81 0.81 0.95 0.95

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Water Ingestion Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	49	0.22	58	0.09	86	0.02	86	0.00
Kd of Ac-227 in Unsaturated Zone 1	84	0.02	85	0.01	21	-0.45	21	-0.11
Kd of Ac-227 in Saturated Zone	1	0.84	1	0.82	40	0.26	40	0.06
Kd of Am-241 in Contaminated Zone	13	-0.45	12	-0.27	46	-0.23	46	-0.05
Kd of Am-241 in Unsaturated Zone 1	52	0.20	22	0.21	75	-0.08	75	-0.02
Kd of Am-241 in Saturated Zone	63	-0.13	11	-0.27	52	0.18	53	0.04
Kd of Np-237 in Contaminated Zone	56	-0.17	27	-0.19	2	-0.76	2	-0.25
Kd of Np-237 in Unsaturated Zone 1	66	-0.13	52	-0.10	1	-0.93	1	-0.55
Kd of Np-237 in Saturated Zone	75	-0.08	76	-0.04	18	-0.48	17	-0.12
Kd of Pa-231 in Contaminated Zone	43	-0.24	45	-0.12	44	-0.25	44	-0.06
Kd of Pa-231 in Unsaturated Zone 1	79	-0.04	67	-0.07	5	-0.63	6	-0.18
Kd of Pa-231 in Saturated Zone	87	0.00	87	0.00	4	-0.65	4	-0.19
Kd of Pb-210 in Contaminated Zone	22	0.37	17	0.23	9	-0.59	9	-0.16
Kd of Pb-210 in Unsaturated Zone 1	4	0.64	2	0.74	15	-0.52	15	-0.13
Kd of Pb-210 in Saturated Zone	15	0.44	6	0.37	55	0.17	56	0.04
Kd of Pu-239 in Contaminated Zone	86	-0.02	83	-0.01	47	-0.23	47	-0.05
Kd of Pu-239 in Unsaturated Zone 1	69	0.11	71	0.07	85	0.04	85	0.01
Kd of Pu-239 in Saturated Zone	82	-0.03	81	-0.02	34	-0.30	34	-0.07
Kd of Ra-226 in Contaminated Zone	71	0.10	68	0.07	24	-0.37	24	-0.09
Kd of Ra-226 in Unsaturated Zone 1	30	0.31	26	0.20	38	-0.27	38	-0.06
Kd of Ra-226 in Saturated Zone	60	-0.15	59	-0.09	70	0.12	70	0.03
Kd of Ra-228 in Contaminated Zone	72	-0.09	57	-0.09	64	-0.15	64	-0.03
Kd of Ra-228 in Unsaturated Zone 1	32	-0.31	43	-0.13	89	0.00	89	0.00
Kd of Ra-228 in Saturated Zone	41	-0.25	34	-0.17	84	-0.05	84	-0.01
Kd of Tc-99 in Saturated Zone	44	-0.23	49	-0.11	12	0.55	12	0.14
Kd of Th-228 in Contaminated Zone	38	0.27	60	0.09	74	-0.11	74	-0.02
Kd of Th-228 in Unsaturated Zone 1	59	-0.15	35	-0.16	23	-0.39	23	-0.09
Kd of Th-228 in Saturated Zone	12	-0.49	4	-0.49	76	-0.08	76	-0.02
Kd of Th-229 in Contaminated Zone	83	0.03	84	0.01	56	-0.17	57	-0.04
Kd of Th-229 in Unsaturated Zone 1	55	0.18	28	0.19	17	0.48	18	0.12
Kd of Th-229 in Saturated Zone	61	0.14	74	0.05	66	0.14	66	0.03
Kd of Th-230 in Contaminated Zone	64	-0.13	64	-0.08	33	-0.32	33	-0.07
Kd of Th-230 in Unsaturated Zone 1	39	0.25	25	0.20	78	-0.08	78	-0.02
Kd of Th-230 in Saturated Zone	88	0.00	88	0.00	14	-0.53	14	-0.14
Kd of Th-232 in Contaminated Zone	89	0.00	89	0.00	80	0.07	80	0.02
Kd of Th-232 in Unsaturated Zone 1	80	0.04	79	0.02	48	0.21	48	0.05
Kd of Th-232 in Saturated Zone	51	0.20	56	0.10	39	-0.26	39	-0.06
Kd of U-233 in Saturated Zone	5	0.62	7	0.37	79	-0.07	79	-0.02
Kd of U-234 in Saturated Zone	74	0.08	46	0.12	54	0.17	54	0.04
Kd of U-235 in Saturated Zone	67	-0.13	51	-0.10	19	0.47	20	0.12
Kd of U-238 in Saturated Zone	37	0.28	30	0.18	29	0.34	29	0.08
Plant transfer factor for Ac	45	0.23	50	0.10	6	-0.63	5	-0.18
Meat transfer factor for Ac	53	0.19	65	0.08	72	0.11	73	0.02
Milk transfer factor for Ac	58	-0.16	53	-0.10	27	0.35	28	0.08
Fish transfer factor for Ac	19	-0.39	19	-0.22	59	0.15	59	0.03
Plant transfer factor for Am	28	-0.35	39	-0.15	71	-0.11	71	-0.02
Meat transfer factor for Am	48	0.22	37	0.15	61	0.15	61	0.03
Milk transfer factor for Am	57	0.16	61	0.08	88	0.00	88	0.00
Fish transfer factor for Am	24	0.36	18	0.23	37	-0.27	37	-0.06
Plant transfer factor for Pb	3	-0.68	3	-0.59	35	0.29	35	0.07
Meat transfer factor for Pb	76	-0.08	77	-0.03	16	-0.52	16	-0.13
Milk transfer factor for Pb	85	0.02	86	0.01	51	-0.18	52	-0.04
Fish transfer factor for Pb	20	-0.39	31	-0.18	8	-0.60	7	-0.17
Plant transfer factor for Np	29	0.35	33	0.17	69	-0.12	69	-0.03
Meat transfer factor for Np	70	-0.11	75	-0.04	58	-0.16	60	-0.03
Milk transfer factor for Np	7	0.56	10	0.29	82	-0.07	83	-0.01
Fish transfer factor for Np	81	0.03	78	0.03	68	0.13	68	0.03
Plant transfer factor for Pu	34	0.30	44	0.13	83	-0.06	81	-0.01
Meat transfer factor for Pu	33	-0.30	47	-0.11	53	-0.18	51	-0.04
Milk transfer factor for Pu	21	0.37	29	0.19	22	-0.41	22	-0.10
Fish transfer factor for Pu	50	0.21	69	0.07	81	0.07	82	0.01
Plant transfer factor for Pa	25	-0.36	24	-0.21	73	0.11	72	0.02
Meat transfer factor for Pa	11	-0.52	23	-0.21	67	-0.13	67	-0.03
Milk transfer factor for Pa	47	-0.23	54	-0.10	77	-0.08	77	-0.02
Fish transfer factor for Pa	36	-0.29	21	-0.22	45	-0.24	45	-0.05
Plant transfer factor for Ra	23	-0.37	32	-0.18	43	-0.25	42	-0.06
Meat transfer factor for Ra	62	0.14	63	0.08	30	0.33	31	0.08
Milk transfer factor for Ra	6	-0.60	8	-0.34	63	0.15	62	0.03
Fish transfer factor for Ra	73	0.09	70	0.07	26	0.36	26	0.08
Plant transfer factor for Tc	68	-0.12	72	-0.06	36	0.28	36	0.06
Meat transfer factor for Tc	14	0.45	13	0.25	7	0.60	8	0.16
Milk transfer factor for Tc	31	-0.31	41	-0.14	13	-0.54	13	-0.14
Fish transfer factor for Tc	10	-0.52	15	-0.24	10	-0.58	11	-0.15
Plant transfer factor for Th	40	-0.25	48	-0.11	41	-0.25	41	-0.06
Meat transfer factor for Th	16	0.42	16	0.23	42	-0.25	43	-0.06
Milk transfer factor for Th	27	0.35	40	0.14	11	0.57	10	0.15
Fish transfer factor for Th	35	-0.29	42	-0.14	60	0.15	58	0.03
Plant transfer factor for U	18	0.40	36	0.15	62	0.15	63	0.03
Meat transfer factor for U	42	0.24	55	0.10	87	-0.01	87	0.00
Milk transfer factor for U	54	0.18	66	0.08	28	0.35	27	0.08
Fish transfer factor for U	8	-0.54	14	-0.25	31	-0.33	30	-0.08
Well pumping rate	77	0.05	80	0.02	57	-0.17	55	-0.04
Mass loading for inhalation	2	-0.68	9	-0.33	65	-0.14	65	-0.03
Indoor dust filtration factor	26	-0.36	38	-0.15	25	0.37	25	0.09
Depth of soil mixing layer	65	0.13	73	0.05	49	0.20	49	0.04
Depth of roots	46	-0.23	62	-0.08	20	-0.46	19	-0.12
Wet weight crop yield of fruit, grain and non-leafy vegetables	78	-0.04	82	-0.02	50	0.20	50	0.04
Weathering removal constant of all vegetation	17	0.40	20	0.22	32	0.32	32	0.08
Wet foliar interception fraction of leafy vegetables	9	-0.52	5	-0.39	3	-0.65	3	-0.19

R-SQUARE 0.96 0.96 0.96 0.96

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Water Ingestion Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	52	-0.24	35	-0.18	5	0.69	5	0.19
Kd of Ac-227 in Unsaturated Zone 1	81	-0.08	75	-0.05	66	-0.13	67	-0.03
Kd of Ac-227 in Saturated Zone	6	-0.59	25	-0.22	89	0.00	89	0.00
Kd of Am-241 in Contaminated Zone	61	0.18	65	0.08	72	0.08	72	0.02
Kd of Am-241 in Unsaturated Zone 1	44	0.29	5	0.62	62	-0.14	62	-0.03
Kd of Am-241 in Saturated Zone	50	-0.26	32	-0.19	38	-0.32	39	-0.07
Kd of Np-237 in Contaminated Zone	4	-0.63	10	-0.47	2	-0.83	2	-0.29
Kd of Np-237 in Unsaturated Zone 1	68	0.15	72	0.06	1	-0.94	1	-0.57
Kd of Np-237 in Saturated Zone	12	-0.54	7	-0.53	4	-0.80	3	-0.27
Kd of Pa-231 in Contaminated Zone	49	-0.26	48	-0.13	85	-0.03	85	-0.01
Kd of Pa-231 in Unsaturated Zone 1	80	0.09	79	0.04	3	-0.81	4	-0.27
Kd of Pa-231 in Saturated Zone	43	0.29	45	0.14	77	-0.07	77	-0.01
Kd of Pb-210 in Contaminated Zone	20	0.47	3	0.73	50	0.23	50	0.05
Kd of Pb-210 in Unsaturated Zone 1	13	-0.51	18	-0.36	63	-0.14	63	-0.03
Kd of Pb-210 in Saturated Zone	8	0.56	20	0.29	40	-0.31	40	-0.07
Kd of Pu-239 in Contaminated Zone	25	-0.41	30	-0.20	42	-0.31	43	-0.06
Kd of Pu-239 in Unsaturated Zone 1	71	0.13	60	0.09	21	-0.45	23	-0.10
Kd of Pu-239 in Saturated Zone	29	0.39	8	0.51	37	0.32	37	0.07
Kd of Ra-226 in Contaminated Zone	21	0.45	26	0.21	81	-0.06	81	-0.01
Kd of Ra-226 in Unsaturated Zone 1	3	0.65	11	0.47	86	-0.03	86	-0.01
Kd of Ra-226 in Saturated Zone	5	0.59	1	1.12	9	0.55	10	0.13
Kd of Ra-228 in Contaminated Zone	41	-0.30	4	-0.62	61	-0.18	61	-0.04
Kd of Ra-228 in Unsaturated Zone 1	26	0.41	29	0.21	88	-0.02	88	0.00
Kd of Ra-228 in Saturated Zone	16	0.50	15	0.37	23	-0.45	21	-0.10
Kd of Tc-99 in Saturated Zone	78	0.10	66	0.08	8	0.56	8	0.13
Kd of Th-228 in Contaminated Zone	65	0.16	68	0.07	79	0.07	79	0.01
Kd of Th-228 in Unsaturated Zone 1	34	-0.33	37	-0.18	78	0.07	78	0.01
Kd of Th-228 in Saturated Zone	55	0.23	54	0.10	11	0.54	11	0.13
Kd of Th-229 in Contaminated Zone	7	0.56	17	0.36	30	-0.38	30	-0.08
Kd of Th-229 in Unsaturated Zone 1	74	-0.11	80	-0.04	34	-0.35	34	-0.07
Kd of Th-229 in Saturated Zone	31	-0.35	6	-0.59	52	0.21	52	0.04
Kd of Th-230 in Contaminated Zone	35	0.31	21	0.27	58	0.18	59	0.04
Kd of Th-230 in Unsaturated Zone 1	14	-0.51	9	-0.48	19	0.45	20	0.10
Kd of Th-230 in Saturated Zone	10	-0.55	2	-0.93	73	-0.08	75	-0.02
Kd of Th-232 in Contaminated Zone	66	0.16	64	0.08	84	-0.04	84	-0.01
Kd of Th-232 in Unsaturated Zone 1	89	-0.01	89	0.00	43	-0.31	42	-0.07
Kd of Th-232 in Saturated Zone	42	-0.29	40	-0.18	31	-0.37	32	-0.08
Kd of U-233 in Saturated Zone	39	0.30	36	0.18	28	-0.40	28	-0.09
Kd of U-234 in Saturated Zone	37	-0.30	31	-0.20	49	-0.24	49	-0.05
Kd of U-235 in Saturated Zone	57	-0.22	52	-0.11	13	-0.53	13	-0.12
Kd of U-238 in Saturated Zone	38	-0.30	13	-0.42	17	-0.48	17	-0.11
Plant transfer factor for Ac	64	0.16	71	0.07	87	0.03	87	0.01
Meat transfer factor for Ac	60	-0.19	55	-0.10	82	0.05	82	0.01
Milk transfer factor for Ac	87	-0.04	87	-0.02	67	-0.13	66	-0.03
Fish transfer factor for Ac	47	-0.27	42	-0.15	20	-0.45	22	-0.10
Plant transfer factor for Am	62	0.18	63	0.08	16	0.50	15	0.12
Meat transfer factor for Am	70	0.14	69	0.07	6	-0.60	6	-0.15
Milk transfer factor for Am	23	-0.42	33	-0.19	44	0.30	44	0.06
Fish transfer factor for Am	24	0.41	23	0.23	10	0.55	9	0.13
Plant transfer factor for Pb	67	0.16	57	0.10	32	0.37	31	0.08
Meat transfer factor for Pb	2	0.68	16	0.37	15	-0.50	14	-0.12
Milk transfer factor for Pb	17	-0.49	22	-0.24	59	-0.18	58	-0.04
Fish transfer factor for Pb	30	-0.36	43	-0.14	7	-0.56	7	-0.14
Plant transfer factor for Np	15	0.50	14	0.40	22	0.45	19	0.10
Meat transfer factor for Np	27	-0.41	34	-0.19	55	0.19	56	0.04
Milk transfer factor for Np	88	-0.02	88	-0.01	47	-0.27	47	-0.06
Fish transfer factor for Np	82	-0.07	78	-0.04	26	0.42	26	0.09
Plant transfer factor for Pu	40	0.30	41	0.16	65	-0.13	65	-0.03
Meat transfer factor for Pu	36	-0.31	51	-0.12	36	-0.33	36	-0.07
Milk transfer factor for Pu	45	0.28	53	0.11	48	-0.26	48	-0.05
Fish transfer factor for Pu	84	-0.06	85	-0.03	18	0.46	18	0.10
Plant transfer factor for Pa	58	-0.21	49	-0.13	27	-0.42	27	-0.09
Meat transfer factor for Pa	76	-0.10	82	-0.04	33	0.36	33	0.08
Milk transfer factor for Pa	32	-0.34	47	-0.13	35	-0.34	35	-0.07
Fish transfer factor for Pa	59	0.20	59	0.09	60	-0.18	60	-0.04
Plant transfer factor for Ra	19	-0.47	39	-0.18	74	-0.08	74	-0.02
Meat transfer factor for Ra	86	-0.05	86	-0.02	24	0.44	24	0.10
Milk transfer factor for Ra	77	-0.10	81	-0.04	14	-0.50	16	-0.12
Fish transfer factor for Ra	18	0.48	28	0.21	64	0.14	64	0.03
Plant transfer factor for Tc	79	-0.09	73	-0.06	45	-0.28	45	-0.06
Meat transfer factor for Tc	54	-0.23	58	-0.10	12	0.54	12	0.13
Milk transfer factor for Tc	69	0.14	76	0.05	41	-0.31	41	-0.07
Fish transfer factor for Tc	72	0.12	67	0.08	29	0.39	29	0.08
Plant transfer factor for Th	53	-0.23	50	-0.12	56	0.19	55	0.04
Meat transfer factor for Th	56	-0.22	56	-0.10	46	-0.27	46	-0.06
Milk transfer factor for Th	48	0.27	44	0.14	80	0.06	80	0.01
Fish transfer factor for Th	1	-0.73	12	-0.46	39	-0.32	38	-0.07
Plant transfer factor for U	9	-0.56	19	-0.29	68	-0.13	68	-0.03
Meat transfer factor for U	51	0.24	61	0.09	25	-0.43	25	-0.09
Milk transfer factor for U	11	-0.55	27	-0.21	75	0.08	73	0.02
Fish transfer factor for U	85	0.06	83	0.03	70	0.10	70	0.02
Well pumping rate	22	0.44	24	0.23	51	0.23	51	0.05
Mass loading for inhalation	46	-0.27	62	-0.08	83	-0.05	83	-0.01
Indoor dust filtration factor	73	0.11	77	0.05	53	0.20	53	0.04
Depth of soil mixing layer	33	-0.33	46	-0.13	54	0.19	54	0.04
Depth of roots	75	0.11	74	0.06	76	0.07	76	0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	63	-0.18	70	-0.07	57	0.19	57	0.04
Weathering removal constant of all vegetation	83	0.07	84	0.03	69	-0.12	69	-0.02
Wet foliar interception fraction of leafy vegetables	28	-0.40	38	-0.18	71	0.10	71	0.02

R-SQUARE 0.96 0.96 0.96 0.96

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Water Ingestion Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	29	-0.24	46	-0.09	65	-0.15	65	-0.03
Kd of Ac-227 in Unsaturated Zone 1	66	0.07	69	0.04	31	-0.40	31	-0.09
Kd of Ac-227 in Saturated Zone	14	-0.38	16	-0.26	6	-0.72	6	-0.23
Kd of Am-241 in Contaminated Zone	40	-0.18	41	-0.10	29	0.41	30	0.10
Kd of Am-241 in Unsaturated Zone 1	70	0.05	1	1.87	37	0.35	37	0.08
Kd of Am-241 in Saturated Zone	89	0.00	89	0.00	32	-0.40	32	-0.09
Kd of Np-237 in Contaminated Zone	63	0.10	67	0.04	2	-0.81	2	-0.30
Kd of Np-237 in Unsaturated Zone 1	65	0.08	65	0.05	1	-0.85	1	-0.34
Kd of Np-237 in Saturated Zone	22	0.30	23	0.20	3	-0.81	3	-0.30
Kd of Pa-231 in Contaminated Zone	11	0.41	21	0.21	34	-0.38	34	-0.09
Kd of Pa-231 in Unsaturated Zone 1	10	-0.41	9	-0.36	5	-0.75	5	-0.24
Kd of Pa-231 in Saturated Zone	58	-0.11	49	-0.09	73	0.11	73	0.02
Kd of Pb-210 in Contaminated Zone	45	-0.16	53	-0.08	15	-0.51	16	-0.13
Kd of Pb-210 in Unsaturated Zone 1	85	0.01	84	0.01	45	-0.29	45	-0.06
Kd of Pb-210 in Saturated Zone	60	-0.11	56	-0.07	42	-0.31	43	-0.07
Kd of Pu-239 in Contaminated Zone	69	-0.06	70	-0.04	51	0.24	51	0.05
Kd of Pu-239 in Unsaturated Zone 1	86	0.01	86	0.00	80	-0.07	80	-0.01
Kd of Pu-239 in Saturated Zone	77	-0.04	78	-0.02	49	-0.27	49	-0.06
Kd of Ra-226 in Contaminated Zone	81	0.03	82	0.02	72	-0.12	72	-0.03
Kd of Ra-226 in Unsaturated Zone 1	7	0.44	15	0.27	86	0.03	86	0.01
Kd of Ra-226 in Saturated Zone	61	-0.11	57	-0.07	38	0.35	38	0.08
Kd of Ra-228 in Contaminated Zone	43	0.17	45	0.10	76	0.09	76	0.02
Kd of Ra-228 in Unsaturated Zone 1	3	0.52	5	0.58	78	0.08	78	0.02
Kd of Ra-228 in Saturated Zone	59	0.11	61	0.06	7	0.68	7	0.20
Kd of Tc-99 in Saturated Zone	83	0.02	85	0.01	19	0.49	19	0.12
Kd of Th-228 in Contaminated Zone	34	-0.21	40	-0.11	57	-0.18	58	-0.04
Kd of Th-228 in Unsaturated Zone 1	48	0.15	27	0.17	60	-0.18	59	-0.04
Kd of Th-228 in Saturated Zone	23	-0.29	29	-0.15	66	0.14	66	0.03
Kd of Th-229 in Contaminated Zone	44	-0.17	52	-0.08	82	0.07	82	0.01
Kd of Th-229 in Unsaturated Zone 1	24	0.28	30	0.15	25	0.45	23	0.11
Kd of Th-229 in Saturated Zone	75	-0.04	75	-0.03	88	-0.01	88	0.00
Kd of Th-230 in Contaminated Zone	67	-0.07	68	-0.04	13	-0.51	14	-0.13
Kd of Th-230 in Unsaturated Zone 1	42	-0.17	54	-0.08	17	-0.49	18	-0.12
Kd of Th-230 in Saturated Zone	27	0.25	17	0.26	8	-0.64	8	-0.18
Kd of Th-232 in Contaminated Zone	30	-0.23	26	-0.17	26	0.44	27	0.10
Kd of Th-232 in Unsaturated Zone 1	74	-0.04	2	-1.52	89	-0.01	89	0.00
Kd of Th-232 in Saturated Zone	53	0.13	64	0.05	20	-0.48	20	-0.12
Kd of U-233 in Saturated Zone	71	0.05	74	0.03	44	-0.30	44	-0.07
Kd of U-234 in Saturated Zone	56	-0.12	48	-0.09	11	0.58	11	0.15
Kd of U-235 in Saturated Zone	6	0.47	7	0.52	9	0.63	9	0.18
Kd of U-238 in Saturated Zone	4	-0.50	4	-0.62	54	-0.20	54	-0.04
Plant transfer factor for Ac	47	-0.16	33	-0.13	22	-0.47	22	-0.11
Meat transfer factor for Ac	84	0.02	83	0.01	52	-0.20	52	-0.04
Milk transfer factor for Ac	51	0.14	58	0.07	68	-0.14	68	-0.03
Fish transfer factor for Ac	88	0.00	87	0.00	39	0.34	39	0.08
Plant transfer factor for Am	5	-0.50	13	-0.29	71	-0.13	71	-0.03
Meat transfer factor for Am	64	-0.08	60	-0.06	48	0.27	48	0.06
Milk transfer factor for Am	54	0.13	43	0.10	41	0.32	41	0.07
Fish transfer factor for Am	18	-0.34	22	-0.20	40	-0.32	40	-0.07
Plant transfer factor for Pb	33	0.21	20	0.21	27	0.44	26	0.11
Meat transfer factor for Pb	9	0.44	12	0.29	30	-0.40	29	-0.10
Milk transfer factor for Pb	55	0.12	55	0.07	28	0.41	28	0.10
Fish transfer factor for Pb	1	0.93	3	0.95	46	0.27	46	0.06
Plant transfer factor for Np	25	0.27	32	0.14	74	-0.10	74	-0.02
Meat transfer factor for Np	19	-0.34	25	-0.17	36	-0.36	36	-0.08
Milk transfer factor for Np	17	0.35	11	0.32	56	-0.19	57	-0.04
Fish transfer factor for Np	2	-0.53	6	-0.54	16	-0.51	15	-0.13
Plant transfer factor for Pu	21	0.30	28	0.16	35	0.37	35	0.09
Meat transfer factor for Pu	39	0.18	50	0.08	83	0.06	83	0.01
Milk transfer factor for Pu	80	0.03	80	0.02	67	-0.14	67	-0.03
Fish transfer factor for Pu	20	-0.31	35	-0.13	10	0.61	10	0.16
Plant transfer factor for Pa	68	-0.07	71	-0.04	33	0.38	33	0.09
Meat transfer factor for Pa	32	-0.22	24	-0.18	21	0.47	21	0.12
Milk transfer factor for Pa	12	-0.40	10	-0.35	64	-0.15	63	-0.03
Fish transfer factor for Pa	31	-0.23	39	-0.11	43	-0.31	42	-0.07
Plant transfer factor for Ra	87	0.00	88	0.00	4	0.78	4	0.27
Meat transfer factor for Ra	82	0.03	81	0.02	63	-0.15	64	-0.03
Milk transfer factor for Ra	79	0.03	79	0.02	87	-0.02	87	0.00
Fish transfer factor for Ra	46	-0.16	62	-0.06	18	-0.49	17	-0.12
Plant transfer factor for Tc	35	-0.21	37	-0.12	70	0.13	69	0.03
Meat transfer factor for Tc	16	0.36	18	0.24	62	0.16	62	0.04
Milk transfer factor for Tc	62	-0.11	63	-0.06	53	0.20	53	0.04
Fish transfer factor for Tc	78	0.04	76	0.03	85	0.05	85	0.01
Plant transfer factor for Th	26	-0.26	31	-0.14	77	0.08	77	0.02
Meat transfer factor for Th	13	-0.38	8	-0.45	75	-0.10	75	-0.02
Milk transfer factor for Th	8	0.44	14	0.28	61	-0.17	61	-0.04
Fish transfer factor for Th	37	0.19	51	0.08	58	0.18	55	0.04
Plant transfer factor for U	73	-0.05	77	-0.03	50	0.25	50	0.06
Meat transfer factor for U	41	-0.18	38	-0.12	79	-0.07	79	-0.02
Milk transfer factor for U	72	-0.05	72	-0.03	55	0.19	56	0.04
Fish transfer factor for U	49	-0.15	44	-0.10	69	-0.14	70	-0.03
Well pumping rate	36	0.21	42	0.10	47	0.27	47	0.06
Mass loading for inhalation	38	-0.19	34	-0.13	14	-0.51	13	-0.13
Indoor dust filtration factor	50	-0.14	47	-0.09	59	0.18	60	0.04
Depth of soil mixing layer	57	0.11	59	0.06	24	0.45	25	0.11
Depth of roots	28	-0.24	36	-0.12	81	-0.07	81	-0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	0.36	19	0.22	12	0.54	12	0.14
Weathering removal constant of all vegetation	76	-0.04	73	-0.03	23	0.46	24	0.11
Wet foliar interception fraction of leafy vegetables	52	0.13	66	0.05	84	-0.06	84	-0.01

R-SQUARE 0.94 0.94 0.96 0.96

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Fish Ingestion Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	51	0.17	58	0.05	78	0.10	78	0.02
Kd of Ac-227 in Unsaturated Zone 1	67	0.08	72	0.02	27	-0.44	28	-0.10
Kd of Ac-227 in Saturated Zone	4	0.59	4	0.28	57	0.20	57	0.04
Kd of Am-241 in Contaminated Zone	29	-0.33	28	-0.13	49	-0.24	49	-0.05
Kd of Am-241 in Unsaturated Zone 1	38	0.22	17	0.17	62	-0.16	62	-0.03
Kd of Am-241 in Saturated Zone	70	-0.07	37	-0.10	44	0.27	44	0.06
Kd of Np-237 in Contaminated Zone	47	-0.19	20	-0.15	2	-0.76	2	-0.25
Kd of Np-237 in Unsaturated Zone 1	79	0.04	74	0.02	1	-0.92	1	-0.50
Kd of Np-237 in Saturated Zone	45	-0.19	49	-0.07	7	-0.61	7	-0.16
Kd of Pa-231 in Contaminated Zone	89	0.00	89	0.00	32	-0.36	32	-0.08
Kd of Pa-231 in Unsaturated Zone 1	72	-0.07	43	-0.09	9	-0.58	9	-0.15
Kd of Pa-231 in Saturated Zone	6	0.56	9	0.22	6	-0.64	6	-0.17
Kd of Pb-210 in Contaminated Zone	75	0.06	71	0.02	3	-0.69	3	-0.20
Kd of Pb-210 in Unsaturated Zone 1	7	0.55	2	0.41	5	-0.64	5	-0.18
Kd of Pb-210 in Saturated Zone	50	0.17	40	0.09	66	-0.15	66	-0.03
Kd of Pu-239 in Contaminated Zone	59	-0.11	53	-0.06	53	-0.21	54	-0.05
Kd of Pu-239 in Unsaturated Zone 1	1	0.86	1	0.70	85	-0.04	85	-0.01
Kd of Pu-239 in Saturated Zone	77	0.04	78	0.02	52	-0.22	52	-0.05
Kd of Ra-226 in Contaminated Zone	58	0.12	50	0.06	40	-0.29	40	-0.06
Kd of Ra-226 in Unsaturated Zone 1	30	0.31	27	0.14	46	-0.27	46	-0.06
Kd of Ra-226 in Saturated Zone	76	0.05	73	0.02	51	0.23	50	0.05
Kd of Ra-228 in Contaminated Zone	60	0.10	46	0.07	58	-0.18	59	-0.04
Kd of Ra-228 in Unsaturated Zone 1	69	-0.07	75	-0.02	82	0.08	82	0.02
Kd of Ra-228 in Saturated Zone	28	-0.35	15	-0.18	60	-0.17	61	-0.04
Kd of Tc-99 in Saturated Zone	3	-0.60	6	-0.24	14	0.56	14	0.14
Kd of Th-228 in Contaminated Zone	39	0.21	60	0.05	65	-0.15	65	-0.03
Kd of Th-228 in Unsaturated Zone 1	33	-0.30	8	-0.23	20	-0.48	21	-0.11
Kd of Th-228 in Saturated Zone	41	-0.20	31	-0.13	70	-0.13	70	-0.03
Kd of Th-229 in Contaminated Zone	73	-0.06	77	-0.02	34	-0.36	34	-0.08
Kd of Th-229 in Unsaturated Zone 1	48	0.18	23	0.14	41	0.28	41	0.06
Kd of Th-229 in Saturated Zone	53	0.16	62	0.04	63	0.16	63	0.03
Kd of Th-230 in Contaminated Zone	85	-0.01	84	-0.01	15	-0.55	15	-0.14
Kd of Th-230 in Unsaturated Zone 1	68	0.08	63	0.04	42	-0.28	42	-0.06
Kd of Th-230 in Saturated Zone	62	-0.10	64	-0.04	25	-0.45	25	-0.11
Kd of Th-232 in Contaminated Zone	83	-0.02	85	-0.01	69	-0.13	68	-0.03
Kd of Th-232 in Unsaturated Zone 1	82	0.02	82	0.01	64	0.15	64	0.03
Kd of Th-232 in Saturated Zone	66	0.08	67	0.03	30	-0.39	30	-0.09
Kd of U-233 in Saturated Zone	5	0.58	7	0.24	89	0.00	89	0.00
Kd of U-234 in Saturated Zone	81	-0.03	68	-0.03	50	0.23	51	0.05
Kd of U-235 in Saturated Zone	87	-0.01	83	-0.01	33	0.36	33	0.08
Kd of U-238 in Saturated Zone	24	0.37	16	0.17	38	0.33	38	0.07
Plant transfer factor for Ac	42	0.20	52	0.06	26	-0.45	26	-0.11
Meat transfer factor for Ac	34	0.29	44	0.09	73	0.12	73	0.02
Milk transfer factor for Ac	80	-0.04	79	-0.02	35	0.35	35	0.08
Fish transfer factor for Ac	13	-0.45	13	-0.18	79	0.10	79	0.02
Plant transfer factor for Am	52	-0.17	59	-0.05	23	-0.46	23	-0.11
Meat transfer factor for Am	46	0.19	41	0.09	59	0.18	58	0.04
Milk transfer factor for Am	40	0.21	45	0.07	86	0.03	86	0.01
Fish transfer factor for Am	32	0.30	29	0.13	61	-0.17	60	-0.04
Plant transfer factor for Pb	8	-0.55	3	-0.29	22	0.47	22	0.11
Meat transfer factor for Pb	12	-0.47	26	-0.14	12	-0.56	12	-0.14
Milk transfer factor for Pb	65	-0.09	66	-0.03	81	-0.09	81	-0.02
Fish transfer factor for Pb	25	-0.36	33	-0.12	13	-0.56	13	-0.14
Plant transfer factor for Np	88	-0.01	88	0.00	84	-0.05	84	-0.01
Meat transfer factor for Np	36	0.23	48	0.07	56	-0.20	56	-0.04
Milk transfer factor for Np	14	0.44	22	0.15	77	-0.10	77	-0.02
Fish transfer factor for Np	22	0.38	5	0.25	8	0.59	8	0.15
Plant transfer factor for Pu	78	0.04	81	0.01	75	0.11	74	0.02
Meat transfer factor for Pu	74	-0.06	80	-0.02	45	-0.27	45	-0.06
Milk transfer factor for Pu	54	0.16	56	0.05	47	-0.25	47	-0.05
Fish transfer factor for Pu	55	-0.15	65	-0.04	68	0.13	69	0.03
Plant transfer factor for Pa	16	-0.42	14	-0.18	76	0.11	76	0.02
Meat transfer factor for Pa	21	-0.39	36	-0.10	48	-0.24	48	-0.05
Milk transfer factor for Pa	10	-0.54	11	-0.20	74	-0.11	75	-0.02
Fish transfer factor for Pa	49	-0.18	39	-0.10	54	-0.21	53	-0.05
Plant transfer factor for Ra	15	-0.44	19	-0.16	37	-0.33	37	-0.08
Meat transfer factor for Ra	56	0.12	57	0.05	71	0.12	72	0.03
Milk transfer factor for Ra	17	-0.42	21	-0.15	87	0.02	87	0.01
Fish transfer factor for Ra	61	0.10	55	0.06	17	0.52	17	0.12
Plant transfer factor for Tc	27	-0.36	32	-0.12	24	0.45	24	0.11
Meat transfer factor for Tc	35	0.26	38	0.10	11	0.56	11	0.14
Milk transfer factor for Tc	84	-0.02	86	0.00	10	-0.56	10	-0.14
Fish transfer factor for Tc	19	-0.41	30	-0.13	4	-0.67	4	-0.18
Plant transfer factor for Th	9	-0.55	10	-0.20	39	-0.29	39	-0.06
Meat transfer factor for Th	57	0.12	61	0.04	28	-0.44	27	-0.10
Milk transfer factor for Th	71	0.07	76	0.02	29	0.42	29	0.10
Fish transfer factor for Th	20	-0.41	25	-0.14	72	0.12	71	0.03
Plant transfer factor for U	2	0.60	12	0.19	67	0.15	67	0.03
Meat transfer factor for U	23	0.38	34	0.11	83	0.07	83	0.02
Milk transfer factor for U	43	-0.20	54	-0.06	31	0.38	31	0.09
Fish transfer factor for U	37	-0.22	51	-0.06	55	-0.20	55	-0.04
Well pumping rate	31	-0.31	42	-0.09	36	-0.34	36	-0.08
Mass loading for inhalation	11	-0.48	24	-0.14	80	-0.09	80	-0.02
Indoor dust filtration factor	64	-0.09	70	-0.02	16	0.52	16	0.13
Depth of soil mixing layer	63	-0.09	69	-0.03	43	0.28	43	0.06
Depth of roots	18	-0.42	35	-0.11	21	-0.48	20	-0.12
Wet weight crop yield of fruit, grain and non-leafy vegetables	86	-0.01	87	0.00	88	0.02	88	0.00
Weathering removal constant of all vegetation	44	0.20	47	0.07	19	0.49	19	0.12
Wet foliar interception fraction of leafy vegetables	26	-0.36	18	-0.17	18	-0.50	18	-0.12

R-SQUARE 0.98 0.98 0.96 0.96

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Fish Ingestion Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	65	-0.14	54	-0.09	6	0.80	6	0.16
Kd of Ac-227 in Unsaturated Zone 1	84	0.03	82	0.02	72	-0.17	72	-0.02
Kd of Ac-227 in Saturated Zone	6	-0.51	29	-0.15	83	0.04	84	0.01
Kd of Am-241 in Contaminated Zone	39	0.28	47	0.10	73	0.16	73	0.02
Kd of Am-241 in Unsaturated Zone 1	88	0.00	87	0.00	53	-0.31	53	-0.04
Kd of Am-241 in Saturated Zone	86	-0.01	86	0.00	28	-0.57	28	-0.09
Kd of Np-237 in Contaminated Zone	13	-0.46	10	-0.26	2	-0.91	2	-0.27
Kd of Np-237 in Unsaturated Zone 1	32	0.31	45	0.11	1	-0.98	1	-0.62
Kd of Np-237 in Saturated Zone	38	-0.28	15	-0.20	4	-0.89	4	-0.24
Kd of Pa-231 in Contaminated Zone	17	-0.42	18	-0.19	57	-0.24	57	-0.03
Kd of Pa-231 in Unsaturated Zone 1	74	0.09	75	0.04	5	-0.83	5	-0.19
Kd of Pa-231 in Saturated Zone	2	0.73	6	0.40	38	0.42	38	0.06
Kd of Pb-210 in Contaminated Zone	47	0.22	9	0.27	62	0.23	61	0.03
Kd of Pb-210 in Unsaturated Zone 1	45	-0.23	38	-0.12	58	-0.24	59	-0.03
Kd of Pb-210 in Saturated Zone	1	0.78	5	0.46	26	-0.59	26	-0.09
Kd of Pu-239 in Contaminated Zone	44	-0.23	55	-0.09	61	-0.23	60	-0.03
Kd of Pu-239 in Unsaturated Zone 1	51	0.21	34	0.13	27	-0.58	27	-0.09
Kd of Pu-239 in Saturated Zone	5	0.55	2	0.65	35	0.46	35	0.07
Kd of Ra-226 in Contaminated Zone	23	0.38	30	0.15	78	0.12	78	0.01
Kd of Ra-226 in Unsaturated Zone 1	20	0.39	16	0.20	81	0.09	81	0.01
Kd of Ra-226 in Saturated Zone	12	0.47	1	0.69	11	0.72	12	0.13
Kd of Ra-228 in Contaminated Zone	79	-0.06	48	-0.10	47	-0.36	48	-0.05
Kd of Ra-228 in Unsaturated Zone 1	64	0.15	65	0.06	59	-0.23	58	-0.03
Kd of Ra-228 in Saturated Zone	40	0.27	28	0.15	12	-0.71	13	-0.13
Kd of Tc-99 in Saturated Zone	81	0.04	79	0.03	9	0.73	9	0.14
Kd of Th-228 in Contaminated Zone	68	-0.13	70	-0.05	63	0.22	63	0.03
Kd of Th-228 in Unsaturated Zone 1	56	-0.19	58	-0.08	89	0.01	89	0.00
Kd of Th-228 in Saturated Zone	43	0.24	53	0.09	15	0.68	15	0.12
Kd of Th-229 in Contaminated Zone	76	0.08	74	0.04	45	-0.36	47	-0.05
Kd of Th-229 in Unsaturated Zone 1	62	-0.16	68	-0.05	54	-0.28	55	-0.04
Kd of Th-229 in Saturated Zone	63	-0.15	14	-0.21	74	0.13	74	0.02
Kd of Th-230 in Contaminated Zone	60	0.17	40	0.12	79	0.11	79	0.01
Kd of Th-230 in Unsaturated Zone 1	9	-0.48	7	-0.38	31	0.54	31	0.08
Kd of Th-230 in Saturated Zone	16	-0.43	4	-0.57	60	-0.23	62	-0.03
Kd of Th-232 in Contaminated Zone	61	0.17	60	0.07	88	-0.02	88	0.00
Kd of Th-232 in Unsaturated Zone 1	59	-0.18	66	-0.05	42	-0.40	39	-0.06
Kd of Th-232 in Saturated Zone	50	-0.21	46	-0.11	24	-0.60	24	-0.10
Kd of U-233 in Saturated Zone	37	0.28	31	0.14	71	-0.17	71	-0.02
Kd of U-234 in Saturated Zone	33	-0.30	26	-0.16	66	-0.19	66	-0.03
Kd of U-235 in Saturated Zone	69	-0.12	67	-0.05	18	-0.65	19	-0.11
Kd of U-238 in Saturated Zone	7	-0.49	3	-0.62	30	-0.54	30	-0.08
Plant transfer factor for Ac	73	0.09	76	0.03	75	-0.12	75	-0.02
Meat transfer factor for Ac	72	0.10	72	0.04	68	-0.19	68	-0.02
Milk transfer factor for Ac	78	0.07	81	0.03	48	-0.36	46	-0.05
Fish transfer factor for Ac	26	-0.36	24	-0.17	21	-0.61	21	-0.10
Plant transfer factor for Am	30	0.33	33	0.13	8	0.74	8	0.14
Meat transfer factor for Am	85	-0.02	85	-0.01	13	-0.71	11	-0.13
Milk transfer factor for Am	57	-0.18	61	-0.06	46	0.36	45	0.05
Fish transfer factor for Am	25	0.37	23	0.17	10	0.73	10	0.13
Plant transfer factor for Pb	52	0.21	44	0.11	51	0.32	50	0.04
Meat transfer factor for Pb	4	0.60	11	0.25	14	-0.70	14	-0.13
Milk transfer factor for Pb	14	-0.45	21	-0.18	41	-0.40	40	-0.05
Fish transfer factor for Pb	11	-0.47	25	-0.17	7	-0.78	7	-0.16
Plant transfer factor for Np	24	0.38	12	0.24	19	0.64	18	0.11
Meat transfer factor for Np	21	-0.39	27	-0.16	56	0.27	56	0.04
Milk transfer factor for Np	83	-0.03	84	-0.01	55	-0.28	54	-0.04
Fish transfer factor for Np	80	0.05	80	0.03	3	0.89	3	0.25
Plant transfer factor for Pu	48	0.22	50	0.10	29	-0.55	29	-0.08
Meat transfer factor for Pu	27	-0.36	37	-0.12	16	-0.68	16	-0.12
Milk transfer factor for Pu	36	0.28	52	0.09	25	-0.59	25	-0.09
Fish transfer factor for Pu	58	0.18	59	0.07	32	0.52	32	0.08
Plant transfer factor for Pa	89	0.00	89	0.00	23	-0.60	23	-0.10
Meat transfer factor for Pa	42	-0.25	57	-0.08	43	0.39	43	0.05
Milk transfer factor for Pa	35	-0.29	51	-0.09	33	-0.50	33	-0.07
Fish transfer factor for Pa	10	0.47	13	0.21	86	0.03	86	0.00
Plant transfer factor for Ra	71	-0.10	77	-0.03	67	0.19	67	0.02
Meat transfer factor for Ra	66	-0.14	64	-0.06	17	0.66	17	0.11
Milk transfer factor for Ra	82	0.04	83	0.01	20	-0.63	20	-0.10
Fish transfer factor for Ra	75	-0.09	78	-0.03	76	0.12	76	0.02
Plant transfer factor for Tc	49	-0.22	35	-0.12	34	-0.47	34	-0.07
Meat transfer factor for Tc	29	-0.33	36	-0.12	37	0.43	37	0.06
Milk transfer factor for Tc	54	0.20	63	0.06	52	-0.31	52	-0.04
Fish transfer factor for Tc	55	0.19	49	0.10	39	0.40	42	0.05
Plant transfer factor for Th	19	-0.40	17	-0.19	64	-0.21	64	-0.03
Meat transfer factor for Th	28	-0.34	32	-0.13	22	-0.60	22	-0.10
Milk transfer factor for Th	41	0.26	42	0.11	69	0.18	69	0.02
Fish transfer factor for Th	3	-0.62	8	-0.29	44	-0.38	44	-0.05
Plant transfer factor for U	15	-0.44	19	-0.18	80	-0.10	80	-0.01
Meat transfer factor for U	53	0.21	62	0.06	36	-0.44	36	-0.06
Milk transfer factor for U	22	-0.38	43	-0.11	40	0.40	41	0.05
Fish transfer factor for U	77	-0.08	73	-0.04	65	0.20	65	0.03
Well pumping rate	18	0.40	22	0.18	85	-0.04	85	0.00
Mass loading for inhalation	87	0.01	88	0.00	49	0.34	49	0.05
Indoor dust filtration factor	46	0.23	56	0.09	50	0.33	51	0.04
Depth of soil mixing layer	8	-0.49	20	-0.18	77	0.12	77	0.02
Depth of roots	70	0.11	69	0.05	70	0.18	70	0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	31	-0.32	41	-0.11	84	-0.04	83	-0.01
Weathering removal constant of all vegetation	34	0.29	39	0.12	87	0.03	87	0.00
Wet foliar interception fraction of leafy vegetables	67	-0.14	71	-0.05	82	0.05	82	0.01

R-SQUARE 0.97 0.97 0.99 0.99

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Fish Ingestion Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	34	-0.19	53	-0.08	69	-0.12	69	-0.03
Kd of Ac-227 in Unsaturated Zone 1	72	-0.07	71	-0.04	15	-0.52	15	-0.13
Kd of Ac-227 in Saturated Zone	33	-0.19	34	-0.14	4	-0.72	4	-0.23
Kd of Am-241 in Contaminated Zone	64	-0.08	69	-0.05	34	0.37	35	0.09
Kd of Am-241 in Unsaturated Zone 1	31	0.20	1	7.71	44	0.31	44	0.07
Kd of Am-241 in Saturated Zone	83	0.04	84	0.02	41	-0.32	41	-0.07
Kd of Np-237 in Contaminated Zone	63	0.09	72	0.04	2	-0.83	2	-0.33
Kd of Np-237 in Unsaturated Zone 1	46	0.16	38	0.12	1	-0.84	1	-0.35
Kd of Np-237 in Saturated Zone	17	0.29	17	0.21	3	-0.80	3	-0.30
Kd of Pa-231 in Contaminated Zone	3	0.64	8	0.41	37	-0.35	37	-0.08
Kd of Pa-231 in Unsaturated Zone 1	21	-0.26	12	-0.24	5	-0.68	5	-0.21
Kd of Pa-231 in Saturated Zone	53	-0.13	43	-0.11	46	0.28	46	0.06
Kd of Pb-210 in Contaminated Zone	71	-0.07	76	-0.04	21	-0.48	21	-0.12
Kd of Pb-210 in Unsaturated Zone 1	73	-0.06	57	-0.07	42	-0.31	42	-0.07
Kd of Pb-210 in Saturated Zone	44	-0.16	42	-0.11	30	-0.39	31	-0.09
Kd of Pu-239 in Contaminated Zone	89	0.00	89	0.00	45	0.29	45	0.07
Kd of Pu-239 in Unsaturated Zone 1	65	-0.08	74	-0.04	81	-0.06	81	-0.01
Kd of Pu-239 in Saturated Zone	38	-0.18	41	-0.11	52	-0.23	52	-0.05
Kd of Ra-226 in Contaminated Zone	61	-0.09	66	-0.05	79	0.07	79	0.01
Kd of Ra-226 in Unsaturated Zone 1	16	0.30	21	0.19	65	-0.14	65	-0.03
Kd of Ra-226 in Saturated Zone	30	-0.21	29	-0.14	20	0.48	20	0.12
Kd of Ra-228 in Contaminated Zone	12	0.35	15	0.22	51	0.23	51	0.05
Kd of Ra-228 in Unsaturated Zone 1	6	0.42	6	0.47	68	0.12	68	0.03
Kd of Ra-228 in Saturated Zone	51	0.14	55	0.08	8	0.65	9	0.19
Kd of Tc-99 in Saturated Zone	84	-0.03	86	-0.01	14	0.54	14	0.14
Kd of Th-228 in Contaminated Zone	76	-0.06	79	-0.03	53	-0.20	53	-0.05
Kd of Th-228 in Unsaturated Zone 1	81	-0.04	70	-0.04	25	-0.44	25	-0.11
Kd of Th-228 in Saturated Zone	22	-0.26	28	-0.15	61	0.16	61	0.04
Kd of Th-229 in Contaminated Zone	80	-0.05	82	-0.02	63	0.14	64	0.03
Kd of Th-229 in Unsaturated Zone 1	37	0.19	46	0.10	28	0.41	27	0.10
Kd of Th-229 in Saturated Zone	66	-0.07	62	-0.05	54	-0.20	54	-0.04
Kd of Th-230 in Contaminated Zone	79	0.05	80	0.03	10	-0.57	10	-0.15
Kd of Th-230 in Unsaturated Zone 1	29	-0.22	45	-0.10	19	-0.49	19	-0.13
Kd of Th-230 in Saturated Zone	57	0.11	36	0.12	7	-0.65	7	-0.19
Kd of Th-232 in Contaminated Zone	86	0.02	85	0.01	24	0.45	24	0.11
Kd of Th-232 in Unsaturated Zone 1	35	-0.19	2	-7.37	64	0.14	63	0.03
Kd of Th-232 in Saturated Zone	74	0.06	81	0.03	32	-0.38	32	-0.09
Kd of U-233 in Saturated Zone	77	-0.05	78	-0.03	49	-0.24	49	-0.05
Kd of U-234 in Saturated Zone	58	-0.10	54	-0.08	13	0.54	13	0.14
Kd of U-235 in Saturated Zone	2	0.69	3	1.02	9	0.65	8	0.19
Kd of U-238 in Saturated Zone	5	-0.43	4	-0.54	89	0.01	89	0.00
Plant transfer factor for Ac	82	-0.04	77	-0.03	17	-0.50	18	-0.13
Meat transfer factor for Ac	67	-0.07	68	-0.05	59	-0.16	60	-0.04
Milk transfer factor for Ac	88	-0.01	88	0.00	73	-0.10	73	-0.02
Fish transfer factor for Ac	75	0.06	64	0.05	56	0.17	56	0.04
Plant transfer factor for Am	13	-0.34	19	-0.20	84	-0.04	84	-0.01
Meat transfer factor for Am	78	-0.05	73	-0.04	35	0.36	36	0.09
Milk transfer factor for Am	68	0.07	60	0.06	33	0.38	33	0.09
Fish transfer factor for Am	27	-0.23	30	-0.14	27	-0.42	28	-0.10
Plant transfer factor for Pb	47	0.16	24	0.16	23	0.46	23	0.11
Meat transfer factor for Pb	8	0.37	9	0.26	36	-0.36	34	-0.09
Milk transfer factor for Pb	49	0.15	49	0.09	39	0.33	39	0.08
Fish transfer factor for Pb	1	0.77	5	0.49	38	0.34	38	0.08
Plant transfer factor for Np	43	0.17	50	0.09	78	0.07	78	0.02
Meat transfer factor for Np	11	-0.35	20	-0.19	57	-0.17	58	-0.04
Milk transfer factor for Np	41	0.17	22	0.17	48	-0.26	48	-0.06
Fish transfer factor for Np	26	-0.24	14	-0.23	47	0.27	47	0.06
Plant transfer factor for Pu	24	0.25	31	0.14	16	0.51	16	0.13
Meat transfer factor for Pu	52	0.13	58	0.07	62	0.16	62	0.03
Milk transfer factor for Pu	62	-0.09	65	-0.05	71	-0.11	70	-0.02
Fish transfer factor for Pu	15	-0.32	32	-0.14	11	0.56	11	0.15
Plant transfer factor for Pa	32	-0.20	44	-0.11	40	0.32	40	0.07
Meat transfer factor for Pa	40	-0.18	26	-0.16	12	0.54	12	0.14
Milk transfer factor for Pa	36	-0.19	23	-0.16	50	-0.23	50	-0.05
Fish transfer factor for Pa	45	-0.16	52	-0.09	55	-0.19	55	-0.04
Plant transfer factor for Ra	85	-0.02	83	-0.02	6	0.67	6	0.20
Meat transfer factor for Ra	56	0.11	56	0.07	67	-0.13	67	-0.03
Milk transfer factor for Ra	59	0.10	63	0.05	76	0.09	76	0.02
Fish transfer factor for Ra	60	-0.09	75	-0.04	22	-0.47	22	-0.12
Plant transfer factor for Tc	23	-0.25	27	-0.16	75	0.09	75	0.02
Meat transfer factor for Tc	14	0.33	11	0.24	74	0.09	74	0.02
Milk transfer factor for Tc	25	-0.24	33	-0.14	77	0.08	77	0.02
Fish transfer factor for Tc	70	0.07	61	0.05	72	-0.11	72	-0.02
Plant transfer factor for Th	20	-0.27	25	-0.16	43	0.31	43	0.07
Meat transfer factor for Th	10	-0.35	7	-0.44	88	0.02	88	0.00
Milk transfer factor for Th	7	0.38	10	0.25	66	-0.13	66	-0.03
Fish transfer factor for Th	4	0.46	13	0.23	60	0.16	57	0.04
Plant transfer factor for U	55	-0.12	59	-0.07	82	0.05	82	0.01
Meat transfer factor for U	69	-0.07	67	-0.05	87	0.02	87	0.01
Milk transfer factor for U	42	-0.17	39	-0.12	86	0.03	86	0.01
Fish transfer factor for U	39	-0.18	35	-0.13	80	0.07	80	0.01
Well pumping rate	28	0.22	40	0.11	83	0.04	83	0.01
Mass loading for inhalation	19	-0.27	18	-0.20	26	-0.43	26	-0.11
Indoor dust filtration factor	87	-0.01	87	-0.01	70	0.11	71	0.02
Depth of soil mixing layer	48	-0.15	48	-0.09	31	0.39	30	0.09
Depth of roots	9	-0.37	16	-0.22	85	-0.03	85	-0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	50	0.14	51	0.09	18	0.50	17	0.13
Weathering removal constant of all vegetation	54	-0.12	47	-0.09	29	0.39	29	0.09
Wet foliar interception fraction of leafy vegetables	18	0.28	37	0.12	58	-0.17	59	-0.04

R-SQUARE 0.93 0.93 0.95 0.95

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Radon (WaterDep.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ac-227 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ac-227 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Np-237 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Np-237 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Np-237 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pa-231 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pa-231 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pa-231 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pb-210 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pb-210 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pb-210 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pu-239 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pu-239 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pu-239 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-226 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-226 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-226 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Tc-99 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-229 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-229 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-229 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-233 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Well pumping rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Indoor dust filtration factor	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	0	0.00	0	0.00	0	0.00	0	0.00
Wet foliar interception fraction of leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.



Coefficients for peak Radon (WaterDep.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	
Kd of Ac-227 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ac-227 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ac-227 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Am-241 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Am-241 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Am-241 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Np-237 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Np-237 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Np-237 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pa-231 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pa-231 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pa-231 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pb-210 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pb-210 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pb-210 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pu-239 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pu-239 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pu-239 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-226 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-226 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-226 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Tc-99 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-229 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-229 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-229 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-232 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-232 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-232 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of U-233 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of U-234 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of U-235 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of U-238 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00	
Well pumping rate	0	0.00	0	0.00	0	0.00	0	0.00	
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00	
Indoor dust filtration factor	0	0.00	0	0.00	0	0.00	0	0.00	
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00	
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00	
Wet weight crop yield of fruit, grain and non-leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00	
Weathering removal constant of all vegetation	0	0.00	0	0.00	0	0.00	0	0.00	
Wet foliar interception fraction of leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00	
R-SQUARE	0.00		0.00		0.00		0.00		

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Radon (WaterDep.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ac-227 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ac-227 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Np-237 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Np-237 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Np-237 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pa-231 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pa-231 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pa-231 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pb-210 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pb-210 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pb-210 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pu-239 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pu-239 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pu-239 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-226 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-226 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-226 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Tc-99 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-229 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-229 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-229 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-233 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Well pumping rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Indoor dust filtration factor	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	0	0.00	0	0.00	0	0.00	0	0.00
Wet foliar interception fraction of leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Plant (WaterDep.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	71	-0.13	78	-0.05	81	-0.04	81	-0.01
Kd of Ac-227 in Unsaturated Zone 1	80	-0.09	83	-0.04	19	-0.45	21	-0.11
Kd of Ac-227 in Saturated Zone	6	0.73	10	0.60	33	0.31	33	0.07
Kd of Am-241 in Contaminated Zone	62	-0.26	59	-0.15	32	-0.31	32	-0.07
Kd of Am-241 in Unsaturated Zone 1	76	-0.11	64	-0.12	67	-0.09	67	-0.02
Kd of Am-241 in Saturated Zone	29	-0.49	1	-1.19	58	0.15	58	0.03
Kd of Np-237 in Contaminated Zone	77	0.11	63	0.12	2	-0.74	2	-0.25
Kd of Np-237 in Unsaturated Zone 1	50	0.37	31	0.31	1	-0.93	1	-0.54
Kd of Np-237 in Saturated Zone	51	-0.36	52	-0.19	21	-0.44	20	-0.11
Kd of Pa-231 in Contaminated Zone	22	-0.59	26	-0.37	38	-0.29	38	-0.07
Kd of Pa-231 in Unsaturated Zone 1	56	0.34	7	0.72	3	-0.66	3	-0.20
Kd of Pa-231 in Saturated Zone	84	0.05	84	0.03	5	-0.65	5	-0.19
Kd of Pb-210 in Contaminated Zone	67	0.15	67	0.09	8	-0.60	8	-0.17
Kd of Pb-210 in Unsaturated Zone 1	4	0.76	2	1.07	15	-0.53	15	-0.14
Kd of Pb-210 in Saturated Zone	11	0.70	5	0.78	76	0.06	76	0.01
Kd of Pu-239 in Contaminated Zone	41	0.41	27	0.36	47	-0.21	47	-0.05
Kd of Pu-239 in Unsaturated Zone 1	73	0.12	70	0.08	87	0.01	87	0.00
Kd of Pu-239 in Saturated Zone	53	-0.35	45	-0.22	44	-0.23	45	-0.05
Kd of Ra-226 in Contaminated Zone	28	0.51	19	0.47	29	-0.32	29	-0.08
Kd of Ra-226 in Unsaturated Zone 1	20	0.60	18	0.47	34	-0.31	35	-0.07
Kd of Ra-226 in Saturated Zone	88	-0.02	88	-0.01	78	0.06	77	0.01
Kd of Ra-228 in Contaminated Zone	37	-0.43	16	-0.51	55	-0.17	55	-0.04
Kd of Ra-228 in Unsaturated Zone 1	21	-0.59	32	-0.31	84	0.02	84	0.00
Kd of Ra-228 in Saturated Zone	82	-0.08	76	-0.06	60	-0.14	61	-0.03
Kd of Tc-99 in Saturated Zone	59	-0.29	62	-0.15	14	0.55	13	0.15
Kd of Th-228 in Contaminated Zone	34	0.48	57	0.17	59	-0.15	59	-0.03
Kd of Th-228 in Unsaturated Zone 1	61	0.27	34	0.30	31	-0.32	30	-0.07
Kd of Th-228 in Saturated Zone	10	-0.71	4	-0.91	74	0.08	74	0.02
Kd of Th-229 in Contaminated Zone	89	0.00	89	0.00	46	-0.21	46	-0.05
Kd of Th-229 in Unsaturated Zone 1	35	0.46	11	0.58	17	0.48	17	0.12
Kd of Th-229 in Saturated Zone	72	-0.12	80	-0.05	72	0.08	72	0.02
Kd of Th-230 in Contaminated Zone	23	-0.58	20	-0.44	30	-0.32	31	-0.07
Kd of Th-230 in Unsaturated Zone 1	69	0.14	65	0.11	66	-0.11	66	-0.02
Kd of Th-230 in Saturated Zone	57	0.34	53	0.19	10	-0.57	10	-0.16
Kd of Th-232 in Contaminated Zone	83	-0.08	82	-0.04	64	0.12	64	0.03
Kd of Th-232 in Unsaturated Zone 1	68	-0.15	66	-0.10	57	0.16	57	0.04
Kd of Th-232 in Saturated Zone	85	-0.03	86	-0.01	37	-0.29	37	-0.07
Kd of U-233 in Saturated Zone	7	0.73	14	0.52	73	-0.08	73	-0.02
Kd of U-234 in Saturated Zone	46	-0.39	9	-0.60	50	0.20	51	0.04
Kd of U-235 in Saturated Zone	87	0.02	85	0.01	16	0.52	16	0.14
Kd of U-238 in Saturated Zone	74	0.11	71	0.07	36	0.30	36	0.07
Plant transfer factor for Ac	27	0.52	37	0.27	9	-0.59	9	-0.17
Meat transfer factor for Ac	48	0.38	55	0.18	89	0.00	89	0.00
Milk transfer factor for Ac	81	-0.08	77	-0.05	23	0.38	23	0.09
Fish transfer factor for Ac	31	-0.48	33	-0.30	52	0.19	52	0.04
Plant transfer factor for Am	47	-0.38	56	-0.17	56	-0.16	56	-0.04
Meat transfer factor for Am	78	0.10	72	0.07	61	0.14	60	0.03
Milk transfer factor for Am	42	0.40	44	0.23	85	-0.01	85	0.00
Fish transfer factor for Am	13	0.68	12	0.57	49	-0.20	49	-0.05
Plant transfer factor for Pb	1	-0.81	3	-0.91	43	0.23	43	0.05
Meat transfer factor for Pb	63	-0.20	69	-0.08	12	-0.56	11	-0.15
Milk transfer factor for Pb	24	0.58	25	0.38	69	-0.08	70	-0.02
Fish transfer factor for Pb	19	-0.61	28	-0.35	6	-0.62	6	-0.18
Plant transfer factor for Np	79	0.09	81	0.04	62	-0.14	62	-0.03
Meat transfer factor for Np	38	-0.43	49	-0.20	77	-0.06	78	-0.01
Milk transfer factor for Np	12	0.70	21	0.43	68	-0.09	68	-0.02
Fish transfer factor for Np	60	-0.29	38	-0.27	65	0.12	65	0.03
Plant transfer factor for Pu	32	0.48	43	0.23	88	0.00	88	0.00
Meat transfer factor for Pu	33	-0.48	48	-0.21	48	-0.21	48	-0.05
Milk transfer factor for Pu	18	0.62	23	0.38	26	-0.35	26	-0.08
Fish transfer factor for Pu	25	0.57	42	0.24	82	0.03	82	0.01
Plant transfer factor for Pa	15	-0.65	17	-0.48	79	0.05	79	0.01
Meat transfer factor for Pa	16	-0.63	35	-0.29	54	-0.17	54	-0.04
Milk transfer factor for Pa	64	-0.19	68	-0.08	51	-0.20	50	-0.04
Fish transfer factor for Pa	52	-0.36	36	-0.29	45	-0.23	44	-0.05
Plant transfer factor for Ra	58	-0.31	58	-0.15	53	-0.18	53	-0.04
Meat transfer factor for Ra	43	0.40	39	0.26	27	0.34	28	0.08
Milk transfer factor for Ra	3	-0.79	8	-0.61	83	0.03	83	0.01
Fish transfer factor for Ra	45	-0.39	29	-0.34	40	0.27	40	0.06
Plant transfer factor for Tc	39	-0.42	46	-0.22	24	0.37	24	0.09
Meat transfer factor for Tc	54	0.35	50	0.19	4	0.65	4	0.19
Milk transfer factor for Tc	36	-0.44	47	-0.22	13	-0.55	12	-0.15
Fish transfer factor for Tc	26	-0.52	41	-0.26	11	-0.56	14	-0.15
Plant transfer factor for Th	44	-0.39	51	-0.19	42	-0.25	42	-0.06
Meat transfer factor for Th	8	0.72	13	0.55	41	-0.27	41	-0.06
Milk transfer factor for Th	40	0.41	54	0.18	7	0.61	7	0.17
Fish transfer factor for Th	30	-0.49	40	-0.26	80	0.05	80	0.01
Plant transfer factor for U	49	0.38	60	0.15	71	0.08	71	0.02
Meat transfer factor for U	55	-0.34	61	-0.15	86	-0.01	86	0.00
Milk transfer factor for U	14	0.67	22	0.39	28	0.34	27	0.08
Fish transfer factor for U	2	-0.79	15	-0.52	39	-0.29	39	-0.07
Well pumping rate	66	-0.15	74	-0.06	35	-0.30	34	-0.07
Mass loading for inhalation	9	-0.72	24	-0.38	75	-0.07	75	-0.02
Indoor dust filtration factor	17	-0.62	30	-0.32	22	0.39	22	0.09
Depth of soil mixing layer	86	0.02	87	0.01	63	0.14	63	0.03
Depth of roots	70	-0.13	79	-0.05	20	-0.45	19	-0.11
Wet weight crop yield of fruit, grain and non-leafy vegetables	65	0.15	73	0.06	70	0.08	69	0.02
Weathering removal constant of all vegetation	75	-0.11	75	-0.06	25	-0.37	25	-0.09
Wet foliar interception fraction of leafy vegetables	5	-0.75	6	-0.74	18	-0.47	18	-0.12

R-SQUARE 0.96 0.96 0.95 0.95

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Plant (WaterDep.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	15	-0.61	11	-0.61	6	0.68	6	0.18
Kd of Ac-227 in Unsaturated Zone 1	84	0.06	79	0.05	81	-0.05	81	-0.01
Kd of Ac-227 in Saturated Zone	11	-0.66	37	-0.28	88	-0.01	88	0.00
Kd of Am-241 in Contaminated Zone	13	-0.63	22	-0.37	63	0.14	63	0.03
Kd of Am-241 in Unsaturated Zone 1	26	0.54	4	1.39	65	-0.13	64	-0.02
Kd of Am-241 in Saturated Zone	16	-0.61	12	-0.57	31	-0.42	31	-0.09
Kd of Np-237 in Contaminated Zone	1	-0.82	7	-0.86	2	-0.83	2	-0.28
Kd of Np-237 in Unsaturated Zone 1	76	0.11	78	0.05	1	-0.94	1	-0.54
Kd of Np-237 in Saturated Zone	53	-0.31	36	-0.28	3	-0.80	3	-0.25
Kd of Pa-231 in Contaminated Zone	42	-0.43	43	-0.24	87	0.01	87	0.00
Kd of Pa-231 in Unsaturated Zone 1	66	0.19	68	0.09	4	-0.79	4	-0.24
Kd of Pa-231 in Saturated Zone	86	-0.05	86	-0.02	69	-0.12	69	-0.02
Kd of Pb-210 in Contaminated Zone	5	0.70	3	1.43	58	0.18	58	0.04
Kd of Pb-210 in Unsaturated Zone 1	71	0.16	65	0.10	55	-0.20	56	-0.04
Kd of Pb-210 in Saturated Zone	17	0.61	26	0.35	32	-0.41	32	-0.09
Kd of Pu-239 in Contaminated Zone	33	-0.51	39	-0.27	46	-0.26	46	-0.05
Kd of Pu-239 in Unsaturated Zone 1	37	0.46	20	0.38	19	-0.51	20	-0.11
Kd of Pu-239 in Saturated Zone	56	0.26	28	0.33	14	0.54	15	0.12
Kd of Ra-226 in Contaminated Zone	82	-0.07	83	-0.03	85	-0.02	86	0.00
Kd of Ra-226 in Unsaturated Zone 1	2	0.76	9	0.68	79	0.07	79	0.01
Kd of Ra-226 in Saturated Zone	6	0.70	2	1.56	8	0.61	8	0.14
Kd of Ra-228 in Contaminated Zone	31	-0.51	5	-1.25	52	-0.21	53	-0.04
Kd of Ra-228 in Unsaturated Zone 1	77	0.11	73	0.06	78	-0.08	78	-0.02
Kd of Ra-228 in Saturated Zone	69	-0.17	61	-0.11	21	-0.50	21	-0.11
Kd of Tc-99 in Saturated Zone	27	0.53	14	0.51	7	0.62	7	0.15
Kd of Th-228 in Contaminated Zone	44	-0.41	47	-0.21	84	0.03	84	0.01
Kd of Th-228 in Unsaturated Zone 1	57	-0.26	56	-0.14	54	0.20	54	0.04
Kd of Th-228 in Saturated Zone	18	0.61	24	0.35	11	0.60	10	0.14
Kd of Th-229 in Contaminated Zone	79	0.09	76	0.05	26	-0.45	26	-0.09
Kd of Th-229 in Unsaturated Zone 1	78	0.10	82	0.04	39	-0.36	40	-0.07
Kd of Th-229 in Saturated Zone	4	-0.72	1	-1.69	62	0.16	62	0.03
Kd of Th-230 in Contaminated Zone	64	0.20	52	0.17	77	0.09	77	0.02
Kd of Th-230 in Unsaturated Zone 1	10	-0.67	8	-0.77	23	0.48	23	0.10
Kd of Th-230 in Saturated Zone	19	-0.60	6	-1.13	75	-0.09	75	-0.02
Kd of Th-232 in Contaminated Zone	49	0.36	49	0.20	76	-0.09	76	-0.02
Kd of Th-232 in Unsaturated Zone 1	62	-0.21	71	-0.08	40	-0.35	39	-0.07
Kd of Th-232 in Saturated Zone	25	-0.54	19	-0.39	30	-0.42	30	-0.09
Kd of U-233 in Saturated Zone	55	0.27	53	0.16	36	-0.38	36	-0.08
Kd of U-234 in Saturated Zone	46	-0.40	35	-0.28	49	-0.25	49	-0.05
Kd of U-235 in Saturated Zone	58	-0.25	58	-0.13	10	-0.60	11	-0.14
Kd of U-238 in Saturated Zone	40	-0.44	10	-0.66	12	-0.57	12	-0.13
Plant transfer factor for Ac	22	-0.58	30	-0.32	86	-0.02	85	0.00
Meat transfer factor for Ac	65	-0.19	64	-0.10	74	0.09	74	0.02
Milk transfer factor for Ac	72	-0.14	72	-0.07	64	-0.13	65	-0.02
Fish transfer factor for Ac	14	-0.61	17	-0.43	34	-0.39	34	-0.08
Plant transfer factor for Am	75	-0.12	74	-0.06	15	0.54	14	0.12
Meat transfer factor for Am	43	-0.43	42	-0.25	9	-0.60	9	-0.14
Milk transfer factor for Am	20	-0.59	31	-0.32	56	0.20	55	0.04
Fish transfer factor for Am	7	0.69	15	0.50	20	0.51	19	0.11
Plant transfer factor for Pb	32	0.51	21	0.38	43	0.32	43	0.07
Meat transfer factor for Pb	12	0.65	23	0.35	16	-0.53	16	-0.12
Milk transfer factor for Pb	52	-0.33	55	-0.16	51	-0.22	51	-0.04
Fish transfer factor for Pb	47	-0.38	54	-0.16	18	-0.52	18	-0.12
Plant transfer factor for Np	73	-0.13	67	-0.10	29	0.42	28	0.09
Meat transfer factor for Np	81	0.08	81	0.04	59	0.18	59	0.03
Milk transfer factor for Np	39	-0.46	45	-0.24	41	-0.35	41	-0.07
Fish transfer factor for Np	45	0.41	34	0.29	27	0.44	27	0.09
Plant transfer factor for Pu	30	0.51	32	0.32	67	-0.12	68	-0.02
Meat transfer factor for Pu	51	-0.34	57	-0.14	44	-0.29	44	-0.06
Milk transfer factor for Pu	74	-0.12	77	-0.05	57	-0.19	57	-0.04
Fish transfer factor for Pu	34	-0.49	38	-0.28	35	0.38	35	0.08
Plant transfer factor for Pa	41	0.44	29	0.32	25	-0.46	25	-0.10
Meat transfer factor for Pa	29	-0.52	44	-0.24	33	0.41	33	0.09
Milk transfer factor for Pa	87	0.04	87	0.02	45	-0.28	45	-0.06
Fish transfer factor for Pa	48	0.37	50	0.19	60	-0.17	60	-0.03
Plant transfer factor for Ra	50	-0.35	59	-0.13	89	0.00	89	0.00
Meat transfer factor for Ra	54	-0.31	51	-0.17	22	0.48	22	0.11
Milk transfer factor for Ra	83	0.06	84	0.03	24	-0.47	24	-0.10
Fish transfer factor for Ra	21	0.59	33	0.29	66	0.13	66	0.02
Plant transfer factor for Tc	38	-0.46	25	-0.35	47	-0.26	47	-0.05
Meat transfer factor for Tc	36	0.47	46	0.23	17	0.53	17	0.12
Milk transfer factor for Tc	23	-0.58	41	-0.26	42	-0.33	42	-0.07
Fish transfer factor for Tc	35	0.47	27	0.34	37	0.37	37	0.08
Plant transfer factor for Th	60	0.22	60	0.12	70	0.11	70	0.02
Meat transfer factor for Th	89	0.03	89	0.01	48	-0.26	48	-0.05
Milk transfer factor for Th	63	-0.20	62	-0.11	83	0.04	83	0.01
Fish transfer factor for Th	8	-0.68	18	-0.42	38	-0.36	38	-0.07
Plant transfer factor for U	85	-0.06	85	-0.03	61	-0.16	61	-0.03
Meat transfer factor for U	24	-0.58	40	-0.26	28	-0.43	29	-0.09
Milk transfer factor for U	28	-0.52	48	-0.21	72	0.10	72	0.02
Fish transfer factor for U	67	-0.18	63	-0.11	68	0.12	67	0.02
Well pumping rate	9	0.68	16	0.45	53	0.21	52	0.04
Mass loading for inhalation	70	-0.16	75	-0.05	82	-0.05	82	-0.01
Indoor dust filtration factor	68	0.18	70	0.08	50	0.22	50	0.04
Depth of soil mixing layer	59	-0.24	66	-0.10	71	0.11	71	0.02
Depth of roots	80	-0.08	80	-0.05	80	0.06	80	0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	88	0.03	88	0.01	73	-0.10	73	-0.02
Weathering removal constant of all vegetation	3	-0.75	13	-0.56	5	-0.69	5	-0.19
Wet foliar interception fraction of leafy vegetables	61	-0.21	69	-0.09	13	0.57	13	0.13

R-SQUARE 0.95 0.95 0.97 0.97

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Plant (WaterDep.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	77	-0.05	82	-0.03	84	0.03	84	0.01
Kd of Ac-227 in Unsaturated Zone 1	87	0.01	87	0.01	20	-0.48	20	-0.11
Kd of Ac-227 in Saturated Zone	71	0.08	68	0.08	5	-0.78	4	-0.25
Kd of Am-241 in Contaminated Zone	20	-0.36	26	-0.32	41	0.30	42	0.07
Kd of Am-241 in Unsaturated Zone 1	9	0.49	1	30.64	34	0.37	33	0.08
Kd of Am-241 in Saturated Zone	40	0.26	52	0.18	39	-0.31	40	-0.07
Kd of Np-237 in Contaminated Zone	89	0.00	89	0.00	3	-0.82	3	-0.30
Kd of Np-237 in Unsaturated Zone 1	68	-0.10	63	-0.10	1	-0.86	1	-0.35
Kd of Np-237 in Saturated Zone	26	0.32	25	0.32	2	-0.84	2	-0.32
Kd of Pa-231 in Contaminated Zone	52	0.19	57	0.13	33	-0.37	34	-0.08
Kd of Pa-231 in Unsaturated Zone 1	38	-0.27	23	-0.35	6	-0.75	6	-0.24
Kd of Pa-231 in Saturated Zone	18	-0.40	9	-0.50	50	0.26	50	0.06
Kd of Pb-210 in Contaminated Zone	67	-0.10	71	-0.07	24	-0.44	26	-0.10
Kd of Pb-210 in Unsaturated Zone 1	60	-0.13	47	-0.20	65	-0.16	65	-0.03
Kd of Pb-210 in Saturated Zone	69	-0.09	65	-0.08	38	-0.32	38	-0.07
Kd of Pu-239 in Contaminated Zone	88	0.00	88	0.00	48	0.27	49	0.06
Kd of Pu-239 in Unsaturated Zone 1	42	-0.24	54	-0.17	75	-0.09	75	-0.02
Kd of Pu-239 in Saturated Zone	33	-0.30	33	-0.27	59	-0.21	58	-0.04
Kd of Ra-226 in Contaminated Zone	34	-0.30	41	-0.25	58	-0.21	59	-0.04
Kd of Ra-226 in Unsaturated Zone 1	14	0.44	18	0.42	78	-0.07	78	-0.01
Kd of Ra-226 in Saturated Zone	17	-0.40	19	-0.41	36	0.33	37	0.07
Kd of Ra-228 in Contaminated Zone	63	0.12	62	0.10	63	0.17	63	0.04
Kd of Ra-228 in Unsaturated Zone 1	11	0.47	4	0.76	88	0.00	88	0.00
Kd of Ra-228 in Saturated Zone	44	-0.24	50	-0.19	7	0.66	7	0.18
Kd of Tc-99 in Saturated Zone	64	-0.12	69	-0.08	17	0.53	17	0.13
Kd of Th-228 in Contaminated Zone	41	-0.25	48	-0.19	55	-0.25	53	-0.05
Kd of Th-228 in Unsaturated Zone 1	78	0.05	67	0.08	62	-0.20	62	-0.04
Kd of Th-228 in Saturated Zone	19	-0.38	24	-0.33	80	0.05	80	0.01
Kd of Th-229 in Contaminated Zone	70	0.08	75	0.06	77	0.08	77	0.02
Kd of Th-229 in Unsaturated Zone 1	66	0.11	66	0.08	21	0.45	21	0.11
Kd of Th-229 in Saturated Zone	62	-0.12	58	-0.13	89	0.00	89	0.00
Kd of Th-230 in Contaminated Zone	48	-0.22	49	-0.19	15	-0.55	16	-0.13
Kd of Th-230 in Unsaturated Zone 1	35	-0.30	46	-0.21	14	-0.55	14	-0.13
Kd of Th-230 in Saturated Zone	84	0.02	81	0.03	10	-0.60	10	-0.15
Kd of Th-232 in Contaminated Zone	50	0.20	45	0.22	28	0.41	29	0.09
Kd of Th-232 in Unsaturated Zone 1	10	-0.48	2	*****	79	0.05	79	0.01
Kd of Th-232 in Saturated Zone	43	0.24	55	0.15	23	-0.44	23	-0.10
Kd of U-233 in Saturated Zone	23	-0.34	29	-0.31	40	-0.30	43	-0.07
Kd of U-234 in Saturated Zone	28	-0.31	22	-0.36	9	0.61	9	0.16
Kd of U-235 in Saturated Zone	29	0.31	10	0.50	11	0.59	11	0.15
Kd of U-238 in Saturated Zone	24	-0.34	7	-0.58	69	-0.13	69	-0.03
Plant transfer factor for Ac	46	0.22	30	0.29	13	-0.55	13	-0.14
Meat transfer factor for Ac	39	0.27	38	0.25	64	-0.17	64	-0.04
Milk transfer factor for Ac	61	-0.12	64	-0.09	67	-0.15	67	-0.03
Fish transfer factor for Ac	54	0.18	44	0.23	35	0.34	35	0.08
Plant transfer factor for Am	7	-0.50	13	-0.45	86	0.02	86	0.00
Meat transfer factor for Am	75	0.06	72	0.06	51	0.26	51	0.05
Milk transfer factor for Am	47	0.22	35	0.26	44	0.29	44	0.06
Fish transfer factor for Am	32	-0.30	34	-0.27	32	-0.38	32	-0.08
Plant transfer factor for Pb	55	-0.16	42	-0.24	25	0.44	24	0.10
Meat transfer factor for Pb	37	0.27	36	0.26	27	-0.42	25	-0.10
Milk transfer factor for Pb	31	0.31	32	0.27	42	0.29	41	0.07
Fish transfer factor for Pb	1	0.65	11	0.49	46	0.28	45	0.06
Plant transfer factor for Np	56	0.16	59	0.12	81	-0.04	81	-0.01
Meat transfer factor for Np	25	-0.32	39	-0.25	49	-0.26	48	-0.06
Milk transfer factor for Np	53	-0.19	37	-0.25	60	-0.20	60	-0.04
Fish transfer factor for Np	15	-0.42	6	-0.61	16	-0.54	15	-0.13
Plant transfer factor for Pu	80	0.04	80	0.03	30	0.39	30	0.09
Meat transfer factor for Pu	58	-0.15	61	-0.10	83	0.03	83	0.01
Milk transfer factor for Pu	85	-0.01	85	-0.01	74	-0.09	74	-0.02
Fish transfer factor for Pu	6	-0.52	21	-0.36	8	0.64	8	0.17
Plant transfer factor for Pa	49	-0.20	56	-0.15	22	0.44	22	0.10
Meat transfer factor for Pa	79	0.04	78	0.06	12	0.56	12	0.14
Milk transfer factor for Pa	21	-0.34	14	-0.44	56	-0.24	56	-0.05
Fish transfer factor for Pa	86	0.01	86	0.01	37	-0.33	36	-0.07
Plant transfer factor for Ra	51	0.19	43	0.23	4	0.78	5	0.25
Meat transfer factor for Ra	13	0.45	12	0.48	68	-0.14	68	-0.03
Milk transfer factor for Ra	45	0.23	51	0.18	71	-0.09	71	-0.02
Fish transfer factor for Ra	65	-0.12	73	-0.06	18	-0.51	18	-0.12
Plant transfer factor for Tc	12	-0.46	16	-0.43	82	-0.04	82	-0.01
Meat transfer factor for Tc	3	0.59	5	0.71	61	0.20	61	0.04
Milk transfer factor for Tc	22	-0.34	31	-0.28	57	0.24	57	0.05
Fish transfer factor for Tc	57	0.16	53	0.17	72	0.09	72	0.02
Plant transfer factor for Th	5	-0.54	8	-0.51	87	0.01	87	0.00
Meat transfer factor for Th	4	-0.58	3	-1.15	85	-0.03	85	-0.01
Milk transfer factor for Th	16	0.40	20	0.39	47	-0.27	47	-0.06
Fish transfer factor for Th	82	-0.03	83	-0.02	43	0.29	39	0.07
Plant transfer factor for U	59	0.15	60	0.12	45	0.28	46	0.06
Meat transfer factor for U	72	-0.08	70	-0.07	76	-0.08	76	-0.02
Milk transfer factor for U	81	-0.04	79	-0.03	70	0.11	70	0.02
Fish transfer factor for U	30	-0.31	27	-0.32	53	-0.25	55	-0.05
Well pumping rate	83	-0.02	84	-0.02	52	0.25	52	0.05
Mass loading for inhalation	74	-0.06	76	-0.06	19	-0.48	19	-0.11
Indoor dust filtration factor	27	0.31	28	0.31	54	0.25	54	0.05
Depth of soil mixing layer	73	0.07	74	0.06	29	0.41	28	0.09
Depth of roots	8	-0.49	15	-0.44	73	-0.09	73	-0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	36	0.28	40	0.25	26	0.43	27	0.10
Weathering removal constant of all vegetation	76	-0.05	77	-0.06	66	-0.15	66	-0.03
Wet foliar interception fraction of leafy vegetables	2	0.60	17	0.43	31	0.39	31	0.09

R-SQUARE 0.86 0.86 0.96 0.96

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Meat (WaterDep.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	86	0.01	86	0.00	62	0.11	62	0.03
Kd of Ac-227 in Unsaturated Zone 1	59	0.12	67	0.04	64	-0.10	65	-0.02
Kd of Ac-227 in Saturated Zone	1	0.89	1	0.89	84	-0.03	84	-0.01
Kd of Am-241 in Contaminated Zone	9	-0.43	9	-0.21	63	-0.11	63	-0.03
Kd of Am-241 in Unsaturated Zone 1	50	0.18	23	0.17	49	-0.21	49	-0.05
Kd of Am-241 in Saturated Zone	60	-0.12	10	-0.20	26	0.36	26	0.09
Kd of Np-237 in Contaminated Zone	31	0.29	6	0.28	2	-0.79	2	-0.30
Kd of Np-237 in Unsaturated Zone 1	8	-0.44	4	-0.31	1	-0.94	1	-0.62
Kd of Np-237 in Saturated Zone	85	-0.02	84	-0.01	6	-0.54	6	-0.15
Kd of Pa-231 in Contaminated Zone	47	0.20	49	0.08	68	0.09	67	0.02
Kd of Pa-231 in Unsaturated Zone 1	80	0.04	55	0.07	81	-0.03	82	-0.01
Kd of Pa-231 in Saturated Zone	38	0.25	45	0.10	31	-0.29	32	-0.07
Kd of Pb-210 in Contaminated Zone	56	-0.15	51	-0.07	3	-0.60	3	-0.18
Kd of Pb-210 in Unsaturated Zone 1	18	0.36	5	0.29	14	-0.42	14	-0.11
Kd of Pb-210 in Saturated Zone	40	0.25	26	0.16	58	-0.15	58	-0.04
Kd of Pu-239 in Contaminated Zone	67	0.10	58	0.06	39	-0.26	40	-0.06
Kd of Pu-239 in Unsaturated Zone 1	46	0.21	44	0.11	66	0.10	66	0.02
Kd of Pu-239 in Saturated Zone	79	0.04	78	0.02	21	-0.39	21	-0.10
Kd of Ra-226 in Contaminated Zone	52	-0.18	43	-0.12	9	-0.49	9	-0.13
Kd of Ra-226 in Unsaturated Zone 1	26	0.32	21	0.17	53	-0.19	53	-0.04
Kd of Ra-226 in Saturated Zone	63	-0.11	59	-0.05	80	-0.03	80	-0.01
Kd of Ra-228 in Contaminated Zone	15	-0.38	2	-0.35	54	-0.18	54	-0.04
Kd of Ra-228 in Unsaturated Zone 1	78	-0.05	80	-0.02	75	0.05	75	0.01
Kd of Ra-228 in Saturated Zone	75	-0.06	71	-0.04	67	-0.09	69	-0.02
Kd of Tc-99 in Saturated Zone	11	-0.42	17	-0.18	12	0.46	12	0.12
Kd of Th-228 in Contaminated Zone	49	0.20	61	0.05	41	-0.25	41	-0.06
Kd of Th-228 in Unsaturated Zone 1	72	-0.08	57	-0.06	15	-0.42	16	-0.11
Kd of Th-228 in Saturated Zone	34	-0.27	12	-0.20	38	0.26	39	0.06
Kd of Th-229 in Contaminated Zone	65	0.10	72	0.04	50	-0.21	50	-0.05
Kd of Th-229 in Unsaturated Zone 1	77	0.05	64	0.05	7	0.52	8	0.14
Kd of Th-229 in Saturated Zone	44	0.22	53	0.07	25	0.36	25	0.09
Kd of Th-230 in Contaminated Zone	25	-0.32	22	-0.17	51	-0.21	51	-0.05
Kd of Th-230 in Unsaturated Zone 1	33	0.27	19	0.18	60	-0.14	60	-0.03
Kd of Th-230 in Saturated Zone	66	-0.10	68	-0.04	13	-0.43	13	-0.11
Kd of Th-232 in Contaminated Zone	74	-0.06	77	-0.03	57	0.15	57	0.04
Kd of Th-232 in Unsaturated Zone 1	70	0.09	63	0.05	61	0.13	61	0.03
Kd of Th-232 in Saturated Zone	5	0.45	13	0.20	74	-0.06	74	-0.01
Kd of U-233 in Saturated Zone	24	0.33	32	0.14	71	0.07	71	0.02
Kd of U-234 in Saturated Zone	32	0.28	3	0.33	11	0.48	11	0.13
Kd of U-235 in Saturated Zone	51	-0.18	38	-0.12	20	0.39	20	0.10
Kd of U-238 in Saturated Zone	29	-0.30	24	-0.17	34	0.28	34	0.07
Plant transfer factor for Ac	69	0.09	75	0.03	8	-0.52	7	-0.14
Meat transfer factor for Ac	89	0.00	89	0.00	79	-0.04	79	-0.01
Milk transfer factor for Ac	37	0.25	34	0.14	33	0.28	33	0.07
Fish transfer factor for Ac	61	0.12	60	0.05	35	0.27	35	0.07
Plant transfer factor for Am	68	0.10	74	0.03	37	-0.27	38	-0.06
Meat transfer factor for Am	27	0.31	16	0.19	44	0.23	44	0.06
Milk transfer factor for Am	19	0.36	25	0.16	87	-0.02	87	0.00
Fish transfer factor for Am	54	0.16	50	0.08	46	-0.22	45	-0.05
Plant transfer factor for Pb	45	-0.22	41	-0.12	36	0.27	36	0.07
Meat transfer factor for Pb	84	0.02	85	0.01	22	-0.38	22	-0.10
Milk transfer factor for Pb	53	-0.17	52	-0.07	59	0.14	59	0.03
Fish transfer factor for Pb	14	-0.38	30	-0.15	4	-0.59	4	-0.17
Plant transfer factor for Np	12	0.41	20	0.18	27	-0.31	27	-0.08
Meat transfer factor for Np	82	0.03	82	0.01	30	0.30	30	0.07
Milk transfer factor for Np	4	0.48	14	0.19	56	-0.17	56	-0.04
Fish transfer factor for Np	76	-0.06	66	-0.04	52	0.20	52	0.05
Plant transfer factor for Pu	20	0.35	36	0.13	48	-0.22	46	-0.05
Meat transfer factor for Pu	73	0.07	79	0.02	55	0.17	55	0.04
Milk transfer factor for Pu	28	0.31	37	0.13	69	-0.09	70	-0.02
Fish transfer factor for Pu	58	-0.13	70	-0.04	76	0.05	76	0.01
Plant transfer factor for Pa	81	-0.03	81	-0.02	70	0.09	68	0.02
Meat transfer factor for Pa	62	-0.12	73	-0.03	78	0.04	78	0.01
Milk transfer factor for Pa	39	-0.25	46	-0.09	42	-0.25	42	-0.06
Fish transfer factor for Pa	13	-0.38	7	-0.26	16	-0.42	15	-0.11
Plant transfer factor for Ra	3	-0.50	8	-0.22	40	-0.26	37	-0.06
Meat transfer factor for Ra	87	0.00	87	0.00	89	-0.01	89	0.00
Milk transfer factor for Ra	7	-0.44	15	-0.19	47	0.22	48	0.05
Fish transfer factor for Ra	41	0.24	27	0.16	83	0.03	83	0.01
Plant transfer factor for Tc	43	-0.22	48	-0.09	32	0.28	31	0.07
Meat transfer factor for Tc	21	0.35	29	0.15	18	0.41	18	0.11
Milk transfer factor for Tc	16	-0.37	31	-0.14	17	-0.42	17	-0.11
Fish transfer factor for Tc	2	-0.51	11	-0.20	5	-0.57	5	-0.16
Plant transfer factor for Th	6	-0.45	18	-0.18	43	-0.25	43	-0.06
Meat transfer factor for Th	88	0.00	88	0.00	24	-0.37	24	-0.09
Milk transfer factor for Th	22	0.34	42	0.12	23	0.38	23	0.10
Fish transfer factor for Th	64	-0.11	69	-0.04	86	0.02	86	0.01
Plant transfer factor for U	42	-0.23	54	-0.07	72	-0.07	72	-0.02
Meat transfer factor for U	10	0.43	28	0.16	85	-0.03	85	-0.01
Milk transfer factor for U	71	0.08	76	0.03	73	0.06	73	0.01
Fish transfer factor for U	48	-0.20	56	-0.07	45	-0.22	47	-0.05
Well pumping rate	23	0.34	40	0.12	77	0.04	77	0.01
Mass loading for inhalation	17	-0.37	39	-0.12	82	0.03	81	0.01
Indoor dust filtration factor	55	0.15	62	0.05	19	0.41	19	0.10
Depth of soil mixing layer	57	0.13	65	0.05	29	0.30	29	0.07
Depth of roots	83	-0.03	83	-0.01	28	-0.31	28	-0.08
Wet weight crop yield of fruit, grain and non-leafy vegetables	35	-0.26	47	-0.09	88	-0.02	88	0.00
Weathering removal constant of all vegetation	30	0.30	35	0.13	65	0.10	64	0.02
Wet foliar interception fraction of leafy vegetables	36	-0.25	33	-0.14	10	-0.48	10	-0.13

R-SQUARE 0.97 0.97 0.95 0.95

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Meat (WaterDep.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	66	-0.20	53	-0.17	5	0.76	5	0.18
Kd of Ac-227 in Unsaturated Zone 1	63	-0.22	55	-0.16	63	0.20	63	0.03
Kd of Ac-227 in Saturated Zone	60	-0.26	69	-0.09	87	-0.07	87	-0.01
Kd of Am-241 in Contaminated Zone	17	-0.52	27	-0.28	65	-0.17	65	-0.03
Kd of Am-241 in Unsaturated Zone 1	24	0.49	2	1.21	16	-0.57	16	-0.11
Kd of Am-241 in Saturated Zone	18	-0.52	11	-0.47	60	-0.21	61	-0.03
Kd of Np-237 in Contaminated Zone	3	-0.72	7	-0.64	2	-0.88	3	-0.28
Kd of Np-237 in Unsaturated Zone 1	52	-0.33	58	-0.15	1	-0.97	1	-0.61
Kd of Np-237 in Saturated Zone	65	-0.20	49	-0.18	3	-0.88	2	-0.28
Kd of Pa-231 in Contaminated Zone	86	0.04	87	0.02	66	0.17	66	0.03
Kd of Pa-231 in Unsaturated Zone 1	72	0.16	70	0.08	29	-0.45	30	-0.07
Kd of Pa-231 in Saturated Zone	10	0.55	21	0.31	28	0.45	28	0.08
Kd of Pb-210 in Contaminated Zone	8	0.57	4	1.02	37	0.40	37	0.07
Kd of Pb-210 in Unsaturated Zone 1	55	-0.31	44	-0.21	45	-0.34	45	-0.05
Kd of Pb-210 in Saturated Zone	9	-0.57	20	-0.32	15	-0.59	15	-0.11
Kd of Pu-239 in Contaminated Zone	13	-0.54	23	-0.30	26	-0.49	26	-0.08
Kd of Pu-239 in Unsaturated Zone 1	45	0.35	28	0.28	36	-0.41	36	-0.07
Kd of Pu-239 in Saturated Zone	84	-0.06	73	-0.07	47	0.33	47	0.05
Kd of Ra-226 in Contaminated Zone	87	0.04	89	0.02	88	-0.06	88	-0.01
Kd of Ra-226 in Unsaturated Zone 1	2	0.73	8	0.63	76	-0.12	76	-0.02
Kd of Ra-226 in Saturated Zone	20	0.51	5	0.98	8	0.66	8	0.13
Kd of Ra-228 in Contaminated Zone	27	-0.48	3	-1.16	72	-0.14	72	-0.02
Kd of Ra-228 in Unsaturated Zone 1	4	0.62	16	0.39	67	-0.17	67	-0.03
Kd of Ra-228 in Saturated Zone	78	0.13	68	0.09	23	-0.50	22	-0.09
Kd of Tc-99 in Saturated Zone	35	0.42	15	0.39	32	0.43	33	0.07
Kd of Th-228 in Contaminated Zone	46	0.35	51	0.18	49	0.32	49	0.05
Kd of Th-228 in Unsaturated Zone 1	38	-0.40	38	-0.24	58	-0.22	58	-0.03
Kd of Th-228 in Saturated Zone	49	0.33	54	0.17	18	0.55	18	0.10
Kd of Th-229 in Contaminated Zone	67	-0.18	67	-0.10	27	-0.49	27	-0.08
Kd of Th-229 in Unsaturated Zone 1	77	0.13	80	0.05	59	-0.22	59	-0.03
Kd of Th-229 in Saturated Zone	6	-0.60	1	-1.27	62	0.21	62	0.03
Kd of Th-230 in Contaminated Zone	68	0.18	56	0.16	79	0.10	80	0.02
Kd of Th-230 in Unsaturated Zone 1	26	-0.48	9	-0.48	53	0.27	53	0.04
Kd of Th-230 in Saturated Zone	29	-0.46	6	-0.79	86	-0.08	86	-0.01
Kd of Th-232 in Contaminated Zone	58	0.27	57	0.15	81	-0.10	81	-0.02
Kd of Th-232 in Unsaturated Zone 1	47	-0.34	62	-0.13	51	-0.31	50	-0.05
Kd of Th-232 in Saturated Zone	32	-0.45	22	-0.31	75	-0.12	75	-0.02
Kd of U-233 in Saturated Zone	39	0.39	32	0.26	71	-0.14	71	-0.02
Kd of U-234 in Saturated Zone	19	-0.52	14	-0.40	11	-0.64	10	-0.13
Kd of U-235 in Saturated Zone	44	-0.35	45	-0.20	24	-0.50	25	-0.09
Kd of U-238 in Saturated Zone	88	-0.03	81	-0.04	7	-0.69	7	-0.15
Plant transfer factor for Ac	83	0.06	85	0.03	80	0.10	79	0.02
Meat transfer factor for Ac	79	-0.13	74	-0.07	55	-0.23	55	-0.04
Milk transfer factor for Ac	43	-0.38	47	-0.19	77	0.11	77	0.02
Fish transfer factor for Ac	40	-0.39	39	-0.24	41	-0.35	42	-0.06
Plant transfer factor for Am	62	-0.24	66	-0.12	9	0.65	9	0.13
Meat transfer factor for Am	48	-0.34	46	-0.20	19	-0.54	19	-0.10
Milk transfer factor for Am	30	-0.46	40	-0.23	69	0.16	68	0.03
Fish transfer factor for Am	14	0.53	19	0.34	42	0.35	41	0.06
Plant transfer factor for Pb	11	0.55	12	0.42	61	0.21	60	0.03
Meat transfer factor for Pb	23	0.50	34	0.25	6	-0.70	6	-0.15
Milk transfer factor for Pb	76	-0.14	76	-0.06	89	-0.04	89	-0.01
Fish transfer factor for Pb	56	0.30	64	0.13	13	-0.61	13	-0.12
Plant transfer factor for Np	57	0.28	43	0.21	33	0.43	32	0.07
Meat transfer factor for Np	28	0.46	36	0.24	4	0.87	4	0.26
Milk transfer factor for Np	71	-0.16	71	-0.08	54	-0.25	54	-0.04
Fish transfer factor for Np	37	0.40	26	0.29	35	0.43	35	0.07
Plant transfer factor for Pu	34	0.42	33	0.25	12	-0.64	12	-0.12
Meat transfer factor for Pu	69	-0.17	72	-0.07	21	-0.51	21	-0.09
Milk transfer factor for Pu	53	-0.33	61	-0.14	70	-0.15	70	-0.02
Fish transfer factor for Pu	7	-0.60	18	-0.38	25	0.49	24	0.09
Plant transfer factor for Pa	89	0.03	88	0.02	20	-0.52	20	-0.09
Meat transfer factor for Pa	85	-0.05	86	-0.02	10	0.64	11	0.13
Milk transfer factor for Pa	81	-0.07	83	-0.03	38	-0.39	38	-0.06
Fish transfer factor for Pa	21	0.51	25	0.29	73	0.12	74	0.02
Plant transfer factor for Ra	70	-0.16	77	-0.06	82	-0.10	82	-0.01
Meat transfer factor for Ra	64	-0.21	65	-0.12	39	0.39	39	0.06
Milk transfer factor for Ra	82	0.07	84	0.03	22	-0.51	23	-0.09
Fish transfer factor for Ra	1	0.76	10	0.47	44	0.34	44	0.06
Plant transfer factor for Tc	22	-0.51	13	-0.41	34	-0.43	34	-0.07
Meat transfer factor for Tc	16	0.53	30	0.27	50	0.31	51	0.05
Milk transfer factor for Tc	74	-0.15	79	-0.05	14	-0.60	14	-0.11
Fish transfer factor for Tc	50	0.33	42	0.23	85	0.08	85	0.01
Plant transfer factor for Th	31	0.45	29	0.28	64	0.18	64	0.03
Meat transfer factor for Th	12	0.55	24	0.30	43	-0.35	43	-0.06
Milk transfer factor for Th	36	-0.41	35	-0.25	83	0.09	83	0.01
Fish transfer factor for Th	33	-0.44	41	-0.23	17	-0.55	17	-0.10
Plant transfer factor for U	75	-0.14	75	-0.07	84	0.09	84	0.01
Meat transfer factor for U	73	-0.15	78	-0.06	52	-0.30	52	-0.05
Milk transfer factor for U	41	-0.39	59	-0.14	40	0.37	40	0.06
Fish transfer factor for U	54	0.31	48	0.19	31	0.44	29	0.07
Well pumping rate	51	0.33	52	0.17	74	0.12	73	0.02
Mass loading for inhalation	80	-0.11	82	-0.04	56	-0.23	56	-0.04
Indoor dust filtration factor	59	0.27	63	0.13	46	0.33	46	0.05
Depth of soil mixing layer	15	0.53	31	0.26	30	0.44	31	0.07
Depth of roots	61	0.25	60	0.14	78	-0.11	78	-0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	42	0.39	50	0.18	57	0.22	57	0.03
Weathering removal constant of all vegetation	5	-0.61	17	-0.39	48	-0.33	48	-0.05
Wet foliar interception fraction of leafy vegetables	25	-0.49	37	-0.24	68	-0.16	69	-0.02

R-SQUARE 0.95 0.95 0.98 0.98

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Meat (WaterDep.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	48	-0.22	64	-0.08	74	-0.07	74	-0.02
Kd of Ac-227 in Unsaturated Zone 1	64	-0.14	68	-0.07	27	-0.29	27	-0.08
Kd of Ac-227 in Saturated Zone	49	-0.21	47	-0.13	18	-0.37	18	-0.10
Kd of Am-241 in Contaminated Zone	22	-0.37	25	-0.21	56	0.13	56	0.03
Kd of Am-241 in Unsaturated Zone 1	19	0.39	1	15.02	21	0.32	21	0.09
Kd of Am-241 in Saturated Zone	41	0.26	55	0.11	46	-0.17	46	-0.04
Kd of Np-237 in Contaminated Zone	87	-0.01	87	-0.01	2	-0.84	2	-0.40
Kd of Np-237 in Unsaturated Zone 1	67	-0.13	63	-0.08	1	-0.90	1	-0.52
Kd of Np-237 in Saturated Zone	44	0.25	39	0.16	3	-0.73	3	-0.28
Kd of Pa-231 in Contaminated Zone	70	0.12	76	0.05	84	-0.03	84	-0.01
Kd of Pa-231 in Unsaturated Zone 1	35	-0.28	23	-0.23	34	-0.23	34	-0.06
Kd of Pa-231 in Saturated Zone	36	-0.28	26	-0.21	8	0.46	8	0.13
Kd of Pb-210 in Contaminated Zone	23	-0.36	35	-0.18	47	-0.16	48	-0.04
Kd of Pb-210 in Unsaturated Zone 1	61	0.17	37	0.17	51	-0.15	52	-0.04
Kd of Pb-210 in Saturated Zone	74	0.10	73	0.06	25	-0.30	26	-0.08
Kd of Pu-239 in Contaminated Zone	75	0.09	74	0.06	58	0.11	58	0.03
Kd of Pu-239 in Unsaturated Zone 1	80	-0.07	82	-0.03	57	-0.12	57	-0.03
Kd of Pu-239 in Saturated Zone	88	-0.01	88	0.00	85	-0.02	85	-0.01
Kd of Ra-226 in Contaminated Zone	39	-0.26	43	-0.14	33	-0.24	33	-0.06
Kd of Ra-226 in Unsaturated Zone 1	2	0.63	8	0.44	22	-0.32	22	-0.09
Kd of Ra-226 in Saturated Zone	16	-0.41	19	-0.27	38	0.22	39	0.06
Kd of Ra-228 in Contaminated Zone	76	0.08	78	0.05	35	0.22	35	0.06
Kd of Ra-228 in Unsaturated Zone 1	4	0.58	4	0.67	82	-0.03	83	-0.01
Kd of Ra-228 in Saturated Zone	40	-0.26	46	-0.14	6	0.56	6	0.18
Kd of Tc-99 in Saturated Zone	45	0.23	58	0.10	29	0.27	29	0.07
Kd of Th-228 in Contaminated Zone	15	-0.42	24	-0.23	11	-0.43	11	-0.12
Kd of Th-228 in Unsaturated Zone 1	57	0.20	27	0.21	24	-0.32	24	-0.09
Kd of Th-228 in Saturated Zone	34	-0.29	41	-0.15	61	0.10	61	0.03
Kd of Th-229 in Contaminated Zone	38	-0.27	49	-0.13	60	0.10	60	0.03
Kd of Th-229 in Unsaturated Zone 1	66	0.13	70	0.06	23	0.32	23	0.09
Kd of Th-229 in Saturated Zone	37	0.28	33	0.19	76	-0.05	76	-0.01
Kd of Th-230 in Contaminated Zone	46	0.23	44	0.14	59	-0.11	59	-0.03
Kd of Th-230 in Unsaturated Zone 1	63	-0.14	72	-0.06	14	-0.39	14	-0.11
Kd of Th-230 in Saturated Zone	52	0.20	29	0.21	12	-0.42	12	-0.12
Kd of Th-232 in Contaminated Zone	18	-0.40	15	-0.30	16	0.39	16	0.11
Kd of Th-232 in Unsaturated Zone 1	20	-0.39	2	****	40	0.21	40	0.06
Kd of Th-232 in Saturated Zone	33	0.30	50	0.13	44	-0.18	44	-0.05
Kd of U-233 in Saturated Zone	30	0.31	36	0.18	36	-0.22	38	-0.06
Kd of U-234 in Saturated Zone	82	-0.05	81	-0.03	30	0.26	31	0.07
Kd of U-235 in Saturated Zone	29	0.31	13	0.32	7	0.49	7	0.15
Kd of U-238 in Saturated Zone	28	-0.31	11	-0.34	70	-0.07	71	-0.02
Plant transfer factor for Ac	78	-0.08	71	-0.06	62	-0.10	62	-0.03
Meat transfer factor for Ac	58	0.19	53	0.12	72	-0.07	73	-0.02
Milk transfer factor for Ac	51	0.20	61	0.09	37	-0.22	36	-0.06
Fish transfer factor for Ac	71	-0.11	62	-0.09	68	0.07	68	0.02
Plant transfer factor for Am	3	-0.62	9	-0.40	42	0.20	42	0.05
Meat transfer factor for Am	27	-0.32	21	-0.24	15	0.39	15	0.11
Milk transfer factor for Am	68	0.13	60	0.10	49	0.15	49	0.04
Fish transfer factor for Am	7	-0.55	10	-0.35	9	-0.45	9	-0.13
Plant transfer factor for Pb	53	0.20	31	0.19	17	0.38	17	0.11
Meat transfer factor for Pb	42	0.26	40	0.16	31	-0.26	30	-0.07
Milk transfer factor for Pb	26	0.32	32	0.19	48	0.15	47	0.04
Fish transfer factor for Pb	1	0.92	3	0.86	41	0.21	41	0.06
Plant transfer factor for Np	65	0.13	69	0.07	45	-0.17	45	-0.04
Meat transfer factor for Np	8	0.52	17	0.29	10	0.44	10	0.13
Milk transfer factor for Np	62	0.16	45	0.14	28	-0.27	28	-0.07
Fish transfer factor for Np	9	-0.48	6	-0.47	50	0.15	50	0.04
Plant transfer factor for Pu	25	0.34	34	0.19	20	0.36	20	0.10
Meat transfer factor for Pu	84	-0.04	84	-0.02	55	0.13	55	0.03
Milk transfer factor for Pu	73	0.10	75	0.05	63	-0.10	63	-0.02
Fish transfer factor for Pu	56	-0.20	67	-0.08	13	0.40	13	0.11
Plant transfer factor for Pa	54	-0.20	59	-0.10	43	0.18	43	0.05
Meat transfer factor for Pa	21	-0.38	12	-0.33	19	0.37	19	0.10
Milk transfer factor for Pa	6	-0.56	5	-0.53	79	0.05	79	0.01
Fish transfer factor for Pa	43	-0.25	51	-0.12	32	-0.25	32	-0.07
Plant transfer factor for Ra	60	0.17	48	0.13	4	0.59	5	0.19
Meat transfer factor for Ra	83	-0.05	83	-0.03	77	-0.05	77	-0.01
Milk transfer factor for Ra	50	-0.20	57	-0.10	66	-0.08	66	-0.02
Fish transfer factor for Ra	14	-0.43	38	-0.17	5	-0.59	4	-0.19
Plant transfer factor for Tc	55	-0.20	56	-0.11	53	0.14	51	0.04
Meat transfer factor for Tc	12	0.45	14	0.31	71	0.07	70	0.02
Milk transfer factor for Tc	86	0.01	86	0.01	69	0.07	69	0.02
Fish transfer factor for Tc	72	-0.11	65	-0.08	80	-0.04	80	-0.01
Plant transfer factor for Th	11	-0.47	18	-0.28	78	-0.05	78	-0.01
Meat transfer factor for Th	17	-0.40	7	-0.45	54	-0.14	54	-0.04
Milk transfer factor for Th	85	0.02	85	0.01	87	0.01	87	0.00
Fish transfer factor for Th	89	-0.01	89	0.00	83	0.03	82	0.01
Plant transfer factor for U	47	0.22	54	0.11	86	-0.01	86	0.00
Meat transfer factor for U	69	-0.12	66	-0.08	75	0.06	75	0.01
Milk transfer factor for U	79	0.07	79	0.04	88	0.00	88	0.00
Fish transfer factor for U	32	-0.30	30	-0.20	89	0.00	89	0.00
Well pumping rate	31	-0.31	42	-0.15	73	-0.07	72	-0.02
Mass loading for inhalation	59	-0.18	52	-0.12	26	-0.29	25	-0.08
Indoor dust filtration factor	77	-0.08	77	-0.05	52	0.15	53	0.04
Depth of soil mixing layer	10	0.47	16	0.29	64	0.09	64	0.02
Depth of roots	13	-0.43	22	-0.24	65	0.09	65	0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	24	0.35	28	0.21	39	0.22	37	0.06
Weathering removal constant of all vegetation	81	0.05	80	0.04	81	-0.03	81	-0.01
Wet foliar interception fraction of leafy vegetables	5	0.56	20	0.25	67	-0.07	67	-0.02

R-SQUARE 0.94 0.94 0.94 0.94

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.



Coefficients for peak Milk (WaterDep.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	24	0.31	37	0.14	60	0.13	60	0.03
Kd of Ac-227 in Unsaturated Zone 1	66	0.12	73	0.05	16	-0.49	17	-0.14
Kd of Ac-227 in Saturated Zone	7	0.48	7	0.32	54	0.16	54	0.04
Kd of Am-241 in Contaminated Zone	21	-0.31	25	-0.19	48	-0.21	50	-0.05
Kd of Am-241 in Unsaturated Zone 1	78	0.07	61	0.08	80	-0.06	80	-0.01
Kd of Am-241 in Saturated Zone	72	0.10	17	0.21	30	0.33	31	0.09
Kd of Np-237 in Contaminated Zone	11	0.43	3	0.57	2	-0.70	2	-0.24
Kd of Np-237 in Unsaturated Zone 1	85	-0.03	81	-0.03	1	-0.90	1	-0.50
Kd of Np-237 in Saturated Zone	5	0.50	11	0.30	22	-0.41	21	-0.11
Kd of Pa-231 in Contaminated Zone	47	0.19	50	0.10	40	-0.25	40	-0.06
Kd of Pa-231 in Unsaturated Zone 1	63	-0.12	14	-0.26	6	-0.56	6	-0.17
Kd of Pa-231 in Saturated Zone	16	0.37	20	0.20	4	-0.58	4	-0.17
Kd of Pb-210 in Contaminated Zone	41	0.22	36	0.14	8	-0.54	8	-0.16
Kd of Pb-210 in Unsaturated Zone 1	71	0.11	49	0.10	9	-0.52	10	-0.15
Kd of Pb-210 in Saturated Zone	40	0.23	19	0.20	73	-0.09	73	-0.02
Kd of Pu-239 in Contaminated Zone	60	-0.14	45	-0.11	47	-0.22	47	-0.05
Kd of Pu-239 in Unsaturated Zone 1	3	0.55	5	0.42	69	-0.10	69	-0.02
Kd of Pu-239 in Saturated Zone	83	-0.03	84	-0.02	52	-0.20	52	-0.05
Kd of Ra-226 in Contaminated Zone	34	-0.26	16	-0.23	23	-0.41	23	-0.11
Kd of Ra-226 in Unsaturated Zone 1	57	0.14	55	0.09	29	-0.34	29	-0.09
Kd of Ra-226 in Saturated Zone	51	0.17	48	0.11	38	0.26	38	0.07
Kd of Ra-228 in Contaminated Zone	12	-0.39	4	-0.47	53	-0.16	53	-0.04
Kd of Ra-228 in Unsaturated Zone 1	42	-0.21	52	-0.10	59	-0.13	59	-0.03
Kd of Ra-228 in Saturated Zone	36	0.26	24	0.19	83	0.06	83	0.01
Kd of Tc-99 in Saturated Zone	74	-0.08	75	-0.04	5	0.57	5	0.17
Kd of Th-228 in Contaminated Zone	82	0.04	86	0.01	86	-0.03	86	-0.01
Kd of Th-228 in Unsaturated Zone 1	79	0.07	64	0.07	34	-0.30	35	-0.08
Kd of Th-228 in Saturated Zone	59	-0.14	40	-0.13	81	0.06	81	0.01
Kd of Th-229 in Contaminated Zone	6	0.48	15	0.24	33	-0.31	33	-0.08
Kd of Th-229 in Unsaturated Zone 1	39	0.24	13	0.28	41	0.25	41	0.06
Kd of Th-229 in Saturated Zone	46	0.20	60	0.08	68	0.10	68	0.03
Kd of Th-230 in Contaminated Zone	28	-0.29	23	-0.20	27	-0.36	27	-0.09
Kd of Th-230 in Unsaturated Zone 1	2	-0.62	2	-0.65	43	-0.24	43	-0.06
Kd of Th-230 in Saturated Zone	25	0.31	28	0.18	14	-0.49	14	-0.14
Kd of Th-232 in Contaminated Zone	52	0.16	58	0.09	85	-0.03	85	-0.01
Kd of Th-232 in Unsaturated Zone 1	84	0.03	82	0.02	77	0.07	77	0.02
Kd of Th-232 in Saturated Zone	56	0.14	65	0.07	44	-0.22	44	-0.06
Kd of U-233 in Saturated Zone	23	0.31	31	0.17	89	0.00	89	0.00
Kd of U-234 in Saturated Zone	87	0.01	85	0.02	45	0.22	46	0.06
Kd of U-235 in Saturated Zone	1	0.77	1	1.00	20	0.41	22	0.11
Kd of U-238 in Saturated Zone	9	-0.46	6	-0.35	65	0.11	65	0.03
Plant transfer factor for Ac	22	0.31	32	0.15	10	-0.52	9	-0.15
Meat transfer factor for Ac	70	0.11	74	0.05	49	0.21	49	0.05
Milk transfer factor for Ac	68	-0.11	63	-0.07	56	0.15	56	0.04
Fish transfer factor for Ac	8	-0.48	8	-0.31	67	0.10	67	0.03
Plant transfer factor for Am	30	-0.27	42	-0.12	24	-0.40	24	-0.11
Meat transfer factor for Am	35	0.26	22	0.20	61	0.13	61	0.03
Milk transfer factor for Am	49	0.17	53	0.10	82	-0.06	82	-0.01
Fish transfer factor for Am	88	0.01	88	0.01	57	-0.14	57	-0.04
Plant transfer factor for Pb	61	-0.13	54	-0.09	39	0.25	39	0.07
Meat transfer factor for Pb	18	-0.35	35	-0.15	15	-0.49	15	-0.14
Milk transfer factor for Pb	58	-0.14	62	-0.08	71	-0.09	71	-0.02
Fish transfer factor for Pb	14	-0.38	26	-0.19	13	-0.49	13	-0.14
Plant transfer factor for Np	48	0.18	57	0.09	74	0.08	74	0.02
Meat transfer factor for Np	55	0.15	66	0.06	78	-0.07	78	-0.02
Milk transfer factor for Np	4	0.53	12	0.28	12	0.52	12	0.15
Fish transfer factor for Np	26	-0.31	9	-0.30	76	0.08	76	0.02
Plant transfer factor for Pu	13	0.38	27	0.18	70	0.09	70	0.02
Meat transfer factor for Pu	20	-0.33	39	-0.14	88	0.02	88	0.00
Milk transfer factor for Pu	80	-0.06	79	-0.03	46	-0.22	45	-0.06
Fish transfer factor for Pu	76	-0.07	80	-0.03	64	0.11	64	0.03
Plant transfer factor for Pa	45	-0.21	41	-0.13	84	-0.04	84	-0.01
Meat transfer factor for Pa	54	-0.15	71	-0.06	75	-0.08	75	-0.02
Milk transfer factor for Pa	75	-0.07	77	-0.03	79	0.06	79	0.02
Fish transfer factor for Pa	44	-0.21	30	-0.17	42	-0.25	42	-0.06
Plant transfer factor for Ra	15	-0.37	21	-0.20	51	-0.20	51	-0.05
Meat transfer factor for Ra	10	-0.43	10	-0.30	72	0.09	72	0.02
Milk transfer factor for Ra	65	0.12	70	0.06	66	0.11	66	0.03
Fish transfer factor for Ra	67	0.11	51	0.10	32	0.33	32	0.08
Plant transfer factor for Tc	50	-0.17	59	-0.09	25	0.37	25	0.10
Meat transfer factor for Tc	33	0.26	34	0.15	11	0.52	11	0.15
Milk transfer factor for Tc	17	-0.36	29	-0.18	17	-0.48	16	-0.14
Fish transfer factor for Tc	32	-0.27	43	-0.12	3	-0.64	3	-0.20
Plant transfer factor for Th	86	0.03	87	0.01	28	-0.36	28	-0.09
Meat transfer factor for Th	69	0.11	68	0.06	19	-0.41	19	-0.11
Milk transfer factor for Th	89	0.00	89	0.00	21	0.41	20	0.11
Fish transfer factor for Th	62	-0.13	67	-0.06	62	0.12	62	0.03
Plant transfer factor for U	31	0.27	47	0.11	55	0.15	55	0.04
Meat transfer factor for U	81	0.06	83	0.02	58	-0.14	58	-0.03
Milk transfer factor for U	37	0.24	46	0.11	26	0.37	26	0.10
Fish transfer factor for U	73	-0.09	76	-0.04	63	-0.11	63	-0.03
Well pumping rate	77	-0.07	78	-0.03	35	-0.29	34	-0.08
Mass loading for inhalation	53	-0.16	69	-0.06	50	-0.21	48	-0.05
Indoor dust filtration factor	19	0.34	33	0.15	36	0.28	36	0.07
Depth of soil mixing layer	64	0.12	72	0.05	37	0.27	37	0.07
Depth of roots	38	0.24	56	0.09	31	-0.33	30	-0.09
Wet weight crop yield of fruit, grain and non-leafy vegetables	27	-0.31	38	-0.14	87	0.03	87	0.01
Weathering removal constant of all vegetation	43	-0.21	44	-0.12	18	0.42	18	0.12
Wet foliar interception fraction of leafy vegetables	29	-0.29	18	-0.21	7	-0.56	7	-0.17

R-SQUARE 0.95 0.95 0.94 0.94

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Milk (WaterDep.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	76	-0.08	67	-0.06	7	0.76	7	0.18
Kd of Ac-227 in Unsaturated Zone 1	62	-0.15	51	-0.11	60	-0.22	61	-0.04
Kd of Ac-227 in Saturated Zone	14	-0.38	37	-0.14	71	0.15	71	0.02
Kd of Am-241 in Contaminated Zone	26	-0.31	31	-0.16	39	0.40	40	0.07
Kd of Am-241 in Unsaturated Zone 1	6	0.49	2	1.30	70	-0.16	70	-0.03
Kd of Am-241 in Saturated Zone	16	-0.38	8	-0.33	33	-0.43	34	-0.08
Kd of Np-237 in Contaminated Zone	11	-0.45	9	-0.33	3	-0.82	3	-0.23
Kd of Np-237 in Unsaturated Zone 1	73	-0.10	75	-0.04	1	-0.96	1	-0.57
Kd of Np-237 in Saturated Zone	64	0.15	39	0.14	6	-0.76	6	-0.19
Kd of Pa-231 in Contaminated Zone	80	0.03	82	0.02	83	0.02	83	0.00
Kd of Pa-231 in Unsaturated Zone 1	41	0.25	44	0.13	2	-0.85	2	-0.25
Kd of Pa-231 in Saturated Zone	72	0.10	74	0.05	48	0.31	48	0.05
Kd of Pb-210 in Contaminated Zone	34	0.28	7	0.45	27	0.47	27	0.08
Kd of Pb-210 in Unsaturated Zone 1	29	-0.30	21	-0.22	54	-0.25	54	-0.04
Kd of Pb-210 in Saturated Zone	55	-0.21	59	-0.10	38	-0.41	38	-0.07
Kd of Pu-239 in Contaminated Zone	68	-0.12	69	-0.06	28	-0.46	29	-0.08
Kd of Pu-239 in Unsaturated Zone 1	70	-0.10	64	-0.08	12	-0.63	12	-0.13
Kd of Pu-239 in Saturated Zone	89	0.00	89	0.00	41	0.39	42	0.07
Kd of Ra-226 in Contaminated Zone	78	-0.06	78	-0.03	85	-0.02	85	0.00
Kd of Ra-226 in Unsaturated Zone 1	1	0.77	4	0.76	77	-0.08	77	-0.01
Kd of Ra-226 in Saturated Zone	10	0.46	3	0.90	4	0.81	4	0.22
Kd of Ra-228 in Contaminated Zone	5	-0.50	1	-1.31	35	-0.42	36	-0.07
Kd of Ra-228 in Unsaturated Zone 1	8	0.47	13	0.28	67	-0.18	68	-0.03
Kd of Ra-228 in Saturated Zone	27	0.31	18	0.24	45	-0.35	45	-0.06
Kd of Tc-99 in Saturated Zone	54	0.21	23	0.19	8	0.75	8	0.18
Kd of Th-228 in Contaminated Zone	37	0.27	40	0.14	46	0.34	46	0.06
Kd of Th-228 in Unsaturated Zone 1	20	-0.34	22	-0.21	76	0.09	76	0.01
Kd of Th-228 in Saturated Zone	88	-0.01	88	0.00	43	0.37	44	0.06
Kd of Th-229 in Contaminated Zone	60	0.17	61	0.10	14	-0.63	15	-0.13
Kd of Th-229 in Unsaturated Zone 1	66	0.14	72	0.06	62	-0.22	62	-0.03
Kd of Th-229 in Saturated Zone	24	-0.32	6	-0.59	79	0.06	79	0.01
Kd of Th-230 in Contaminated Zone	25	-0.32	12	-0.31	58	0.23	59	0.04
Kd of Th-230 in Unsaturated Zone 1	74	-0.10	62	-0.09	52	0.28	52	0.05
Kd of Th-230 in Saturated Zone	15	-0.38	5	-0.66	53	-0.26	53	-0.04
Kd of Th-232 in Contaminated Zone	42	0.25	36	0.14	75	-0.10	75	-0.01
Kd of Th-232 in Unsaturated Zone 1	67	-0.13	73	-0.05	22	-0.53	22	-0.10
Kd of Th-232 in Saturated Zone	46	-0.24	30	-0.16	19	-0.58	19	-0.11
Kd of U-233 in Saturated Zone	33	0.29	24	0.19	63	-0.21	63	-0.03
Kd of U-234 in Saturated Zone	79	-0.04	79	-0.03	80	-0.06	80	-0.01
Kd of U-235 in Saturated Zone	35	-0.27	32	-0.16	37	-0.41	37	-0.07
Kd of U-238 in Saturated Zone	87	-0.01	81	-0.02	5	-0.79	5	-0.21
Plant transfer factor for Ac	50	0.22	55	0.11	68	-0.18	67	-0.03
Meat transfer factor for Ac	57	-0.19	53	-0.11	82	0.02	82	0.00
Milk transfer factor for Ac	84	-0.03	84	-0.01	72	-0.12	72	-0.02
Fish transfer factor for Ac	51	-0.22	43	-0.13	56	-0.24	56	-0.04
Plant transfer factor for Am	52	-0.22	52	-0.11	15	0.62	13	0.13
Meat transfer factor for Am	49	0.23	45	0.13	23	-0.52	23	-0.10
Milk transfer factor for Am	19	-0.34	27	-0.17	57	-0.23	57	-0.04
Fish transfer factor for Am	71	0.10	71	0.06	16	0.62	16	0.12
Plant transfer factor for Pb	12	0.42	10	0.32	25	0.48	25	0.09
Meat transfer factor for Pb	21	0.33	33	0.15	21	-0.54	21	-0.10
Milk transfer factor for Pb	59	-0.18	63	-0.08	87	-0.01	87	0.00
Fish transfer factor for Pb	81	0.03	85	0.01	9	-0.72	9	-0.17
Plant transfer factor for Np	47	0.23	25	0.18	30	0.46	28	0.08
Meat transfer factor for Np	43	-0.24	49	-0.12	26	0.47	26	0.08
Milk transfer factor for Np	45	0.24	48	0.12	31	0.45	31	0.08
Fish transfer factor for Np	61	0.15	57	0.10	17	0.61	17	0.12
Plant transfer factor for Pu	13	0.39	17	0.24	89	0.00	89	0.00
Meat transfer factor for Pu	28	-0.31	41	-0.13	20	-0.57	20	-0.11
Milk transfer factor for Pu	75	-0.10	77	-0.04	61	-0.22	60	-0.04
Fish transfer factor for Pu	39	-0.26	35	-0.14	32	0.44	32	0.08
Plant transfer factor for Pa	85	-0.02	83	-0.01	40	-0.40	39	-0.07
Meat transfer factor for Pa	65	-0.14	68	-0.06	44	0.37	43	0.06
Milk transfer factor for Pa	58	-0.19	65	-0.08	78	-0.07	78	-0.01
Fish transfer factor for Pa	48	0.23	50	0.12	51	-0.28	51	-0.05
Plant transfer factor for Ra	36	-0.27	58	-0.10	69	0.17	69	0.03
Meat transfer factor for Ra	69	-0.10	70	-0.06	65	0.20	65	0.03
Milk transfer factor for Ra	30	0.30	38	0.14	13	-0.63	14	-0.13
Fish transfer factor for Ra	4	0.53	15	0.27	34	0.43	33	0.08
Plant transfer factor for Tc	82	-0.03	80	-0.02	55	0.24	55	0.04
Meat transfer factor for Tc	83	-0.03	86	-0.01	36	0.42	35	0.07
Milk transfer factor for Tc	22	-0.32	46	-0.13	24	-0.50	24	-0.09
Fish transfer factor for Tc	77	0.06	76	0.04	49	0.29	49	0.05
Plant transfer factor for Th	38	0.26	28	0.16	59	0.23	58	0.04
Meat transfer factor for Th	31	0.30	34	0.15	18	-0.59	18	-0.12
Milk transfer factor for Th	56	0.19	54	0.11	50	0.29	50	0.05
Fish transfer factor for Th	7	-0.48	14	-0.27	11	-0.65	11	-0.14
Plant transfer factor for U	3	-0.54	11	-0.31	66	-0.20	66	-0.03
Meat transfer factor for U	23	-0.32	42	-0.13	29	-0.46	30	-0.08
Milk transfer factor for U	2	-0.56	16	-0.24	74	0.10	74	0.02
Fish transfer factor for U	40	-0.25	29	-0.16	86	-0.01	86	0.00
Well pumping rate	44	0.24	47	0.13	81	-0.05	81	-0.01
Mass loading for inhalation	32	-0.29	60	-0.10	42	-0.38	41	-0.07
Indoor dust filtration factor	53	0.22	56	0.11	47	0.31	47	0.05
Depth of soil mixing layer	9	0.47	20	0.23	10	0.71	10	0.16
Depth of roots	17	0.37	19	0.23	73	-0.12	73	-0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	86	-0.02	87	-0.01	84	0.02	84	0.00
Weathering removal constant of all vegetation	63	-0.15	66	-0.08	64	-0.21	64	-0.03
Wet foliar interception fraction of leafy vegetables	18	-0.36	26	-0.17	88	-0.01	88	0.00

R-SQUARE 0.94 0.94 0.98 0.98

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Milk (WaterDep.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	45	0.33	58	0.14	87	-0.01	87	0.00
Kd of Ac-227 in Unsaturated Zone 1	50	-0.29	54	-0.18	51	-0.21	51	-0.05
Kd of Ac-227 in Saturated Zone	18	-0.50	20	-0.40	7	-0.58	7	-0.18
Kd of Am-241 in Contaminated Zone	65	-0.18	66	-0.11	78	0.04	79	0.01
Kd of Am-241 in Unsaturated Zone 1	70	-0.16	1	-6.37	16	0.44	16	0.13
Kd of Am-241 in Saturated Zone	9	-0.59	26	-0.33	33	-0.32	34	-0.09
Kd of Np-237 in Contaminated Zone	66	0.18	77	0.08	3	-0.75	3	-0.29
Kd of Np-237 in Unsaturated Zone 1	44	0.34	40	0.26	1	-0.80	1	-0.34
Kd of Np-237 in Saturated Zone	72	-0.16	65	-0.11	2	-0.77	2	-0.32
Kd of Pa-231 in Contaminated Zone	24	0.48	37	0.27	21	-0.42	21	-0.12
Kd of Pa-231 in Unsaturated Zone 1	57	0.23	50	0.21	4	-0.69	4	-0.25
Kd of Pa-231 in Saturated Zone	42	0.35	30	0.30	52	0.19	52	0.05
Kd of Pb-210 in Contaminated Zone	30	-0.43	44	-0.24	31	-0.33	31	-0.09
Kd of Pb-210 in Unsaturated Zone 1	26	0.46	11	0.57	22	-0.42	20	-0.12
Kd of Pb-210 in Saturated Zone	52	-0.28	52	-0.19	25	-0.38	25	-0.10
Kd of Pu-239 in Contaminated Zone	39	0.37	36	0.28	68	0.10	68	0.03
Kd of Pu-239 in Unsaturated Zone 1	61	0.21	68	0.10	61	-0.14	62	-0.04
Kd of Pu-239 in Saturated Zone	22	0.49	25	0.33	56	-0.18	56	-0.05
Kd of Ra-226 in Contaminated Zone	46	0.32	53	0.19	81	-0.04	81	-0.01
Kd of Ra-226 in Unsaturated Zone 1	71	-0.16	74	-0.10	37	-0.30	36	-0.08
Kd of Ra-226 in Saturated Zone	56	-0.23	55	-0.16	26	0.36	26	0.10
Kd of Ra-228 in Contaminated Zone	69	0.17	72	0.10	49	0.23	49	0.06
Kd of Ra-228 in Unsaturated Zone 1	13	0.52	10	0.62	72	-0.08	72	-0.02
Kd of Ra-228 in Saturated Zone	23	0.48	28	0.30	8	0.57	8	0.18
Kd of Tc-99 in Saturated Zone	4	0.66	19	0.41	19	0.42	22	0.12
Kd of Th-228 in Contaminated Zone	40	0.36	49	0.21	46	-0.25	46	-0.07
Kd of Th-228 in Unsaturated Zone 1	25	0.47	8	0.62	70	-0.09	70	-0.02
Kd of Th-228 in Saturated Zone	68	-0.18	73	-0.10	55	0.18	54	0.05
Kd of Th-229 in Contaminated Zone	75	-0.13	82	-0.07	36	0.30	37	0.08
Kd of Th-229 in Unsaturated Zone 1	83	-0.08	83	-0.04	38	0.28	38	0.08
Kd of Th-229 in Saturated Zone	87	-0.06	84	-0.04	83	-0.03	82	-0.01
Kd of Th-230 in Contaminated Zone	3	0.68	12	0.57	12	-0.50	12	-0.15
Kd of Th-230 in Unsaturated Zone 1	51	0.29	59	0.14	14	-0.46	14	-0.13
Kd of Th-230 in Saturated Zone	78	0.12	60	0.14	10	-0.51	10	-0.15
Kd of Th-232 in Contaminated Zone	19	-0.50	15	-0.45	9	0.54	9	0.17
Kd of Th-232 in Unsaturated Zone 1	74	0.15	2	5.85	69	0.10	69	0.03
Kd of Th-232 in Saturated Zone	86	-0.07	87	-0.03	43	-0.26	43	-0.07
Kd of U-233 in Saturated Zone	36	0.38	45	0.24	45	-0.25	45	-0.07
Kd of U-234 in Saturated Zone	47	0.32	41	0.26	13	0.46	13	0.14
Kd of U-235 in Saturated Zone	82	-0.08	76	-0.09	20	0.42	19	0.12
Kd of U-238 in Saturated Zone	14	-0.51	4	-0.67	58	-0.17	58	-0.04
Plant transfer factor for Ac	81	-0.09	79	-0.08	29	-0.34	30	-0.09
Meat transfer factor for Ac	2	0.73	3	0.68	71	-0.09	71	-0.02
Milk transfer factor for Ac	58	-0.23	61	-0.12	74	-0.07	74	-0.02
Fish transfer factor for Ac	37	-0.37	22	-0.36	53	0.19	53	0.05
Plant transfer factor for Am	76	-0.13	81	-0.07	66	-0.11	66	-0.03
Meat transfer factor for Am	6	-0.63	7	-0.63	32	0.33	33	0.09
Milk transfer factor for Am	49	-0.29	43	-0.25	60	0.16	60	0.04
Fish transfer factor for Am	7	-0.60	16	-0.44	44	-0.25	44	-0.07
Plant transfer factor for Pb	12	0.52	9	0.62	48	0.23	48	0.06
Meat transfer factor for Pb	15	0.51	21	0.38	30	-0.33	29	-0.09
Milk transfer factor for Pb	29	0.44	32	0.29	24	0.38	24	0.11
Fish transfer factor for Pb	1	0.79	14	0.51	73	0.08	73	0.02
Plant transfer factor for Np	33	-0.41	46	-0.24	54	-0.19	55	-0.05
Meat transfer factor for Np	84	-0.07	86	-0.04	41	-0.27	41	-0.07
Milk transfer factor for Np	11	0.56	6	0.64	42	0.27	42	0.07
Fish transfer factor for Np	53	-0.28	38	-0.27	39	-0.28	39	-0.08
Plant transfer factor for Pu	8	0.60	18	0.41	15	0.45	15	0.13
Meat transfer factor for Pu	5	0.65	17	0.41	57	0.17	57	0.05
Milk transfer factor for Pu	20	-0.50	23	-0.33	28	-0.34	28	-0.09
Fish transfer factor for Pu	64	0.19	78	0.08	11	0.51	11	0.15
Plant transfer factor for Pa	63	-0.19	71	-0.10	27	0.35	27	0.10
Meat transfer factor for Pa	79	-0.12	67	-0.11	23	0.39	23	0.11
Milk transfer factor for Pa	80	-0.12	70	-0.10	50	0.22	50	0.06
Fish transfer factor for Pa	62	-0.20	69	-0.10	40	-0.28	40	-0.08
Plant transfer factor for Ra	38	-0.37	24	-0.33	5	0.67	5	0.23
Meat transfer factor for Ra	32	-0.42	29	-0.30	63	-0.12	63	-0.03
Milk transfer factor for Ra	43	0.34	51	0.20	64	0.12	64	0.03
Fish transfer factor for Ra	54	-0.28	64	-0.11	6	-0.59	6	-0.19
Plant transfer factor for Tc	85	-0.07	85	-0.04	80	0.04	80	0.01
Meat transfer factor for Tc	60	-0.22	57	-0.15	88	0.00	88	0.00
Milk transfer factor for Tc	28	0.46	34	0.29	65	0.12	65	0.03
Fish transfer factor for Tc	10	-0.56	13	-0.52	85	-0.02	85	0.00
Plant transfer factor for Th	55	0.27	56	0.16	84	0.03	84	0.01
Meat transfer factor for Th	21	0.49	5	0.65	77	-0.05	77	-0.01
Milk transfer factor for Th	67	-0.18	62	-0.11	75	-0.05	75	-0.01
Fish transfer factor for Th	17	0.50	39	0.26	34	0.31	32	0.09
Plant transfer factor for U	27	-0.46	33	-0.29	76	0.05	76	0.01
Meat transfer factor for U	41	0.36	42	0.26	79	-0.04	78	-0.01
Milk transfer factor for U	34	0.40	35	0.28	62	0.14	61	0.04
Fish transfer factor for U	73	0.16	63	0.11	82	0.03	83	0.01
Well pumping rate	16	0.50	31	0.29	47	0.24	47	0.06
Mass loading for inhalation	48	-0.31	47	-0.23	17	-0.43	17	-0.13
Indoor dust filtration factor	31	-0.42	27	-0.31	89	0.00	89	0.00
Depth of soil mixing layer	88	-0.04	89	-0.02	35	0.31	35	0.08
Depth of roots	35	-0.38	48	-0.23	67	0.11	67	0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	77	-0.12	80	-0.07	18	0.42	18	0.12
Weathering removal constant of all vegetation	89	-0.04	88	-0.03	59	0.17	59	0.04
Wet foliar interception fraction of leafy vegetables	59	0.22	75	0.09	86	0.01	86	0.00

R-SQUARE 0.93 0.93 0.94 0.94

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Am-241 Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	80	-0.05	82	-0.03	7	0.53	7	0.05
Kd of Ac-227 in Unsaturated Zone 1	45	0.18	55	0.12	79	0.12	80	0.01
Kd of Ac-227 in Saturated Zone	84	-0.03	87	-0.03	72	-0.15	72	-0.01
Kd of Am-241 in Contaminated Zone	22	-0.29	23	-0.24	11	-0.48	12	-0.05
Kd of Am-241 in Unsaturated Zone 1	13	-0.34	6	-0.60	8	-0.51	8	-0.05
Kd of Am-241 in Saturated Zone	87	-0.02	73	-0.07	49	-0.32	49	-0.03
Kd of Np-237 in Contaminated Zone	3	0.58	1	1.19	14	-0.45	14	-0.04
Kd of Np-237 in Unsaturated Zone 1	52	0.16	33	0.19	41	0.35	41	0.03
Kd of Np-237 in Saturated Zone	50	0.17	53	0.12	64	-0.23	64	-0.02
Kd of Pa-231 in Contaminated Zone	65	0.12	62	0.09	40	0.37	39	0.03
Kd of Pa-231 in Unsaturated Zone 1	78	-0.06	37	-0.17	77	-0.13	76	-0.01
Kd of Pa-231 in Saturated Zone	43	-0.19	49	-0.14	32	0.38	34	0.04
Kd of Pb-210 in Contaminated Zone	68	0.10	63	0.09	50	0.31	50	0.03
Kd of Pb-210 in Unsaturated Zone 1	32	-0.25	11	-0.35	71	0.17	71	0.01
Kd of Pb-210 in Saturated Zone	69	-0.10	56	-0.12	68	0.18	68	0.02
Kd of Pu-239 in Contaminated Zone	62	0.13	45	0.15	46	0.33	47	0.03
Kd of Pu-239 in Unsaturated Zone 1	17	-0.32	15	-0.30	47	0.33	46	0.03
Kd of Pu-239 in Saturated Zone	38	-0.21	34	-0.19	42	0.34	43	0.03
Kd of Ra-226 in Contaminated Zone	47	-0.18	30	-0.21	12	0.48	11	0.05
Kd of Ra-226 in Unsaturated Zone 1	54	0.16	47	0.15	55	0.29	56	0.03
Kd of Ra-226 in Saturated Zone	71	0.09	66	0.08	19	-0.44	18	-0.04
Kd of Ra-228 in Contaminated Zone	6	-0.49	2	-0.87	16	0.44	20	0.04
Kd of Ra-228 in Unsaturated Zone 1	70	-0.10	76	-0.06	4	0.60	4	0.07
Kd of Ra-228 in Saturated Zone	85	0.03	85	0.03	75	0.13	75	0.01
Kd of Tc-99 in Saturated Zone	28	-0.26	32	-0.19	10	-0.48	10	-0.05
Kd of Th-228 in Contaminated Zone	75	-0.07	83	-0.03	44	0.33	44	0.03
Kd of Th-228 in Unsaturated Zone 1	8	0.42	5	0.71	5	0.55	5	0.06
Kd of Th-228 in Saturated Zone	53	0.16	28	0.22	23	-0.43	26	-0.04
Kd of Th-229 in Contaminated Zone	10	0.37	22	0.24	25	-0.42	25	-0.04
Kd of Th-229 in Unsaturated Zone 1	86	0.03	80	0.04	84	-0.10	84	-0.01
Kd of Th-229 in Saturated Zone	30	0.26	44	0.15	9	-0.50	9	-0.05
Kd of Th-230 in Contaminated Zone	35	-0.22	29	-0.21	29	-0.41	30	-0.04
Kd of Th-230 in Unsaturated Zone 1	18	0.31	9	0.38	3	-0.66	3	-0.07
Kd of Th-230 in Saturated Zone	39	-0.21	38	-0.17	88	-0.03	88	0.00
Kd of Th-232 in Contaminated Zone	12	0.36	16	0.29	82	0.12	82	0.01
Kd of Th-232 in Unsaturated Zone 1	34	0.24	20	0.26	28	0.41	28	0.04
Kd of Th-232 in Saturated Zone	37	0.22	40	0.16	78	0.12	78	0.01
Kd of U-233 in Saturated Zone	60	-0.14	60	-0.10	39	-0.37	37	-0.03
Kd of U-234 in Saturated Zone	76	0.06	51	0.13	33	0.38	36	0.03
Kd of U-235 in Saturated Zone	27	-0.26	13	-0.32	51	-0.31	51	-0.03
Kd of U-238 in Saturated Zone	2	-0.67	3	-0.85	59	0.27	59	0.02
Plant transfer factor for Ac	59	-0.14	61	-0.09	37	0.37	35	0.04
Meat transfer factor for Ac	4	-0.51	10	-0.38	86	-0.05	86	0.00
Milk transfer factor for Ac	72	0.08	72	0.08	61	-0.24	62	-0.02
Fish transfer factor for Ac	23	0.28	25	0.23	31	-0.38	32	-0.04
Plant transfer factor for Am	1	0.79	4	0.80	1	1.00	1	0.93
Meat transfer factor for Am	46	0.18	35	0.19	27	0.42	27	0.04
Milk transfer factor for Am	19	0.31	21	0.25	54	-0.29	54	-0.03
Fish transfer factor for Am	48	-0.17	42	-0.16	67	0.18	67	0.02
Plant transfer factor for Pb	81	0.05	78	0.05	24	0.43	23	0.04
Meat transfer factor for Pb	41	0.20	57	0.11	69	0.18	69	0.02
Milk transfer factor for Pb	33	-0.25	31	-0.20	36	-0.37	38	-0.03
Fish transfer factor for Pb	66	0.12	68	0.08	26	-0.42	24	-0.04
Plant transfer factor for Np	83	0.04	86	0.03	57	0.28	57	0.03
Meat transfer factor for Np	73	-0.08	77	-0.05	2	0.73	2	0.09
Milk transfer factor for Np	51	0.16	59	0.11	38	-0.37	40	-0.03
Fish transfer factor for Np	15	0.33	8	0.46	87	-0.05	87	0.00
Plant transfer factor for Pu	58	0.14	64	0.09	43	-0.33	42	-0.03
Meat transfer factor for Pu	26	-0.27	43	-0.16	22	0.43	22	0.04
Milk transfer factor for Pu	20	-0.30	26	-0.22	85	-0.10	85	-0.01
Fish transfer factor for Pu	29	-0.26	48	-0.14	76	-0.13	77	-0.01
Plant transfer factor for Pa	31	-0.25	27	-0.22	34	-0.38	31	-0.04
Meat transfer factor for Pa	21	0.29	39	0.16	66	-0.22	66	-0.02
Milk transfer factor for Pa	79	-0.06	81	-0.04	48	0.32	48	0.03
Fish transfer factor for Pa	40	0.21	24	0.24	18	0.44	16	0.04
Plant transfer factor for Ra	49	-0.17	52	-0.12	73	0.15	73	0.01
Meat transfer factor for Ra	5	-0.50	7	-0.51	89	0.00	89	0.00
Milk transfer factor for Ra	55	0.15	58	0.11	17	-0.44	17	-0.04
Fish transfer factor for Ra	77	0.06	74	0.07	15	-0.45	15	-0.04
Plant transfer factor for Tc	82	-0.04	84	-0.03	56	0.29	55	0.03
Meat transfer factor for Tc	14	0.34	17	0.28	20	0.44	21	0.04
Milk transfer factor for Tc	64	-0.12	67	-0.08	21	-0.43	19	-0.04
Fish transfer factor for Tc	89	0.01	89	0.01	74	0.14	74	0.01
Plant transfer factor for Th	9	-0.37	19	-0.27	62	-0.24	63	-0.02
Meat transfer factor for Th	44	-0.18	46	-0.15	65	0.23	65	0.02
Milk transfer factor for Th	61	-0.13	69	-0.08	13	0.46	13	0.05
Fish transfer factor for Th	74	0.07	79	0.05	30	-0.40	29	-0.04
Plant transfer factor for U	57	-0.14	70	-0.08	52	0.30	53	0.03
Meat transfer factor for U	42	0.19	54	0.12	53	0.30	52	0.03
Milk transfer factor for U	67	0.10	75	0.07	35	-0.38	33	-0.04
Fish transfer factor for U	25	0.28	36	0.17	6	0.55	6	0.06
Well pumping rate	36	0.22	50	0.14	70	0.17	70	0.02
Mass loading for inhalation	24	0.28	41	0.16	63	-0.24	61	-0.02
Indoor dust filtration factor	56	-0.15	65	-0.09	58	-0.27	58	-0.02
Depth of soil mixing layer	88	-0.02	88	-0.01	81	-0.12	81	-0.01
Depth of roots	7	0.46	18	0.28	83	0.10	83	0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	63	0.13	71	0.08	80	0.12	79	0.01
Weathering removal constant of all vegetation	11	0.37	14	0.31	45	0.33	45	0.03
Wet foliar interception fraction of leafy vegetables	16	0.32	12	0.33	60	-0.25	60	-0.02

R-SQUARE 0.91 0.91 0.99 0.99

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Am-241 Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	6	-0.65	5	-0.74	25	-0.51	25	-0.02
Kd of Ac-227 in Unsaturated Zone 1	34	-0.26	24	-0.21	78	0.07	78	0.00
Kd of Ac-227 in Saturated Zone	49	0.18	62	0.07	23	0.53	23	0.02
Kd of Am-241 in Contaminated Zone	7	-0.55	15	-0.32	21	-0.54	21	-0.02
Kd of Am-241 in Unsaturated Zone 1	66	0.12	18	0.27	2	-0.84	2	-0.04
Kd of Am-241 in Saturated Zone	68	-0.10	58	-0.08	3	-0.83	3	-0.04
Kd of Np-237 in Contaminated Zone	10	-0.52	11	-0.41	83	0.05	83	0.00
Kd of Np-237 in Unsaturated Zone 1	28	-0.29	36	-0.14	52	0.27	51	0.01
Kd of Np-237 in Saturated Zone	80	0.04	73	0.04	11	0.60	11	0.02
Kd of Pa-231 in Contaminated Zone	39	0.24	39	0.14	47	0.30	47	0.01
Kd of Pa-231 in Unsaturated Zone 1	77	0.05	77	0.03	51	-0.27	53	-0.01
Kd of Pa-231 in Saturated Zone	20	0.34	31	0.18	76	-0.08	76	0.00
Kd of Pb-210 in Contaminated Zone	14	0.46	4	0.82	48	0.29	48	0.01
Kd of Pb-210 in Unsaturated Zone 1	83	0.03	80	0.02	79	0.06	79	0.00
Kd of Pb-210 in Saturated Zone	75	-0.06	76	-0.03	32	0.47	32	0.02
Kd of Pu-239 in Contaminated Zone	36	0.26	37	0.14	37	0.43	37	0.01
Kd of Pu-239 in Unsaturated Zone 1	40	0.23	29	0.19	66	0.13	68	0.00
Kd of Pu-239 in Saturated Zone	27	-0.30	10	-0.42	70	0.11	71	0.00
Kd of Ra-226 in Contaminated Zone	26	-0.30	33	-0.15	65	0.14	65	0.00
Kd of Ra-226 in Unsaturated Zone 1	30	0.29	30	0.19	84	0.04	85	0.00
Kd of Ra-226 in Saturated Zone	1	0.77	1	2.14	39	0.41	40	0.01
Kd of Ra-228 in Contaminated Zone	48	-0.19	9	-0.44	46	0.31	46	0.01
Kd of Ra-228 in Unsaturated Zone 1	35	-0.26	34	-0.15	15	-0.56	14	-0.02
Kd of Ra-228 in Saturated Zone	72	0.07	69	0.05	55	-0.25	55	-0.01
Kd of Tc-99 in Saturated Zone	9	0.53	7	0.57	87	0.03	87	0.00
Kd of Th-228 in Contaminated Zone	58	0.14	60	0.07	68	0.13	67	0.00
Kd of Th-228 in Unsaturated Zone 1	71	0.08	72	0.05	59	0.20	59	0.01
Kd of Th-228 in Saturated Zone	41	0.23	43	0.12	77	-0.07	77	0.00
Kd of Th-229 in Contaminated Zone	16	-0.40	20	-0.27	82	0.06	82	0.00
Kd of Th-229 in Unsaturated Zone 1	78	-0.05	81	-0.02	12	-0.60	13	-0.02
Kd of Th-229 in Saturated Zone	11	-0.52	3	-1.09	9	0.64	9	0.02
Kd of Th-230 in Contaminated Zone	87	0.02	84	0.02	31	-0.47	31	-0.02
Kd of Th-230 in Unsaturated Zone 1	19	-0.35	12	-0.35	8	-0.65	8	-0.02
Kd of Th-230 in Saturated Zone	2	-0.74	2	-1.82	62	0.16	62	0.00
Kd of Th-232 in Contaminated Zone	22	0.33	28	0.20	38	-0.42	38	-0.01
Kd of Th-232 in Unsaturated Zone 1	53	-0.16	63	-0.07	75	-0.08	75	0.00
Kd of Th-232 in Saturated Zone	17	-0.39	17	-0.28	63	0.15	63	0.00
Kd of U-233 in Saturated Zone	5	0.65	8	0.56	36	0.44	35	0.01
Kd of U-234 in Saturated Zone	3	0.68	6	0.67	5	0.69	5	0.03
Kd of U-235 in Saturated Zone	67	0.11	65	0.06	17	-0.56	19	-0.02
Kd of U-238 in Saturated Zone	52	0.17	22	0.25	7	0.66	7	0.03
Plant transfer factor for Ac	13	-0.49	19	-0.27	60	-0.19	60	-0.01
Meat transfer factor for Ac	47	-0.19	45	-0.12	10	-0.62	10	-0.02
Milk transfer factor for Ac	8	-0.54	13	-0.33	42	-0.38	42	-0.01
Fish transfer factor for Ac	57	0.15	55	0.09	14	-0.56	15	-0.02
Plant transfer factor for Am	74	0.07	75	0.04	1	1.00	1	0.99
Meat transfer factor for Am	60	0.14	59	0.08	71	0.11	70	0.00
Milk transfer factor for Am	33	0.27	42	0.13	41	0.41	41	0.01
Fish transfer factor for Am	70	0.09	68	0.06	29	0.48	29	0.02
Plant transfer factor for Pb	46	0.19	38	0.14	56	0.25	56	0.01
Meat transfer factor for Pb	12	-0.49	21	-0.26	30	-0.47	30	-0.02
Milk transfer factor for Pb	86	0.02	87	0.01	57	0.21	57	0.01
Fish transfer factor for Pb	63	0.12	70	0.05	74	-0.09	73	0.00
Plant transfer factor for Np	64	-0.12	54	-0.09	80	-0.06	80	0.00
Meat transfer factor for Np	69	0.10	71	0.05	45	-0.31	45	-0.01
Milk transfer factor for Np	51	-0.18	56	-0.09	64	0.15	64	0.00
Fish transfer factor for Np	32	0.27	27	0.20	43	0.34	43	0.01
Plant transfer factor for Pu	89	0.01	89	0.01	13	-0.60	12	-0.02
Meat transfer factor for Pu	44	0.22	53	0.09	72	0.10	72	0.00
Milk transfer factor for Pu	62	-0.13	67	-0.06	19	-0.55	18	-0.02
Fish transfer factor for Pu	18	-0.36	25	-0.21	85	-0.04	84	0.00
Plant transfer factor for Pa	15	0.41	14	0.32	34	0.44	34	0.01
Meat transfer factor for Pa	76	-0.06	78	-0.03	61	0.18	61	0.01
Milk transfer factor for Pa	43	-0.22	51	-0.09	54	-0.25	54	-0.01
Fish transfer factor for Pa	50	0.18	48	0.10	73	-0.09	74	0.00
Plant transfer factor for Ra	38	0.26	47	0.10	16	0.56	16	0.02
Meat transfer factor for Ra	21	0.34	26	0.21	18	0.55	17	0.02
Milk transfer factor for Ra	37	0.26	44	0.12	50	0.28	50	0.01
Fish transfer factor for Ra	23	0.31	35	0.14	69	0.11	69	0.00
Plant transfer factor for Tc	24	-0.31	23	-0.24	35	-0.44	36	-0.01
Meat transfer factor for Tc	42	0.22	46	0.11	6	-0.68	6	-0.03
Milk transfer factor for Tc	45	-0.21	57	-0.08	81	0.06	81	0.00
Fish transfer factor for Tc	61	0.14	49	0.10	40	0.41	39	0.01
Plant transfer factor for Th	55	0.16	50	0.09	26	0.50	26	0.02
Meat transfer factor for Th	85	0.02	86	0.01	86	-0.03	86	0.00
Milk transfer factor for Th	54	-0.16	52	-0.09	28	0.48	28	0.02
Fish transfer factor for Th	73	0.07	74	0.04	27	-0.50	27	-0.02
Plant transfer factor for U	84	0.03	83	0.02	49	-0.28	49	-0.01
Meat transfer factor for U	81	0.04	85	0.01	53	-0.27	52	-0.01
Milk transfer factor for U	56	0.16	66	0.06	22	0.53	22	0.02
Fish transfer factor for U	88	0.02	88	0.01	20	0.54	20	0.02
Well pumping rate	65	-0.12	64	-0.06	24	0.52	24	0.02
Mass loading for inhalation	4	0.67	16	0.31	4	0.79	4	0.04
Indoor dust filtration factor	59	-0.14	61	-0.07	33	0.45	33	0.01
Depth of soil mixing layer	29	0.29	40	0.13	44	0.32	44	0.01
Depth of roots	79	0.04	79	0.03	58	-0.21	58	-0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	82	-0.04	82	-0.02	88	0.01	88	0.00
Weathering removal constant of all vegetation	25	-0.30	32	-0.17	89	0.01	89	0.00
Wet foliar interception fraction of leafy vegetables	31	-0.27	41	-0.13	67	-0.13	66	0.00

R-SQUARE 0.94 0.94 1.00 1.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Am-241 Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	10	0.51	29	0.07	27	0.29	26	0.02
Kd of Ac-227 in Unsaturated Zone 1	78	0.07	78	0.01	53	-0.17	54	-0.01
Kd of Ac-227 in Saturated Zone	36	0.32	33	0.07	44	-0.20	44	-0.01
Kd of Am-241 in Contaminated Zone	83	-0.03	83	-0.01	29	-0.27	29	-0.02
Kd of Am-241 in Unsaturated Zone 1	55	-0.20	2	-2.35	18	-0.33	18	-0.03
Kd of Am-241 in Saturated Zone	5	-0.60	17	-0.10	55	-0.16	56	-0.01
Kd of Np-237 in Contaminated Zone	28	-0.37	44	-0.05	36	0.23	37	0.02
Kd of Np-237 in Unsaturated Zone 1	68	-0.13	64	-0.03	46	0.19	47	0.01
Kd of Np-237 in Saturated Zone	81	0.03	80	0.01	39	0.22	39	0.02
Kd of Pa-231 in Contaminated Zone	63	-0.16	69	-0.02	41	0.21	41	0.02
Kd of Pa-231 in Unsaturated Zone 1	47	-0.25	34	-0.07	79	0.04	79	0.00
Kd of Pa-231 in Saturated Zone	30	-0.36	18	-0.10	9	-0.44	9	-0.03
Kd of Pb-210 in Contaminated Zone	16	0.45	24	0.08	10	0.43	12	0.03
Kd of Pb-210 in Unsaturated Zone 1	4	-0.67	4	-0.30	7	-0.47	7	-0.04
Kd of Pb-210 in Saturated Zone	44	0.26	45	0.05	24	0.30	24	0.02
Kd of Pu-239 in Contaminated Zone	8	-0.55	10	-0.15	61	0.14	61	0.01
Kd of Pu-239 in Unsaturated Zone 1	64	-0.16	70	-0.02	16	0.35	16	0.03
Kd of Pu-239 in Saturated Zone	88	0.01	88	0.00	21	0.33	21	0.02
Kd of Ra-226 in Contaminated Zone	25	-0.40	30	-0.07	62	-0.14	62	-0.01
Kd of Ra-226 in Unsaturated Zone 1	17	-0.45	19	-0.09	77	0.05	77	0.00
Kd of Ra-226 in Saturated Zone	37	0.32	38	0.07	30	0.26	31	0.02
Kd of Ra-228 in Contaminated Zone	35	0.32	40	0.06	87	-0.03	87	0.00
Kd of Ra-228 in Unsaturated Zone 1	62	-0.16	50	-0.05	63	-0.13	63	-0.01
Kd of Ra-228 in Saturated Zone	23	0.41	28	0.08	52	0.17	52	0.01
Kd of Tc-99 in Saturated Zone	74	-0.10	75	-0.01	78	0.05	78	0.00
Kd of Th-228 in Contaminated Zone	77	-0.07	79	-0.01	5	0.48	5	0.04
Kd of Th-228 in Unsaturated Zone 1	19	-0.44	8	-0.18	20	-0.33	19	-0.02
Kd of Th-228 in Saturated Zone	45	0.26	56	0.04	47	0.19	46	0.01
Kd of Th-229 in Contaminated Zone	39	-0.31	49	-0.05	13	-0.40	14	-0.03
Kd of Th-229 in Unsaturated Zone 1	56	0.19	63	0.03	74	-0.05	73	0.00
Kd of Th-229 in Saturated Zone	85	0.02	84	0.00	71	-0.07	71	0.00
Kd of Th-230 in Contaminated Zone	54	0.20	59	0.04	73	0.05	75	0.00
Kd of Th-230 in Unsaturated Zone 1	33	0.34	47	0.05	50	-0.18	49	-0.01
Kd of Th-230 in Saturated Zone	53	0.20	36	0.07	19	0.33	20	0.02
Kd of Th-232 in Contaminated Zone	12	0.50	13	0.14	58	-0.15	60	-0.01
Kd of Th-232 in Unsaturated Zone 1	51	0.21	1	2.46	38	-0.22	38	-0.02
Kd of Th-232 in Saturated Zone	84	0.02	87	0.00	59	-0.15	59	-0.01
Kd of U-233 in Saturated Zone	21	-0.43	21	-0.09	26	-0.29	27	-0.02
Kd of U-234 in Saturated Zone	73	-0.11	66	-0.03	83	-0.03	83	0.00
Kd of U-235 in Saturated Zone	67	-0.15	53	-0.05	48	0.18	48	0.01
Kd of U-238 in Saturated Zone	70	-0.13	55	-0.04	23	-0.30	23	-0.02
Plant transfer factor for Ac	46	-0.26	31	-0.07	80	0.04	81	0.00
Meat transfer factor for Ac	48	-0.25	52	-0.05	68	-0.10	68	-0.01
Milk transfer factor for Ac	61	-0.16	68	-0.03	57	-0.15	57	-0.01
Fish transfer factor for Ac	15	0.47	11	0.14	81	0.04	80	0.00
Plant transfer factor for Am	1	0.98	3	0.92	1	1.00	1	0.98
Meat transfer factor for Am	3	0.73	5	0.26	2	0.68	2	0.07
Milk transfer factor for Am	75	0.10	67	0.03	42	-0.21	42	-0.02
Fish transfer factor for Am	31	0.35	37	0.07	33	0.24	33	0.02
Plant transfer factor for Pb	9	-0.55	7	-0.21	70	-0.08	70	-0.01
Meat transfer factor for Pb	7	0.55	14	0.13	4	0.55	4	0.05
Milk transfer factor for Pb	76	0.07	77	0.01	56	0.16	55	0.01
Fish transfer factor for Pb	26	-0.40	46	-0.05	75	-0.05	74	0.00
Plant transfer factor for Np	71	-0.11	74	-0.02	84	-0.03	84	0.00
Meat transfer factor for Np	2	0.85	6	0.25	6	0.48	6	0.04
Milk transfer factor for Np	59	-0.17	51	-0.05	64	-0.13	64	-0.01
Fish transfer factor for Np	89	0.00	89	0.00	11	0.43	10	0.03
Plant transfer factor for Pu	66	-0.16	65	-0.03	34	0.23	35	0.02
Meat transfer factor for Pu	14	0.47	25	0.08	8	0.44	8	0.04
Milk transfer factor for Pu	50	0.24	57	0.04	89	0.01	89	0.00
Fish transfer factor for Pu	22	-0.42	43	-0.06	86	-0.03	86	0.00
Plant transfer factor for Pa	13	0.48	20	0.09	88	0.01	88	0.00
Meat transfer factor for Pa	20	0.44	15	0.13	12	0.42	11	0.03
Milk transfer factor for Pa	11	0.50	9	0.15	28	-0.28	28	-0.02
Fish transfer factor for Pa	49	0.24	58	0.04	43	0.20	43	0.01
Plant transfer factor for Ra	38	0.32	22	0.09	17	-0.35	17	-0.03
Meat transfer factor for Ra	65	0.16	62	0.03	40	0.22	40	0.02
Milk transfer factor for Ra	86	0.02	86	0.00	82	0.04	82	0.00
Fish transfer factor for Ra	80	-0.05	82	-0.01	67	-0.11	67	-0.01
Plant transfer factor for Tc	58	-0.18	60	-0.03	37	-0.22	36	-0.02
Meat transfer factor for Tc	79	-0.07	76	-0.01	25	-0.29	25	-0.02
Milk transfer factor for Tc	69	0.13	73	0.02	54	-0.17	53	-0.01
Fish transfer factor for Tc	18	0.45	16	0.12	76	0.05	76	0.00
Plant transfer factor for Th	87	-0.02	85	0.00	69	0.10	69	0.01
Meat transfer factor for Th	60	-0.17	41	-0.06	72	-0.07	72	0.00
Milk transfer factor for Th	24	0.40	23	0.08	35	0.23	34	0.02
Fish transfer factor for Th	40	0.31	54	0.04	60	0.15	58	0.01
Plant transfer factor for U	29	0.36	39	0.07	85	-0.03	85	0.00
Meat transfer factor for U	72	0.11	72	0.02	14	0.40	13	0.03
Milk transfer factor for U	6	0.56	12	0.14	3	0.56	3	0.05
Fish transfer factor for U	32	-0.35	26	-0.08	65	-0.12	65	-0.01
Well pumping rate	52	0.20	61	0.03	45	0.20	45	0.01
Mass loading for inhalation	34	-0.33	27	-0.08	32	-0.25	32	-0.02
Indoor dust filtration factor	82	-0.03	81	-0.01	49	0.18	50	0.01
Depth of soil mixing layer	41	-0.31	42	-0.06	51	0.18	51	0.01
Depth of roots	27	0.38	35	0.07	66	-0.11	66	-0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	43	0.27	48	0.05	31	-0.26	30	-0.02
Weathering removal constant of all vegetation	42	0.28	32	0.07	22	-0.31	22	-0.02
Wet foliar interception fraction of leafy vegetables	57	-0.19	71	-0.02	15	-0.37	15	-0.03

R-SQUARE 0.99 0.99 1.00 1.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Np-237 Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	58	0.19	64	0.05	80	0.07	80	0.01
Kd of Ac-227 in Unsaturated Zone 1	40	0.29	46	0.08	85	-0.03	85	-0.01
Kd of Ac-227 in Saturated Zone	1	0.88	1	0.68	41	-0.25	41	-0.06
Kd of Am-241 in Contaminated Zone	11	-0.49	17	-0.21	81	-0.06	81	-0.01
Kd of Am-241 in Unsaturated Zone 1	24	0.37	5	0.29	66	-0.15	66	-0.03
Kd of Am-241 in Saturated Zone	70	0.10	28	0.13	27	0.29	27	0.07
Kd of Np-237 in Contaminated Zone	89	0.00	89	0.00	2	-0.84	2	-0.36
Kd of Np-237 in Unsaturated Zone 1	9	-0.52	4	-0.32	1	-0.93	1	-0.57
Kd of Np-237 in Saturated Zone	61	-0.18	63	-0.06	3	-0.76	3	-0.27
Kd of Pa-231 in Contaminated Zone	15	0.44	23	0.16	50	-0.21	50	-0.05
Kd of Pa-231 in Unsaturated Zone 1	56	-0.21	6	-0.28	8	0.52	8	0.14
Kd of Pa-231 in Saturated Zone	5	0.59	12	0.23	69	-0.12	69	-0.03
Kd of Pb-210 in Contaminated Zone	73	0.07	71	0.03	4	-0.65	4	-0.19
Kd of Pb-210 in Unsaturated Zone 1	18	0.41	9	0.27	53	-0.20	54	-0.05
Kd of Pb-210 in Saturated Zone	84	0.01	84	0.01	70	0.12	70	0.03
Kd of Pu-239 in Contaminated Zone	67	-0.11	62	-0.06	77	-0.08	77	-0.02
Kd of Pu-239 in Unsaturated Zone 1	2	0.80	2	0.54	37	0.26	35	0.06
Kd of Pu-239 in Saturated Zone	60	0.18	50	0.07	17	-0.43	17	-0.11
Kd of Ra-226 in Contaminated Zone	64	-0.12	56	-0.07	40	-0.26	40	-0.06
Kd of Ra-226 in Unsaturated Zone 1	28	0.35	25	0.16	31	-0.28	31	-0.07
Kd of Ra-226 in Saturated Zone	46	-0.25	38	-0.10	64	-0.16	63	-0.04
Kd of Ra-228 in Contaminated Zone	82	-0.02	79	-0.01	89	0.00	89	0.00
Kd of Ra-228 in Unsaturated Zone 1	52	0.23	59	0.06	73	0.09	73	0.02
Kd of Ra-228 in Saturated Zone	25	-0.37	21	-0.18	49	-0.21	49	-0.05
Kd of Tc-99 in Saturated Zone	3	-0.65	8	-0.27	24	0.34	24	0.08
Kd of Th-228 in Contaminated Zone	59	0.18	68	0.04	75	-0.08	75	-0.02
Kd of Th-228 in Unsaturated Zone 1	23	-0.37	7	-0.28	32	-0.27	32	-0.07
Kd of Th-228 in Saturated Zone	74	-0.06	69	-0.03	76	0.08	76	0.02
Kd of Th-229 in Contaminated Zone	69	-0.10	70	-0.03	84	-0.03	84	-0.01
Kd of Th-229 in Unsaturated Zone 1	54	-0.21	24	-0.16	5	0.56	5	0.15
Kd of Th-229 in Saturated Zone	32	0.34	40	0.09	43	0.24	43	0.06
Kd of Th-230 in Contaminated Zone	77	0.04	76	0.02	21	-0.37	21	-0.09
Kd of Th-230 in Unsaturated Zone 1	65	0.12	60	0.06	83	-0.05	83	-0.01
Kd of Th-230 in Saturated Zone	39	-0.30	36	-0.11	19	-0.42	19	-0.11
Kd of Th-232 in Contaminated Zone	55	0.21	51	0.07	65	0.15	65	0.03
Kd of Th-232 in Unsaturated Zone 1	57	0.20	41	0.09	44	0.23	44	0.06
Kd of Th-232 in Saturated Zone	7	0.58	13	0.23	51	0.20	51	0.05
Kd of U-233 in Saturated Zone	31	0.35	33	0.12	45	0.23	45	0.05
Kd of U-234 in Saturated Zone	19	0.40	3	0.41	13	0.47	13	0.12
Kd of U-235 in Saturated Zone	80	-0.03	77	-0.01	57	0.18	57	0.04
Kd of U-238 in Saturated Zone	75	0.06	73	0.02	48	0.21	48	0.05
Plant transfer factor for Ac	86	0.01	87	0.00	7	-0.55	7	-0.15
Meat transfer factor for Ac	63	-0.14	66	-0.04	68	0.12	68	0.03
Milk transfer factor for Ac	81	0.02	82	0.01	34	0.27	34	0.06
Fish transfer factor for Ac	50	0.24	42	0.09	74	0.09	74	0.02
Plant transfer factor for Am	37	0.30	45	0.09	62	-0.16	62	-0.04
Meat transfer factor for Am	13	0.46	11	0.24	14	0.46	14	0.12
Milk transfer factor for Am	20	0.39	26	0.15	82	0.06	82	0.01
Fish transfer factor for Am	87	-0.01	86	0.00	26	-0.29	26	-0.07
Plant transfer factor for Pb	66	-0.11	65	-0.05	16	0.45	16	0.12
Meat transfer factor for Pb	49	-0.25	57	-0.06	29	-0.28	29	-0.07
Milk transfer factor for Pb	29	-0.35	29	-0.13	35	0.27	38	0.06
Fish transfer factor for Pb	43	-0.27	48	-0.08	10	-0.51	10	-0.14
Plant transfer factor for Np	34	0.33	35	0.11	6	0.55	6	0.15
Meat transfer factor for Np	53	0.22	61	0.06	86	-0.02	86	0.00
Milk transfer factor for Np	10	0.52	22	0.17	61	-0.16	61	-0.04
Fish transfer factor for Np	17	0.41	10	0.26	11	0.51	11	0.13
Plant transfer factor for Pu	71	0.08	74	0.02	23	-0.35	23	-0.09
Meat transfer factor for Pu	42	0.27	54	0.07	36	-0.26	37	-0.06
Milk transfer factor for Pu	88	0.00	88	0.00	46	-0.22	46	-0.05
Fish transfer factor for Pu	22	-0.38	39	-0.10	78	-0.08	78	-0.02
Plant transfer factor for Pa	85	-0.01	85	0.00	87	0.01	87	0.00
Meat transfer factor for Pa	72	-0.07	75	-0.02	79	0.07	79	0.01
Milk transfer factor for Pa	14	-0.45	27	-0.15	47	-0.22	47	-0.05
Fish transfer factor for Pa	27	-0.36	20	-0.19	22	-0.36	22	-0.09
Plant transfer factor for Ra	8	-0.54	18	-0.20	38	-0.26	36	-0.06
Meat transfer factor for Ra	79	0.03	78	0.01	67	-0.14	67	-0.03
Milk transfer factor for Ra	26	-0.36	31	-0.12	9	0.52	9	0.14
Fish transfer factor for Ra	21	0.39	14	0.22	39	-0.26	39	-0.06
Plant transfer factor for Tc	44	-0.25	47	-0.08	88	-0.01	88	0.00
Meat transfer factor for Tc	33	0.34	32	0.12	60	0.17	60	0.04
Milk transfer factor for Tc	30	-0.35	37	-0.11	18	-0.43	18	-0.11
Fish transfer factor for Tc	16	-0.42	30	-0.13	30	-0.28	30	-0.07
Plant transfer factor for Th	6	-0.59	16	-0.21	25	-0.33	25	-0.08
Meat transfer factor for Th	38	-0.30	34	-0.11	58	-0.18	59	-0.04
Milk transfer factor for Th	35	0.32	43	0.09	42	0.24	42	0.06
Fish transfer factor for Th	41	-0.28	44	-0.09	72	-0.10	72	-0.02
Plant transfer factor for U	68	0.11	72	0.03	56	-0.18	56	-0.04
Meat transfer factor for U	4	0.63	15	0.22	71	-0.11	71	-0.02
Milk transfer factor for U	51	-0.23	55	-0.07	52	0.20	52	0.05
Fish transfer factor for U	78	0.04	81	0.01	33	-0.27	33	-0.06
Well pumping rate	47	0.25	52	0.07	54	0.20	53	0.05
Mass loading for inhalation	48	-0.25	58	-0.06	59	0.18	58	0.04
Indoor dust filtration factor	45	0.25	53	0.07	12	0.49	12	0.13
Depth of soil mixing layer	76	0.05	80	0.01	63	0.16	64	0.04
Depth of roots	36	-0.31	49	-0.08	20	-0.40	20	-0.10
Wet weight crop yield of fruit, grain and non-leafy vegetables	62	-0.14	67	-0.04	55	0.19	55	0.05
Weathering removal constant of all vegetation	12	0.49	19	0.19	28	0.29	28	0.07
Wet foliar interception fraction of leafy vegetables	83	-0.01	83	-0.01	15	-0.46	15	-0.12

R-SQUARE 0.98 0.98 0.95 0.95

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Np-237 Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	48	-0.21	35	-0.16	7	0.53	7	0.13
Kd of Ac-227 in Unsaturated Zone 1	61	-0.14	50	-0.09	65	0.11	65	0.02
Kd of Ac-227 in Saturated Zone	15	-0.52	33	-0.18	88	0.00	88	0.00
Kd of Am-241 in Contaminated Zone	88	0.00	88	0.00	39	-0.24	39	-0.05
Kd of Am-241 in Unsaturated Zone 1	25	0.46	1	1.06	27	-0.35	27	-0.08
Kd of Am-241 in Saturated Zone	33	-0.38	20	-0.29	89	0.00	89	0.00
Kd of Np-237 in Contaminated Zone	5	-0.66	8	-0.51	2	-0.84	2	-0.34
Kd of Np-237 in Unsaturated Zone 1	54	-0.17	61	-0.07	1	-0.92	1	-0.52
Kd of Np-237 in Saturated Zone	22	-0.47	12	-0.44	4	-0.81	4	-0.30
Kd of Pa-231 in Contaminated Zone	84	-0.02	85	-0.01	68	-0.09	68	-0.02
Kd of Pa-231 in Unsaturated Zone 1	81	0.03	83	0.02	72	0.08	72	0.02
Kd of Pa-231 in Saturated Zone	1	0.77	7	0.54	42	0.23	42	0.05
Kd of Pb-210 in Contaminated Zone	14	0.54	4	0.88	58	0.15	58	0.03
Kd of Pb-210 in Unsaturated Zone 1	7	-0.59	11	-0.44	87	0.02	87	0.00
Kd of Pb-210 in Saturated Zone	39	-0.28	43	-0.13	28	-0.33	28	-0.08
Kd of Pu-239 in Contaminated Zone	23	-0.47	25	-0.24	9	-0.51	9	-0.13
Kd of Pu-239 in Unsaturated Zone 1	68	0.08	64	0.05	31	-0.30	32	-0.07
Kd of Pu-239 in Saturated Zone	80	0.04	66	0.04	29	0.30	30	0.07
Kd of Ra-226 in Contaminated Zone	18	0.51	22	0.25	70	-0.08	70	-0.02
Kd of Ra-226 in Unsaturated Zone 1	4	0.67	9	0.50	37	-0.26	37	-0.06
Kd of Ra-226 in Saturated Zone	13	0.55	3	0.99	13	0.44	13	0.11
Kd of Ra-228 in Contaminated Zone	24	-0.47	2	-1.05	73	0.07	73	0.02
Kd of Ra-228 in Unsaturated Zone 1	9	0.58	18	0.33	84	-0.03	84	-0.01
Kd of Ra-228 in Saturated Zone	17	0.51	15	0.38	36	-0.26	36	-0.06
Kd of Tc-99 in Saturated Zone	67	0.08	62	0.07	55	0.16	56	0.04
Kd of Th-228 in Contaminated Zone	31	0.42	30	0.20	45	0.20	45	0.05
Kd of Th-228 in Unsaturated Zone 1	21	-0.48	21	-0.28	66	0.11	66	0.02
Kd of Th-228 in Saturated Zone	77	0.05	79	0.02	17	0.40	17	0.10
Kd of Th-229 in Contaminated Zone	62	0.13	60	0.07	46	-0.20	47	-0.04
Kd of Th-229 in Unsaturated Zone 1	87	-0.02	87	-0.01	54	0.16	55	0.04
Kd of Th-229 in Saturated Zone	32	-0.42	6	-0.71	56	0.16	54	0.04
Kd of Th-230 in Contaminated Zone	52	0.17	40	0.14	35	0.27	35	0.06
Kd of Th-230 in Unsaturated Zone 1	26	-0.45	14	-0.41	76	-0.05	76	-0.01
Kd of Th-230 in Saturated Zone	16	-0.51	5	-0.84	50	-0.18	50	-0.04
Kd of Th-232 in Contaminated Zone	72	0.07	72	0.03	48	0.19	48	0.04
Kd of Th-232 in Unsaturated Zone 1	47	-0.21	58	-0.07	83	0.04	83	0.01
Kd of Th-232 in Saturated Zone	45	-0.23	41	-0.13	18	0.39	18	0.09
Kd of U-233 in Saturated Zone	40	0.25	38	0.15	85	-0.02	85	-0.01
Kd of U-234 in Saturated Zone	38	-0.28	34	-0.18	23	-0.36	22	-0.09
Kd of U-235 in Saturated Zone	50	-0.20	47	-0.10	16	-0.41	16	-0.10
Kd of U-238 in Saturated Zone	85	0.02	76	0.03	15	-0.43	15	-0.10
Plant transfer factor for Ac	41	0.25	45	0.11	71	-0.08	71	-0.02
Meat transfer factor for Ac	30	-0.42	26	-0.24	82	0.04	82	0.01
Milk transfer factor for Ac	46	-0.22	48	-0.10	79	-0.04	79	-0.01
Fish transfer factor for Ac	64	-0.11	63	-0.06	60	-0.14	60	-0.03
Plant transfer factor for Am	70	0.07	75	0.03	25	0.35	24	0.08
Meat transfer factor for Am	49	0.21	46	0.10	30	-0.30	29	-0.07
Milk transfer factor for Am	28	-0.44	31	-0.20	75	-0.06	75	-0.01
Fish transfer factor for Am	27	0.44	23	0.24	61	0.14	61	0.03
Plant transfer factor for Pb	78	0.05	74	0.03	80	0.04	80	0.01
Meat transfer factor for Pb	6	0.66	17	0.34	11	-0.46	11	-0.11
Milk transfer factor for Pb	20	-0.50	24	-0.24	33	-0.27	33	-0.06
Fish transfer factor for Pb	66	0.10	70	0.04	10	-0.48	10	-0.12
Plant transfer factor for Np	10	0.57	10	0.48	3	0.81	3	0.31
Meat transfer factor for Np	34	-0.34	36	-0.15	57	0.16	57	0.03
Milk transfer factor for Np	86	0.02	86	0.01	53	-0.17	53	-0.04
Fish transfer factor for Np	76	0.06	71	0.03	8	0.52	8	0.13
Plant transfer factor for Pu	44	0.23	44	0.12	5	-0.64	5	-0.18
Meat transfer factor for Pu	43	-0.24	51	-0.09	38	-0.25	38	-0.06
Milk transfer factor for Pu	42	0.25	49	0.09	74	-0.07	74	-0.01
Fish transfer factor for Pu	53	-0.17	55	-0.08	26	0.35	26	0.08
Plant transfer factor for Pa	37	-0.29	32	-0.19	47	-0.19	46	-0.04
Meat transfer factor for Pa	51	0.20	57	0.08	20	0.37	20	0.09
Milk transfer factor for Pa	35	-0.33	42	-0.13	14	-0.44	14	-0.11
Fish transfer factor for Pa	83	0.03	84	0.01	77	0.05	77	0.01
Plant transfer factor for Ra	11	-0.55	28	-0.22	44	-0.22	44	-0.05
Meat transfer factor for Ra	82	-0.03	82	-0.02	40	0.24	40	0.05
Milk transfer factor for Ra	73	-0.06	78	-0.02	24	-0.36	25	-0.08
Fish transfer factor for Ra	2	0.70	16	0.37	52	0.17	52	0.04
Plant transfer factor for Tc	74	-0.06	69	-0.04	21	-0.37	21	-0.09
Meat transfer factor for Tc	89	0.00	89	0.00	41	0.23	41	0.05
Milk transfer factor for Tc	75	0.06	81	0.02	6	-0.55	6	-0.14
Fish transfer factor for Tc	59	0.15	52	0.09	32	-0.29	31	-0.07
Plant transfer factor for Th	79	0.04	80	0.02	49	0.19	49	0.04
Meat transfer factor for Th	65	-0.10	67	-0.04	64	-0.11	64	-0.02
Milk transfer factor for Th	55	0.16	54	0.08	67	0.10	67	0.02
Fish transfer factor for Th	3	-0.70	13	-0.42	22	-0.36	23	-0.09
Plant transfer factor for U	8	-0.58	19	-0.31	62	0.13	62	0.03
Meat transfer factor for U	57	0.15	65	0.05	59	-0.15	59	-0.03
Milk transfer factor for U	12	-0.55	29	-0.21	12	0.45	12	0.11
Fish transfer factor for U	60	0.14	56	0.08	43	0.22	43	0.05
Well pumping rate	36	0.31	37	0.15	86	-0.02	86	0.00
Mass loading for inhalation	29	-0.43	39	-0.14	51	-0.17	51	-0.04
Indoor dust filtration factor	69	0.07	73	0.03	19	0.38	19	0.09
Depth of soil mixing layer	63	0.11	68	0.04	34	0.27	34	0.06
Depth of roots	56	0.16	53	0.08	78	0.05	78	0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	71	0.07	77	0.03	63	0.11	63	0.03
Weathering removal constant of all vegetation	58	-0.15	59	-0.07	69	0.09	69	0.02
Wet foliar interception fraction of leafy vegetables	19	-0.51	27	-0.24	81	0.04	81	0.01

R-SQUARE 0.96 0.96 0.96 0.96

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.



Coefficients for peak Np-237 Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	65	-0.07	77	-0.02	74	0.08	74	0.01
Kd of Ac-227 in Unsaturated Zone 1	74	0.05	74	0.02	63	-0.11	63	-0.02
Kd of Ac-227 in Saturated Zone	54	-0.12	48	-0.07	60	-0.12	60	-0.02
Kd of Am-241 in Contaminated Zone	22	-0.30	26	-0.14	64	-0.11	64	-0.02
Kd of Am-241 in Unsaturated Zone 1	16	0.35	1	11.04	53	0.17	51	0.03
Kd of Am-241 in Saturated Zone	35	0.19	47	0.07	85	-0.02	85	0.00
Kd of Np-237 in Contaminated Zone	34	-0.19	49	-0.07	2	-0.94	2	-0.50
Kd of Np-237 in Unsaturated Zone 1	43	-0.15	41	-0.09	1	-0.95	1	-0.56
Kd of Np-237 in Saturated Zone	37	0.18	36	0.10	3	-0.85	3	-0.31
Kd of Pa-231 in Contaminated Zone	77	0.04	79	0.02	68	0.11	69	0.02
Kd of Pa-231 in Unsaturated Zone 1	19	-0.34	8	-0.24	25	-0.36	25	-0.07
Kd of Pa-231 in Saturated Zone	41	-0.15	35	-0.10	7	0.55	7	0.13
Kd of Pb-210 in Contaminated Zone	26	-0.25	30	-0.10	46	0.20	46	0.04
Kd of Pb-210 in Unsaturated Zone 1	89	0.00	89	0.00	16	0.44	16	0.09
Kd of Pb-210 in Saturated Zone	67	-0.06	66	-0.03	52	0.17	53	0.03
Kd of Pu-239 in Contaminated Zone	42	-0.15	40	-0.09	61	-0.12	61	-0.02
Kd of Pu-239 in Unsaturated Zone 1	48	-0.13	54	-0.05	50	-0.18	50	-0.03
Kd of Pu-239 in Saturated Zone	53	-0.12	52	-0.06	81	-0.03	81	-0.01
Kd of Ra-226 in Contaminated Zone	21	-0.32	24	-0.15	17	-0.42	17	-0.09
Kd of Ra-226 in Unsaturated Zone 1	8	0.41	11	0.21	24	-0.37	24	-0.08
Kd of Ra-226 in Saturated Zone	14	-0.36	14	-0.19	30	0.33	30	0.07
Kd of Ra-228 in Contaminated Zone	29	0.21	34	0.10	87	0.00	87	0.00
Kd of Ra-228 in Unsaturated Zone 1	11	0.37	6	0.32	54	0.15	54	0.03
Kd of Ra-228 in Saturated Zone	28	-0.23	32	-0.10	8	0.52	8	0.11
Kd of Tc-99 in Saturated Zone	69	-0.06	76	-0.02	40	0.25	40	0.05
Kd of Th-228 in Contaminated Zone	12	-0.37	21	-0.17	21	-0.39	20	-0.08
Kd of Th-228 in Unsaturated Zone 1	81	-0.03	73	-0.03	62	0.12	62	0.02
Kd of Th-228 in Saturated Zone	33	-0.19	42	-0.08	88	0.00	88	0.00
Kd of Th-229 in Contaminated Zone	79	-0.03	82	-0.01	76	-0.07	76	-0.01
Kd of Th-229 in Unsaturated Zone 1	83	0.03	84	0.01	56	0.15	56	0.03
Kd of Th-229 in Saturated Zone	61	0.09	56	0.05	55	-0.15	55	-0.03
Kd of Th-230 in Contaminated Zone	75	-0.05	75	-0.02	31	-0.33	31	-0.06
Kd of Th-230 in Unsaturated Zone 1	50	-0.13	57	-0.05	5	-0.59	5	-0.14
Kd of Th-230 in Saturated Zone	40	0.17	25	0.14	49	-0.18	49	-0.03
Kd of Th-232 in Contaminated Zone	38	-0.17	29	-0.11	12	0.47	12	0.10
Kd of Th-232 in Unsaturated Zone 1	20	-0.34	2	*****	14	0.45	13	0.10
Kd of Th-232 in Saturated Zone	36	0.18	50	0.06	29	-0.34	29	-0.07
Kd of U-233 in Saturated Zone	82	-0.03	83	-0.01	28	0.34	28	0.07
Kd of U-234 in Saturated Zone	31	-0.21	27	-0.13	18	0.41	18	0.09
Kd of U-235 in Saturated Zone	3	0.51	4	0.49	6	0.56	6	0.13
Kd of U-238 in Saturated Zone	27	-0.24	10	-0.22	45	-0.20	45	-0.04
Plant transfer factor for Ac	85	0.02	78	0.02	67	-0.11	67	-0.02
Meat transfer factor for Ac	70	0.06	69	0.03	19	-0.41	19	-0.08
Milk transfer factor for Ac	64	-0.07	70	-0.03	66	-0.11	66	-0.02
Fish transfer factor for Ac	87	0.01	87	0.01	84	0.02	84	0.00
Plant transfer factor for Am	4	-0.47	9	-0.22	13	0.46	14	0.10
Meat transfer factor for Am	71	-0.06	63	-0.04	42	0.22	42	0.04
Milk transfer factor for Am	25	0.26	20	0.17	58	-0.14	58	-0.03
Fish transfer factor for Am	13	-0.36	18	-0.18	9	-0.51	9	-0.11
Plant transfer factor for Pb	88	0.00	88	0.00	36	0.28	37	0.05
Meat transfer factor for Pb	32	0.20	31	0.10	34	-0.30	34	-0.06
Milk transfer factor for Pb	30	0.21	33	0.10	80	-0.03	80	-0.01
Fish transfer factor for Pb	1	0.94	3	0.83	43	0.20	43	0.04
Plant transfer factor for Np	66	0.06	72	0.03	4	0.62	4	0.15
Meat transfer factor for Np	84	0.03	85	0.01	47	-0.19	47	-0.04
Milk transfer factor for Np	78	-0.04	68	-0.03	26	-0.36	26	-0.07
Fish transfer factor for Np	55	-0.12	39	-0.09	11	0.47	11	0.10
Plant transfer factor for Pu	24	0.26	28	0.12	51	0.17	52	0.03
Meat transfer factor for Pu	60	0.09	65	0.03	69	0.10	70	0.02
Milk transfer factor for Pu	62	-0.08	60	-0.04	72	0.09	72	0.02
Fish transfer factor for Pu	6	-0.45	22	-0.16	33	0.31	33	0.06
Plant transfer factor for Pa	63	-0.07	67	-0.03	44	-0.20	44	-0.04
Meat transfer factor for Pa	46	-0.14	37	-0.10	39	-0.27	39	-0.05
Milk transfer factor for Pa	23	-0.28	12	-0.20	41	0.23	41	0.05
Fish transfer factor for Pa	58	-0.10	61	-0.04	78	-0.07	78	-0.01
Plant transfer factor for Ra	56	0.10	46	0.07	27	0.34	27	0.07
Meat transfer factor for Ra	45	0.15	43	0.08	73	0.08	73	0.02
Milk transfer factor for Ra	52	-0.12	53	-0.05	86	-0.01	86	0.00
Fish transfer factor for Ra	44	-0.15	58	-0.05	15	-0.44	15	-0.09
Plant transfer factor for Tc	73	-0.06	71	-0.03	37	0.28	36	0.06
Meat transfer factor for Tc	7	0.44	7	0.26	82	-0.02	83	0.00
Milk transfer factor for Tc	57	-0.10	59	-0.04	23	0.37	23	0.08
Fish transfer factor for Tc	72	0.06	64	0.03	22	0.38	22	0.08
Plant transfer factor for Th	9	-0.38	16	-0.18	59	-0.12	59	-0.02
Meat transfer factor for Th	5	-0.45	5	-0.45	48	-0.18	48	-0.04
Milk transfer factor for Th	18	0.34	19	0.17	10	0.49	10	0.11
Fish transfer factor for Th	76	0.04	80	0.02	70	-0.10	68	-0.02
Plant transfer factor for U	47	0.14	51	0.06	65	-0.11	65	-0.02
Meat transfer factor for U	39	-0.17	38	-0.09	57	0.15	57	0.03
Milk transfer factor for U	59	-0.10	55	-0.05	83	-0.02	82	0.00
Fish transfer factor for U	49	-0.13	45	-0.07	71	-0.09	71	-0.02
Well pumping rate	86	0.02	86	0.01	77	-0.07	77	-0.01
Mass loading for inhalation	51	-0.13	44	-0.07	38	-0.27	38	-0.05
Indoor dust filtration factor	80	0.03	81	0.01	79	0.04	79	0.01
Depth of soil mixing layer	10	0.38	15	0.19	35	0.30	35	0.06
Depth of roots	17	-0.35	23	-0.16	89	0.00	89	0.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	0.36	17	0.18	75	0.08	75	0.01
Weathering removal constant of all vegetation	68	-0.06	62	-0.04	32	-0.32	32	-0.06
Wet foliar interception fraction of leafy vegetables	2	0.53	13	0.19	20	-0.39	21	-0.08

R-SQUARE 0.96 0.96 0.97 0.97

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Pu-239 Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	87	-0.01	87	0.00	3	0.63	3	0.06
Kd of Ac-227 in Unsaturated Zone 1	79	-0.04	81	-0.01	34	0.32	35	0.02
Kd of Ac-227 in Saturated Zone	27	0.29	24	0.10	81	0.04	81	0.00
Kd of Am-241 in Contaminated Zone	76	-0.05	76	-0.01	60	-0.16	62	-0.01
Kd of Am-241 in Unsaturated Zone 1	85	0.01	82	0.01	21	-0.40	21	-0.03
Kd of Am-241 in Saturated Zone	44	0.19	5	0.23	42	0.26	43	0.02
Kd of Np-237 in Contaminated Zone	9	-0.41	3	-0.29	58	0.18	58	0.01
Kd of Np-237 in Unsaturated Zone 1	72	-0.06	63	-0.03	79	0.05	79	0.00
Kd of Np-237 in Saturated Zone	84	-0.02	85	-0.01	51	-0.20	51	-0.01
Kd of Pa-231 in Contaminated Zone	70	0.08	69	0.02	36	0.31	36	0.02
Kd of Pa-231 in Unsaturated Zone 1	54	-0.13	13	-0.15	54	0.20	52	0.01
Kd of Pa-231 in Saturated Zone	41	-0.21	45	-0.06	75	0.07	75	0.00
Kd of Pb-210 in Contaminated Zone	35	0.26	28	0.09	48	0.22	48	0.02
Kd of Pb-210 in Unsaturated Zone 1	10	-0.41	6	-0.23	15	-0.46	15	-0.04
Kd of Pb-210 in Saturated Zone	23	-0.31	14	-0.14	8	0.54	8	0.05
Kd of Pu-239 in Contaminated Zone	60	-0.11	51	-0.05	12	-0.47	13	-0.04
Kd of Pu-239 in Unsaturated Zone 1	4	-0.48	9	-0.19	2	-0.84	2	-0.11
Kd of Pu-239 in Saturated Zone	66	0.08	64	0.03	40	-0.26	41	-0.02
Kd of Ra-226 in Contaminated Zone	50	-0.16	40	-0.07	50	0.21	50	0.01
Kd of Ra-226 in Unsaturated Zone 1	40	-0.23	35	-0.08	66	-0.14	65	-0.01
Kd of Ra-226 in Saturated Zone	26	-0.29	22	-0.10	74	-0.08	74	-0.01
Kd of Ra-228 in Contaminated Zone	7	0.45	2	0.30	22	-0.39	22	-0.03
Kd of Ra-228 in Unsaturated Zone 1	68	0.08	70	0.02	10	0.51	10	0.04
Kd of Ra-228 in Saturated Zone	83	0.02	80	0.01	27	0.37	28	0.03
Kd of Tc-99 in Saturated Zone	20	0.33	25	0.09	87	0.01	87	0.00
Kd of Th-228 in Contaminated Zone	78	-0.05	83	-0.01	82	-0.04	82	0.00
Kd of Th-228 in Unsaturated Zone 1	52	-0.14	36	-0.08	41	-0.26	40	-0.02
Kd of Th-228 in Saturated Zone	5	0.47	4	0.27	59	0.17	59	0.01
Kd of Th-229 in Contaminated Zone	88	0.00	88	0.00	25	0.38	25	0.03
Kd of Th-229 in Unsaturated Zone 1	64	-0.10	44	-0.06	57	0.18	57	0.01
Kd of Th-229 in Saturated Zone	28	0.28	41	0.06	55	0.19	55	0.01
Kd of Th-230 in Contaminated Zone	8	0.43	10	0.17	84	0.01	84	0.00
Kd of Th-230 in Unsaturated Zone 1	80	0.03	75	0.01	63	-0.16	63	-0.01
Kd of Th-230 in Saturated Zone	30	-0.27	33	-0.08	78	0.06	78	0.00
Kd of Th-232 in Contaminated Zone	29	0.27	37	0.08	47	-0.23	47	-0.02
Kd of Th-232 in Unsaturated Zone 1	86	0.01	86	0.00	71	-0.09	71	-0.01
Kd of Th-232 in Saturated Zone	77	-0.05	79	-0.01	20	-0.40	20	-0.03
Kd of U-233 in Saturated Zone	14	-0.37	20	-0.11	13	-0.46	12	-0.04
Kd of U-234 in Saturated Zone	38	0.24	7	0.19	65	-0.14	66	-0.01
Kd of U-235 in Saturated Zone	81	-0.03	73	-0.01	14	-0.46	14	-0.04
Kd of U-238 in Saturated Zone	21	0.32	19	0.12	86	-0.01	86	0.00
Plant transfer factor for Ac	3	-0.48	16	-0.14	64	-0.15	64	-0.01
Meat transfer factor for Ac	63	-0.10	66	-0.02	19	0.43	19	0.03
Milk transfer factor for Ac	42	-0.21	38	-0.08	38	-0.29	38	-0.02
Fish transfer factor for Ac	31	0.27	32	0.08	5	0.61	4	0.05
Plant transfer factor for Am	53	0.13	59	0.03	53	0.20	54	0.01
Meat transfer factor for Am	57	0.11	54	0.04	28	-0.37	27	-0.03
Milk transfer factor for Am	11	-0.40	18	-0.13	89	0.00	89	0.00
Fish transfer factor for Am	32	-0.26	26	-0.09	6	-0.59	6	-0.05
Plant transfer factor for Pb	34	0.26	23	0.10	76	-0.06	76	0.00
Meat transfer factor for Pb	37	0.25	47	0.05	62	0.16	60	0.01
Milk transfer factor for Pb	47	-0.16	50	-0.05	52	0.20	53	0.01
Fish transfer factor for Pb	19	0.34	27	0.09	11	0.48	11	0.04
Plant transfer factor for Np	73	0.06	72	0.02	85	-0.01	85	0.00
Meat transfer factor for Np	65	-0.09	68	-0.02	88	0.00	88	0.00
Milk transfer factor for Np	45	-0.18	53	-0.05	49	0.21	49	0.02
Fish transfer factor for Np	15	0.35	8	0.19	24	-0.38	26	-0.03
Plant transfer factor for Pu	1	0.97	1	0.94	1	1.00	1	0.96
Meat transfer factor for Pu	51	0.14	61	0.03	30	0.34	30	0.03
Milk transfer factor for Pu	46	-0.18	49	-0.05	67	-0.13	67	-0.01
Fish transfer factor for Pu	71	0.07	78	0.01	56	0.18	56	0.01
Plant transfer factor for Pa	61	0.10	58	0.03	7	-0.55	7	-0.05
Meat transfer factor for Pa	33	0.26	48	0.05	9	-0.53	9	-0.04
Milk transfer factor for Pa	74	0.06	74	0.01	83	-0.03	83	0.00
Fish transfer factor for Pa	16	0.35	11	0.16	33	-0.32	33	-0.02
Plant transfer factor for Ra	22	0.31	30	0.09	80	-0.05	80	0.00
Meat transfer factor for Ra	59	-0.11	56	-0.04	39	0.29	39	0.02
Milk transfer factor for Ra	13	0.37	21	0.11	70	0.11	70	0.01
Fish transfer factor for Ra	67	0.08	57	0.04	45	-0.25	45	-0.02
Plant transfer factor for Tc	24	0.30	31	0.08	44	-0.25	44	-0.02
Meat transfer factor for Tc	49	0.16	52	0.05	68	0.13	68	0.01
Milk transfer factor for Tc	36	0.25	42	0.06	18	-0.43	17	-0.03
Fish transfer factor for Tc	56	0.12	65	0.03	16	-0.45	16	-0.04
Plant transfer factor for Th	58	0.11	62	0.03	46	0.24	46	0.02
Meat transfer factor for Th	43	-0.20	43	-0.06	72	0.08	72	0.01
Milk transfer factor for Th	62	0.10	67	0.02	29	0.34	29	0.03
Fish transfer factor for Th	6	0.46	17	0.13	35	0.31	34	0.02
Plant transfer factor for U	2	0.56	15	0.14	73	-0.08	73	-0.01
Meat transfer factor for U	82	-0.03	84	-0.01	43	-0.26	42	-0.02
Milk transfer factor for U	48	-0.16	55	-0.04	37	0.30	37	0.02
Fish transfer factor for U	18	0.34	34	0.08	17	0.43	18	0.03
Well pumping rate	55	-0.13	60	-0.03	77	-0.06	77	0.00
Mass loading for inhalation	69	0.08	71	0.02	32	0.33	31	0.02
Indoor dust filtration factor	25	0.29	39	0.07	69	-0.12	69	-0.01
Depth of soil mixing layer	17	0.35	29	0.09	23	0.38	23	0.03
Depth of roots	89	0.00	89	0.00	26	0.38	24	0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	39	-0.23	46	-0.06	31	-0.34	32	-0.02
Weathering removal constant of all vegetation	75	0.05	77	0.01	61	0.16	61	0.01
Wet foliar interception fraction of leafy vegetables	12	0.39	12	0.16	4	-0.61	5	-0.05

R-SQUARE

0.99 0.99 1.00 1.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Pu-239 Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	65	-0.17	52	-0.03	73	-0.10	73	0.00
Kd of Ac-227 in Unsaturated Zone 1	19	-0.44	13	-0.07	36	0.28	37	0.01
Kd of Ac-227 in Saturated Zone	81	0.08	83	0.01	45	0.22	46	0.01
Kd of Am-241 in Contaminated Zone	79	-0.12	81	-0.01	4	0.63	4	0.04
Kd of Am-241 in Unsaturated Zone 1	5	-0.60	2	-0.32	24	-0.42	24	-0.02
Kd of Am-241 in Saturated Zone	14	0.48	9	0.08	62	-0.15	62	-0.01
Kd of Np-237 in Contaminated Zone	85	-0.04	84	0.00	28	-0.39	28	-0.02
Kd of Np-237 in Unsaturated Zone 1	35	-0.32	51	-0.03	71	-0.11	71	-0.01
Kd of Np-237 in Saturated Zone	72	0.16	53	0.03	25	-0.41	25	-0.02
Kd of Pa-231 in Contaminated Zone	37	0.32	41	0.03	12	-0.55	12	-0.03
Kd of Pa-231 in Unsaturated Zone 1	12	0.50	19	0.06	82	0.04	82	0.00
Kd of Pa-231 in Saturated Zone	6	0.56	14	0.07	11	0.55	11	0.03
Kd of Pb-210 in Contaminated Zone	84	0.05	73	0.01	81	0.05	81	0.00
Kd of Pb-210 in Unsaturated Zone 1	58	-0.23	48	-0.03	66	0.13	66	0.01
Kd of Pb-210 in Saturated Zone	71	-0.16	72	-0.01	16	0.49	16	0.03
Kd of Pu-239 in Contaminated Zone	52	0.25	56	0.03	40	-0.26	40	-0.01
Kd of Pu-239 in Unsaturated Zone 1	80	0.08	77	0.01	2	-0.72	2	-0.05
Kd of Pu-239 in Saturated Zone	45	0.28	12	0.07	47	0.21	47	0.01
Kd of Ra-226 in Contaminated Zone	26	-0.38	37	-0.04	68	0.12	68	0.01
Kd of Ra-226 in Unsaturated Zone 1	43	0.29	40	0.04	49	0.21	50	0.01
Kd of Ra-226 in Saturated Zone	50	0.26	8	0.09	48	0.21	49	0.01
Kd of Ra-228 in Contaminated Zone	16	0.48	3	0.23	17	0.49	17	0.03
Kd of Ra-228 in Unsaturated Zone 1	11	0.51	16	0.06	7	0.60	7	0.04
Kd of Ra-228 in Saturated Zone	41	0.30	31	0.04	5	-0.62	5	-0.04
Kd of Tc-99 in Saturated Zone	47	0.27	28	0.05	76	0.08	76	0.00
Kd of Th-228 in Contaminated Zone	13	0.49	22	0.05	64	0.14	64	0.01
Kd of Th-228 in Unsaturated Zone 1	31	0.33	35	0.04	3	0.70	3	0.05
Kd of Th-228 in Saturated Zone	60	-0.22	62	-0.02	52	-0.19	53	-0.01
Kd of Th-229 in Contaminated Zone	78	-0.13	71	-0.01	65	0.14	65	0.01
Kd of Th-229 in Unsaturated Zone 1	42	0.30	57	0.02	20	-0.45	20	-0.02
Kd of Th-229 in Saturated Zone	67	-0.17	20	-0.06	46	-0.22	45	-0.01
Kd of Th-230 in Contaminated Zone	68	-0.16	50	-0.03	72	0.11	72	0.01
Kd of Th-230 in Unsaturated Zone 1	89	0.00	89	0.00	35	-0.30	35	-0.02
Kd of Th-230 in Saturated Zone	32	-0.33	5	-0.11	51	-0.20	52	-0.01
Kd of Th-232 in Contaminated Zone	15	0.48	15	0.06	58	-0.15	59	-0.01
Kd of Th-232 in Unsaturated Zone 1	83	-0.06	85	0.00	50	0.20	48	0.01
Kd of Th-232 in Saturated Zone	28	-0.36	27	-0.05	42	0.24	43	0.01
Kd of U-233 in Saturated Zone	51	0.26	45	0.03	41	-0.25	41	-0.01
Kd of U-234 in Saturated Zone	7	-0.55	7	-0.09	34	-0.31	34	-0.02
Kd of U-235 in Saturated Zone	64	-0.17	66	-0.02	44	0.24	44	0.01
Kd of U-238 in Saturated Zone	49	-0.26	10	-0.08	79	0.07	79	0.00
Plant transfer factor for Ac	44	-0.29	54	-0.03	83	0.04	83	0.00
Meat transfer factor for Ac	20	0.42	24	0.05	87	0.02	87	0.00
Milk transfer factor for Ac	4	-0.62	11	-0.08	84	-0.03	84	0.00
Fish transfer factor for Ac	82	0.07	82	0.01	67	0.13	67	0.01
Plant transfer factor for Am	3	0.69	6	0.09	6	0.61	6	0.04
Meat transfer factor for Am	73	0.15	70	0.02	43	0.24	42	0.01
Milk transfer factor for Am	74	0.15	74	0.01	37	-0.28	36	-0.01
Fish transfer factor for Am	39	-0.30	42	-0.03	30	0.35	30	0.02
Plant transfer factor for Pb	40	0.30	34	0.04	77	0.08	77	0.00
Meat transfer factor for Pb	86	-0.03	87	0.00	10	0.56	10	0.03
Milk transfer factor for Pb	59	0.23	64	0.02	80	-0.06	80	0.00
Fish transfer factor for Pb	53	0.25	63	0.02	38	-0.27	38	-0.01
Plant transfer factor for Np	63	-0.20	47	-0.03	32	-0.32	32	-0.02
Meat transfer factor for Np	8	-0.54	17	-0.06	55	-0.17	55	-0.01
Milk transfer factor for Np	77	0.13	78	0.01	54	-0.19	54	-0.01
Fish transfer factor for Np	48	0.26	39	0.04	75	-0.09	75	0.00
Plant transfer factor for Pu	1	0.99	1	1.04	1	1.00	1	0.99
Meat transfer factor for Pu	57	-0.23	65	-0.02	60	0.15	60	0.01
Milk transfer factor for Pu	69	-0.16	76	-0.01	27	-0.40	27	-0.02
Fish transfer factor for Pu	18	-0.44	25	-0.05	9	0.57	9	0.03
Plant transfer factor for Pa	38	0.30	32	0.04	78	0.08	78	0.00
Meat transfer factor for Pa	75	0.15	80	0.01	70	-0.11	70	-0.01
Milk transfer factor for Pa	22	-0.40	43	-0.03	33	-0.32	33	-0.02
Fish transfer factor for Pa	17	0.45	26	0.05	63	-0.14	63	-0.01
Plant transfer factor for Ra	36	0.32	58	0.02	18	0.47	18	0.03
Meat transfer factor for Ra	66	-0.17	67	-0.02	13	0.52	13	0.03
Milk transfer factor for Ra	34	0.33	49	0.03	19	-0.47	19	-0.03
Fish transfer factor for Ra	70	0.16	75	0.01	31	0.34	31	0.02
Plant transfer factor for Tc	27	-0.37	21	-0.06	89	0.00	89	0.00
Meat transfer factor for Tc	88	0.01	88	0.00	85	-0.03	85	0.00
Milk transfer factor for Tc	21	-0.40	46	-0.03	8	-0.60	8	-0.04
Fish transfer factor for Tc	33	-0.33	30	-0.05	56	-0.16	56	-0.01
Plant transfer factor for Th	46	0.28	44	0.03	39	0.26	39	0.01
Meat transfer factor for Th	56	0.24	60	0.02	61	0.15	61	0.01
Milk transfer factor for Th	23	-0.39	29	-0.05	26	-0.41	26	-0.02
Fish transfer factor for Th	2	0.82	4	0.13	59	0.15	58	0.01
Plant transfer factor for U	24	0.39	36	0.04	22	0.43	23	0.02
Meat transfer factor for U	61	0.22	69	0.02	23	-0.43	22	-0.02
Milk transfer factor for U	54	0.25	68	0.02	88	0.01	88	0.00
Fish transfer factor for U	30	0.34	33	0.04	57	0.16	57	0.01
Well pumping rate	87	0.03	86	0.00	53	0.19	51	0.01
Mass loading for inhalation	25	-0.38	55	-0.03	14	-0.52	14	-0.03
Indoor dust filtration factor	9	0.53	18	0.06	69	-0.11	69	-0.01
Depth of soil mixing layer	10	0.53	23	0.05	29	-0.39	29	-0.02
Depth of roots	62	0.20	59	0.02	74	0.10	74	0.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	76	-0.14	79	-0.01	86	0.03	86	0.00
Weathering removal constant of all vegetation	29	-0.34	38	-0.04	21	-0.43	21	-0.02
Wet foliar interception fraction of leafy vegetables	55	-0.25	61	-0.02	15	-0.50	15	-0.03

R-SQUARE 1.00 1.00 1.00 1.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Pu-239 Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	87	0.03	88	0.00	43	0.25	43	0.02
Kd of Ac-227 in Unsaturated Zone 1	7	-0.54	13	-0.10	37	-0.28	37	-0.03
Kd of Ac-227 in Saturated Zone	80	-0.06	77	-0.01	76	-0.06	76	-0.01
Kd of Am-241 in Contaminated Zone	35	-0.30	36	-0.05	57	0.17	57	0.02
Kd of Am-241 in Unsaturated Zone 1	14	0.44	1	4.77	15	0.46	14	0.05
Kd of Am-241 in Saturated Zone	47	-0.22	59	-0.03	60	-0.15	60	-0.01
Kd of Np-237 in Contaminated Zone	85	0.04	86	0.00	30	-0.36	30	-0.03
Kd of Np-237 in Unsaturated Zone 1	46	-0.22	43	-0.04	63	-0.13	63	-0.01
Kd of Np-237 in Saturated Zone	86	-0.03	82	-0.01	82	-0.04	83	0.00
Kd of Pa-231 in Contaminated Zone	67	0.12	69	0.01	36	0.29	36	0.03
Kd of Pa-231 in Unsaturated Zone 1	8	0.52	6	0.13	54	0.21	54	0.02
Kd of Pa-231 in Saturated Zone	17	-0.41	14	-0.09	20	0.43	19	0.04
Kd of Pb-210 in Contaminated Zone	89	0.01	89	0.00	4	0.59	4	0.07
Kd of Pb-210 in Unsaturated Zone 1	2	0.82	4	0.40	18	0.43	18	0.04
Kd of Pb-210 in Saturated Zone	74	-0.07	74	-0.01	55	-0.20	55	-0.02
Kd of Pu-239 in Contaminated Zone	20	0.39	22	0.08	50	-0.23	50	-0.02
Kd of Pu-239 in Unsaturated Zone 1	31	-0.32	42	-0.04	2	-0.76	2	-0.11
Kd of Pu-239 in Saturated Zone	41	-0.25	44	-0.04	17	-0.45	17	-0.04
Kd of Ra-226 in Contaminated Zone	75	-0.07	78	-0.01	75	0.07	75	0.01
Kd of Ra-226 in Unsaturated Zone 1	23	0.36	31	0.06	10	-0.49	10	-0.05
Kd of Ra-226 in Saturated Zone	72	-0.08	70	-0.01	34	0.33	34	0.03
Kd of Ra-228 in Contaminated Zone	62	0.17	60	0.03	62	-0.14	62	-0.01
Kd of Ra-228 in Unsaturated Zone 1	34	0.30	21	0.08	64	0.13	64	0.01
Kd of Ra-228 in Saturated Zone	55	0.19	58	0.03	42	0.26	42	0.02
Kd of Tc-99 in Saturated Zone	58	0.18	62	0.02	40	0.27	40	0.02
Kd of Th-228 in Contaminated Zone	52	0.20	57	0.03	41	-0.26	41	-0.02
Kd of Th-228 in Unsaturated Zone 1	22	0.37	7	0.12	47	-0.23	46	-0.02
Kd of Th-228 in Saturated Zone	50	0.21	53	0.03	33	-0.34	32	-0.03
Kd of Th-229 in Contaminated Zone	77	0.06	80	0.01	19	-0.43	20	-0.04
Kd of Th-229 in Unsaturated Zone 1	44	0.23	50	0.03	23	0.40	21	0.04
Kd of Th-229 in Saturated Zone	45	-0.23	41	-0.04	56	-0.18	56	-0.02
Kd of Th-230 in Contaminated Zone	73	0.07	75	0.01	74	-0.07	74	-0.01
Kd of Th-230 in Unsaturated Zone 1	59	-0.17	63	-0.02	67	-0.12	68	-0.01
Kd of Th-230 in Saturated Zone	39	-0.26	23	-0.08	24	-0.40	24	-0.04
Kd of Th-232 in Contaminated Zone	9	-0.46	10	-0.10	73	-0.08	73	-0.01
Kd of Th-232 in Unsaturated Zone 1	13	-0.44	2	-4.76	87	-0.03	87	0.00
Kd of Th-232 in Saturated Zone	28	0.33	45	0.04	52	0.22	52	0.02
Kd of U-233 in Saturated Zone	56	-0.19	54	-0.03	32	-0.34	33	-0.03
Kd of U-234 in Saturated Zone	38	0.27	33	0.05	38	0.27	38	0.03
Kd of U-235 in Saturated Zone	33	-0.30	15	-0.09	49	-0.23	48	-0.02
Kd of U-238 in Saturated Zone	49	-0.21	29	-0.06	35	-0.29	35	-0.03
Plant transfer factor for Ac	16	0.42	9	0.10	51	-0.23	51	-0.02
Meat transfer factor for Ac	10	0.45	18	0.08	27	-0.37	27	-0.04
Milk transfer factor for Ac	84	-0.04	85	0.00	25	-0.39	26	-0.04
Fish transfer factor for Ac	37	0.28	28	0.07	3	0.60	3	0.07
Plant transfer factor for Am	70	-0.09	72	-0.01	53	0.21	53	0.02
Meat transfer factor for Am	32	-0.32	26	-0.07	16	0.46	16	0.05
Milk transfer factor for Am	21	-0.38	16	-0.09	5	0.58	5	0.06
Fish transfer factor for Am	81	-0.05	81	-0.01	46	0.23	47	0.02
Plant transfer factor for Pb	68	0.11	55	0.03	80	0.05	80	0.00
Meat transfer factor for Pb	27	0.33	32	0.06	26	0.39	25	0.04
Milk transfer factor for Pb	5	0.55	12	0.10	29	0.36	28	0.04
Fish transfer factor for Pb	66	0.12	73	0.01	12	-0.47	12	-0.05
Plant transfer factor for Np	82	0.04	83	0.01	11	-0.49	11	-0.05
Meat transfer factor for Np	30	-0.32	37	-0.04	72	-0.08	72	-0.01
Milk transfer factor for Np	36	-0.29	24	-0.07	78	-0.05	78	0.00
Fish transfer factor for Np	29	-0.32	20	-0.08	22	-0.40	22	-0.04
Plant transfer factor for Pu	1	0.99	3	0.89	1	1.00	1	0.94
Meat transfer factor for Pu	69	-0.11	71	-0.01	88	-0.01	88	0.00
Milk transfer factor for Pu	42	-0.24	47	-0.04	69	0.12	69	0.01
Fish transfer factor for Pu	60	-0.17	67	-0.02	31	-0.35	31	-0.03
Plant transfer factor for Pa	11	-0.45	25	-0.07	48	0.23	49	0.02
Meat transfer factor for Pa	63	0.17	46	0.04	45	-0.24	45	-0.02
Milk transfer factor for Pa	6	-0.54	5	-0.14	84	-0.04	84	0.00
Fish transfer factor for Pa	48	0.22	56	0.03	70	-0.11	70	-0.01
Plant transfer factor for Ra	71	-0.09	65	-0.02	86	0.03	86	0.00
Meat transfer factor for Ra	53	0.19	49	0.03	66	-0.12	67	-0.01
Milk transfer factor for Ra	3	0.64	8	0.12	71	0.09	71	0.01
Fish transfer factor for Ra	18	0.41	39	0.04	13	0.47	13	0.05
Plant transfer factor for Tc	4	-0.56	11	-0.10	59	-0.15	59	-0.01
Meat transfer factor for Tc	15	0.44	17	0.08	28	-0.36	29	-0.04
Milk transfer factor for Tc	83	-0.04	84	-0.01	9	0.53	9	0.06
Fish transfer factor for Tc	88	-0.02	87	0.00	61	0.14	61	0.01
Plant transfer factor for Th	51	-0.21	52	-0.03	81	0.04	82	0.00
Meat transfer factor for Th	78	-0.06	66	-0.02	14	-0.46	15	-0.05
Milk transfer factor for Th	54	-0.19	51	-0.03	68	0.12	66	0.01
Fish transfer factor for Th	24	0.35	40	0.04	83	0.04	81	0.00
Plant transfer factor for U	25	0.35	34	0.05	89	0.01	89	0.00
Meat transfer factor for U	79	0.06	76	0.01	21	-0.40	23	-0.04
Milk transfer factor for U	12	0.44	19	0.08	6	0.55	6	0.06
Fish transfer factor for U	57	-0.19	48	-0.03	79	-0.05	79	0.00
Well pumping rate	65	0.15	64	0.02	65	0.13	65	0.01
Mass loading for inhalation	43	0.24	38	0.04	85	-0.03	85	0.00
Indoor dust filtration factor	26	0.33	30	0.06	44	-0.25	44	-0.02
Depth of soil mixing layer	19	-0.40	27	-0.07	77	-0.06	77	0.00
Depth of roots	76	-0.07	79	-0.01	8	0.54	8	0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	64	-0.16	61	-0.02	7	-0.55	7	-0.06
Weathering removal constant of all vegetation	40	0.25	35	0.05	58	0.16	58	0.01
Wet foliar interception fraction of leafy vegetables	61	0.17	68	0.02	39	-0.27	39	-0.03

R-SQUARE 1.00 1.00 0.99 0.99

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Ra-228 Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	82	-0.11	82	0.00	56	-0.23	56	0.00
Kd of Ac-227 in Unsaturated Zone 1	77	0.17	80	0.00	13	-0.49	13	-0.01
Kd of Ac-227 in Saturated Zone	26	-0.52	27	-0.01	42	-0.29	43	0.00
Kd of Am-241 in Contaminated Zone	35	0.47	34	0.01	71	0.10	71	0.00
Kd of Am-241 in Unsaturated Zone 1	75	0.19	49	0.01	54	-0.24	53	0.00
Kd of Am-241 in Saturated Zone	13	-0.60	2	-0.05	37	0.32	37	0.00
Kd of Np-237 in Contaminated Zone	15	0.59	5	0.03	65	0.15	65	0.00
Kd of Np-237 in Unsaturated Zone 1	52	0.33	39	0.01	18	0.47	18	0.01
Kd of Np-237 in Saturated Zone	8	-0.65	16	-0.01	33	0.36	33	0.00
Kd of Pa-231 in Contaminated Zone	65	0.25	65	0.00	8	0.54	10	0.01
Kd of Pa-231 in Unsaturated Zone 1	19	0.57	3	0.05	23	-0.44	23	-0.01
Kd of Pa-231 in Saturated Zone	27	0.51	36	0.01	17	0.47	20	0.01
Kd of Pb-210 in Contaminated Zone	22	-0.54	23	-0.01	25	0.42	25	0.01
Kd of Pb-210 in Unsaturated Zone 1	69	0.23	48	0.01	87	-0.02	87	0.00
Kd of Pb-210 in Saturated Zone	88	0.02	87	0.00	21	0.46	21	0.01
Kd of Pu-239 in Contaminated Zone	33	0.48	15	0.01	16	-0.47	17	-0.01
Kd of Pu-239 in Unsaturated Zone 1	67	0.24	63	0.01	35	0.34	35	0.00
Kd of Pu-239 in Saturated Zone	46	0.38	43	0.01	74	-0.07	75	0.00
Kd of Ra-226 in Contaminated Zone	11	0.61	8	0.02	78	0.06	78	0.00
Kd of Ra-226 in Unsaturated Zone 1	4	0.67	9	0.02	69	0.12	69	0.00
Kd of Ra-226 in Saturated Zone	5	0.67	11	0.02	14	0.48	14	0.01
Kd of Ra-228 in Contaminated Zone	21	-0.56	7	-0.02	52	0.25	52	0.00
Kd of Ra-228 in Unsaturated Zone 1	60	0.28	66	0.00	31	-0.36	32	0.00
Kd of Ra-228 in Saturated Zone	78	-0.14	73	0.00	53	0.25	54	0.00
Kd of Tc-99 in Saturated Zone	53	-0.32	58	-0.01	47	-0.26	47	0.00
Kd of Th-228 in Contaminated Zone	6	0.67	37	0.01	79	-0.06	79	0.00
Kd of Th-228 in Unsaturated Zone 1	61	-0.28	32	-0.01	80	-0.06	80	0.00
Kd of Th-228 in Saturated Zone	80	0.12	70	0.00	6	0.58	6	0.01
Kd of Th-229 in Contaminated Zone	16	-0.58	33	-0.01	89	0.00	89	0.00
Kd of Th-229 in Unsaturated Zone 1	62	0.28	31	0.01	70	-0.12	70	0.00
Kd of Th-229 in Saturated Zone	58	-0.29	67	0.00	11	-0.52	11	-0.01
Kd of Th-230 in Contaminated Zone	18	-0.58	14	-0.01	29	-0.37	29	0.00
Kd of Th-230 in Unsaturated Zone 1	76	-0.19	62	-0.01	61	-0.20	61	0.00
Kd of Th-230 in Saturated Zone	44	0.40	47	0.01	43	0.29	42	0.00
Kd of Th-232 in Contaminated Zone	70	-0.23	68	0.00	15	-0.48	15	-0.01
Kd of Th-232 in Unsaturated Zone 1	63	-0.27	52	-0.01	81	-0.04	81	0.00
Kd of Th-232 in Saturated Zone	55	-0.32	60	-0.01	19	0.47	16	0.01
Kd of U-233 in Saturated Zone	79	0.13	81	0.00	46	-0.27	46	0.00
Kd of U-234 in Saturated Zone	30	-0.51	6	-0.03	36	-0.33	36	0.00
Kd of U-235 in Saturated Zone	57	0.31	41	0.01	60	-0.20	60	0.00
Kd of U-238 in Saturated Zone	36	-0.47	26	-0.01	24	0.43	24	0.01
Plant transfer factor for Ac	45	0.39	54	0.01	75	-0.07	74	0.00
Meat transfer factor for Ac	31	0.51	42	0.01	28	-0.40	28	0.00
Milk transfer factor for Ac	20	0.56	13	0.02	88	-0.01	88	0.00
Fish transfer factor for Ac	43	-0.40	45	-0.01	63	-0.15	63	0.00
Plant transfer factor for Am	71	-0.23	74	0.00	12	0.51	12	0.01
Meat transfer factor for Am	39	-0.45	25	-0.01	9	0.54	8	0.01
Milk transfer factor for Am	3	0.72	10	0.02	50	-0.26	50	0.00
Fish transfer factor for Am	34	0.48	29	0.01	59	0.22	59	0.00
Plant transfer factor for Pb	28	0.51	22	0.01	77	0.06	76	0.00
Meat transfer factor for Pb	72	-0.22	77	0.00	66	0.14	66	0.00
Milk transfer factor for Pb	32	0.49	35	0.01	55	0.24	55	0.00
Fish transfer factor for Pb	24	-0.52	38	-0.01	45	-0.27	45	0.00
Plant transfer factor for Np	9	-0.64	20	-0.01	4	0.61	4	0.01
Meat transfer factor for Np	42	0.43	53	0.01	76	0.06	77	0.00
Milk transfer factor for Np	49	-0.37	57	-0.01	40	0.30	41	0.00
Fish transfer factor for Np	51	-0.34	30	-0.01	85	0.03	85	0.00
Plant transfer factor for Pu	68	-0.23	72	0.00	68	0.12	68	0.00
Meat transfer factor for Pu	86	-0.08	86	0.00	38	-0.32	38	0.00
Milk transfer factor for Pu	54	0.32	59	0.01	72	-0.09	72	0.00
Fish transfer factor for Pu	83	0.08	85	0.00	82	0.04	82	0.00
Plant transfer factor for Pa	17	-0.58	19	-0.01	84	0.04	84	0.00
Meat transfer factor for Pa	38	-0.45	55	-0.01	83	-0.04	83	0.00
Milk transfer factor for Pa	47	-0.38	56	-0.01	22	-0.45	22	-0.01
Fish transfer factor for Pa	23	-0.53	12	-0.02	58	0.22	58	0.00
Plant transfer factor for Ra	1	1.00	1	0.99	1	1.00	1	1.00
Meat transfer factor for Ra	2	0.87	4	0.04	3	0.72	3	0.01
Milk transfer factor for Ra	12	0.60	24	0.01	2	0.92	2	0.03
Fish transfer factor for Ra	40	-0.44	21	-0.01	67	-0.13	67	0.00
Plant transfer factor for Tc	74	-0.19	75	0.00	26	-0.41	26	-0.01
Meat transfer factor for Tc	37	-0.46	40	-0.01	86	0.02	86	0.00
Milk transfer factor for Tc	89	0.01	89	0.00	44	-0.28	44	0.00
Fish transfer factor for Tc	84	-0.08	83	0.00	5	-0.61	5	-0.01
Plant transfer factor for Th	14	-0.59	28	-0.01	27	0.41	27	0.01
Meat transfer factor for Th	10	0.61	17	0.01	64	-0.15	64	0.00
Milk transfer factor for Th	25	0.52	44	0.01	39	-0.30	39	0.00
Fish transfer factor for Th	7	-0.66	18	-0.01	32	0.36	31	0.00
Plant transfer factor for U	66	0.24	76	0.00	34	0.35	34	0.00
Meat transfer factor for U	64	-0.25	71	0.00	57	0.23	57	0.00
Milk transfer factor for U	56	-0.31	64	0.00	10	0.54	9	0.01
Fish transfer factor for U	29	-0.51	46	-0.01	41	0.30	40	0.00
Well pumping rate	41	-0.44	51	-0.01	62	-0.18	62	0.00
Mass loading for inhalation	59	0.29	69	0.00	48	0.26	48	0.00
Indoor dust filtration factor	73	-0.20	78	0.00	20	-0.47	19	-0.01
Depth of soil mixing layer	85	-0.08	84	0.00	30	-0.37	30	0.00
Depth of roots	87	0.02	88	0.00	7	0.55	7	0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	50	0.36	61	0.01	51	0.25	51	0.00
Weathering removal constant of all vegetation	48	-0.38	50	-0.01	73	0.09	73	0.00
Wet foliar interception fraction of leafy vegetables	81	-0.12	79	0.00	49	-0.26	49	0.00

R-SQUARE

1.00 1.00 1.00 1.00

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 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Ra-228 Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	59	0.15	43	0.00	73	-0.06	73	0.00
Kd of Ac-227 in Unsaturated Zone 1	60	-0.14	47	0.00	82	-0.02	82	0.00
Kd of Ac-227 in Saturated Zone	80	0.05	84	0.00	64	-0.12	64	0.00
Kd of Am-241 in Contaminated Zone	35	0.28	41	0.01	52	-0.17	53	0.00
Kd of Am-241 in Unsaturated Zone 1	45	0.21	10	0.02	36	-0.28	35	0.00
Kd of Am-241 in Saturated Zone	88	-0.01	87	0.00	27	-0.32	28	0.00
Kd of Np-237 in Contaminated Zone	27	0.31	31	0.01	31	0.30	31	0.00
Kd of Np-237 in Unsaturated Zone 1	48	-0.21	51	0.00	58	0.13	58	0.00
Kd of Np-237 in Saturated Zone	38	-0.27	26	-0.01	45	-0.21	46	0.00
Kd of Pa-231 in Contaminated Zone	57	0.15	58	0.00	83	0.02	84	0.00
Kd of Pa-231 in Unsaturated Zone 1	54	-0.16	56	0.00	56	0.14	57	0.00
Kd of Pa-231 in Saturated Zone	71	-0.09	72	0.00	50	0.20	50	0.00
Kd of Pb-210 in Contaminated Zone	81	-0.04	64	0.00	61	0.13	61	0.00
Kd of Pb-210 in Unsaturated Zone 1	7	-0.61	9	-0.02	40	0.23	41	0.00
Kd of Pb-210 in Saturated Zone	13	0.54	21	0.01	17	-0.37	18	-0.01
Kd of Pu-239 in Contaminated Zone	58	-0.15	59	0.00	48	0.20	49	0.00
Kd of Pu-239 in Unsaturated Zone 1	19	-0.43	18	-0.01	68	-0.10	69	0.00
Kd of Pu-239 in Saturated Zone	14	-0.52	3	-0.03	62	-0.12	62	0.00
Kd of Ra-226 in Contaminated Zone	68	0.09	71	0.00	26	0.33	25	0.01
Kd of Ra-226 in Unsaturated Zone 1	56	-0.15	50	0.00	75	0.06	75	0.00
Kd of Ra-226 in Saturated Zone	29	-0.31	7	-0.02	29	-0.32	29	0.00
Kd of Ra-228 in Contaminated Zone	84	-0.03	62	0.00	51	-0.17	51	0.00
Kd of Ra-228 in Unsaturated Zone 1	67	-0.09	70	0.00	15	0.41	15	0.01
Kd of Ra-228 in Saturated Zone	21	0.38	23	0.01	28	-0.32	27	0.00
Kd of Tc-99 in Saturated Zone	34	-0.29	25	-0.01	14	-0.42	14	-0.01
Kd of Th-228 in Contaminated Zone	47	0.21	48	0.00	80	-0.04	79	0.00
Kd of Th-228 in Unsaturated Zone 1	62	-0.13	61	0.00	71	0.08	71	0.00
Kd of Th-228 in Saturated Zone	24	-0.35	36	-0.01	77	0.05	77	0.00
Kd of Th-229 in Contaminated Zone	5	0.63	11	0.02	12	0.43	12	0.01
Kd of Th-229 in Unsaturated Zone 1	33	0.29	45	0.00	10	-0.48	10	-0.01
Kd of Th-229 in Saturated Zone	49	0.20	19	0.01	47	-0.21	47	0.00
Kd of Th-230 in Contaminated Zone	66	0.10	54	0.00	72	-0.07	72	0.00
Kd of Th-230 in Unsaturated Zone 1	6	0.61	6	0.03	4	0.59	4	0.01
Kd of Th-230 in Saturated Zone	37	0.28	12	0.02	38	-0.24	40	0.00
Kd of Th-232 in Contaminated Zone	46	-0.21	44	0.00	22	-0.35	22	-0.01
Kd of Th-232 in Unsaturated Zone 1	39	-0.27	49	0.00	86	-0.01	86	0.00
Kd of Th-232 in Saturated Zone	36	0.28	35	0.01	59	-0.13	60	0.00
Kd of U-233 in Saturated Zone	43	-0.23	38	-0.01	89	-0.01	89	0.00
Kd of U-234 in Saturated Zone	20	0.41	20	0.01	84	0.02	83	0.00
Kd of U-235 in Saturated Zone	25	0.35	34	0.01	32	-0.30	32	0.00
Kd of U-238 in Saturated Zone	11	0.54	2	0.03	88	-0.01	88	0.00
Plant transfer factor for Ac	76	0.06	79	0.00	57	0.14	56	0.00
Meat transfer factor for Ac	9	-0.59	14	-0.02	9	0.49	8	0.01
Milk transfer factor for Ac	4	0.63	15	0.01	11	0.47	11	0.01
Fish transfer factor for Ac	22	0.37	29	0.01	16	0.37	17	0.01
Plant transfer factor for Am	85	0.03	85	0.00	46	0.21	45	0.00
Meat transfer factor for Am	18	0.45	24	0.01	60	0.13	59	0.00
Milk transfer factor for Am	64	0.11	68	0.00	66	-0.12	65	0.00
Fish transfer factor for Am	10	-0.55	16	-0.01	37	-0.26	37	0.00
Plant transfer factor for Pb	23	-0.36	27	-0.01	85	0.02	85	0.00
Meat transfer factor for Pb	30	0.31	40	0.01	18	-0.37	16	-0.01
Milk transfer factor for Pb	74	-0.07	76	0.00	76	-0.05	76	0.00
Fish transfer factor for Pb	89	-0.01	89	0.00	55	0.14	55	0.00
Plant transfer factor for Np	32	0.30	28	0.01	41	0.23	39	0.00
Meat transfer factor for Np	55	0.15	60	0.00	13	-0.42	13	-0.01
Milk transfer factor for Np	51	0.18	52	0.00	30	-0.30	30	0.00
Fish transfer factor for Np	15	-0.48	17	-0.01	44	-0.22	44	0.00
Plant transfer factor for Pu	41	-0.25	39	-0.01	8	-0.49	9	-0.01
Meat transfer factor for Pu	79	0.06	81	0.00	25	0.33	26	0.01
Milk transfer factor for Pu	83	0.04	83	0.00	39	-0.24	38	0.00
Fish transfer factor for Pu	65	0.10	66	0.00	20	0.36	19	0.01
Plant transfer factor for Pa	12	-0.54	13	-0.02	43	-0.22	43	0.00
Meat transfer factor for Pa	17	0.45	32	0.01	23	-0.34	23	-0.01
Milk transfer factor for Pa	63	0.12	69	0.00	81	-0.04	81	0.00
Fish transfer factor for Pa	40	-0.27	42	-0.01	33	-0.29	33	0.00
Plant transfer factor for Ra	1	1.00	1	0.99	1	1.00	1	1.00
Meat transfer factor for Ra	3	0.81	4	0.03	3	0.75	3	0.02
Milk transfer factor for Ra	2	0.87	5	0.03	2	0.94	2	0.04
Fish transfer factor for Ra	82	-0.04	82	0.00	21	-0.36	21	-0.01
Plant transfer factor for Tc	8	0.59	8	0.02	49	-0.20	48	0.00
Meat transfer factor for Tc	75	-0.07	78	0.00	78	0.04	78	0.00
Milk transfer factor for Tc	52	0.17	63	0.00	24	0.33	24	0.01
Fish transfer factor for Tc	31	-0.30	30	-0.01	35	0.28	36	0.00
Plant transfer factor for Th	16	0.46	22	0.01	7	0.51	7	0.01
Meat transfer factor for Th	77	0.06	80	0.00	5	-0.54	5	-0.01
Milk transfer factor for Th	69	0.09	67	0.00	42	0.23	42	0.00
Fish transfer factor for Th	86	-0.02	86	0.00	54	-0.15	54	0.00
Plant transfer factor for U	28	-0.31	37	-0.01	74	-0.06	74	0.00
Meat transfer factor for U	72	0.08	77	0.00	67	0.11	67	0.00
Milk transfer factor for U	42	0.24	53	0.00	6	-0.53	6	-0.01
Fish transfer factor for U	78	0.06	74	0.00	69	0.10	68	0.00
Well pumping rate	53	-0.17	55	0.00	79	-0.04	80	0.00
Mass loading for inhalation	87	0.02	88	0.00	53	0.16	52	0.00
Indoor dust filtration factor	70	0.09	73	0.00	63	0.12	63	0.00
Depth of soil mixing layer	61	0.14	65	0.00	70	-0.10	70	0.00
Depth of roots	26	-0.34	33	-0.01	19	0.36	20	0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	50	0.18	57	0.00	65	-0.12	66	0.00
Weathering removal constant of all vegetation	44	0.22	46	0.00	87	-0.01	87	0.00
Wet foliar interception fraction of leafy vegetables	73	0.08	75	0.00	34	-0.29	34	0.00

R-SQUARE 1.00 1.00 1.00 1.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Ra-228 Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	34	-0.31	50	0.00	77	0.05	77	0.00
Kd of Ac-227 in Unsaturated Zone 1	40	0.26	41	0.01	85	0.01	85	0.00
Kd of Ac-227 in Saturated Zone	11	0.44	15	0.01	33	-0.23	33	0.00
Kd of Am-241 in Contaminated Zone	60	0.15	62	0.00	58	0.11	58	0.00
Kd of Am-241 in Unsaturated Zone 1	44	-0.26	3	-0.33	44	-0.19	44	0.00
Kd of Am-241 in Saturated Zone	24	0.35	39	0.01	78	0.05	78	0.00
Kd of Np-237 in Contaminated Zone	81	0.04	83	0.00	43	-0.20	43	0.00
Kd of Np-237 in Unsaturated Zone 1	83	-0.03	82	0.00	56	-0.13	56	0.00
Kd of Np-237 in Saturated Zone	18	0.39	20	0.01	34	0.23	34	0.00
Kd of Pa-231 in Contaminated Zone	53	-0.21	59	0.00	13	-0.39	14	-0.01
Kd of Pa-231 in Unsaturated Zone 1	21	-0.37	14	-0.01	69	0.07	69	0.00
Kd of Pa-231 in Saturated Zone	52	-0.22	37	-0.01	9	-0.43	9	-0.01
Kd of Pb-210 in Contaminated Zone	75	0.07	77	0.00	15	-0.38	16	-0.01
Kd of Pb-210 in Unsaturated Zone 1	8	-0.48	5	-0.02	84	-0.01	84	0.00
Kd of Pb-210 in Saturated Zone	76	-0.05	76	0.00	31	-0.25	31	0.00
Kd of Pu-239 in Contaminated Zone	58	-0.16	55	0.00	71	0.07	72	0.00
Kd of Pu-239 in Unsaturated Zone 1	57	0.16	63	0.00	23	-0.30	23	0.00
Kd of Pu-239 in Saturated Zone	78	0.05	80	0.00	76	0.05	76	0.00
Kd of Ra-226 in Contaminated Zone	45	0.25	46	0.00	52	0.15	52	0.00
Kd of Ra-226 in Unsaturated Zone 1	48	0.24	45	0.00	50	0.16	49	0.00
Kd of Ra-226 in Saturated Zone	17	0.39	22	0.01	82	-0.03	82	0.00
Kd of Ra-228 in Contaminated Zone	56	0.17	61	0.00	45	0.19	45	0.00
Kd of Ra-228 in Unsaturated Zone 1	80	-0.04	70	0.00	26	-0.28	26	0.00
Kd of Ra-228 in Saturated Zone	54	-0.19	57	0.00	64	0.10	63	0.00
Kd of Tc-99 in Saturated Zone	6	-0.52	21	-0.01	66	-0.08	66	0.00
Kd of Th-228 in Contaminated Zone	4	-0.56	13	-0.01	41	-0.21	40	0.00
Kd of Th-228 in Unsaturated Zone 1	31	-0.31	12	-0.01	39	-0.21	36	0.00
Kd of Th-228 in Saturated Zone	22	-0.37	30	-0.01	86	0.01	86	0.00
Kd of Th-229 in Contaminated Zone	87	-0.01	87	0.00	61	-0.11	61	0.00
Kd of Th-229 in Unsaturated Zone 1	62	-0.15	65	0.00	74	0.06	74	0.00
Kd of Th-229 in Saturated Zone	61	0.15	58	0.00	75	0.05	75	0.00
Kd of Th-230 in Contaminated Zone	20	-0.37	26	-0.01	36	0.22	37	0.00
Kd of Th-230 in Unsaturated Zone 1	85	0.02	86	0.00	19	-0.36	19	-0.01
Kd of Th-230 in Saturated Zone	68	0.09	60	0.00	12	-0.40	13	-0.01
Kd of Th-232 in Contaminated Zone	27	0.32	24	0.01	37	-0.21	39	0.00
Kd of Th-232 in Unsaturated Zone 1	39	0.27	2	0.35	48	-0.18	48	0.00
Kd of Th-232 in Saturated Zone	71	0.08	78	0.00	40	-0.21	38	0.00
Kd of U-233 in Saturated Zone	89	0.00	89	0.00	22	-0.32	22	-0.01
Kd of U-234 in Saturated Zone	77	-0.05	74	0.00	20	-0.34	20	-0.01
Kd of U-235 in Saturated Zone	23	0.36	11	0.01	68	-0.07	67	0.00
Kd of U-238 in Saturated Zone	86	-0.01	84	0.00	62	0.10	62	0.00
Plant transfer factor for Ac	37	-0.28	25	-0.01	24	-0.30	24	0.00
Meat transfer factor for Ac	19	-0.39	23	-0.01	30	-0.26	30	0.00
Milk transfer factor for Ac	49	0.24	53	0.00	47	0.18	47	0.00
Fish transfer factor for Ac	32	0.31	19	0.01	87	-0.01	87	0.00
Plant transfer factor for Am	84	-0.02	85	0.00	18	0.37	18	0.01
Meat transfer factor for Am	5	0.54	7	0.02	49	-0.16	50	0.00
Milk transfer factor for Am	9	0.47	10	0.01	21	-0.34	21	-0.01
Fish transfer factor for Am	26	0.32	34	0.01	65	-0.10	65	0.00
Plant transfer factor for Pb	13	-0.41	8	-0.02	5	0.53	5	0.01
Meat transfer factor for Pb	28	-0.31	31	-0.01	35	0.22	35	0.00
Milk transfer factor for Pb	70	-0.09	67	0.00	53	-0.14	53	0.00
Fish transfer factor for Pb	12	-0.43	36	-0.01	51	-0.16	51	0.00
Plant transfer factor for Np	50	0.23	51	0.00	70	-0.07	70	0.00
Meat transfer factor for Np	36	0.30	42	0.01	89	0.00	89	0.00
Milk transfer factor for Np	64	-0.12	54	0.00	16	0.38	15	0.01
Fish transfer factor for Np	46	-0.24	27	-0.01	83	0.02	83	0.00
Plant transfer factor for Pu	72	-0.07	73	0.00	11	0.40	11	0.01
Meat transfer factor for Pu	25	-0.33	40	-0.01	80	0.04	80	0.00
Milk transfer factor for Pu	10	0.47	16	0.01	32	0.24	32	0.00
Fish transfer factor for Pu	69	0.09	75	0.00	57	-0.11	57	0.00
Plant transfer factor for Pa	38	0.27	44	0.00	59	0.11	59	0.00
Meat transfer factor for Pa	88	0.00	88	0.00	8	-0.43	8	-0.01
Milk transfer factor for Pa	59	0.16	47	0.00	60	-0.11	60	0.00
Fish transfer factor for Pa	42	-0.26	48	0.00	4	-0.58	4	-0.01
Plant transfer factor for Ra	1	1.00	1	1.00	1	1.00	1	1.00
Meat transfer factor for Ra	3	0.56	9	0.01	3	0.75	3	0.02
Milk transfer factor for Ra	2	0.74	6	0.02	2	0.91	2	0.03
Fish transfer factor for Ra	29	0.31	52	0.00	7	-0.49	7	-0.01
Plant transfer factor for Tc	43	0.26	43	0.01	14	-0.39	12	-0.01
Meat transfer factor for Tc	79	-0.05	79	0.00	10	-0.41	10	-0.01
Milk transfer factor for Tc	51	-0.23	49	0.00	54	0.13	54	0.00
Fish transfer factor for Tc	41	0.26	33	0.01	67	-0.07	68	0.00
Plant transfer factor for Th	35	0.30	38	0.01	17	0.37	17	0.01
Meat transfer factor for Th	7	-0.49	4	-0.02	28	0.27	28	0.00
Milk transfer factor for Th	82	0.03	81	0.00	79	-0.04	79	0.00
Fish transfer factor for Th	67	0.09	72	0.00	72	-0.06	71	0.00
Plant transfer factor for U	65	0.12	66	0.00	42	0.21	42	0.00
Meat transfer factor for U	14	-0.40	18	-0.01	88	-0.01	88	0.00
Milk transfer factor for U	30	-0.31	32	-0.01	81	-0.04	81	0.00
Fish transfer factor for U	15	0.40	17	0.01	38	-0.21	41	0.00
Well pumping rate	16	-0.39	29	-0.01	25	-0.29	25	0.00
Mass loading for inhalation	33	-0.31	28	-0.01	6	0.50	6	0.01
Indoor dust filtration factor	74	-0.07	68	0.00	73	0.06	73	0.00
Depth of soil mixing layer	55	-0.19	56	0.00	63	-0.10	64	0.00
Depth of roots	63	-0.14	64	0.00	29	0.27	29	0.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	73	0.07	71	0.00	55	-0.13	55	0.00
Weathering removal constant of all vegetation	47	0.24	35	0.01	27	-0.28	27	0.00
Wet foliar interception fraction of leafy vegetables	66	-0.11	69	0.00	46	0.19	46	0.00

R-SQUARE 1.00 1.00 1.00 1.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Tc-99 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	
Kd of Ac-227 in Contaminated Zone	73	-0.11	76	0.00	37	0.53	39	0.00	
Kd of Ac-227 in Unsaturated Zone 1	37	-0.29	51	0.00	56	-0.33	56	0.00	
Kd of Ac-227 in Saturated Zone	14	-0.46	16	-0.01	77	0.13	77	0.00	
Kd of Am-241 in Contaminated Zone	21	0.42	21	0.01	40	0.52	40	0.00	
Kd of Am-241 in Unsaturated Zone 1	61	-0.19	30	-0.01	10	-0.80	10	-0.01	
Kd of Am-241 in Saturated Zone	71	0.13	18	0.01	59	-0.30	59	0.00	
Kd of Np-237 in Contaminated Zone	19	-0.43	3	-0.02	9	-0.80	9	-0.01	
Kd of Np-237 in Unsaturated Zone 1	53	-0.25	34	-0.01	32	0.57	32	0.00	
Kd of Np-237 in Saturated Zone	47	-0.26	52	0.00	12	-0.78	12	-0.01	
Kd of Pa-231 in Contaminated Zone	55	-0.24	55	0.00	87	-0.03	87	0.00	
Kd of Pa-231 in Unsaturated Zone 1	81	-0.05	65	0.00	8	-0.81	8	-0.01	
Kd of Pa-231 in Saturated Zone	32	0.36	38	0.01	79	-0.12	79	0.00	
Kd of Pb-210 in Contaminated Zone	38	-0.29	39	-0.01	54	0.37	54	0.00	
Kd of Pb-210 in Unsaturated Zone 1	22	-0.41	9	-0.01	89	-0.02	89	0.00	
Kd of Pb-210 in Saturated Zone	82	-0.04	79	0.00	81	-0.11	81	0.00	
Kd of Pu-239 in Contaminated Zone	78	0.08	73	0.00	5	0.85	5	0.01	
Kd of Pu-239 in Unsaturated Zone 1	34	0.35	25	0.01	58	0.31	57	0.00	
Kd of Pu-239 in Saturated Zone	16	-0.45	15	-0.01	13	-0.77	13	-0.01	
Kd of Ra-226 in Contaminated Zone	29	0.37	12	0.01	44	0.46	44	0.00	
Kd of Ra-226 in Unsaturated Zone 1	4	-0.64	4	-0.02	49	-0.40	49	0.00	
Kd of Ra-226 in Saturated Zone	31	0.36	24	0.01	51	-0.37	51	0.00	
Kd of Ra-228 in Contaminated Zone	24	0.41	6	0.01	83	0.08	83	0.00	
Kd of Ra-228 in Unsaturated Zone 1	69	-0.14	74	0.00	20	0.69	20	0.00	
Kd of Ra-228 in Saturated Zone	87	-0.01	87	0.00	29	0.59	29	0.00	
Kd of Tc-99 in Saturated Zone	40	0.29	47	0.00	21	0.69	21	0.00	
Kd of Th-228 in Contaminated Zone	33	-0.35	59	0.00	36	0.53	36	0.00	
Kd of Th-228 in Unsaturated Zone 1	67	0.16	43	0.01	39	0.52	38	0.00	
Kd of Th-228 in Saturated Zone	76	-0.08	70	0.00	74	0.17	74	0.00	
Kd of Th-229 in Contaminated Zone	11	-0.50	22	-0.01	27	-0.63	27	0.00	
Kd of Th-229 in Unsaturated Zone 1	52	0.25	17	0.01	71	-0.21	71	0.00	
Kd of Th-229 in Saturated Zone	66	-0.17	72	0.00	30	0.58	30	0.00	
Kd of Th-230 in Contaminated Zone	86	-0.01	86	0.00	50	-0.38	50	0.00	
Kd of Th-230 in Unsaturated Zone 1	68	-0.15	60	0.00	85	0.05	85	0.00	
Kd of Th-230 in Saturated Zone	48	0.26	50	0.00	78	-0.12	78	0.00	
Kd of Th-232 in Contaminated Zone	6	-0.61	10	-0.01	75	-0.15	75	0.00	
Kd of Th-232 in Unsaturated Zone 1	58	0.21	44	0.00	42	0.49	42	0.00	
Kd of Th-232 in Saturated Zone	20	-0.42	28	-0.01	88	-0.03	88	0.00	
Kd of U-233 in Saturated Zone	3	-0.67	7	-0.01	45	0.45	45	0.00	
Kd of U-234 in Saturated Zone	85	0.02	81	0.00	6	-0.83	6	-0.01	
Kd of U-235 in Saturated Zone	59	-0.21	41	-0.01	48	0.40	48	0.00	
Kd of U-238 in Saturated Zone	39	0.29	36	0.01	15	-0.75	15	-0.01	
Plant transfer factor for Ac	45	-0.27	54	0.00	67	0.23	67	0.00	
Meat transfer factor for Ac	17	0.45	31	0.01	43	0.47	43	0.00	
Milk transfer factor for Ac	80	0.05	80	0.00	46	-0.44	46	0.00	
Fish transfer factor for Ac	57	-0.22	56	0.00	35	0.53	34	0.00	
Plant transfer factor for Am	13	0.47	29	0.01	69	0.22	69	0.00	
Meat transfer factor for Am	7	-0.60	5	-0.02	65	-0.26	65	0.00	
Milk transfer factor for Am	54	-0.24	53	0.00	64	-0.27	64	0.00	
Fish transfer factor for Am	70	-0.14	67	0.00	4	0.85	4	0.01	
Plant transfer factor for Pb	49	0.25	40	0.01	18	-0.71	19	0.00	
Meat transfer factor for Pb	8	-0.57	19	-0.01	25	-0.65	24	0.00	
Milk transfer factor for Pb	60	-0.19	64	0.00	28	0.61	28	0.00	
Fish transfer factor for Pb	75	-0.09	78	0.00	57	0.31	58	0.00	
Plant transfer factor for Np	64	0.18	66	0.00	73	0.19	73	0.00	
Meat transfer factor for Np	36	-0.33	49	0.00	66	-0.25	66	0.00	
Milk transfer factor for Np	63	-0.18	68	0.00	72	-0.20	72	0.00	
Fish transfer factor for Np	18	-0.44	8	-0.01	24	0.65	25	0.00	
Plant transfer factor for Pu	79	0.06	83	0.00	16	-0.74	16	0.00	
Meat transfer factor for Pu	30	-0.36	48	0.00	61	-0.28	62	0.00	
Milk transfer factor for Pu	83	-0.04	85	0.00	41	-0.50	41	0.00	
Fish transfer factor for Pu	77	-0.08	82	0.00	55	-0.34	55	0.00	
Plant transfer factor for Pa	35	0.34	33	0.01	17	-0.73	17	0.00	
Meat transfer factor for Pa	89	0.00	89	0.00	3	0.87	3	0.01	
Milk transfer factor for Pa	15	0.45	27	0.01	68	0.22	68	0.00	
Fish transfer factor for Pa	28	0.37	14	0.01	62	-0.28	61	0.00	
Plant transfer factor for Ra	9	0.54	13	0.01	70	0.21	70	0.00	
Meat transfer factor for Ra	25	0.40	20	0.01	82	0.09	82	0.00	
Milk transfer factor for Ra	27	0.38	35	0.01	38	-0.52	37	0.00	
Fish transfer factor for Ra	56	-0.23	37	-0.01	7	0.82	7	0.01	
Plant transfer factor for Tc	1	1.00	1	1.00	1	1.00	1	1.00	
Meat transfer factor for Tc	41	-0.28	45	0.00	11	0.79	11	0.01	
Milk transfer factor for Tc	2	0.86	2	0.02	2	0.98	2	0.02	
Fish transfer factor for Tc	5	0.61	11	0.01	33	0.54	33	0.00	
Plant transfer factor for Th	23	0.41	32	0.01	26	0.63	26	0.00	
Meat transfer factor for Th	44	-0.27	46	0.00	84	0.07	84	0.00	
Milk transfer factor for Th	72	-0.11	77	0.00	14	0.76	14	0.01	
Fish transfer factor for Th	50	0.25	58	0.00	31	-0.57	31	0.00	
Plant transfer factor for U	43	-0.28	63	0.00	76	0.13	76	0.00	
Meat transfer factor for U	51	0.25	62	0.00	53	-0.37	52	0.00	
Milk transfer factor for U	12	0.48	23	0.01	22	0.67	22	0.00	
Fish transfer factor for U	26	0.39	42	0.01	34	-0.53	35	0.00	
Well pumping rate	42	-0.28	57	0.00	19	-0.71	18	0.00	
Mass loading for inhalation	65	0.18	71	0.00	63	-0.27	63	0.00	
Indoor dust filtration factor	88	0.00	88	0.00	52	0.37	53	0.00	
Depth of soil mixing layer	46	-0.27	61	0.00	23	0.66	23	0.00	
Depth of roots	10	0.54	26	0.01	60	-0.28	60	0.00	
Wet weight crop yield of fruit, grain and non-leafy vegetables	62	-0.19	69	0.00	86	-0.05	86	0.00	
Weathering removal constant of all vegetation	74	-0.11	75	0.00	80	0.12	80	0.00	
Wet foliar interception fraction of leafy vegetables	84	-0.04	84	0.00	47	0.43	47	0.00	

R-SQUARE 1.00 1.00 1.00 1.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.



Coefficients for peak Tc-99 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	
Kd of Ac-227 in Contaminated Zone	35	-0.34	18	-0.01	75	0.04	75	0.00	
Kd of Ac-227 in Unsaturated Zone 1	51	-0.22	48	0.00	18	-0.45	18	0.00	
Kd of Ac-227 in Saturated Zone	44	0.26	64	0.00	83	0.03	84	0.00	
Kd of Am-241 in Contaminated Zone	27	-0.44	32	-0.01	17	0.47	17	0.01	
Kd of Am-241 in Unsaturated Zone 1	30	-0.42	3	-0.03	5	0.61	4	0.01	
Kd of Am-241 in Saturated Zone	46	0.26	37	0.01	24	0.39	24	0.00	
Kd of Np-237 in Contaminated Zone	57	-0.19	56	0.00	52	0.19	55	0.00	
Kd of Np-237 in Unsaturated Zone 1	74	-0.11	76	0.00	46	0.25	46	0.00	
Kd of Np-237 in Saturated Zone	76	-0.10	65	0.00	45	-0.26	45	0.00	
Kd of Pa-231 in Contaminated Zone	73	0.12	73	0.00	50	0.21	50	0.00	
Kd of Pa-231 in Unsaturated Zone 1	24	0.46	23	0.01	33	-0.34	33	0.00	
Kd of Pa-231 in Saturated Zone	79	-0.08	81	0.00	49	0.21	49	0.00	
Kd of Pb-210 in Contaminated Zone	60	0.17	21	0.01	15	0.50	15	0.01	
Kd of Pb-210 in Unsaturated Zone 1	40	0.30	38	0.01	40	0.30	40	0.00	
Kd of Pb-210 in Saturated Zone	7	0.61	12	0.01	81	-0.03	81	0.00	
Kd of Pu-239 in Contaminated Zone	63	0.16	69	0.00	77	-0.04	77	0.00	
Kd of Pu-239 in Unsaturated Zone 1	42	0.30	29	0.01	36	0.33	37	0.00	
Kd of Pu-239 in Saturated Zone	61	-0.17	35	-0.01	56	-0.19	56	0.00	
Kd of Ra-226 in Contaminated Zone	25	-0.46	28	-0.01	23	0.41	23	0.00	
Kd of Ra-226 in Unsaturated Zone 1	37	0.33	36	0.01	48	0.23	48	0.00	
Kd of Ra-226 in Saturated Zone	78	0.08	51	0.00	34	-0.33	34	0.00	
Kd of Ra-228 in Contaminated Zone	34	0.36	4	0.02	47	-0.24	47	0.00	
Kd of Ra-228 in Unsaturated Zone 1	31	-0.40	34	-0.01	8	-0.55	9	-0.01	
Kd of Ra-228 in Saturated Zone	83	-0.05	84	0.00	21	-0.42	21	0.00	
Kd of Tc-99 in Saturated Zone	6	0.62	5	0.02	82	-0.03	82	0.00	
Kd of Th-228 in Contaminated Zone	64	0.16	71	0.00	19	0.44	19	0.00	
Kd of Th-228 in Unsaturated Zone 1	5	0.62	10	0.01	14	-0.51	14	-0.01	
Kd of Th-228 in Saturated Zone	11	0.60	14	0.01	25	0.38	26	0.00	
Kd of Th-229 in Contaminated Zone	52	0.22	55	0.00	39	-0.31	39	0.00	
Kd of Th-229 in Unsaturated Zone 1	47	0.25	61	0.00	16	-0.50	16	-0.01	
Kd of Th-229 in Saturated Zone	58	-0.19	16	-0.01	73	-0.05	73	0.00	
Kd of Th-230 in Contaminated Zone	10	0.60	6	0.02	61	-0.15	61	0.00	
Kd of Th-230 in Unsaturated Zone 1	65	0.15	52	0.00	58	-0.18	58	0.00	
Kd of Th-230 in Saturated Zone	72	0.12	43	0.00	62	0.15	62	0.00	
Kd of Th-232 in Contaminated Zone	43	0.27	50	0.00	27	0.38	28	0.00	
Kd of Th-232 in Unsaturated Zone 1	85	0.04	87	0.00	42	-0.28	42	0.00	
Kd of Th-232 in Saturated Zone	88	0.02	88	0.00	53	-0.19	52	0.00	
Kd of U-233 in Saturated Zone	56	-0.20	57	0.00	10	0.55	10	0.01	
Kd of U-234 in Saturated Zone	82	0.07	77	0.00	32	-0.35	31	0.00	
Kd of U-235 in Saturated Zone	39	-0.31	47	0.00	78	-0.04	78	0.00	
Kd of U-238 in Saturated Zone	87	0.03	80	0.00	87	0.02	87	0.00	
Plant transfer factor for Ac	89	-0.02	89	0.00	43	0.28	43	0.00	
Meat transfer factor for Ac	81	-0.07	82	0.00	70	0.08	70	0.00	
Milk transfer factor for Ac	77	0.09	78	0.00	86	-0.02	86	0.00	
Fish transfer factor for Ac	66	-0.15	66	0.00	76	0.04	76	0.00	
Plant transfer factor for Am	33	0.37	41	0.00	69	-0.08	69	0.00	
Meat transfer factor for Am	49	0.23	54	0.00	66	-0.12	65	0.00	
Milk transfer factor for Am	53	-0.21	63	0.00	54	0.19	53	0.00	
Fish transfer factor for Am	23	0.46	19	0.01	7	-0.55	6	-0.01	
Plant transfer factor for Pb	59	0.18	58	0.00	63	0.14	63	0.00	
Meat transfer factor for Pb	86	0.04	86	0.00	88	0.01	88	0.00	
Milk transfer factor for Pb	17	0.52	20	0.01	29	0.37	29	0.00	
Fish transfer factor for Pb	75	0.10	79	0.00	60	-0.17	60	0.00	
Plant transfer factor for Np	45	-0.26	40	-0.01	80	0.04	80	0.00	
Meat transfer factor for Np	80	-0.08	83	0.00	37	-0.32	36	0.00	
Milk transfer factor for Np	4	-0.71	7	-0.01	67	-0.10	67	0.00	
Fish transfer factor for Np	19	0.49	11	0.01	38	-0.31	38	0.00	
Plant transfer factor for Pu	20	0.49	17	0.01	35	0.33	35	0.00	
Meat transfer factor for Pu	16	0.52	27	0.01	89	0.01	89	0.00	
Milk transfer factor for Pu	15	-0.54	22	-0.01	68	0.09	68	0.00	
Fish transfer factor for Pu	55	-0.20	59	0.00	28	0.37	27	0.00	
Plant transfer factor for Pa	71	0.12	67	0.00	85	0.03	85	0.00	
Meat transfer factor for Pa	38	-0.31	53	0.00	12	-0.53	12	-0.01	
Milk transfer factor for Pa	28	0.42	42	0.00	64	-0.14	64	0.00	
Fish transfer factor for Pa	54	-0.21	60	0.00	57	0.19	57	0.00	
Plant transfer factor for Ra	14	0.57	26	0.01	31	-0.36	32	0.00	
Meat transfer factor for Ra	41	-0.30	45	0.00	6	-0.55	8	-0.01	
Milk transfer factor for Ra	22	0.47	33	0.01	51	0.20	51	0.00	
Fish transfer factor for Ra	70	0.13	75	0.00	30	-0.37	30	0.00	
Plant transfer factor for Tc	1	1.00	1	0.99	1	1.00	1	1.00	
Meat transfer factor for Tc	3	0.71	9	0.01	20	0.44	20	0.00	
Milk transfer factor for Tc	2	0.96	2	0.03	2	0.93	2	0.02	
Fish transfer factor for Tc	50	-0.23	49	0.00	22	-0.42	22	0.00	
Plant transfer factor for Th	36	0.34	39	0.01	74	-0.05	74	0.00	
Meat transfer factor for Th	21	0.48	24	0.01	65	-0.12	66	0.00	
Milk transfer factor for Th	69	-0.13	72	0.00	41	-0.30	41	0.00	
Fish transfer factor for Th	84	-0.04	85	0.00	13	0.53	13	0.01	
Plant transfer factor for U	9	0.61	13	0.01	4	-0.61	5	-0.01	
Meat transfer factor for U	48	-0.25	62	0.00	79	0.04	79	0.00	
Milk transfer factor for U	26	0.44	46	0.00	3	-0.64	3	-0.01	
Fish transfer factor for U	8	-0.61	8	-0.01	11	0.54	11	0.01	
Well pumping rate	13	0.57	15	0.01	26	0.38	25	0.00	
Mass loading for inhalation	12	0.58	30	0.01	55	-0.19	54	0.00	
Indoor dust filtration factor	62	0.16	70	0.00	84	0.03	83	0.00	
Depth of soil mixing layer	68	-0.14	74	0.00	44	0.27	44	0.00	
Depth of roots	67	-0.14	68	0.00	59	-0.18	59	0.00	
Wet weight crop yield of fruit, grain and non-leafy vegetables	18	0.50	25	0.01	72	-0.05	72	0.00	
Weathering removal constant of all vegetation	29	-0.42	31	-0.01	9	-0.55	7	-0.01	
Wet foliar interception fraction of leafy vegetables	32	-0.38	44	0.00	71	0.07	71	0.00	

R-SQUARE 1.00 1.00 1.00 1.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Tc-99 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Ac-227 in Contaminated Zone	48	-0.18	65	0.00	12	-0.44	12	0.00	
Kd of Ac-227 in Unsaturated Zone 1	59	-0.14	61	0.00	48	0.23	48	0.00	
Kd of Ac-227 in Saturated Zone	45	-0.21	43	0.00	4	0.55	4	0.01	
Kd of Am-241 in Contaminated Zone	62	-0.13	64	0.00	32	-0.33	32	0.00	
Kd of Am-241 in Unsaturated Zone 1	57	-0.15	2	-0.19	73	0.10	73	0.00	
Kd of Am-241 in Saturated Zone	66	-0.11	73	0.00	21	0.38	21	0.00	
Kd of Np-237 in Contaminated Zone	21	-0.36	35	-0.01	27	0.35	27	0.00	
Kd of Np-237 in Unsaturated Zone 1	15	-0.41	17	-0.01	40	0.28	40	0.00	
Kd of Np-237 in Saturated Zone	26	-0.33	24	-0.01	26	0.35	24	0.00	
Kd of Pa-231 in Contaminated Zone	22	0.36	32	0.01	74	-0.10	74	0.00	
Kd of Pa-231 in Unsaturated Zone 1	19	0.38	12	0.01	8	0.47	7	0.00	
Kd of Pa-231 in Saturated Zone	58	0.15	51	0.00	41	-0.27	42	0.00	
Kd of Pb-210 in Contaminated Zone	36	0.27	44	0.00	30	0.34	30	0.00	
Kd of Pb-210 in Unsaturated Zone 1	49	0.17	31	0.01	43	0.26	44	0.00	
Kd of Pb-210 in Saturated Zone	73	-0.08	72	0.00	76	0.08	77	0.00	
Kd of Pu-239 in Contaminated Zone	20	0.38	20	0.01	70	0.13	70	0.00	
Kd of Pu-239 in Unsaturated Zone 1	37	0.25	48	0.00	82	-0.06	82	0.00	
Kd of Pu-239 in Saturated Zone	40	0.23	45	0.00	57	0.19	56	0.00	
Kd of Ra-226 in Contaminated Zone	11	0.43	22	0.01	66	0.14	66	0.00	
Kd of Ra-226 in Unsaturated Zone 1	25	-0.35	27	-0.01	77	-0.08	76	0.00	
Kd of Ra-226 in Saturated Zone	64	0.13	60	0.00	22	-0.38	23	0.00	
Kd of Ra-228 in Contaminated Zone	7	-0.50	15	-0.01	38	0.30	38	0.00	
Kd of Ra-228 in Unsaturated Zone 1	27	0.32	14	0.01	75	0.10	75	0.00	
Kd of Ra-228 in Saturated Zone	38	-0.24	46	0.00	62	0.17	62	0.00	
Kd of Tc-99 in Saturated Zone	56	-0.15	68	0.00	55	-0.20	55	0.00	
Kd of Th-228 in Contaminated Zone	30	0.32	34	0.01	71	0.12	71	0.00	
Kd of Th-228 in Unsaturated Zone 1	31	0.32	9	0.01	45	0.26	43	0.00	
Kd of Th-228 in Saturated Zone	63	0.13	67	0.00	46	0.24	46	0.00	
Kd of Th-229 in Contaminated Zone	41	-0.22	52	0.00	61	-0.18	61	0.00	
Kd of Th-229 in Unsaturated Zone 1	54	0.16	59	0.00	36	0.32	34	0.00	
Kd of Th-229 in Saturated Zone	61	-0.14	56	0.00	19	-0.39	18	0.00	
Kd of Th-230 in Contaminated Zone	69	-0.09	70	0.00	56	0.20	57	0.00	
Kd of Th-230 in Unsaturated Zone 1	80	-0.04	80	0.00	11	0.44	11	0.00	
Kd of Th-230 in Saturated Zone	74	0.08	58	0.00	79	0.08	79	0.00	
Kd of Th-232 in Contaminated Zone	77	0.07	71	0.00	5	0.51	5	0.01	
Kd of Th-232 in Unsaturated Zone 1	60	0.14	3	0.17	59	0.18	59	0.00	
Kd of Th-232 in Saturated Zone	70	0.09	76	0.00	49	-0.22	49	0.00	
Kd of U-233 in Saturated Zone	10	0.45	19	0.01	31	0.33	31	0.00	
Kd of U-234 in Saturated Zone	53	0.16	49	0.00	13	-0.42	13	0.00	
Kd of U-235 in Saturated Zone	89	0.00	89	0.00	64	0.15	64	0.00	
Kd of U-238 in Saturated Zone	52	-0.17	33	-0.01	52	-0.20	53	0.00	
Plant transfer factor for Ac	72	-0.08	63	0.00	28	-0.35	28	0.00	
Meat transfer factor for Ac	4	0.51	11	0.01	81	0.07	81	0.00	
Milk transfer factor for Ac	76	-0.07	77	0.00	16	0.40	16	0.00	
Fish transfer factor for Ac	32	-0.31	21	-0.01	50	0.22	50	0.00	
Plant transfer factor for Am	35	-0.27	40	0.00	20	0.38	20	0.00	
Meat transfer factor for Am	13	-0.41	13	-0.01	14	0.41	14	0.00	
Milk transfer factor for Am	9	-0.46	8	-0.01	37	0.31	37	0.00	
Fish transfer factor for Am	75	0.07	74	0.00	18	-0.39	19	0.00	
Plant transfer factor for Pb	6	0.51	5	0.02	89	0.01	89	0.00	
Meat transfer factor for Pb	29	0.32	28	0.01	53	0.20	52	0.00	
Milk transfer factor for Pb	84	0.03	85	0.00	10	-0.46	9	0.00	
Fish transfer factor for Pb	23	0.36	38	0.01	68	0.13	68	0.00	
Plant transfer factor for Np	39	-0.23	50	0.00	47	-0.23	47	0.00	
Meat transfer factor for Np	81	-0.03	84	0.00	63	-0.15	63	0.00	
Milk transfer factor for Np	65	-0.11	54	0.00	69	-0.13	69	0.00	
Fish transfer factor for Np	71	-0.09	62	0.00	17	0.40	17	0.00	
Plant transfer factor for Pu	79	-0.05	79	0.00	86	-0.05	86	0.00	
Meat transfer factor for Pu	16	-0.39	30	-0.01	6	0.49	6	0.01	
Milk transfer factor for Pu	88	-0.01	88	0.00	65	-0.15	65	0.00	
Fish transfer factor for Pu	44	-0.21	57	0.00	44	-0.26	45	0.00	
Plant transfer factor for Pa	47	-0.19	55	0.00	84	-0.05	84	0.00	
Meat transfer factor for Pa	51	0.17	41	0.00	35	-0.32	36	0.00	
Milk transfer factor for Pa	85	-0.02	83	0.00	34	0.32	33	0.00	
Fish transfer factor for Pa	28	-0.32	36	-0.01	88	0.02	88	0.00	
Plant transfer factor for Ra	8	-0.48	7	-0.02	9	-0.47	10	0.00	
Meat transfer factor for Ra	78	-0.05	78	0.00	3	0.73	3	0.01	
Milk transfer factor for Ra	86	0.01	86	0.00	83	-0.05	83	0.00	
Fish transfer factor for Ra	5	0.51	25	0.01	85	-0.05	85	0.00	
Plant transfer factor for Tc	1	1.00	1	1.00	1	1.00	1	1.00	
Meat transfer factor for Tc	43	-0.21	42	0.00	58	0.19	58	0.00	
Milk transfer factor for Tc	2	0.86	4	0.03	2	0.90	2	0.02	
Fish transfer factor for Tc	34	-0.27	29	-0.01	23	-0.38	22	0.00	
Plant transfer factor for Th	87	-0.01	87	0.00	15	0.41	15	0.00	
Meat transfer factor for Th	14	0.41	6	0.02	67	-0.13	67	0.00	
Milk transfer factor for Th	67	-0.11	69	0.00	54	0.20	54	0.00	
Fish transfer factor for Th	55	0.16	66	0.00	42	-0.26	41	0.00	
Plant transfer factor for U	82	-0.03	81	0.00	29	0.34	29	0.00	
Meat transfer factor for U	42	0.22	39	0.01	7	-0.48	8	0.00	
Milk transfer factor for U	46	0.20	47	0.00	60	-0.18	60	0.00	
Fish transfer factor for U	83	-0.03	82	0.00	51	0.21	51	0.00	
Well pumping rate	33	-0.29	37	-0.01	80	-0.08	80	0.00	
Mass loading for inhalation	17	0.39	18	0.01	78	0.08	78	0.00	
Indoor dust filtration factor	50	0.17	53	0.00	24	-0.36	25	0.00	
Depth of soil mixing layer	24	-0.35	26	-0.01	33	0.32	35	0.00	
Depth of roots	12	0.43	23	0.01	39	0.29	39	0.00	
Wet weight crop yield of fruit, grain and non-leafy vegetables	3	-0.54	10	-0.01	72	0.10	72	0.00	
Weathering removal constant of all vegetation	18	-0.39	16	-0.01	25	-0.35	26	0.00	
Wet foliar interception fraction of leafy vegetables	68	-0.10	75	0.00	87	0.04	87	0.00	
R-SQUARE		1.00		1.00		1.00		1.00	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Th-228 Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	10	-0.51	25	-0.01	56	0.12	56	0.01
Kd of Ac-227 in Unsaturated Zone 1	22	-0.41	32	-0.01	78	0.05	78	0.00
Kd of Ac-227 in Saturated Zone	42	-0.25	41	0.00	14	-0.39	14	-0.02
Kd of Am-241 in Contaminated Zone	49	-0.22	49	0.00	81	0.04	81	0.00
Kd of Am-241 in Unsaturated Zone 1	26	-0.38	13	-0.01	30	0.27	31	0.02
Kd of Am-241 in Saturated Zone	14	-0.45	4	-0.03	64	-0.09	64	-0.01
Kd of Np-237 in Contaminated Zone	25	0.39	11	0.01	58	-0.11	59	-0.01
Kd of Np-237 in Unsaturated Zone 1	41	0.26	29	0.01	70	-0.08	69	0.00
Kd of Np-237 in Saturated Zone	38	-0.27	42	0.00	88	0.00	88	0.00
Kd of Pa-231 in Contaminated Zone	88	-0.01	88	0.00	53	0.14	53	0.01
Kd of Pa-231 in Unsaturated Zone 1	13	0.46	5	0.03	55	-0.12	55	-0.01
Kd of Pa-231 in Saturated Zone	55	-0.18	56	0.00	75	-0.06	75	0.00
Kd of Pb-210 in Contaminated Zone	8	-0.61	12	-0.01	34	-0.25	34	-0.02
Kd of Pb-210 in Unsaturated Zone 1	84	0.02	78	0.00	61	-0.10	61	-0.01
Kd of Pb-210 in Saturated Zone	48	-0.22	35	0.00	74	-0.07	74	0.00
Kd of Pu-239 in Contaminated Zone	9	0.55	8	0.01	29	-0.27	30	-0.02
Kd of Pu-239 in Unsaturated Zone 1	72	-0.06	68	0.00	24	0.32	24	0.02
Kd of Pu-239 in Saturated Zone	85	0.02	85	0.00	15	0.38	15	0.02
Kd of Ra-226 in Contaminated Zone	60	-0.15	50	0.00	22	0.34	22	0.02
Kd of Ra-226 in Unsaturated Zone 1	20	0.43	19	0.01	83	-0.04	83	0.00
Kd of Ra-226 in Saturated Zone	79	0.04	77	0.00	7	-0.49	7	-0.03
Kd of Ra-228 in Contaminated Zone	18	-0.44	9	-0.01	68	0.08	68	0.00
Kd of Ra-228 in Unsaturated Zone 1	80	-0.04	84	0.00	51	0.15	51	0.01
Kd of Ra-228 in Saturated Zone	19	0.44	18	0.01	37	0.23	37	0.01
Kd of Tc-99 in Saturated Zone	15	-0.45	24	-0.01	31	0.27	29	0.02
Kd of Th-228 in Contaminated Zone	67	-0.12	71	0.00	3	0.71	3	0.06
Kd of Th-228 in Unsaturated Zone 1	30	0.33	16	0.01	26	-0.29	26	-0.02
Kd of Th-228 in Saturated Zone	33	0.29	21	0.01	41	-0.19	41	-0.01
Kd of Th-229 in Contaminated Zone	39	0.27	53	0.00	80	-0.04	80	0.00
Kd of Th-229 in Unsaturated Zone 1	62	0.15	38	0.00	84	0.03	84	0.00
Kd of Th-229 in Saturated Zone	3	-0.98	3	-0.05	16	-0.37	16	-0.02
Kd of Th-230 in Contaminated Zone	27	-0.35	27	-0.01	12	0.41	13	0.03
Kd of Th-230 in Unsaturated Zone 1	28	0.35	20	0.01	63	0.09	63	0.01
Kd of Th-230 in Saturated Zone	44	0.23	47	0.00	33	0.25	33	0.02
Kd of Th-232 in Contaminated Zone	34	-0.29	39	0.00	28	-0.28	28	-0.02
Kd of Th-232 in Unsaturated Zone 1	29	-0.34	23	-0.01	6	-0.51	6	-0.04
Kd of Th-232 in Saturated Zone	81	-0.04	80	0.00	87	-0.01	87	0.00
Kd of U-233 in Saturated Zone	51	0.19	55	0.00	27	-0.29	27	-0.02
Kd of U-234 in Saturated Zone	54	-0.18	22	-0.01	76	0.05	76	0.00
Kd of U-235 in Saturated Zone	17	-0.44	15	-0.01	49	-0.16	50	-0.01
Kd of U-238 in Saturated Zone	11	0.50	17	0.01	72	-0.07	72	0.00
Plant transfer factor for Ac	57	0.18	60	0.00	54	0.12	54	0.01
Meat transfer factor for Ac	12	-0.47	28	-0.01	48	0.16	48	0.01
Milk transfer factor for Ac	7	0.62	10	0.01	38	0.22	38	0.01
Fish transfer factor for Ac	87	0.01	87	0.00	36	-0.24	36	-0.01
Plant transfer factor for Am	68	-0.09	70	0.00	32	0.26	32	0.02
Meat transfer factor for Am	83	-0.03	79	0.00	62	-0.09	62	-0.01
Milk transfer factor for Am	21	0.41	26	0.01	35	0.25	35	0.01
Fish transfer factor for Am	76	-0.05	74	0.00	44	0.18	44	0.01
Plant transfer factor for Pb	71	0.06	67	0.00	60	-0.11	60	-0.01
Meat transfer factor for Pb	16	0.45	33	0.01	45	0.18	46	0.01
Milk transfer factor for Pb	74	-0.06	73	0.00	20	-0.35	20	-0.02
Fish transfer factor for Pb	69	-0.08	69	0.00	9	0.45	10	0.03
Plant transfer factor for Np	43	-0.24	52	0.00	50	-0.15	49	-0.01
Meat transfer factor for Np	59	-0.16	63	0.00	89	0.00	89	0.00
Milk transfer factor for Np	53	0.19	58	0.00	69	-0.08	70	0.00
Fish transfer factor for Np	45	-0.23	30	-0.01	71	0.07	71	0.00
Plant transfer factor for Pu	37	0.27	51	0.00	39	0.22	39	0.01
Meat transfer factor for Pu	78	0.05	81	0.00	25	0.30	25	0.02
Milk transfer factor for Pu	86	-0.02	86	0.00	57	0.12	57	0.01
Fish transfer factor for Pu	61	0.15	66	0.00	73	0.07	73	0.00
Plant transfer factor for Pa	46	-0.23	45	0.00	10	-0.45	9	-0.03
Meat transfer factor for Pa	89	0.00	89	0.00	77	0.05	77	0.00
Milk transfer factor for Pa	70	-0.07	72	0.00	66	-0.08	66	0.00
Fish transfer factor for Pa	58	-0.16	46	0.00	79	-0.05	79	0.00
Plant transfer factor for Ra	23	-0.40	31	-0.01	23	0.33	23	0.02
Meat transfer factor for Ra	65	0.14	57	0.00	21	-0.34	21	-0.02
Milk transfer factor for Ra	31	-0.32	37	0.00	43	0.19	43	0.01
Fish transfer factor for Ra	47	-0.23	34	0.00	52	-0.15	52	-0.01
Plant transfer factor for Tc	63	0.14	62	0.00	8	0.46	8	0.03
Meat transfer factor for Tc	82	-0.03	83	0.00	59	-0.11	58	-0.01
Milk transfer factor for Tc	73	0.06	75	0.00	82	0.04	82	0.00
Fish transfer factor for Tc	56	-0.18	61	0.00	67	0.08	67	0.00
Plant transfer factor for Th	1	1.00	1	0.99	1	1.00	1	0.98
Meat transfer factor for Th	2	0.98	2	0.07	2	0.86	2	0.10
Milk transfer factor for Th	5	0.81	7	0.01	18	0.36	19	0.02
Fish transfer factor for Th	35	-0.28	44	0.00	47	0.17	45	0.01
Plant transfer factor for U	77	0.05	82	0.00	17	0.37	17	0.02
Meat transfer factor for U	24	-0.40	36	0.00	42	0.19	42	0.01
Milk transfer factor for U	36	-0.28	48	0.00	19	0.36	18	0.02
Fish transfer factor for U	64	-0.14	64	0.00	46	-0.18	47	-0.01
Well pumping rate	66	0.13	65	0.00	13	-0.41	12	-0.03
Mass loading for inhalation	4	0.88	6	0.02	5	0.56	5	0.04
Indoor dust filtration factor	6	0.73	14	0.01	4	0.65	4	0.05
Depth of soil mixing layer	32	0.30	43	0.00	40	0.19	40	0.01
Depth of roots	40	-0.27	54	0.00	11	-0.43	11	-0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	52	0.19	59	0.00	85	0.01	85	0.00
Weathering removal constant of all vegetation	75	-0.05	76	0.00	86	0.01	86	0.00
Wet foliar interception fraction of leafy vegetables	50	-0.22	40	0.00	65	-0.08	65	0.00

R-SQUARE 1.00 1.00 1.00 1.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Th-228 Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	40	0.14	27	0.01	65	-0.19	65	-0.01
Kd of Ac-227 in Unsaturated Zone 1	54	0.10	44	0.00	37	0.34	38	0.01
Kd of Ac-227 in Saturated Zone	89	0.00	89	0.00	88	0.00	88	0.00
Kd of Am-241 in Contaminated Zone	52	0.10	57	0.00	41	0.29	41	0.01
Kd of Am-241 in Unsaturated Zone 1	66	-0.07	19	-0.01	61	0.21	59	0.01
Kd of Am-241 in Saturated Zone	51	0.10	37	0.00	51	-0.24	52	-0.01
Kd of Np-237 in Contaminated Zone	44	-0.12	41	0.00	5	-0.62	5	-0.02
Kd of Np-237 in Unsaturated Zone 1	19	0.26	25	0.01	57	-0.22	56	-0.01
Kd of Np-237 in Saturated Zone	79	-0.04	66	0.00	75	-0.09	76	0.00
Kd of Pa-231 in Contaminated Zone	74	-0.04	79	0.00	21	0.44	21	0.01
Kd of Pa-231 in Unsaturated Zone 1	48	0.11	49	0.00	53	0.23	53	0.01
Kd of Pa-231 in Saturated Zone	47	-0.12	50	0.00	64	0.20	64	0.01
Kd of Pb-210 in Contaminated Zone	5	-0.45	4	-0.03	89	0.00	89	0.00
Kd of Pb-210 in Unsaturated Zone 1	64	-0.07	60	0.00	7	0.55	7	0.02
Kd of Pb-210 in Saturated Zone	16	-0.28	23	-0.01	14	-0.51	13	-0.02
Kd of Pu-239 in Contaminated Zone	23	-0.22	28	0.00	49	0.25	49	0.01
Kd of Pu-239 in Unsaturated Zone 1	63	0.07	52	0.00	23	-0.42	25	-0.01
Kd of Pu-239 in Saturated Zone	86	0.02	74	0.00	34	0.35	35	0.01
Kd of Ra-226 in Contaminated Zone	27	0.18	36	0.00	58	-0.22	57	-0.01
Kd of Ra-226 in Unsaturated Zone 1	61	-0.08	59	0.00	39	-0.32	39	-0.01
Kd of Ra-226 in Saturated Zone	15	0.30	6	0.02	13	0.51	14	0.02
Kd of Ra-228 in Contaminated Zone	32	0.16	8	0.02	31	-0.39	31	-0.01
Kd of Ra-228 in Unsaturated Zone 1	20	0.26	22	0.01	50	0.24	50	0.01
Kd of Ra-228 in Saturated Zone	84	0.03	81	0.00	17	-0.47	17	-0.02
Kd of Tc-99 in Saturated Zone	29	0.17	20	0.01	27	0.40	28	0.01
Kd of Th-228 in Contaminated Zone	77	0.04	83	0.00	6	0.59	6	0.02
Kd of Th-228 in Unsaturated Zone 1	67	0.07	65	0.00	24	-0.42	23	-0.01
Kd of Th-228 in Saturated Zone	70	0.06	68	0.00	77	0.07	78	0.00
Kd of Th-229 in Contaminated Zone	73	-0.05	73	0.00	16	0.48	16	0.02
Kd of Th-229 in Unsaturated Zone 1	31	-0.17	46	0.00	15	-0.49	15	-0.02
Kd of Th-229 in Saturated Zone	6	0.43	3	0.04	11	-0.51	12	-0.02
Kd of Th-230 in Contaminated Zone	28	0.18	18	0.01	79	0.07	79	0.00
Kd of Th-230 in Unsaturated Zone 1	21	-0.26	14	-0.01	59	0.22	60	0.01
Kd of Th-230 in Saturated Zone	10	-0.40	5	-0.03	84	-0.04	84	0.00
Kd of Th-232 in Contaminated Zone	58	-0.09	56	0.00	60	0.21	61	0.01
Kd of Th-232 in Unsaturated Zone 1	36	-0.15	53	0.00	73	0.12	73	0.00
Kd of Th-232 in Saturated Zone	88	0.00	88	0.00	82	-0.05	82	0.00
Kd of U-233 in Saturated Zone	50	0.11	45	0.00	52	-0.24	51	-0.01
Kd of U-234 in Saturated Zone	12	-0.35	12	-0.01	35	-0.35	34	-0.01
Kd of U-235 in Saturated Zone	30	0.17	34	0.00	56	0.22	58	0.01
Kd of U-238 in Saturated Zone	62	0.08	26	0.01	42	-0.28	42	-0.01
Plant transfer factor for Ac	53	0.10	58	0.00	28	-0.40	27	-0.01
Meat transfer factor for Ac	38	0.14	39	0.00	29	0.40	29	0.01
Milk transfer factor for Ac	46	-0.12	48	0.00	22	-0.43	22	-0.01
Fish transfer factor for Ac	80	-0.03	80	0.00	32	0.37	32	0.01
Plant transfer factor for Am	25	-0.22	29	0.00	45	0.26	44	0.01
Meat transfer factor for Am	7	-0.43	11	-0.01	74	-0.09	74	0.00
Milk transfer factor for Am	57	-0.09	64	0.00	68	-0.18	66	-0.01
Fish transfer factor for Am	56	-0.09	55	0.00	71	0.14	71	0.00
Plant transfer factor for Pb	82	-0.03	77	0.00	81	-0.06	81	0.00
Meat transfer factor for Pb	55	0.10	62	0.00	30	0.39	30	0.01
Milk transfer factor for Pb	69	-0.06	71	0.00	54	0.22	54	0.01
Fish transfer factor for Pb	22	0.24	30	0.00	40	-0.29	40	-0.01
Plant transfer factor for Np	75	-0.04	67	0.00	12	0.51	10	0.02
Meat transfer factor for Np	83	0.03	85	0.00	19	0.45	19	0.02
Milk transfer factor for Np	11	0.38	16	0.01	48	0.25	47	0.01
Fish transfer factor for Np	45	0.12	38	0.00	69	0.18	69	0.01
Plant transfer factor for Pu	81	-0.03	82	0.00	85	0.04	85	0.00
Meat transfer factor for Pu	24	-0.22	32	0.00	70	0.16	70	0.00
Milk transfer factor for Pu	39	0.14	51	0.00	55	0.22	55	0.01
Fish transfer factor for Pu	14	-0.33	17	-0.01	80	0.07	80	0.00
Plant transfer factor for Pa	13	-0.34	13	-0.01	78	0.07	77	0.00
Meat transfer factor for Pa	68	-0.06	75	0.00	10	0.51	11	0.02
Milk transfer factor for Pa	49	-0.11	61	0.00	46	0.26	46	0.01
Fish transfer factor for Pa	35	0.15	43	0.00	9	-0.52	9	-0.02
Plant transfer factor for Ra	34	0.15	54	0.00	43	0.26	43	0.01
Meat transfer factor for Ra	37	-0.14	40	0.00	62	-0.21	62	-0.01
Milk transfer factor for Ra	26	-0.20	35	0.00	44	0.26	45	0.01
Fish transfer factor for Ra	87	0.02	87	0.00	76	-0.09	75	0.00
Plant transfer factor for Tc	42	-0.13	33	0.00	18	0.46	18	0.02
Meat transfer factor for Tc	9	-0.41	15	-0.01	72	0.13	72	0.00
Milk transfer factor for Tc	78	0.04	84	0.00	83	0.05	83	0.00
Fish transfer factor for Tc	33	-0.15	31	0.00	66	-0.18	67	-0.01
Plant transfer factor for Th	1	1.00	1	1.00	1	1.00	1	0.99
Meat transfer factor for Th	2	0.94	2	0.05	2	0.94	2	0.08
Milk transfer factor for Th	41	0.14	42	0.00	38	0.33	37	0.01
Fish transfer factor for Th	59	-0.09	63	0.00	33	0.36	33	0.01
Plant transfer factor for U	71	0.06	70	0.00	67	0.18	68	0.01
Meat transfer factor for U	72	0.06	78	0.00	20	0.44	20	0.02
Milk transfer factor for U	60	-0.08	72	0.00	25	0.42	24	0.01
Fish transfer factor for U	8	0.43	9	0.01	87	0.03	87	0.00
Well pumping rate	17	0.27	21	0.01	26	0.40	26	0.01
Mass loading for inhalation	3	0.73	7	0.02	3	0.80	3	0.04
Indoor dust filtration factor	4	0.49	10	0.01	4	0.72	4	0.03
Depth of soil mixing layer	85	0.02	86	0.00	86	0.04	86	0.00
Depth of roots	76	0.04	76	0.00	36	0.34	36	0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	65	0.07	69	0.00	47	0.25	48	0.01
Weathering removal constant of all vegetation	43	-0.12	47	0.00	8	0.54	8	0.02
Wet foliar interception fraction of leafy vegetables	18	0.26	24	0.01	63	-0.21	63	-0.01

R-SQUARE 1.00 1.00 1.00 1.00

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Coefficients for peak Th-228 Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	81	-0.05	85	0.00	12	0.43	12	0.02
Kd of Ac-227 in Unsaturated Zone 1	48	0.17	53	0.00	58	0.10	58	0.00
Kd of Ac-227 in Saturated Zone	78	-0.06	75	0.00	11	-0.44	11	-0.02
Kd of Am-241 in Contaminated Zone	18	0.33	18	0.01	10	-0.45	10	-0.02
Kd of Am-241 in Unsaturated Zone 1	19	-0.32	3	-0.40	60	0.10	60	0.00
Kd of Am-241 in Saturated Zone	53	-0.16	64	0.00	36	-0.23	35	-0.01
Kd of Np-237 in Contaminated Zone	21	0.30	40	0.00	84	0.04	84	0.00
Kd of Np-237 in Unsaturated Zone 1	42	0.20	41	0.00	66	0.08	66	0.00
Kd of Np-237 in Saturated Zone	73	-0.08	72	0.00	54	-0.12	53	0.00
Kd of Pa-231 in Contaminated Zone	26	-0.28	39	0.00	53	-0.12	54	0.00
Kd of Pa-231 in Unsaturated Zone 1	43	-0.19	29	-0.01	50	0.13	50	0.00
Kd of Pa-231 in Saturated Zone	10	0.38	13	0.01	64	0.09	64	0.00
Kd of Pb-210 in Contaminated Zone	32	-0.25	44	0.00	48	-0.14	48	-0.01
Kd of Pb-210 in Unsaturated Zone 1	64	0.12	43	0.00	35	0.24	34	0.01
Kd of Pb-210 in Saturated Zone	38	-0.24	32	0.00	75	0.06	75	0.00
Kd of Pu-239 in Contaminated Zone	30	-0.26	22	-0.01	32	-0.25	33	-0.01
Kd of Pu-239 in Unsaturated Zone 1	74	-0.07	79	0.00	59	0.10	59	0.00
Kd of Pu-239 in Saturated Zone	67	0.10	68	0.00	15	0.35	15	0.01
Kd of Ra-226 in Contaminated Zone	87	-0.03	87	0.00	22	0.30	22	0.01
Kd of Ra-226 in Unsaturated Zone 1	11	-0.37	16	-0.01	24	0.26	25	0.01
Kd of Ra-226 in Saturated Zone	27	0.27	23	0.01	21	-0.32	21	-0.01
Kd of Ra-228 in Contaminated Zone	83	-0.05	83	0.00	82	0.04	82	0.00
Kd of Ra-228 in Unsaturated Zone 1	14	-0.35	9	-0.01	74	0.07	74	0.00
Kd of Ra-228 in Saturated Zone	84	-0.04	84	0.00	85	-0.03	85	0.00
Kd of Tc-99 in Saturated Zone	50	-0.17	62	0.00	34	-0.24	36	-0.01
Kd of Th-228 in Contaminated Zone	22	-0.29	30	-0.01	46	-0.16	46	-0.01
Kd of Th-228 in Unsaturated Zone 1	20	-0.32	8	-0.01	49	-0.13	49	0.00
Kd of Th-228 in Saturated Zone	61	0.15	61	0.00	27	0.26	26	0.01
Kd of Th-229 in Contaminated Zone	51	0.17	59	0.00	83	0.04	83	0.00
Kd of Th-229 in Unsaturated Zone 1	3	-0.73	5	-0.02	13	-0.41	13	-0.02
Kd of Th-229 in Saturated Zone	70	0.09	66	0.00	87	0.01	87	0.00
Kd of Th-230 in Contaminated Zone	31	0.26	31	0.00	51	0.12	51	0.00
Kd of Th-230 in Unsaturated Zone 1	36	-0.25	49	0.00	6	0.53	6	0.02
Kd of Th-230 in Saturated Zone	86	-0.03	76	0.00	43	-0.18	43	-0.01
Kd of Th-232 in Contaminated Zone	82	-0.05	77	0.00	65	0.08	65	0.00
Kd of Th-232 in Unsaturated Zone 1	17	0.33	2	0.40	18	-0.33	17	-0.01
Kd of Th-232 in Saturated Zone	65	-0.12	73	0.00	37	-0.22	38	-0.01
Kd of U-233 in Saturated Zone	41	0.20	47	0.00	77	-0.06	77	0.00
Kd of U-234 in Saturated Zone	49	-0.17	45	0.00	44	-0.18	44	-0.01
Kd of U-235 in Saturated Zone	54	-0.16	27	-0.01	73	0.07	73	0.00
Kd of U-238 in Saturated Zone	88	0.02	86	0.00	78	0.05	78	0.00
Plant transfer factor for Ac	80	-0.06	74	0.00	55	0.12	55	0.00
Meat transfer factor for Ac	8	-0.42	15	-0.01	25	-0.26	27	-0.01
Milk transfer factor for Ac	77	0.06	82	0.00	7	0.51	7	0.02
Fish transfer factor for Ac	69	-0.09	60	0.00	62	-0.09	62	0.00
Plant transfer factor for Am	44	0.19	52	0.00	45	0.16	45	0.01
Meat transfer factor for Am	7	0.42	11	0.01	89	0.00	89	0.00
Milk transfer factor for Am	72	0.08	67	0.00	80	0.05	80	0.00
Fish transfer factor for Am	79	0.06	81	0.00	9	-0.49	9	-0.02
Plant transfer factor for Pb	59	-0.15	34	0.00	28	0.25	28	0.01
Meat transfer factor for Pb	35	-0.25	28	-0.01	38	0.22	37	0.01
Milk transfer factor for Pb	52	-0.16	55	0.00	72	-0.07	72	0.00
Fish transfer factor for Pb	71	-0.08	80	0.00	69	0.08	68	0.00
Plant transfer factor for Np	76	-0.06	78	0.00	23	0.27	23	0.01
Meat transfer factor for Np	62	-0.13	65	0.00	61	-0.09	61	0.00
Milk transfer factor for Np	57	0.16	37	0.00	71	-0.07	71	0.00
Fish transfer factor for Np	16	0.33	14	0.01	52	0.12	52	0.00
Plant transfer factor for Pu	45	0.18	54	0.00	42	-0.18	42	-0.01
Meat transfer factor for Pu	55	-0.16	63	0.00	47	-0.15	47	-0.01
Milk transfer factor for Pu	15	-0.34	17	-0.01	19	0.33	19	0.01
Fish transfer factor for Pu	29	0.27	50	0.00	79	-0.05	79	0.00
Plant transfer factor for Pa	47	0.17	56	0.00	31	-0.25	32	-0.01
Meat transfer factor for Pa	75	-0.07	69	0.00	70	-0.07	70	0.00
Milk transfer factor for Pa	12	0.37	12	0.01	14	-0.36	14	-0.01
Fish transfer factor for Pa	4	-0.61	7	-0.01	63	-0.09	63	0.00
Plant transfer factor for Ra	60	0.15	46	0.00	16	0.34	16	0.01
Meat transfer factor for Ra	46	-0.17	51	0.00	39	-0.22	39	-0.01
Milk transfer factor for Ra	28	-0.27	36	0.00	76	0.06	76	0.00
Fish transfer factor for Ra	85	0.04	88	0.00	67	-0.08	67	0.00
Plant transfer factor for Tc	34	0.25	35	0.00	26	-0.26	24	-0.01
Meat transfer factor for Tc	33	-0.25	24	-0.01	3	0.68	3	0.03
Milk transfer factor for Tc	25	0.28	33	0.00	56	-0.11	56	0.00
Fish transfer factor for Tc	58	0.16	48	0.00	20	0.33	20	0.01
Plant transfer factor for Th	1	1.00	1	1.00	1	1.00	1	0.99
Meat transfer factor for Th	2	0.89	4	0.07	2	0.88	2	0.07
Milk transfer factor for Th	39	0.22	42	0.00	5	0.55	5	0.02
Fish transfer factor for Th	9	-0.39	21	-0.01	33	-0.24	29	-0.01
Plant transfer factor for U	56	0.16	57	0.00	40	0.22	40	0.01
Meat transfer factor for U	40	0.21	38	0.00	88	0.00	88	0.00
Milk transfer factor for U	24	-0.29	19	-0.01	41	0.20	41	0.01
Fish transfer factor for U	37	0.25	26	0.01	17	-0.34	18	-0.01
Well pumping rate	13	0.36	20	0.01	30	0.25	30	0.01
Mass loading for inhalation	6	0.47	10	0.01	4	0.65	4	0.03
Indoor dust filtration factor	5	0.60	6	0.02	8	0.51	8	0.02
Depth of soil mixing layer	23	0.29	25	0.01	86	0.01	86	0.00
Depth of roots	68	0.10	70	0.00	29	0.25	31	0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	89	0.00	89	0.00	57	-0.10	57	0.00
Weathering removal constant of all vegetation	66	-0.11	58	0.00	81	0.04	81	0.00
Wet foliar interception fraction of leafy vegetables	63	-0.13	71	0.00	68	0.08	69	0.00

R-SQUARE 1.00 1.00 1.00 1.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
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Coefficients for peak Th-232 Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	85	-0.06	85	0.00	60	-0.10	60	-0.01
Kd of Ac-227 in Unsaturated Zone 1	39	0.38	43	0.01	83	0.03	83	0.00
Kd of Ac-227 in Saturated Zone	70	0.15	68	0.00	46	-0.17	46	-0.01
Kd of Am-241 in Contaminated Zone	45	-0.33	42	-0.01	54	-0.13	55	-0.01
Kd of Am-241 in Unsaturated Zone 1	11	0.62	6	0.04	27	-0.29	28	-0.02
Kd of Am-241 in Saturated Zone	84	0.08	46	0.01	21	-0.34	21	-0.02
Kd of Np-237 in Contaminated Zone	53	0.21	34	0.01	69	-0.07	70	0.00
Kd of Np-237 in Unsaturated Zone 1	4	-0.76	5	-0.04	68	-0.07	68	0.00
Kd of Np-237 in Saturated Zone	74	-0.14	74	0.00	15	0.36	15	0.02
Kd of Pa-231 in Contaminated Zone	87	0.04	86	0.00	8	0.48	8	0.03
Kd of Pa-231 in Unsaturated Zone 1	61	-0.17	24	-0.02	35	0.23	34	0.01
Kd of Pa-231 in Saturated Zone	63	-0.16	70	0.00	70	-0.07	71	0.00
Kd of Pb-210 in Contaminated Zone	15	0.60	18	0.02	72	0.07	72	0.00
Kd of Pb-210 in Unsaturated Zone 1	21	-0.56	9	-0.03	19	0.36	18	0.02
Kd of Pb-210 in Saturated Zone	30	-0.46	22	-0.02	6	0.52	6	0.03
Kd of Pu-239 in Contaminated Zone	82	0.10	71	0.00	80	-0.04	80	0.00
Kd of Pu-239 in Unsaturated Zone 1	27	-0.48	25	-0.01	53	-0.14	53	-0.01
Kd of Pu-239 in Saturated Zone	60	0.18	61	0.00	58	0.11	58	0.01
Kd of Ra-226 in Contaminated Zone	67	0.15	55	0.01	89	-0.01	89	0.00
Kd of Ra-226 in Unsaturated Zone 1	18	0.59	17	0.02	14	0.41	14	0.02
Kd of Ra-226 in Saturated Zone	33	-0.43	27	-0.01	86	0.02	86	0.00
Kd of Ra-228 in Contaminated Zone	80	-0.11	56	-0.01	88	-0.01	88	0.00
Kd of Ra-228 in Unsaturated Zone 1	35	0.42	41	0.01	24	-0.31	24	-0.02
Kd of Ra-228 in Saturated Zone	40	-0.37	30	-0.01	34	-0.24	35	-0.01
Kd of Tc-99 in Saturated Zone	75	0.14	75	0.00	22	-0.33	22	-0.02
Kd of Th-228 in Contaminated Zone	10	-0.66	31	-0.01	43	0.18	43	0.01
Kd of Th-228 in Unsaturated Zone 1	14	-0.60	7	-0.03	36	0.23	36	0.01
Kd of Th-228 in Saturated Zone	25	0.50	13	0.02	37	0.21	38	0.01
Kd of Th-229 in Contaminated Zone	59	-0.19	69	0.00	78	0.05	78	0.00
Kd of Th-229 in Unsaturated Zone 1	9	-0.69	4	-0.05	52	0.15	52	0.01
Kd of Th-229 in Saturated Zone	48	-0.27	60	0.00	29	-0.29	29	-0.02
Kd of Th-230 in Contaminated Zone	64	0.16	63	0.00	32	-0.24	32	-0.01
Kd of Th-230 in Unsaturated Zone 1	88	-0.03	87	0.00	44	0.18	45	0.01
Kd of Th-230 in Saturated Zone	41	-0.37	39	-0.01	63	-0.09	63	0.00
Kd of Th-232 in Contaminated Zone	7	0.72	12	0.02	3	0.58	3	0.04
Kd of Th-232 in Unsaturated Zone 1	16	0.60	14	0.02	65	-0.08	65	0.00
Kd of Th-232 in Saturated Zone	78	0.13	79	0.00	38	0.20	37	0.01
Kd of U-233 in Saturated Zone	34	-0.43	36	-0.01	74	0.07	74	0.00
Kd of U-234 in Saturated Zone	12	0.62	3	0.05	87	0.01	87	0.00
Kd of U-235 in Saturated Zone	29	-0.46	21	-0.02	28	-0.29	30	-0.02
Kd of U-238 in Saturated Zone	65	0.16	62	0.00	23	0.32	23	0.02
Plant transfer factor for Ac	77	-0.13	80	0.00	40	0.19	40	0.01
Meat transfer factor for Ac	22	-0.55	28	-0.01	12	-0.43	12	-0.02
Milk transfer factor for Ac	58	-0.19	54	-0.01	49	-0.16	49	-0.01
Fish transfer factor for Ac	8	0.70	11	0.02	84	-0.03	84	0.00
Plant transfer factor for Am	89	-0.02	89	0.00	9	0.47	10	0.03
Meat transfer factor for Am	24	0.53	19	0.02	85	0.02	85	0.00
Milk transfer factor for Am	51	0.25	49	0.01	66	-0.08	66	0.00
Fish transfer factor for Am	66	-0.15	64	0.00	10	0.47	9	0.03
Plant transfer factor for Pb	6	0.75	8	0.03	31	0.28	31	0.01
Meat transfer factor for Pb	13	0.61	26	0.01	64	0.09	64	0.00
Milk transfer factor for Pb	83	0.09	82	0.00	39	0.20	39	0.01
Fish transfer factor for Pb	76	0.14	78	0.00	45	-0.18	44	-0.01
Plant transfer factor for Np	49	-0.27	50	-0.01	41	-0.19	41	-0.01
Meat transfer factor for Np	26	0.50	35	0.01	79	0.04	79	0.00
Milk transfer factor for Np	73	0.14	77	0.00	59	0.11	59	0.01
Fish transfer factor for Np	31	0.44	20	0.02	11	0.46	11	0.03
Plant transfer factor for Pu	81	-0.10	84	0.00	56	0.12	56	0.01
Meat transfer factor for Pu	79	-0.12	83	0.00	57	-0.11	57	-0.01
Milk transfer factor for Pu	71	-0.15	73	0.00	50	-0.15	51	-0.01
Fish transfer factor for Pu	69	-0.15	81	0.00	82	-0.03	82	0.00
Plant transfer factor for Pa	54	0.20	59	0.01	73	0.07	73	0.00
Meat transfer factor for Pa	86	0.06	88	0.00	13	-0.43	13	-0.02
Milk transfer factor for Pa	68	-0.15	76	0.00	42	-0.19	42	-0.01
Fish transfer factor for Pa	50	0.27	38	0.01	30	0.29	27	0.02
Plant transfer factor for Ra	1	1.00	1	0.99	1	1.00	1	0.99
Meat transfer factor for Ra	36	0.42	29	0.01	18	0.36	19	0.02
Milk transfer factor for Ra	5	0.75	10	0.02	5	0.54	5	0.03
Fish transfer factor for Ra	72	0.15	58	0.01	76	-0.05	76	0.00
Plant transfer factor for Tc	57	0.19	65	0.00	51	-0.15	50	-0.01
Meat transfer factor for Tc	62	-0.16	67	0.00	81	-0.04	81	0.00
Milk transfer factor for Tc	46	0.28	53	0.01	67	0.08	67	0.00
Fish transfer factor for Tc	32	0.43	40	0.01	75	-0.06	75	0.00
Plant transfer factor for Th	2	0.93	2	0.05	2	0.88	2	0.09
Meat transfer factor for Th	52	0.22	57	0.01	4	0.55	4	0.03
Milk transfer factor for Th	3	0.77	15	0.02	17	-0.36	17	-0.02
Fish transfer factor for Th	47	0.28	52	0.01	61	-0.10	61	-0.01
Plant transfer factor for U	55	0.20	72	0.00	77	-0.05	77	0.00
Meat transfer factor for U	37	0.40	44	0.01	16	0.36	16	0.02
Milk transfer factor for U	28	-0.46	37	-0.01	62	-0.10	62	0.00
Fish transfer factor for U	43	-0.35	48	-0.01	47	-0.17	48	-0.01
Well pumping rate	42	0.37	47	0.01	48	-0.17	47	-0.01
Mass loading for inhalation	17	0.59	32	0.01	71	0.07	69	0.00
Indoor dust filtration factor	23	-0.54	33	-0.01	7	0.49	7	0.03
Depth of soil mixing layer	56	0.20	66	0.00	25	-0.31	25	-0.02
Depth of roots	44	-0.35	51	-0.01	55	0.13	54	0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	38	0.39	45	0.01	20	0.35	20	0.02
Weathering removal constant of all vegetation	20	0.57	23	0.02	33	0.24	33	0.01
Wet foliar interception fraction of leafy vegetables	19	0.58	16	0.02	26	0.31	26	0.02

R-SQUARE 1.00 1.00 1.00 1.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Th-232 Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	19	0.36	11	0.04	27	-0.32	27	-0.02
Kd of Ac-227 in Unsaturated Zone 1	43	-0.21	32	-0.02	31	-0.29	31	-0.02
Kd of Ac-227 in Saturated Zone	84	0.01	86	0.00	14	-0.41	14	-0.03
Kd of Am-241 in Contaminated Zone	69	0.07	70	0.00	55	-0.16	56	-0.01
Kd of Am-241 in Unsaturated Zone 1	11	0.45	2	0.13	62	-0.14	61	-0.01
Kd of Am-241 in Saturated Zone	36	-0.24	26	-0.02	7	0.50	7	0.03
Kd of Np-237 in Contaminated Zone	89	0.01	87	0.00	19	-0.37	19	-0.02
Kd of Np-237 in Unsaturated Zone 1	64	-0.10	65	0.00	22	-0.35	22	-0.02
Kd of Np-237 in Saturated Zone	32	0.26	19	0.03	69	-0.12	69	-0.01
Kd of Pa-231 in Contaminated Zone	25	-0.31	29	-0.02	32	0.27	32	0.02
Kd of Pa-231 in Unsaturated Zone 1	51	0.17	54	0.01	71	-0.11	71	-0.01
Kd of Pa-231 in Saturated Zone	47	-0.19	51	-0.01	49	0.19	49	0.01
Kd of Pb-210 in Contaminated Zone	44	-0.21	12	-0.04	4	0.64	4	0.05
Kd of Pb-210 in Unsaturated Zone 1	15	-0.41	14	-0.03	18	-0.39	18	-0.02
Kd of Pb-210 in Saturated Zone	7	-0.50	16	-0.03	66	-0.13	66	-0.01
Kd of Pu-239 in Contaminated Zone	85	0.01	85	0.00	89	0.00	89	0.00
Kd of Pu-239 in Unsaturated Zone 1	86	0.01	83	0.00	67	-0.12	68	-0.01
Kd of Pu-239 in Saturated Zone	40	-0.22	13	-0.03	81	0.03	81	0.00
Kd of Ra-226 in Contaminated Zone	71	0.05	73	0.00	38	-0.26	38	-0.02
Kd of Ra-226 in Unsaturated Zone 1	68	0.07	66	0.00	86	-0.01	86	0.00
Kd of Ra-226 in Saturated Zone	10	-0.48	4	-0.11	54	0.16	54	0.01
Kd of Ra-228 in Contaminated Zone	12	-0.44	3	-0.12	3	-0.65	3	-0.05
Kd of Ra-228 in Unsaturated Zone 1	45	0.20	47	0.01	59	0.15	59	0.01
Kd of Ra-228 in Saturated Zone	46	0.19	37	0.02	17	-0.39	17	-0.02
Kd of Tc-99 in Saturated Zone	14	-0.42	7	-0.05	77	-0.08	77	0.00
Kd of Th-228 in Contaminated Zone	67	0.07	68	0.00	79	-0.07	79	0.00
Kd of Th-228 in Unsaturated Zone 1	20	-0.35	24	-0.02	47	0.20	47	0.01
Kd of Th-228 in Saturated Zone	29	-0.29	36	-0.02	82	-0.02	82	0.00
Kd of Th-229 in Contaminated Zone	62	0.10	58	0.01	44	0.21	45	0.01
Kd of Th-229 in Unsaturated Zone 1	34	0.25	46	0.01	52	-0.16	53	-0.01
Kd of Th-229 in Saturated Zone	80	0.03	64	0.01	73	-0.10	73	-0.01
Kd of Th-230 in Contaminated Zone	50	-0.17	33	-0.02	41	0.25	41	0.01
Kd of Th-230 in Unsaturated Zone 1	60	0.11	48	0.01	9	0.46	9	0.03
Kd of Th-230 in Saturated Zone	8	0.50	5	0.10	26	0.33	26	0.02
Kd of Th-232 in Contaminated Zone	82	-0.02	82	0.00	12	0.43	12	0.03
Kd of Th-232 in Unsaturated Zone 1	41	0.22	53	0.01	75	-0.08	75	0.00
Kd of Th-232 in Saturated Zone	31	0.26	28	0.02	87	0.00	87	0.00
Kd of U-233 in Saturated Zone	39	-0.23	34	-0.02	80	-0.04	80	0.00
Kd of U-234 in Saturated Zone	21	0.34	18	0.03	57	0.15	57	0.01
Kd of U-235 in Saturated Zone	74	-0.04	76	0.00	45	-0.21	46	-0.01
Kd of U-238 in Saturated Zone	37	0.24	9	0.04	78	-0.07	78	0.00
Plant transfer factor for Ac	55	0.13	56	0.01	43	0.21	43	0.01
Meat transfer factor for Ac	49	0.17	49	0.01	40	0.25	40	0.01
Milk transfer factor for Ac	3	0.59	10	0.04	64	0.14	64	0.01
Fish transfer factor for Ac	35	-0.25	35	-0.02	23	0.34	24	0.02
Plant transfer factor for Am	30	-0.27	40	-0.02	36	0.26	36	0.02
Meat transfer factor for Am	63	0.10	60	0.01	68	-0.12	67	-0.01
Milk transfer factor for Am	5	0.52	15	0.03	6	0.53	6	0.04
Fish transfer factor for Am	70	-0.06	69	0.00	53	-0.16	52	-0.01
Plant transfer factor for Pb	22	0.32	21	0.03	35	-0.26	35	-0.02
Meat transfer factor for Pb	18	0.38	27	0.02	74	0.10	74	0.01
Milk transfer factor for Pb	16	-0.40	25	-0.02	21	0.36	20	0.02
Fish transfer factor for Pb	87	0.01	89	0.00	11	-0.43	11	-0.03
Plant transfer factor for Np	58	0.12	52	0.01	24	0.34	23	0.02
Meat transfer factor for Np	72	0.05	75	0.00	58	-0.15	58	-0.01
Milk transfer factor for Np	65	0.08	67	0.00	33	-0.27	33	-0.02
Fish transfer factor for Np	59	-0.11	55	-0.01	46	-0.21	44	-0.01
Plant transfer factor for Pu	28	0.29	30	0.02	56	-0.16	55	-0.01
Meat transfer factor for Pu	6	-0.52	17	-0.03	51	-0.17	51	-0.01
Milk transfer factor for Pu	73	-0.04	77	0.00	13	-0.41	13	-0.03
Fish transfer factor for Pu	79	0.03	78	0.00	15	0.40	15	0.03
Plant transfer factor for Pa	54	-0.14	50	-0.01	63	-0.14	63	-0.01
Meat transfer factor for Pa	56	0.12	63	0.01	83	-0.01	83	0.00
Milk transfer factor for Pa	27	-0.30	42	-0.01	20	-0.36	21	-0.02
Fish transfer factor for Pa	13	0.42	20	0.03	61	-0.14	62	-0.01
Plant transfer factor for Ra	1	1.00	1	0.98	1	1.00	1	0.97
Meat transfer factor for Ra	4	0.58	8	0.05	10	0.45	10	0.03
Milk transfer factor for Ra	53	0.14	57	0.01	16	0.40	16	0.02
Fish transfer factor for Ra	83	0.01	84	0.00	42	-0.22	42	-0.01
Plant transfer factor for Tc	75	0.04	71	0.00	28	-0.30	28	-0.02
Meat transfer factor for Tc	81	-0.02	81	0.00	37	-0.26	37	-0.02
Milk transfer factor for Tc	23	-0.31	43	-0.01	85	0.01	85	0.00
Fish transfer factor for Tc	76	0.04	74	0.00	5	0.56	5	0.04
Plant transfer factor for Th	2	0.71	6	0.07	2	0.89	2	0.11
Meat transfer factor for Th	42	0.22	45	0.01	50	-0.18	50	-0.01
Milk transfer factor for Th	38	0.24	39	0.02	34	0.27	34	0.02
Fish transfer factor for Th	88	-0.01	88	0.00	60	-0.14	60	-0.01
Plant transfer factor for U	24	-0.31	31	-0.02	84	0.01	84	0.00
Meat transfer factor for U	9	-0.49	23	-0.02	39	-0.25	39	-0.02
Milk transfer factor for U	66	-0.07	72	0.00	76	0.08	76	0.00
Fish transfer factor for U	48	-0.18	44	-0.01	25	-0.33	25	-0.02
Well pumping rate	33	-0.25	41	-0.02	8	-0.48	8	-0.03
Mass loading for inhalation	52	-0.16	61	-0.01	88	0.00	88	0.00
Indoor dust filtration factor	78	-0.03	80	0.00	65	-0.13	65	-0.01
Depth of soil mixing layer	26	0.31	38	0.02	70	-0.12	70	-0.01
Depth of roots	61	0.10	59	0.01	72	-0.11	72	-0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	77	-0.03	79	0.00	29	0.30	29	0.02
Weathering removal constant of all vegetation	17	0.39	22	0.02	30	-0.30	30	-0.02
Wet foliar interception fraction of leafy vegetables	57	0.12	62	0.01	48	0.19	48	0.01

R-SQUARE

1.00 1.00 1.00 1.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak Th-232 Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	37	-0.22	58	-0.01	70	0.08	70	0.01
Kd of Ac-227 in Unsaturated Zone 1	78	-0.06	78	0.00	80	0.04	80	0.00
Kd of Ac-227 in Saturated Zone	10	0.43	10	0.03	33	0.26	33	0.02
Kd of Am-241 in Contaminated Zone	49	0.18	56	0.01	24	-0.30	24	-0.02
Kd of Am-241 in Unsaturated Zone 1	46	0.18	2	0.65	59	-0.15	59	-0.01
Kd of Am-241 in Saturated Zone	11	0.41	23	0.02	30	-0.28	30	-0.02
Kd of Np-237 in Contaminated Zone	56	-0.15	67	-0.01	79	-0.04	79	0.00
Kd of Np-237 in Unsaturated Zone 1	42	-0.19	41	-0.01	56	-0.16	56	-0.01
Kd of Np-237 in Saturated Zone	77	-0.07	74	0.00	37	0.23	37	0.02
Kd of Pa-231 in Contaminated Zone	61	-0.14	65	-0.01	76	0.06	76	0.00
Kd of Pa-231 in Unsaturated Zone 1	44	0.18	35	0.01	49	-0.19	49	-0.01
Kd of Pa-231 in Saturated Zone	60	-0.15	49	-0.01	87	0.01	87	0.00
Kd of Pb-210 in Contaminated Zone	66	-0.12	71	-0.01	46	-0.22	46	-0.01
Kd of Pb-210 in Unsaturated Zone 1	58	-0.15	34	-0.02	55	0.17	55	0.01
Kd of Pb-210 in Saturated Zone	89	0.00	89	0.00	26	0.30	27	0.02
Kd of Pu-239 in Contaminated Zone	74	-0.09	70	-0.01	78	-0.05	78	0.00
Kd of Pu-239 in Unsaturated Zone 1	70	-0.11	72	-0.01	8	-0.43	8	-0.03
Kd of Pu-239 in Saturated Zone	69	-0.11	69	-0.01	54	-0.17	54	-0.01
Kd of Ra-226 in Contaminated Zone	57	0.15	62	0.01	51	-0.18	51	-0.01
Kd of Ra-226 in Unsaturated Zone 1	84	0.05	83	0.00	38	-0.23	39	-0.02
Kd of Ra-226 in Saturated Zone	86	-0.03	86	0.00	18	-0.34	18	-0.02
Kd of Ra-228 in Contaminated Zone	73	-0.09	73	0.00	43	0.22	43	0.02
Kd of Ra-228 in Unsaturated Zone 1	43	-0.18	27	-0.02	89	0.01	89	0.00
Kd of Ra-228 in Saturated Zone	27	-0.27	36	-0.01	60	-0.14	60	-0.01
Kd of Tc-99 in Saturated Zone	22	-0.29	40	-0.01	64	-0.12	65	-0.01
Kd of Th-228 in Contaminated Zone	34	-0.24	44	-0.01	25	-0.30	25	-0.02
Kd of Th-228 in Unsaturated Zone 1	18	-0.34	7	-0.04	72	-0.07	72	0.00
Kd of Th-228 in Saturated Zone	76	-0.07	77	0.00	50	-0.19	50	-0.01
Kd of Th-229 in Contaminated Zone	88	-0.01	88	0.00	88	-0.01	88	0.00
Kd of Th-229 in Unsaturated Zone 1	81	-0.05	84	0.00	4	-0.52	4	-0.04
Kd of Th-229 in Saturated Zone	50	0.17	47	0.01	48	-0.20	48	-0.01
Kd of Th-230 in Contaminated Zone	31	0.26	33	0.02	63	0.14	63	0.01
Kd of Th-230 in Unsaturated Zone 1	26	-0.27	45	-0.01	77	-0.05	77	0.00
Kd of Th-230 in Saturated Zone	67	-0.12	46	-0.01	31	-0.27	31	-0.02
Kd of Th-232 in Contaminated Zone	3	0.56	6	0.05	16	0.35	17	0.02
Kd of Th-232 in Unsaturated Zone 1	48	-0.18	3	-0.64	3	-0.59	3	-0.05
Kd of Th-232 in Saturated Zone	54	0.16	66	0.01	52	0.18	52	0.01
Kd of U-233 in Saturated Zone	68	0.11	68	0.01	73	0.07	73	0.00
Kd of U-234 in Saturated Zone	62	0.14	54	0.01	82	-0.04	82	0.00
Kd of U-235 in Saturated Zone	71	-0.10	51	-0.01	85	-0.03	85	0.00
Kd of U-238 in Saturated Zone	21	0.30	9	0.03	5	0.48	5	0.04
Plant transfer factor for Ac	85	-0.04	81	0.00	12	-0.40	13	-0.03
Meat transfer factor for Ac	82	0.05	80	0.00	71	0.08	71	0.00
Milk transfer factor for Ac	38	0.21	52	0.01	11	0.41	11	0.03
Fish transfer factor for Ac	52	0.16	38	0.01	57	0.16	57	0.01
Plant transfer factor for Am	53	-0.16	60	-0.01	68	0.09	68	0.01
Meat transfer factor for Am	40	0.21	32	0.02	69	-0.08	69	-0.01
Milk transfer factor for Am	59	-0.15	48	-0.01	67	-0.10	67	-0.01
Fish transfer factor for Am	7	0.47	14	0.03	45	0.22	45	0.01
Plant transfer factor for Pb	33	-0.25	16	-0.02	62	0.14	62	0.01
Meat transfer factor for Pb	9	-0.44	12	-0.03	29	0.29	28	0.02
Milk transfer factor for Pb	45	0.18	53	0.01	17	-0.34	16	-0.02
Fish transfer factor for Pb	39	0.21	61	0.01	81	0.04	81	0.00
Plant transfer factor for Np	25	-0.28	37	-0.01	28	-0.29	29	-0.02
Meat transfer factor for Np	12	0.39	20	0.02	27	0.29	26	0.02
Milk transfer factor for Np	6	-0.49	5	-0.05	14	-0.39	14	-0.03
Fish transfer factor for Np	30	0.26	17	0.02	21	0.31	21	0.02
Plant transfer factor for Pu	80	-0.05	82	0.00	32	0.26	32	0.02
Meat transfer factor for Pu	15	-0.35	29	-0.02	84	-0.03	84	0.00
Milk transfer factor for Pu	24	0.28	30	0.02	41	-0.23	42	-0.02
Fish transfer factor for Pu	83	0.05	85	0.00	19	-0.33	19	-0.02
Plant transfer factor for Pa	32	-0.25	42	-0.01	47	-0.21	47	-0.01
Meat transfer factor for Pa	75	0.09	64	0.01	75	0.06	75	0.00
Milk transfer factor for Pa	16	0.35	13	0.03	23	0.31	22	0.02
Fish transfer factor for Pa	17	-0.34	28	-0.02	83	0.03	83	0.00
Plant transfer factor for Ra	1	1.00	1	1.00	1	1.00	1	0.98
Meat transfer factor for Ra	19	0.32	19	0.02	53	0.18	53	0.01
Milk transfer factor for Ra	8	0.45	15	0.03	9	0.42	10	0.03
Fish transfer factor for Ra	65	0.12	76	0.00	36	-0.24	36	-0.02
Plant transfer factor for Tc	79	0.06	79	0.00	42	-0.23	38	-0.02
Meat transfer factor for Tc	41	-0.21	39	-0.01	7	-0.44	7	-0.03
Milk transfer factor for Tc	87	-0.03	87	0.00	39	0.23	40	0.02
Fish transfer factor for Tc	29	0.26	22	0.02	15	0.35	15	0.03
Plant transfer factor for Th	2	0.72	4	0.06	2	0.84	2	0.10
Meat transfer factor for Th	72	-0.10	50	-0.01	66	0.11	66	0.01
Milk transfer factor for Th	5	-0.50	8	-0.03	65	-0.11	64	-0.01
Fish transfer factor for Th	47	0.18	63	0.01	10	0.41	9	0.03
Plant transfer factor for U	4	0.50	11	0.03	6	0.44	6	0.03
Meat transfer factor for U	23	0.29	26	0.02	74	0.06	74	0.00
Milk transfer factor for U	20	-0.30	25	-0.02	13	-0.40	12	-0.03
Fish transfer factor for U	35	-0.23	31	-0.02	20	-0.33	20	-0.02
Well pumping rate	13	-0.38	24	-0.02	34	-0.25	34	-0.02
Mass loading for inhalation	63	-0.12	59	-0.01	61	-0.14	61	-0.01
Indoor dust filtration factor	55	0.15	55	0.01	35	0.25	35	0.02
Depth of soil mixing layer	36	0.22	43	0.01	58	0.16	58	0.01
Depth of roots	51	-0.17	57	-0.01	40	-0.23	41	-0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	14	-0.37	18	-0.02	44	-0.22	44	-0.02
Weathering removal constant of all vegetation	28	-0.26	21	-0.02	86	0.02	86	0.00
Wet foliar interception fraction of leafy vegetables	64	0.12	75	0.00	22	0.31	23	0.02

R-SQUARE 1.00 1.00 1.00 1.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.



Coefficients for peak U-234 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Ac-227 in Contaminated Zone	84	-0.04	85	0.00	39	0.27	40	0.03	
Kd of Ac-227 in Unsaturated Zone 1	33	0.40	42	0.01	44	-0.24	45	-0.03	
Kd of Ac-227 in Saturated Zone	80	0.11	77	0.00	18	-0.41	18	-0.05	
Kd of Am-241 in Contaminated Zone	86	-0.03	86	0.00	33	0.30	33	0.03	
Kd of Am-241 in Unsaturated Zone 1	56	0.22	28	0.02	22	0.36	22	0.04	
Kd of Am-241 in Saturated Zone	47	0.28	8	0.05	52	0.22	52	0.02	
Kd of Np-237 in Contaminated Zone	8	-0.67	6	-0.08	76	-0.06	76	-0.01	
Kd of Np-237 in Unsaturated Zone 1	22	0.44	16	0.03	83	0.04	83	0.00	
Kd of Np-237 in Saturated Zone	40	0.33	49	0.01	66	-0.13	66	-0.01	
Kd of Pa-231 in Contaminated Zone	66	0.17	66	0.01	20	0.37	19	0.04	
Kd of Pa-231 in Unsaturated Zone 1	48	-0.27	10	-0.04	50	0.23	50	0.03	
Kd of Pa-231 in Saturated Zone	32	-0.40	35	-0.02	70	-0.10	70	-0.01	
Kd of Pb-210 in Contaminated Zone	68	-0.16	63	-0.01	57	-0.19	57	-0.02	
Kd of Pb-210 in Unsaturated Zone 1	62	0.21	39	0.01	55	0.20	54	0.02	
Kd of Pb-210 in Saturated Zone	29	-0.41	19	-0.03	46	0.24	46	0.03	
Kd of Pu-239 in Contaminated Zone	45	-0.31	29	-0.02	36	-0.28	36	-0.03	
Kd of Pu-239 in Unsaturated Zone 1	42	-0.32	36	-0.02	7	0.62	6	0.09	
Kd of Pu-239 in Saturated Zone	16	0.49	22	0.03	81	-0.04	81	0.00	
Kd of Ra-226 in Contaminated Zone	13	-0.53	12	-0.04	37	-0.28	37	-0.03	
Kd of Ra-226 in Unsaturated Zone 1	19	-0.48	21	-0.03	59	0.16	59	0.02	
Kd of Ra-226 in Saturated Zone	87	0.02	87	0.00	21	0.37	20	0.04	
Kd of Ra-228 in Contaminated Zone	6	0.70	7	0.08	38	-0.28	38	-0.03	
Kd of Ra-228 in Unsaturated Zone 1	64	-0.19	70	-0.01	72	0.09	72	0.01	
Kd of Ra-228 in Saturated Zone	58	-0.22	54	-0.01	89	-0.01	89	0.00	
Kd of Tc-99 in Saturated Zone	83	-0.07	83	0.00	30	0.30	31	0.03	
Kd of Th-228 in Contaminated Zone	49	0.27	65	0.01	80	-0.04	80	0.00	
Kd of Th-228 in Unsaturated Zone 1	30	-0.41	13	-0.04	87	-0.02	87	0.00	
Kd of Th-228 in Saturated Zone	21	0.45	14	0.03	35	0.29	35	0.03	
Kd of Th-229 in Contaminated Zone	54	-0.24	62	-0.01	77	-0.06	77	-0.01	
Kd of Th-229 in Unsaturated Zone 1	67	-0.17	43	-0.01	85	-0.03	85	0.00	
Kd of Th-229 in Saturated Zone	72	0.14	80	0.00	11	0.55	11	0.07	
Kd of Th-230 in Contaminated Zone	12	0.53	17	0.03	5	0.65	5	0.09	
Kd of Th-230 in Unsaturated Zone 1	60	-0.21	50	-0.01	12	-0.53	12	-0.07	
Kd of Th-230 in Saturated Zone	25	-0.43	30	-0.02	17	-0.41	17	-0.05	
Kd of Th-232 in Contaminated Zone	28	-0.41	32	-0.02	10	-0.58	10	-0.07	
Kd of Th-232 in Unsaturated Zone 1	51	-0.25	45	-0.01	73	-0.09	73	-0.01	
Kd of Th-232 in Saturated Zone	37	0.37	38	0.01	16	-0.47	15	-0.06	
Kd of U-233 in Saturated Zone	69	0.16	71	0.01	60	-0.15	60	-0.02	
Kd of U-234 in Saturated Zone	81	-0.10	55	-0.01	41	0.26	41	0.03	
Kd of U-235 in Saturated Zone	36	0.38	23	0.02	56	0.19	56	0.02	
Kd of U-238 in Saturated Zone	14	0.53	15	0.03	74	0.09	74	0.01	
Plant transfer factor for Ac	52	-0.25	57	-0.01	26	0.33	26	0.04	
Meat transfer factor for Ac	74	0.14	78	0.00	75	0.08	75	0.01	
Milk transfer factor for Ac	79	0.11	74	0.01	42	0.26	42	0.03	
Fish transfer factor for Ac	76	-0.13	73	-0.01	28	-0.32	27	-0.04	
Plant transfer factor for Am	26	0.43	40	0.01	54	0.20	55	0.02	
Meat transfer factor for Am	85	0.04	84	0.00	13	0.50	13	0.06	
Milk transfer factor for Am	44	-0.31	48	-0.01	43	-0.24	44	-0.03	
Fish transfer factor for Am	43	-0.32	37	-0.02	48	-0.23	48	-0.03	
Plant transfer factor for Pb	5	0.85	5	0.08	14	0.47	14	0.06	
Meat transfer factor for Pb	41	-0.33	56	-0.01	51	-0.23	51	-0.03	
Milk transfer factor for Pb	88	0.02	88	0.00	6	0.63	7	0.08	
Fish transfer factor for Pb	65	0.18	69	0.01	25	-0.34	25	-0.04	
Plant transfer factor for Np	59	-0.21	61	-0.01	9	0.60	9	0.08	
Meat transfer factor for Np	27	0.41	41	0.01	15	0.47	16	0.06	
Milk transfer factor for Np	35	-0.38	44	-0.01	61	-0.15	61	-0.02	
Fish transfer factor for Np	17	0.49	11	0.04	71	0.10	71	0.01	
Plant transfer factor for Pu	15	-0.53	26	-0.02	68	-0.12	67	-0.01	
Meat transfer factor for Pu	7	0.70	18	0.03	49	-0.23	49	-0.03	
Milk transfer factor for Pu	31	-0.40	34	-0.02	23	0.36	23	0.04	
Fish transfer factor for Pu	63	-0.21	72	-0.01	84	-0.04	84	0.00	
Plant transfer factor for Pa	23	0.44	25	0.02	24	-0.34	24	-0.04	
Meat transfer factor for Pa	46	0.29	59	0.01	58	-0.16	58	-0.02	
Milk transfer factor for Pa	73	0.14	76	0.00	29	-0.31	29	-0.03	
Fish transfer factor for Pa	78	-0.11	64	-0.01	32	-0.30	32	-0.03	
Plant transfer factor for Ra	2	0.98	2	0.18	3	0.91	3	0.23	
Meat transfer factor for Ra	53	-0.25	53	-0.01	27	0.32	28	0.04	
Milk transfer factor for Ra	24	0.44	31	0.02	8	-0.62	8	-0.08	
Fish transfer factor for Ra	10	0.57	9	0.04	88	-0.01	88	0.00	
Plant transfer factor for Tc	20	0.47	27	0.02	86	0.03	86	0.00	
Meat transfer factor for Tc	70	0.15	67	0.01	62	0.14	62	0.02	
Milk transfer factor for Tc	55	-0.23	60	-0.01	69	-0.10	69	-0.01	
Fish transfer factor for Tc	38	-0.37	52	-0.01	19	0.37	21	0.04	
Plant transfer factor for Th	39	-0.36	47	-0.01	79	0.05	79	0.01	
Meat transfer factor for Th	11	-0.55	20	-0.03	65	-0.13	65	-0.01	
Milk transfer factor for Th	34	-0.39	51	-0.01	67	0.12	68	0.01	
Fish transfer factor for Th	82	-0.09	82	0.00	40	-0.27	39	-0.03	
Plant transfer factor for U	1	1.00	1	0.98	1	0.99	1	0.89	
Meat transfer factor for U	3	0.97	4	0.12	4	0.84	4	0.16	
Milk transfer factor for U	4	0.97	3	0.12	2	0.92	2	0.25	
Fish transfer factor for U	18	0.48	33	0.02	82	-0.04	82	0.00	
Well pumping rate	75	-0.14	79	0.00	31	-0.30	30	-0.03	
Mass loading for inhalation	89	0.02	89	0.00	45	0.24	43	0.03	
Indoor dust filtration factor	9	0.58	24	0.02	34	0.29	34	0.03	
Depth of soil mixing layer	77	-0.11	81	0.00	78	-0.05	78	-0.01	
Depth of roots	57	-0.22	68	-0.01	47	0.24	47	0.03	
Wet weight crop yield of fruit, grain and non-leafy vegetables	71	-0.15	75	0.00	63	-0.14	63	-0.02	
Weathering removal constant of all vegetation	61	0.21	58	0.01	64	-0.14	64	-0.01	
Wet foliar interception fraction of leafy vegetables	50	0.26	46	0.01	53	-0.20	53	-0.02	

R-SQUARE 1.00 1.00 0.99 0.99

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak U-234 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	
Kd of Ac-227 in Contaminated Zone	14	0.28	14	0.03	35	-0.34	36	-0.03	
Kd of Ac-227 in Unsaturated Zone 1	89	0.00	89	0.00	28	-0.41	28	-0.03	
Kd of Ac-227 in Saturated Zone	66	0.07	71	0.00	15	0.59	15	0.05	
Kd of Am-241 in Contaminated Zone	28	0.23	33	0.01	86	0.01	86	0.00	
Kd of Am-241 in Unsaturated Zone 1	12	0.33	5	0.09	61	0.20	60	0.02	
Kd of Am-241 in Saturated Zone	10	-0.36	11	-0.03	88	0.00	88	0.00	
Kd of Np-237 in Contaminated Zone	59	0.09	58	0.01	66	-0.15	66	-0.01	
Kd of Np-237 in Unsaturated Zone 1	16	-0.28	29	-0.01	11	-0.63	11	-0.06	
Kd of Np-237 in Saturated Zone	56	-0.09	45	-0.01	41	0.29	41	0.02	
Kd of Pa-231 in Contaminated Zone	20	-0.26	23	-0.02	24	0.48	24	0.04	
Kd of Pa-231 in Unsaturated Zone 1	50	0.12	52	0.01	21	-0.52	21	-0.04	
Kd of Pa-231 in Saturated Zone	76	-0.03	78	0.00	20	0.52	20	0.05	
Kd of Pb-210 in Contaminated Zone	58	-0.09	26	-0.01	55	0.22	55	0.02	
Kd of Pb-210 in Unsaturated Zone 1	7	-0.46	8	-0.04	81	-0.03	81	0.00	
Kd of Pb-210 in Saturated Zone	69	-0.05	72	0.00	44	0.27	44	0.02	
Kd of Pu-239 in Contaminated Zone	45	0.13	51	0.01	53	0.25	53	0.02	
Kd of Pu-239 in Unsaturated Zone 1	71	-0.04	67	0.00	77	-0.05	77	0.00	
Kd of Pu-239 in Saturated Zone	87	0.01	86	0.00	75	0.08	75	0.01	
Kd of Ra-226 in Contaminated Zone	48	0.12	55	0.01	89	0.00	89	0.00	
Kd of Ra-226 in Unsaturated Zone 1	84	0.02	85	0.00	85	0.02	85	0.00	
Kd of Ra-226 in Saturated Zone	51	-0.11	17	-0.02	71	-0.12	71	-0.01	
Kd of Ra-228 in Contaminated Zone	15	-0.28	6	-0.07	42	-0.28	43	-0.02	
Kd of Ra-228 in Unsaturated Zone 1	75	0.04	76	0.00	19	-0.54	19	-0.05	
Kd of Ra-228 in Saturated Zone	38	0.16	30	0.01	58	-0.21	58	-0.02	
Kd of Tc-99 in Saturated Zone	22	-0.25	15	-0.02	7	0.69	7	0.07	
Kd of Th-228 in Contaminated Zone	37	0.18	41	0.01	48	-0.26	48	-0.02	
Kd of Th-228 in Unsaturated Zone 1	68	0.05	70	0.00	62	-0.19	62	-0.01	
Kd of Th-228 in Saturated Zone	35	-0.19	39	-0.01	25	-0.48	25	-0.04	
Kd of Th-229 in Contaminated Zone	54	0.10	54	0.01	10	-0.64	12	-0.06	
Kd of Th-229 in Unsaturated Zone 1	34	0.19	49	0.01	60	-0.20	61	-0.02	
Kd of Th-229 in Saturated Zone	60	0.08	22	0.02	70	0.13	70	0.01	
Kd of Th-230 in Contaminated Zone	18	0.27	12	0.03	13	-0.62	13	-0.06	
Kd of Th-230 in Unsaturated Zone 1	78	0.03	69	0.00	43	0.27	47	0.02	
Kd of Th-230 in Saturated Zone	83	0.02	65	0.00	38	-0.32	39	-0.03	
Kd of Th-232 in Contaminated Zone	67	-0.06	63	0.00	82	0.03	83	0.00	
Kd of Th-232 in Unsaturated Zone 1	40	0.15	56	0.01	39	-0.31	38	-0.03	
Kd of Th-232 in Saturated Zone	64	0.08	59	0.01	18	-0.54	18	-0.05	
Kd of U-233 in Saturated Zone	27	0.24	20	0.02	87	0.00	87	0.00	
Kd of U-234 in Saturated Zone	49	0.12	43	0.01	74	-0.08	74	-0.01	
Kd of U-235 in Saturated Zone	43	0.14	47	0.01	16	-0.55	16	-0.05	
Kd of U-238 in Saturated Zone	63	0.08	34	0.01	67	0.14	67	0.01	
Plant transfer factor for Ac	70	0.05	73	0.00	23	0.49	23	0.04	
Meat transfer factor for Ac	52	-0.11	53	-0.01	83	0.03	82	0.00	
Milk transfer factor for Ac	88	0.01	88	0.00	68	-0.14	68	-0.01	
Fish transfer factor for Ac	17	-0.28	18	-0.02	5	-0.77	5	-0.09	
Plant transfer factor for Am	13	-0.31	19	-0.02	29	-0.39	29	-0.03	
Meat transfer factor for Am	47	-0.13	50	-0.01	78	-0.05	78	0.00	
Milk transfer factor for Am	31	0.20	38	0.01	47	-0.27	45	-0.02	
Fish transfer factor for Am	11	-0.34	16	-0.02	51	0.25	51	0.02	
Plant transfer factor for Pb	5	0.69	7	0.07	8	0.65	8	0.07	
Meat transfer factor for Pb	53	0.10	61	0.01	45	0.27	42	0.02	
Milk transfer factor for Pb	80	-0.03	81	0.00	27	0.43	27	0.04	
Fish transfer factor for Pb	61	-0.08	66	0.00	63	-0.19	64	-0.01	
Plant transfer factor for Np	33	0.19	21	0.02	80	0.04	80	0.00	
Meat transfer factor for Np	79	0.03	80	0.00	26	-0.46	26	-0.04	
Milk transfer factor for Np	6	0.54	9	0.03	46	0.27	46	0.02	
Fish transfer factor for Np	46	-0.13	42	-0.01	73	-0.10	73	-0.01	
Plant transfer factor for Pu	41	0.15	44	0.01	36	0.34	35	0.03	
Meat transfer factor for Pu	73	0.04	77	0.00	84	0.03	84	0.00	
Milk transfer factor for Pu	81	0.02	83	0.00	52	0.25	52	0.02	
Fish transfer factor for Pu	72	-0.04	74	0.00	65	0.16	65	0.01	
Plant transfer factor for Pa	8	-0.41	10	-0.03	32	0.36	32	0.03	
Meat transfer factor for Pa	26	0.24	36	0.01	76	0.06	76	0.00	
Milk transfer factor for Pa	19	0.27	31	0.01	57	0.22	57	0.02	
Fish transfer factor for Pa	86	0.01	87	0.00	79	0.04	79	0.00	
Plant transfer factor for Ra	3	0.97	3	0.16	3	0.93	3	0.20	
Meat transfer factor for Ra	24	0.25	24	0.02	6	0.74	6	0.08	
Milk transfer factor for Ra	82	-0.02	82	0.00	56	0.22	56	0.02	
Fish transfer factor for Ra	74	-0.04	79	0.00	14	0.60	14	0.06	
Plant transfer factor for Tc	62	-0.08	57	-0.01	37	-0.33	37	-0.03	
Meat transfer factor for Tc	32	-0.20	40	-0.01	17	-0.54	17	-0.05	
Milk transfer factor for Tc	55	-0.09	64	0.00	31	-0.36	31	-0.03	
Fish transfer factor for Tc	85	-0.01	84	0.00	50	-0.25	50	-0.02	
Plant transfer factor for Th	9	0.40	13	0.03	30	0.38	30	0.03	
Meat transfer factor for Th	39	0.16	48	0.01	72	0.10	72	0.01	
Milk transfer factor for Th	42	-0.14	46	-0.01	12	0.63	10	0.06	
Fish transfer factor for Th	21	0.26	28	0.01	49	-0.26	49	-0.02	
Plant transfer factor for U	1	1.00	1	0.96	1	1.00	1	0.91	
Meat transfer factor for U	4	0.94	4	0.12	4	0.89	4	0.14	
Milk transfer factor for U	2	0.97	2	0.16	2	0.96	2	0.25	
Fish transfer factor for U	77	0.03	75	0.00	64	-0.19	63	-0.01	
Well pumping rate	23	-0.25	27	-0.01	54	-0.24	54	-0.02	
Mass loading for inhalation	44	-0.14	60	-0.01	33	0.35	33	0.03	
Indoor dust filtration factor	30	0.23	35	0.01	22	0.50	22	0.04	
Depth of soil mixing layer	57	0.09	62	0.00	9	0.64	9	0.06	
Depth of roots	29	-0.23	25	-0.01	40	-0.30	40	-0.02	
Wet weight crop yield of fruit, grain and non-leafy vegetables	65	-0.07	68	0.00	34	-0.35	34	-0.03	
Weathering removal constant of all vegetation	36	0.19	37	0.01	69	0.14	69	0.01	
Wet foliar interception fraction of leafy vegetables	25	0.25	32	0.01	59	0.21	59	0.02	

R-SQUARE 1.00 1.00 0.99 0.99  
 -Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak U-234 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Ac-227 in Contaminated Zone	74	-0.09	79	-0.01	22	0.50	22	0.05	
Kd of Ac-227 in Unsaturated Zone 1	22	0.35	28	0.03	12	-0.60	12	-0.06	
Kd of Ac-227 in Saturated Zone	10	-0.52	11	-0.05	77	-0.11	77	-0.01	
Kd of Am-241 in Contaminated Zone	41	0.23	40	0.02	84	-0.05	84	0.00	
Kd of Am-241 in Unsaturated Zone 1	38	-0.24	2	-1.22	36	-0.40	36	-0.04	
Kd of Am-241 in Saturated Zone	32	-0.25	51	-0.02	8	-0.64	8	-0.07	
Kd of Np-237 in Contaminated Zone	89	0.00	89	0.00	61	-0.23	61	-0.02	
Kd of Np-237 in Unsaturated Zone 1	14	0.44	12	0.05	7	0.66	6	0.07	
Kd of Np-237 in Saturated Zone	62	0.12	63	0.01	37	0.40	37	0.04	
Kd of Pa-231 in Contaminated Zone	2	0.92	6	0.15	38	0.40	38	0.03	
Kd of Pa-231 in Unsaturated Zone 1	55	-0.15	44	-0.02	82	-0.07	82	-0.01	
Kd of Pa-231 in Saturated Zone	26	0.29	24	0.03	51	-0.29	51	-0.02	
Kd of Pb-210 in Contaminated Zone	45	-0.21	54	-0.01	18	0.52	19	0.05	
Kd of Pb-210 in Unsaturated Zone 1	79	0.05	74	0.01	31	-0.44	31	-0.04	
Kd of Pb-210 in Saturated Zone	27	-0.29	30	-0.03	10	0.61	10	0.06	
Kd of Pu-239 in Contaminated Zone	59	-0.12	60	-0.01	53	0.28	53	0.02	
Kd of Pu-239 in Unsaturated Zone 1	56	0.15	66	0.01	6	0.66	7	0.07	
Kd of Pu-239 in Saturated Zone	51	0.18	55	0.01	25	0.47	27	0.04	
Kd of Ra-226 in Contaminated Zone	80	0.04	81	0.00	23	0.48	23	0.04	
Kd of Ra-226 in Unsaturated Zone 1	83	0.04	82	0.00	27	0.47	24	0.04	
Kd of Ra-226 in Saturated Zone	71	-0.10	68	-0.01	24	-0.47	25	-0.04	
Kd of Ra-228 in Contaminated Zone	35	0.24	39	0.02	50	-0.29	50	-0.02	
Kd of Ra-228 in Unsaturated Zone 1	60	0.12	49	0.02	88	0.01	88	0.00	
Kd of Ra-228 in Saturated Zone	11	0.51	13	0.04	35	0.41	35	0.04	
Kd of Tc-99 in Saturated Zone	67	0.11	75	0.01	29	0.46	29	0.04	
Kd of Th-228 in Contaminated Zone	64	-0.11	69	-0.01	14	0.57	14	0.06	
Kd of Th-228 in Unsaturated Zone 1	44	-0.22	19	-0.03	74	-0.14	74	-0.01	
Kd of Th-228 in Saturated Zone	85	0.02	85	0.00	46	-0.33	46	-0.03	
Kd of Th-229 in Contaminated Zone	39	0.24	48	0.02	83	0.06	83	0.01	
Kd of Th-229 in Unsaturated Zone 1	82	-0.04	83	0.00	44	0.34	44	0.03	
Kd of Th-229 in Saturated Zone	65	0.11	62	0.01	65	-0.19	65	-0.02	
Kd of Th-230 in Contaminated Zone	6	0.62	10	0.06	49	0.30	49	0.03	
Kd of Th-230 in Unsaturated Zone 1	72	-0.10	77	-0.01	5	-0.78	5	-0.10	
Kd of Th-230 in Saturated Zone	42	0.23	20	0.03	78	-0.10	78	-0.01	
Kd of Th-232 in Contaminated Zone	66	-0.11	61	-0.01	79	-0.10	79	-0.01	
Kd of Th-232 in Unsaturated Zone 1	34	0.24	1	1.23	73	0.15	71	0.01	
Kd of Th-232 in Saturated Zone	15	-0.44	29	-0.03	66	0.19	66	0.02	
Kd of U-233 in Saturated Zone	76	0.08	76	0.01	54	0.28	54	0.02	
Kd of U-234 in Saturated Zone	70	-0.10	64	-0.01	62	0.22	62	0.02	
Kd of U-235 in Saturated Zone	78	-0.05	72	-0.01	9	0.63	9	0.07	
Kd of U-238 in Saturated Zone	46	-0.20	26	-0.03	81	-0.07	81	-0.01	
Plant transfer factor for Ac	68	-0.10	58	-0.01	71	-0.15	72	-0.01	
Meat transfer factor for Ac	36	-0.24	37	-0.02	75	0.14	75	0.01	
Milk transfer factor for Ac	23	-0.34	33	-0.02	42	-0.35	42	-0.03	
Fish transfer factor for Ac	29	-0.27	22	-0.03	69	-0.16	69	-0.01	
Plant transfer factor for Am	69	0.10	73	0.01	86	-0.02	86	0.00	
Meat transfer factor for Am	40	-0.24	32	-0.02	45	0.34	45	0.03	
Milk transfer factor for Am	25	0.29	23	0.03	16	0.55	16	0.05	
Fish transfer factor for Am	47	-0.20	52	-0.02	33	0.42	34	0.04	
Plant transfer factor for Pb	7	0.60	8	0.10	30	0.45	30	0.04	
Meat transfer factor for Pb	75	0.09	71	0.01	68	-0.16	68	-0.01	
Milk transfer factor for Pb	88	-0.01	88	0.00	34	0.42	33	0.04	
Fish transfer factor for Pb	20	-0.40	35	-0.02	20	-0.50	21	-0.05	
Plant transfer factor for Np	49	-0.18	56	-0.01	17	0.54	17	0.05	
Meat transfer factor for Np	50	-0.18	57	-0.01	56	-0.25	56	-0.02	
Milk transfer factor for Np	13	0.49	9	0.07	85	0.04	85	0.00	
Fish transfer factor for Np	84	0.03	80	0.00	89	0.00	89	0.00	
Plant transfer factor for Pu	21	0.37	27	0.03	60	0.24	60	0.02	
Meat transfer factor for Pu	9	0.52	18	0.04	26	0.47	28	0.04	
Milk transfer factor for Pu	43	0.22	45	0.02	63	0.22	63	0.02	
Fish transfer factor for Pu	81	-0.04	84	0.00	11	0.60	11	0.06	
Plant transfer factor for Pa	61	-0.12	70	-0.01	57	-0.25	57	-0.02	
Meat transfer factor for Pa	58	-0.14	50	-0.02	43	0.35	43	0.03	
Milk transfer factor for Pa	54	0.16	42	0.02	40	-0.36	40	-0.03	
Fish transfer factor for Pa	30	-0.26	41	-0.02	52	0.29	52	0.02	
Plant transfer factor for Ra	4	0.82	5	0.16	2	0.95	2	0.23	
Meat transfer factor for Ra	52	-0.18	53	-0.02	13	-0.58	13	-0.06	
Milk transfer factor for Ra	77	-0.08	78	-0.01	41	-0.35	41	-0.03	
Fish transfer factor for Ra	19	-0.40	36	-0.02	28	0.47	26	0.04	
Plant transfer factor for Tc	31	0.26	38	0.02	47	-0.32	47	-0.03	
Meat transfer factor for Tc	33	-0.25	34	-0.02	70	0.15	70	0.01	
Milk transfer factor for Tc	12	0.50	16	0.04	15	-0.57	15	-0.06	
Fish transfer factor for Tc	53	0.16	46	0.02	76	-0.14	76	-0.01	
Plant transfer factor for Th	17	0.41	21	0.03	21	0.50	20	0.05	
Meat transfer factor for Th	48	-0.20	25	-0.03	58	-0.24	58	-0.02	
Milk transfer factor for Th	57	-0.14	59	-0.01	59	-0.24	59	-0.02	
Fish transfer factor for Th	28	0.27	47	0.02	64	-0.20	64	-0.02	
Plant transfer factor for U	1	1.00	3	0.94	1	1.00	1	0.90	
Meat transfer factor for U	5	0.82	7	0.13	3	0.92	3	0.19	
Milk transfer factor for U	3	0.88	4	0.16	4	0.88	4	0.15	
Fish transfer factor for U	87	0.01	86	0.00	72	0.15	73	0.01	
Well pumping rate	8	0.53	17	0.04	39	-0.37	39	-0.03	
Mass loading for inhalation	18	-0.41	14	-0.04	80	0.07	80	0.01	
Indoor dust filtration factor	16	-0.43	15	-0.04	67	0.17	67	0.01	
Depth of soil mixing layer	63	0.12	67	0.01	87	-0.02	87	0.00	
Depth of roots	37	-0.24	43	-0.02	48	0.32	48	0.03	
Wet weight crop yield of fruit, grain and non-leafy vegetables	24	-0.31	31	-0.03	19	-0.52	18	-0.05	
Weathering removal constant of all vegetation	73	-0.10	65	-0.01	55	0.27	55	0.02	
Wet foliar interception fraction of leafy vegetables	86	-0.02	87	0.00	32	0.44	32	0.04	
R-SQUARE		1.00		1.00		0.99		0.99	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak U-235 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	
Kd of Ac-227 in Contaminated Zone	77	0.04	79	0.03	75	-0.06	75	-0.01	
Kd of Ac-227 in Unsaturated Zone 1	53	-0.14	59	-0.12	16	-0.37	16	-0.09	
Kd of Ac-227 in Saturated Zone	75	-0.07	73	-0.08	45	0.23	43	0.05	
Kd of Am-241 in Contaminated Zone	68	-0.08	64	-0.09	83	-0.03	84	-0.01	
Kd of Am-241 in Unsaturated Zone 1	88	0.01	85	0.02	17	0.35	17	0.08	
Kd of Am-241 in Saturated Zone	44	-0.17	4	-0.72	22	-0.30	23	-0.07	
Kd of Np-237 in Contaminated Zone	29	-0.29	5	-0.71	10	0.41	11	0.10	
Kd of Np-237 in Unsaturated Zone 1	32	0.25	24	0.41	65	0.10	65	0.02	
Kd of Np-237 in Saturated Zone	65	-0.09	67	-0.09	66	0.10	66	0.02	
Kd of Pa-231 in Contaminated Zone	8	-0.46	13	-0.53	6	0.55	6	0.14	
Kd of Pa-231 in Unsaturated Zone 1	73	0.07	36	0.28	5	-0.56	5	-0.15	
Kd of Pa-231 in Saturated Zone	26	-0.30	31	-0.30	8	-0.45	8	-0.11	
Kd of Pb-210 in Contaminated Zone	28	0.29	26	0.37	34	0.27	34	0.06	
Kd of Pb-210 in Unsaturated Zone 1	12	0.45	2	0.94	19	-0.35	19	-0.08	
Kd of Pb-210 in Saturated Zone	20	0.33	10	0.57	30	0.29	30	0.06	
Kd of Pu-239 in Contaminated Zone	80	0.03	77	0.05	69	-0.08	69	-0.02	
Kd of Pu-239 in Unsaturated Zone 1	40	-0.18	39	-0.23	7	-0.48	7	-0.12	
Kd of Pu-239 in Saturated Zone	41	-0.17	41	-0.21	89	0.00	89	0.00	
Kd of Ra-226 in Contaminated Zone	24	0.30	15	0.51	49	0.18	50	0.04	
Kd of Ra-226 in Unsaturated Zone 1	72	0.07	68	0.09	54	0.14	54	0.03	
Kd of Ra-226 in Saturated Zone	83	0.02	84	0.02	88	0.00	88	0.00	
Kd of Ra-228 in Contaminated Zone	66	0.09	45	0.19	26	0.30	27	0.07	
Kd of Ra-228 in Unsaturated Zone 1	21	-0.33	33	-0.29	46	0.22	44	0.05	
Kd of Ra-228 in Saturated Zone	60	-0.12	49	-0.17	33	-0.27	33	-0.06	
Kd of Tc-99 in Saturated Zone	67	0.09	70	0.08	36	0.25	36	0.06	
Kd of Th-228 in Contaminated Zone	52	0.14	66	0.09	58	-0.13	58	-0.03	
Kd of Th-228 in Unsaturated Zone 1	84	-0.01	81	-0.03	55	0.14	55	0.03	
Kd of Th-228 in Saturated Zone	16	-0.39	3	-0.77	51	-0.18	51	-0.04	
Kd of Th-229 in Contaminated Zone	89	0.00	89	0.00	77	0.05	77	0.01	
Kd of Th-229 in Unsaturated Zone 1	31	0.26	9	0.59	41	0.24	41	0.05	
Kd of Th-229 in Saturated Zone	63	-0.11	71	-0.08	14	-0.40	13	-0.09	
Kd of Th-230 in Contaminated Zone	78	-0.04	76	-0.05	53	-0.15	53	-0.03	
Kd of Th-230 in Unsaturated Zone 1	38	0.19	30	0.31	84	-0.03	83	-0.01	
Kd of Th-230 in Saturated Zone	56	0.13	56	0.14	47	-0.21	47	-0.05	
Kd of Th-232 in Contaminated Zone	59	-0.12	58	-0.13	29	0.29	29	0.06	
Kd of Th-232 in Unsaturated Zone 1	81	-0.02	80	-0.03	48	0.19	48	0.04	
Kd of Th-232 in Saturated Zone	22	-0.33	27	-0.34	59	-0.13	59	-0.03	
Kd of U-233 in Saturated Zone	17	0.38	25	0.40	71	-0.07	71	-0.02	
Kd of U-234 in Saturated Zone	39	-0.19	12	-0.56	44	-0.23	45	-0.05	
Kd of U-235 in Saturated Zone	45	-0.17	38	-0.27	13	0.40	12	0.09	
Kd of U-238 in Saturated Zone	14	0.42	8	0.60	85	-0.02	85	0.00	
Plant transfer factor for Ac	33	0.25	40	0.23	4	0.62	4	0.17	
Meat transfer factor for Ac	23	0.31	35	0.29	87	0.01	87	0.00	
Milk transfer factor for Ac	51	-0.15	44	-0.20	81	0.03	81	0.01	
Fish transfer factor for Ac	9	-0.46	11	-0.57	42	0.23	42	0.05	
Plant transfer factor for Am	11	-0.45	22	-0.43	52	-0.17	52	-0.04	
Meat transfer factor for Am	57	-0.13	47	-0.18	72	-0.07	72	-0.02	
Milk transfer factor for Am	58	-0.12	57	-0.13	70	-0.08	70	-0.02	
Fish transfer factor for Am	19	0.35	18	0.46	11	-0.41	10	-0.10	
Plant transfer factor for Pb	1	-0.64	1	-1.11	32	-0.28	32	-0.06	
Meat transfer factor for Pb	79	-0.03	82	-0.02	86	-0.01	86	0.00	
Milk transfer factor for Pb	30	0.26	32	0.29	62	-0.11	62	-0.02	
Fish transfer factor for Pb	43	-0.17	51	-0.16	9	0.43	9	0.10	
Plant transfer factor for Np	82	0.02	86	0.02	50	-0.18	49	-0.04	
Meat transfer factor for Np	61	-0.11	65	-0.09	20	0.34	20	0.08	
Milk transfer factor for Np	27	0.29	37	0.27	37	0.25	40	0.05	
Fish transfer factor for Np	85	-0.01	83	-0.02	15	0.38	15	0.09	
Plant transfer factor for Pu	69	0.08	74	0.07	27	0.30	24	0.07	
Meat transfer factor for Pu	18	-0.36	34	-0.29	61	-0.12	61	-0.03	
Milk transfer factor for Pu	25	0.30	29	0.31	18	-0.35	18	-0.08	
Fish transfer factor for Pu	15	0.40	28	0.31	24	0.30	25	0.07	
Plant transfer factor for Pa	50	-0.15	48	-0.17	1	0.96	1	0.74	
Meat transfer factor for Pa	5	-0.51	21	-0.44	31	-0.28	31	-0.06	
Milk transfer factor for Pa	76	-0.04	78	-0.04	67	-0.10	67	-0.02	
Fish transfer factor for Pa	71	0.08	61	0.12	57	0.14	57	0.03	
Plant transfer factor for Ra	70	0.08	72	0.08	64	0.11	63	0.02	
Meat transfer factor for Ra	47	0.16	43	0.21	12	0.40	14	0.09	
Milk transfer factor for Ra	13	-0.43	20	-0.45	23	-0.30	22	-0.07	
Fish transfer factor for Ra	34	-0.25	23	-0.41	73	0.07	73	0.02	
Plant transfer factor for Tc	86	0.01	87	0.01	60	-0.12	60	-0.03	
Meat transfer factor for Tc	64	0.10	63	0.11	28	0.29	28	0.07	
Milk transfer factor for Tc	74	0.07	75	0.06	82	0.03	82	0.01	
Fish transfer factor for Tc	46	-0.17	54	-0.14	43	-0.23	46	-0.05	
Plant transfer factor for Th	55	0.13	60	0.12	56	0.14	56	0.03	
Meat transfer factor for Th	6	0.50	7	0.63	63	0.11	64	0.02	
Milk transfer factor for Th	37	0.20	50	0.16	38	0.25	39	0.05	
Fish transfer factor for Th	48	-0.16	52	-0.15	35	0.26	35	0.06	
Plant transfer factor for U	3	0.53	16	0.46	2	0.71	2	0.21	
Meat transfer factor for U	42	-0.17	53	-0.14	3	0.69	3	0.20	
Milk transfer factor for U	36	0.20	46	0.18	39	0.25	37	0.06	
Fish transfer factor for U	2	-0.54	14	-0.52	25	-0.30	26	-0.07	
Well pumping rate	35	-0.24	42	-0.21	74	-0.06	74	-0.01	
Mass loading for inhalation	4	-0.52	17	-0.46	40	-0.24	38	-0.05	
Indoor dust filtration factor	7	-0.48	19	-0.46	79	0.03	79	0.01	
Depth of soil mixing layer	87	0.01	88	0.01	76	0.06	76	0.01	
Depth of roots	49	-0.15	62	-0.11	80	0.03	80	0.01	
Wet weight crop yield of fruit, grain and non-leafy vegetables	62	0.11	69	0.09	78	-0.04	78	-0.01	
Weathering removal constant of all vegetation	54	0.13	55	0.14	68	-0.08	68	-0.02	
Wet foliar interception fraction of leafy vegetables	10	-0.46	6	-0.68	21	-0.33	21	-0.07	

R-SQUARE 0.83 0.83 0.96 0.96

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak U-235 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	
Kd of Ac-227 in Contaminated Zone	88	0.01	87	0.00	27	0.27	27	0.07	
Kd of Ac-227 in Unsaturated Zone 1	66	0.08	62	0.05	25	-0.29	25	-0.07	
Kd of Ac-227 in Saturated Zone	25	-0.39	41	-0.13	21	0.32	22	0.08	
Kd of Am-241 in Contaminated Zone	6	0.53	14	0.27	44	0.18	45	0.04	
Kd of Am-241 in Unsaturated Zone 1	40	-0.26	4	-0.54	59	0.12	59	0.03	
Kd of Am-241 in Saturated Zone	43	0.24	32	0.18	32	0.23	34	0.06	
Kd of Np-237 in Contaminated Zone	89	0.00	89	0.00	83	0.01	83	0.00	
Kd of Np-237 in Unsaturated Zone 1	13	0.46	26	0.21	86	0.01	86	0.00	
Kd of Np-237 in Saturated Zone	20	-0.40	8	-0.36	51	-0.16	50	-0.04	
Kd of Pa-231 in Contaminated Zone	30	-0.33	34	-0.17	10	0.49	10	0.14	
Kd of Pa-231 in Unsaturated Zone 1	56	-0.16	56	-0.08	2	-0.83	2	-0.35	
Kd of Pa-231 in Saturated Zone	71	-0.05	74	-0.02	3	-0.64	3	-0.20	
Kd of Pb-210 in Contaminated Zone	74	0.04	60	0.06	75	-0.04	75	-0.01	
Kd of Pb-210 in Unsaturated Zone 1	35	-0.30	29	-0.19	66	-0.09	66	-0.02	
Kd of Pb-210 in Saturated Zone	1	0.81	3	0.60	31	-0.23	31	-0.06	
Kd of Pu-239 in Contaminated Zone	69	-0.08	69	-0.04	28	0.27	28	0.07	
Kd of Pu-239 in Unsaturated Zone 1	73	0.05	71	0.03	58	-0.12	58	-0.03	
Kd of Pu-239 in Saturated Zone	3	0.61	1	0.91	11	0.47	11	0.13	
Kd of Ra-226 in Contaminated Zone	24	0.39	31	0.18	84	0.01	84	0.00	
Kd of Ra-226 in Unsaturated Zone 1	78	-0.03	77	-0.02	47	0.17	47	0.04	
Kd of Ra-226 in Saturated Zone	33	0.32	5	0.52	76	0.04	77	0.01	
Kd of Ra-228 in Contaminated Zone	44	0.23	6	0.48	56	-0.14	56	-0.03	
Kd of Ra-228 in Unsaturated Zone 1	63	-0.10	64	-0.05	70	-0.08	70	-0.02	
Kd of Ra-228 in Saturated Zone	26	0.38	15	0.27	23	0.31	23	0.08	
Kd of Tc-99 in Saturated Zone	57	-0.15	44	-0.12	30	0.24	30	0.06	
Kd of Th-228 in Contaminated Zone	49	-0.19	52	-0.08	13	-0.44	13	-0.12	
Kd of Th-228 in Unsaturated Zone 1	77	0.03	78	0.02	26	0.28	26	0.07	
Kd of Th-228 in Saturated Zone	52	0.17	55	0.08	62	0.11	62	0.03	
Kd of Th-229 in Contaminated Zone	14	0.45	16	0.27	36	-0.21	36	-0.05	
Kd of Th-229 in Unsaturated Zone 1	37	-0.28	47	-0.11	55	0.15	55	0.04	
Kd of Th-229 in Saturated Zone	61	0.13	27	0.20	79	0.04	79	0.01	
Kd of Th-230 in Contaminated Zone	29	0.34	12	0.29	12	0.46	12	0.12	
Kd of Th-230 in Unsaturated Zone 1	32	-0.32	13	-0.28	71	0.08	71	0.02	
Kd of Th-230 in Saturated Zone	34	-0.31	7	-0.47	49	0.17	51	0.04	
Kd of Th-232 in Contaminated Zone	79	-0.03	79	-0.01	87	-0.01	87	0.00	
Kd of Th-232 in Unsaturated Zone 1	67	0.08	72	0.03	34	0.22	33	0.06	
Kd of Th-232 in Saturated Zone	70	-0.06	68	-0.04	89	0.00	89	0.00	
Kd of U-233 in Saturated Zone	45	0.20	43	0.12	74	0.05	74	0.01	
Kd of U-234 in Saturated Zone	54	-0.17	46	-0.11	22	-0.32	21	-0.08	
Kd of U-235 in Saturated Zone	82	0.02	82	0.01	8	-0.53	8	-0.15	
Kd of U-238 in Saturated Zone	11	-0.49	2	-0.73	54	-0.16	53	-0.04	
Plant transfer factor for Ac	38	0.27	42	0.12	7	0.53	6	0.15	
Meat transfer factor for Ac	64	0.09	65	0.05	37	0.21	37	0.05	
Milk transfer factor for Ac	47	0.19	50	0.09	50	0.17	49	0.04	
Fish transfer factor for Ac	76	-0.04	75	-0.02	43	-0.18	44	-0.04	
Plant transfer factor for Am	23	0.39	30	0.19	18	-0.35	18	-0.09	
Meat transfer factor for Am	65	0.08	66	0.04	57	0.13	57	0.03	
Milk transfer factor for Am	50	-0.18	54	-0.08	82	0.02	82	0.00	
Fish transfer factor for Am	53	0.17	51	0.09	4	0.62	4	0.19	
Plant transfer factor for Pb	60	-0.13	53	-0.08	46	0.17	43	0.04	
Meat transfer factor for Pb	10	0.49	21	0.23	72	0.07	72	0.02	
Milk transfer factor for Pb	31	-0.33	38	-0.15	35	-0.22	35	-0.05	
Fish transfer factor for Pb	5	-0.54	19	-0.24	5	-0.55	5	-0.16	
Plant transfer factor for Np	18	0.42	11	0.32	42	0.18	42	0.05	
Meat transfer factor for Np	36	-0.30	40	-0.14	39	-0.20	39	-0.05	
Milk transfer factor for Np	84	-0.01	85	-0.01	48	-0.17	48	-0.04	
Fish transfer factor for Np	41	-0.25	37	-0.16	29	0.26	29	0.07	
Plant transfer factor for Pu	81	0.02	81	0.01	63	0.11	63	0.03	
Meat transfer factor for Pu	55	-0.17	59	-0.06	15	-0.41	15	-0.11	
Milk transfer factor for Pu	22	0.39	35	0.16	85	-0.01	85	0.00	
Fish transfer factor for Pu	19	0.41	25	0.21	81	-0.02	81	-0.01	
Plant transfer factor for Pa	75	0.04	73	0.03	1	0.94	1	0.64	
Meat transfer factor for Pa	39	-0.26	48	-0.10	52	-0.16	52	-0.04	
Milk transfer factor for Pa	51	-0.17	57	-0.07	40	-0.20	40	-0.05	
Fish transfer factor for Pa	46	0.20	49	0.10	60	0.12	60	0.03	
Plant transfer factor for Ra	58	-0.15	63	-0.05	19	-0.35	19	-0.09	
Meat transfer factor for Ra	86	-0.01	86	0.00	24	0.31	24	0.08	
Milk transfer factor for Ra	87	0.01	88	0.00	68	-0.08	68	-0.02	
Fish transfer factor for Ra	9	-0.50	24	-0.22	67	0.09	67	0.02	
Plant transfer factor for Tc	85	0.01	84	0.01	9	-0.51	9	-0.14	
Meat transfer factor for Tc	7	-0.53	17	-0.26	88	0.00	88	0.00	
Milk transfer factor for Tc	17	0.42	36	0.16	45	-0.17	46	-0.04	
Fish transfer factor for Tc	80	-0.02	80	-0.01	14	0.41	14	0.11	
Plant transfer factor for Th	4	-0.57	9	-0.36	78	-0.04	78	-0.01	
Meat transfer factor for Th	12	-0.47	22	-0.23	38	0.20	38	0.05	
Milk transfer factor for Th	21	0.40	23	0.22	77	-0.04	76	-0.01	
Fish transfer factor for Th	8	-0.51	18	-0.26	80	0.03	80	0.01	
Plant transfer factor for U	28	-0.37	33	-0.17	6	0.54	7	0.15	
Meat transfer factor for U	27	0.38	39	0.15	69	-0.08	69	-0.02	
Milk transfer factor for U	48	-0.19	58	-0.06	33	0.22	32	0.06	
Fish transfer factor for U	83	-0.02	83	-0.01	61	-0.11	61	-0.03	
Well pumping rate	42	0.24	45	0.12	65	-0.09	65	-0.02	
Mass loading for inhalation	59	0.13	67	0.04	20	0.33	20	0.08	
Indoor dust filtration factor	68	0.08	70	0.03	53	0.16	54	0.04	
Depth of soil mixing layer	2	-0.67	10	-0.35	16	-0.38	16	-0.10	
Depth of roots	62	-0.11	61	-0.06	73	0.06	73	0.02	
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	-0.44	28	-0.20	64	0.09	64	0.02	
Weathering removal constant of all vegetation	16	0.44	20	0.23	41	0.19	41	0.05	
Wet foliar interception fraction of leafy vegetables	72	0.05	76	0.02	17	0.37	17	0.09	

R-SQUARE 0.95 0.95 0.95 0.95

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak U-235 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Ac-227 in Contaminated Zone	14	-0.38	31	-0.24	18	-0.35	17	-0.09	
Kd of Ac-227 in Unsaturated Zone 1	56	-0.12	61	-0.10	10	-0.45	10	-0.13	
Kd of Ac-227 in Saturated Zone	25	-0.29	24	-0.30	7	-0.52	7	-0.15	
Kd of Am-241 in Contaminated Zone	88	-0.01	88	-0.01	5	0.54	5	0.16	
Kd of Am-241 in Unsaturated Zone 1	61	-0.11	2	-6.26	66	0.10	66	0.03	
Kd of Am-241 in Saturated Zone	51	-0.17	59	-0.11	67	-0.10	67	-0.02	
Kd of Np-237 in Contaminated Zone	31	0.25	50	0.17	8	0.50	8	0.14	
Kd of Np-237 in Unsaturated Zone 1	44	0.19	37	0.19	85	-0.02	85	-0.01	
Kd of Np-237 in Saturated Zone	27	0.26	28	0.26	82	-0.03	82	-0.01	
Kd of Pa-231 in Contaminated Zone	79	0.04	81	0.03	42	0.19	42	0.05	
Kd of Pa-231 in Unsaturated Zone 1	32	-0.25	21	-0.32	4	-0.55	4	-0.17	
Kd of Pa-231 in Saturated Zone	53	-0.15	44	-0.18	25	-0.28	25	-0.07	
Kd of Pb-210 in Contaminated Zone	36	0.23	47	0.17	13	-0.41	13	-0.11	
Kd of Pb-210 in Unsaturated Zone 1	58	-0.12	43	-0.18	40	0.19	40	0.05	
Kd of Pb-210 in Saturated Zone	71	-0.06	72	-0.06	41	-0.19	41	-0.05	
Kd of Pu-239 in Contaminated Zone	50	0.17	46	0.18	20	0.31	21	0.08	
Kd of Pu-239 in Unsaturated Zone 1	87	0.01	89	0.01	49	0.15	49	0.04	
Kd of Pu-239 in Saturated Zone	62	-0.11	63	-0.10	59	-0.12	59	-0.03	
Kd of Ra-226 in Contaminated Zone	21	0.31	29	0.26	64	-0.10	65	-0.03	
Kd of Ra-226 in Unsaturated Zone 1	39	0.21	41	0.19	80	0.04	80	0.01	
Kd of Ra-226 in Saturated Zone	48	0.18	49	0.17	79	0.04	79	0.01	
Kd of Ra-228 in Contaminated Zone	83	0.02	83	0.02	28	-0.26	28	-0.07	
Kd of Ra-228 in Unsaturated Zone 1	13	0.41	6	0.66	32	-0.24	32	-0.06	
Kd of Ra-228 in Saturated Zone	24	0.29	30	0.24	31	0.25	31	0.06	
Kd of Tc-99 in Saturated Zone	64	0.11	67	0.07	51	0.15	51	0.04	
Kd of Th-228 in Contaminated Zone	30	0.25	35	0.20	34	0.23	33	0.06	
Kd of Th-228 in Unsaturated Zone 1	34	0.24	15	0.42	55	-0.14	55	-0.03	
Kd of Th-228 in Saturated Zone	45	-0.19	54	-0.15	21	0.31	20	0.08	
Kd of Th-229 in Contaminated Zone	22	-0.31	32	-0.23	19	0.34	19	0.09	
Kd of Th-229 in Unsaturated Zone 1	9	0.44	18	0.37	76	0.06	76	0.01	
Kd of Th-229 in Saturated Zone	26	-0.29	22	-0.31	81	-0.03	81	-0.01	
Kd of Th-230 in Contaminated Zone	11	-0.42	16	-0.41	22	-0.30	23	-0.08	
Kd of Th-230 in Unsaturated Zone 1	42	-0.19	58	-0.13	26	0.26	26	0.07	
Kd of Th-230 in Saturated Zone	76	-0.05	65	-0.08	71	0.08	71	0.02	
Kd of Th-232 in Contaminated Zone	68	0.09	62	0.10	73	0.07	73	0.02	
Kd of Th-232 in Unsaturated Zone 1	60	0.12	1	6.29	63	-0.11	61	-0.03	
Kd of Th-232 in Saturated Zone	67	0.09	70	0.06	60	-0.12	60	-0.03	
Kd of U-233 in Saturated Zone	47	-0.18	51	-0.16	86	-0.02	86	0.00	
Kd of U-234 in Saturated Zone	52	0.16	45	0.18	53	0.14	53	0.04	
Kd of U-235 in Saturated Zone	3	0.57	3	1.06	70	0.08	70	0.02	
Kd of U-238 in Saturated Zone	7	-0.51	4	-0.95	6	-0.54	6	-0.16	
Plant transfer factor for Ac	59	-0.12	53	-0.15	16	0.36	16	0.10	
Meat transfer factor for Ac	77	-0.05	77	-0.04	78	0.05	78	0.01	
Milk transfer factor for Ac	41	0.21	52	0.15	24	0.29	24	0.08	
Fish transfer factor for Ac	33	0.25	20	0.33	9	0.47	9	0.13	
Plant transfer factor for Am	35	-0.24	38	-0.19	14	-0.40	14	-0.11	
Meat transfer factor for Am	57	0.12	57	0.14	46	0.17	46	0.04	
Milk transfer factor for Am	20	-0.32	17	-0.40	84	-0.02	84	-0.01	
Fish transfer factor for Am	80	-0.04	80	-0.03	29	0.25	30	0.06	
Plant transfer factor for Pb	15	0.37	9	0.59	27	0.26	27	0.07	
Meat transfer factor for Pb	6	0.52	10	0.56	72	0.08	72	0.02	
Milk transfer factor for Pb	85	-0.02	85	-0.02	52	0.14	52	0.04	
Fish transfer factor for Pb	55	0.12	69	0.07	62	-0.11	63	-0.03	
Plant transfer factor for Np	4	0.54	12	0.48	47	-0.16	47	-0.04	
Meat transfer factor for Np	1	-0.64	8	-0.60	12	-0.42	12	-0.11	
Milk transfer factor for Np	12	0.41	7	0.61	39	0.20	39	0.05	
Fish transfer factor for Np	2	-0.58	5	-0.95	3	-0.56	3	-0.17	
Plant transfer factor for Pu	75	0.05	78	0.04	36	0.22	35	0.06	
Meat transfer factor for Pu	65	0.10	68	0.07	75	-0.07	75	-0.02	
Milk transfer factor for Pu	72	-0.06	75	-0.05	30	0.25	29	0.06	
Fish transfer factor for Pu	84	-0.02	86	-0.01	43	0.19	43	0.05	
Plant transfer factor for Pa	18	0.33	27	0.26	1	0.95	1	0.73	
Meat transfer factor for Pa	40	-0.21	26	-0.27	89	0.00	89	0.00	
Milk transfer factor for Pa	19	-0.32	14	-0.42	68	0.09	68	0.02	
Fish transfer factor for Pa	73	-0.06	76	-0.04	38	-0.20	38	-0.05	
Plant transfer factor for Ra	86	-0.01	84	-0.02	17	0.35	18	0.09	
Meat transfer factor for Ra	82	0.03	82	0.02	57	-0.13	57	-0.03	
Milk transfer factor for Ra	28	0.26	34	0.21	65	-0.10	64	-0.03	
Fish transfer factor for Ra	66	0.10	73	0.06	48	-0.16	48	-0.04	
Plant transfer factor for Tc	16	-0.37	19	-0.33	83	-0.03	83	-0.01	
Meat transfer factor for Tc	49	0.17	48	0.17	15	0.38	15	0.10	
Milk transfer factor for Tc	17	-0.35	23	-0.30	74	0.07	74	0.02	
Fish transfer factor for Tc	89	0.01	87	0.01	61	0.11	62	0.03	
Plant transfer factor for Th	37	-0.23	40	-0.19	56	-0.13	56	-0.03	
Meat transfer factor for Th	78	-0.05	66	-0.07	37	0.22	37	0.06	
Milk transfer factor for Th	8	0.45	13	0.45	23	-0.30	22	-0.08	
Fish transfer factor for Th	23	0.30	36	0.20	44	-0.18	44	-0.05	
Plant transfer factor for U	38	-0.23	42	-0.19	2	0.65	2	0.21	
Meat transfer factor for U	54	-0.14	55	-0.14	54	0.14	54	0.04	
Milk transfer factor for U	63	-0.11	60	-0.10	45	0.18	45	0.05	
Fish transfer factor for U	43	-0.19	39	-0.19	33	-0.23	34	-0.06	
Well pumping rate	46	0.19	56	0.14	87	-0.02	87	0.00	
Mass loading for inhalation	81	0.03	79	0.03	69	-0.09	69	-0.02	
Indoor dust filtration factor	74	0.06	74	0.06	35	-0.22	36	-0.06	
Depth of soil mixing layer	5	-0.52	11	-0.52	50	0.15	50	0.04	
Depth of roots	70	-0.07	71	-0.06	77	-0.05	77	-0.01	
Wet weight crop yield of fruit, grain and non-leafy vegetables	29	0.26	33	0.23	88	-0.01	88	0.00	
Weathering removal constant of all vegetation	69	-0.07	64	-0.08	11	0.43	11	0.12	
Wet foliar interception fraction of leafy vegetables	10	-0.43	25	-0.27	58	-0.13	58	-0.03	

R-SQUARE 0.86 0.86 0.94 0.94

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak U-238 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Ac-227 in Contaminated Zone	49	0.17	56	0.00	26	0.37	27	0.03	
Kd of Ac-227 in Unsaturated Zone 1	66	0.11	68	0.00	63	0.12	63	0.01	
Kd of Ac-227 in Saturated Zone	5	-0.63	5	-0.01	32	-0.33	32	-0.03	
Kd of Am-241 in Contaminated Zone	48	0.18	49	0.00	53	0.18	54	0.02	
Kd of Am-241 in Unsaturated Zone 1	87	0.00	88	0.00	83	0.03	83	0.00	
Kd of Am-241 in Saturated Zone	81	0.03	60	0.00	80	0.05	80	0.00	
Kd of Np-237 in Contaminated Zone	25	-0.29	8	-0.01	52	-0.18	53	-0.02	
Kd of Np-237 in Unsaturated Zone 1	78	0.05	72	0.00	48	-0.20	48	-0.02	
Kd of Np-237 in Saturated Zone	23	-0.30	29	0.00	16	-0.44	15	-0.04	
Kd of Pa-231 in Contaminated Zone	35	-0.23	38	0.00	56	-0.16	57	-0.01	
Kd of Pa-231 in Unsaturated Zone 1	65	-0.12	13	0.00	76	0.07	76	0.01	
Kd of Pa-231 in Saturated Zone	89	0.00	89	0.00	86	-0.02	86	0.00	
Kd of Pb-210 in Contaminated Zone	80	-0.04	81	0.00	59	-0.15	59	-0.01	
Kd of Pb-210 in Unsaturated Zone 1	44	0.18	22	0.00	18	0.43	16	0.04	
Kd of Pb-210 in Saturated Zone	76	-0.05	70	0.00	11	-0.51	11	-0.05	
Kd of Pu-239 in Contaminated Zone	45	-0.18	32	0.00	88	0.01	88	0.00	
Kd of Pu-239 in Unsaturated Zone 1	77	-0.05	75	0.00	31	0.33	31	0.03	
Kd of Pu-239 in Saturated Zone	75	0.06	74	0.00	47	-0.20	47	-0.02	
Kd of Ra-226 in Contaminated Zone	41	0.20	24	0.00	42	-0.26	42	-0.02	
Kd of Ra-226 in Unsaturated Zone 1	52	-0.16	46	0.00	78	-0.06	79	0.00	
Kd of Ra-226 in Saturated Zone	24	0.29	19	0.00	73	-0.07	73	-0.01	
Kd of Ra-228 in Contaminated Zone	33	0.24	12	0.01	33	-0.32	33	-0.03	
Kd of Ra-228 in Unsaturated Zone 1	32	-0.26	42	0.00	38	-0.28	37	-0.03	
Kd of Ra-228 in Saturated Zone	12	-0.39	11	-0.01	49	-0.19	49	-0.02	
Kd of Tc-99 in Saturated Zone	27	-0.29	33	0.00	55	0.16	55	0.01	
Kd of Th-228 in Contaminated Zone	69	-0.08	83	0.00	23	0.40	24	0.04	
Kd of Th-228 in Unsaturated Zone 1	51	-0.16	21	0.00	57	-0.16	56	-0.01	
Kd of Th-228 in Saturated Zone	84	0.03	80	0.00	27	0.36	28	0.03	
Kd of Th-229 in Contaminated Zone	14	-0.35	27	0.00	82	-0.03	82	0.00	
Kd of Th-229 in Unsaturated Zone 1	57	0.14	28	0.00	87	-0.02	87	0.00	
Kd of Th-229 in Saturated Zone	39	-0.21	53	0.00	35	0.31	35	0.03	
Kd of Th-230 in Contaminated Zone	85	0.01	85	0.00	14	0.46	14	0.04	
Kd of Th-230 in Unsaturated Zone 1	9	-0.42	6	-0.01	4	-0.70	4	-0.08	
Kd of Th-230 in Saturated Zone	36	-0.22	37	0.00	45	0.21	45	0.02	
Kd of Th-232 in Contaminated Zone	70	0.08	71	0.00	70	0.08	70	0.01	
Kd of Th-232 in Unsaturated Zone 1	29	0.28	15	0.00	71	0.08	71	0.01	
Kd of Th-232 in Saturated Zone	37	-0.22	43	0.00	22	-0.41	22	-0.04	
Kd of U-233 in Saturated Zone	40	-0.21	47	0.00	43	-0.23	43	-0.02	
Kd of U-234 in Saturated Zone	88	0.00	87	0.00	20	0.41	21	0.04	
Kd of U-235 in Saturated Zone	13	0.37	9	0.01	68	-0.09	68	-0.01	
Kd of U-238 in Saturated Zone	30	0.28	16	0.00	58	-0.16	58	-0.01	
Plant transfer factor for Ac	74	0.06	82	0.00	69	-0.08	69	-0.01	
Meat transfer factor for Ac	58	0.14	62	0.00	46	-0.21	46	-0.02	
Milk transfer factor for Ac	62	-0.12	55	0.00	19	0.42	19	0.04	
Fish transfer factor for Ac	46	-0.18	50	0.00	41	-0.26	41	-0.02	
Plant transfer factor for Am	56	0.14	63	0.00	84	0.03	84	0.00	
Meat transfer factor for Am	7	-0.46	7	-0.01	9	0.55	8	0.06	
Milk transfer factor for Am	73	0.06	76	0.00	77	-0.06	77	-0.01	
Fish transfer factor for Am	67	0.09	64	0.00	30	-0.36	29	-0.03	
Plant transfer factor for Pb	86	-0.01	86	0.00	12	-0.48	12	-0.05	
Meat transfer factor for Pb	61	0.13	67	0.00	10	0.52	10	0.05	
Milk transfer factor for Pb	31	0.27	31	0.00	25	0.39	25	0.04	
Fish transfer factor for Pb	15	-0.35	23	0.00	79	-0.06	78	-0.01	
Plant transfer factor for Np	22	-0.30	30	0.00	62	0.12	62	0.01	
Meat transfer factor for Np	43	-0.19	54	0.00	13	0.47	13	0.05	
Milk transfer factor for Np	21	-0.30	34	0.00	29	-0.36	30	-0.03	
Fish transfer factor for Np	59	0.13	39	0.00	67	-0.09	67	-0.01	
Plant transfer factor for Pu	6	-0.57	10	-0.01	50	-0.18	50	-0.02	
Meat transfer factor for Pu	26	0.29	41	0.00	66	-0.09	66	-0.01	
Milk transfer factor for Pu	55	-0.15	57	0.00	85	0.02	85	0.00	
Fish transfer factor for Pu	17	-0.34	36	0.00	89	0.00	89	0.00	
Plant transfer factor for Pa	19	-0.31	18	0.00	24	-0.40	23	-0.04	
Meat transfer factor for Pa	64	-0.12	69	0.00	65	-0.10	65	-0.01	
Milk transfer factor for Pa	63	0.12	65	0.00	61	0.14	61	0.01	
Fish transfer factor for Pa	68	-0.09	59	0.00	81	0.04	81	0.00	
Plant transfer factor for Ra	50	0.17	52	0.00	44	-0.22	44	-0.02	
Meat transfer factor for Ra	54	0.15	51	0.00	8	0.55	9	0.06	
Milk transfer factor for Ra	18	0.33	25	0.00	5	-0.64	5	-0.07	
Fish transfer factor for Ra	82	0.03	79	0.00	37	-0.28	38	-0.03	
Plant transfer factor for Tc	71	-0.08	73	0.00	40	-0.26	40	-0.02	
Meat transfer factor for Tc	42	-0.20	44	0.00	21	0.41	20	0.04	
Milk transfer factor for Tc	16	0.34	26	0.00	36	0.30	36	0.03	
Fish transfer factor for Tc	10	0.40	17	0.00	15	0.44	18	0.04	
Plant transfer factor for Th	8	-0.43	14	0.00	64	0.10	64	0.01	
Meat transfer factor for Th	83	-0.03	84	0.00	60	0.14	60	0.01	
Milk transfer factor for Th	53	-0.16	61	0.00	72	0.08	72	0.01	
Fish transfer factor for Th	72	0.06	78	0.00	28	-0.36	26	-0.03	
Plant transfer factor for U	1	1.00	1	0.99	1	1.00	1	0.92	
Meat transfer factor for U	3	1.00	3	0.12	3	0.87	3	0.15	
Milk transfer factor for U	2	1.00	2	0.15	2	0.95	2	0.27	
Fish transfer factor for U	47	0.18	58	0.00	39	-0.27	39	-0.02	
Well pumping rate	60	-0.13	66	0.00	7	-0.60	7	-0.07	
Mass loading for inhalation	4	0.84	4	0.01	6	0.60	6	0.07	
Indoor dust filtration factor	20	0.30	35	0.00	75	-0.07	75	-0.01	
Depth of soil mixing layer	11	-0.40	20	0.00	51	-0.18	51	-0.02	
Depth of roots	28	0.28	45	0.00	34	0.31	34	0.03	
Wet weight crop yield of fruit, grain and non-leafy vegetables	34	0.24	48	0.00	74	-0.07	74	-0.01	
Weathering removal constant of all vegetation	38	0.21	40	0.00	54	-0.18	52	-0.02	
Wet foliar interception fraction of leafy vegetables	79	0.05	77	0.00	17	-0.43	17	-0.04	

R-SQUARE 1.00 1.00 0.99 0.99

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak U-238 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	
Kd of Ac-227 in Contaminated Zone	27	0.50	20	0.01	71	0.09	71	0.01	
Kd of Ac-227 in Unsaturated Zone 1	46	-0.34	36	0.00	30	0.30	30	0.02	
Kd of Ac-227 in Saturated Zone	71	0.13	78	0.00	4	0.73	4	0.08	
Kd of Am-241 in Contaminated Zone	70	0.14	75	0.00	85	-0.02	85	0.00	
Kd of Am-241 in Unsaturated Zone 1	47	0.33	10	0.01	33	-0.29	33	-0.02	
Kd of Am-241 in Saturated Zone	56	-0.25	44	0.00	41	0.20	41	0.01	
Kd of Np-237 in Contaminated Zone	59	0.21	58	0.00	81	0.03	81	0.00	
Kd of Np-237 in Unsaturated Zone 1	69	-0.15	74	0.00	6	-0.60	6	-0.05	
Kd of Np-237 in Saturated Zone	13	-0.65	11	-0.01	47	0.18	47	0.01	
Kd of Pa-231 in Contaminated Zone	63	0.18	63	0.00	24	0.35	24	0.03	
Kd of Pa-231 in Unsaturated Zone 1	66	0.17	65	0.00	18	-0.41	18	-0.03	
Kd of Pa-231 in Saturated Zone	78	-0.09	79	0.00	87	0.01	87	0.00	
Kd of Pb-210 in Contaminated Zone	21	0.54	5	0.01	62	0.11	63	0.01	
Kd of Pb-210 in Unsaturated Zone 1	6	-0.77	9	-0.01	13	0.52	13	0.04	
Kd of Pb-210 in Saturated Zone	57	-0.24	59	0.00	78	-0.06	78	0.00	
Kd of Pu-239 in Contaminated Zone	79	0.09	80	0.00	43	0.19	44	0.01	
Kd of Pu-239 in Unsaturated Zone 1	37	-0.42	26	-0.01	31	-0.30	32	-0.02	
Kd of Pu-239 in Saturated Zone	22	-0.54	8	-0.01	25	-0.35	27	-0.03	
Kd of Ra-226 in Contaminated Zone	85	0.05	85	0.00	22	0.36	22	0.03	
Kd of Ra-226 in Unsaturated Zone 1	23	0.52	25	0.01	57	0.13	57	0.01	
Kd of Ra-226 in Saturated Zone	72	-0.13	41	0.00	77	-0.06	77	0.00	
Kd of Ra-228 in Contaminated Zone	38	-0.39	6	-0.01	56	0.15	56	0.01	
Kd of Ra-228 in Unsaturated Zone 1	74	0.12	76	0.00	29	-0.32	29	-0.02	
Kd of Ra-228 in Saturated Zone	18	0.61	16	0.01	51	0.17	51	0.01	
Kd of Tc-99 in Saturated Zone	77	0.09	69	0.00	7	0.58	7	0.05	
Kd of Th-228 in Contaminated Zone	10	0.67	21	0.01	15	-0.48	15	-0.04	
Kd of Th-228 in Unsaturated Zone 1	31	0.46	34	0.00	73	0.07	73	0.01	
Kd of Th-228 in Saturated Zone	75	0.11	77	0.00	76	0.06	76	0.00	
Kd of Th-229 in Contaminated Zone	7	0.70	15	0.01	5	-0.62	5	-0.06	
Kd of Th-229 in Unsaturated Zone 1	61	0.20	68	0.00	75	0.07	75	0.00	
Kd of Th-229 in Saturated Zone	40	-0.38	13	-0.01	19	0.41	19	0.03	
Kd of Th-230 in Contaminated Zone	16	0.62	12	0.01	12	-0.54	12	-0.05	
Kd of Th-230 in Unsaturated Zone 1	35	0.42	23	0.01	80	-0.04	80	0.00	
Kd of Th-230 in Saturated Zone	84	0.05	67	0.00	38	-0.22	38	-0.02	
Kd of Th-232 in Contaminated Zone	51	-0.32	50	0.00	60	0.12	60	0.01	
Kd of Th-232 in Unsaturated Zone 1	14	-0.63	31	0.00	46	0.18	46	0.01	
Kd of Th-232 in Saturated Zone	32	-0.45	28	0.00	44	-0.19	43	-0.01	
Kd of U-233 in Saturated Zone	53	0.29	49	0.00	79	0.06	79	0.00	
Kd of U-234 in Saturated Zone	87	0.02	87	0.00	20	0.40	20	0.03	
Kd of U-235 in Saturated Zone	54	0.26	57	0.00	37	-0.23	37	-0.02	
Kd of U-238 in Saturated Zone	12	0.65	4	0.02	68	-0.10	69	-0.01	
Plant transfer factor for Ac	82	0.07	82	0.00	32	0.30	31	0.02	
Meat transfer factor for Ac	9	-0.67	19	-0.01	69	-0.10	68	-0.01	
Milk transfer factor for Ac	17	0.61	24	0.01	54	0.15	54	0.01	
Fish transfer factor for Ac	25	0.50	27	0.00	11	-0.55	11	-0.05	
Plant transfer factor for Am	68	0.16	71	0.00	59	-0.12	59	-0.01	
Meat transfer factor for Am	49	0.33	48	0.00	67	-0.10	67	-0.01	
Milk transfer factor for Am	88	0.01	88	0.00	8	-0.57	8	-0.05	
Fish transfer factor for Am	43	-0.36	42	0.00	89	0.00	89	0.00	
Plant transfer factor for Pb	67	-0.17	60	0.00	23	-0.36	23	-0.03	
Meat transfer factor for Pb	86	-0.03	86	0.00	84	-0.02	84	0.00	
Milk transfer factor for Pb	48	-0.33	54	0.00	88	0.00	88	0.00	
Fish transfer factor for Pb	19	0.59	30	0.00	39	-0.22	39	-0.02	
Plant transfer factor for Np	20	0.57	17	0.01	53	-0.15	53	-0.01	
Meat transfer factor for Np	83	0.07	83	0.00	34	-0.27	34	-0.02	
Milk transfer factor for Np	29	0.47	38	0.00	70	0.09	70	0.01	
Fish transfer factor for Np	73	-0.12	66	0.00	72	-0.08	72	-0.01	
Plant transfer factor for Pu	55	0.26	56	0.00	40	0.21	40	0.02	
Meat transfer factor for Pu	62	0.19	70	0.00	74	-0.07	74	-0.01	
Milk transfer factor for Pu	81	0.08	84	0.00	49	0.17	49	0.01	
Fish transfer factor for Pu	50	-0.32	51	0.00	55	0.15	55	0.01	
Plant transfer factor for Pa	5	-0.77	7	-0.01	36	0.23	36	0.02	
Meat transfer factor for Pa	80	0.08	81	0.00	63	-0.11	62	-0.01	
Milk transfer factor for Pa	41	0.37	55	0.00	65	-0.11	65	-0.01	
Fish transfer factor for Pa	36	0.42	40	0.00	50	0.17	50	0.01	
Plant transfer factor for Ra	15	0.62	33	0.00	86	-0.01	86	0.00	
Meat transfer factor for Ra	28	-0.49	29	0.00	14	0.50	14	0.04	
Milk transfer factor for Ra	34	0.43	45	0.00	48	0.18	48	0.01	
Fish transfer factor for Ra	26	0.50	39	0.00	16	0.47	16	0.04	
Plant transfer factor for Tc	76	0.09	73	0.00	45	-0.19	45	-0.01	
Meat transfer factor for Tc	89	-0.01	89	0.00	42	-0.20	42	-0.01	
Milk transfer factor for Tc	30	0.46	47	0.00	64	-0.11	64	-0.01	
Fish transfer factor for Tc	39	-0.39	35	0.00	66	-0.10	66	-0.01	
Plant transfer factor for Th	8	0.68	18	0.01	58	0.13	58	0.01	
Meat transfer factor for Th	58	-0.22	62	0.00	52	-0.16	52	-0.01	
Milk transfer factor for Th	44	-0.36	43	0.00	28	0.33	28	0.03	
Fish transfer factor for Th	60	0.20	64	0.00	17	-0.46	17	-0.04	
Plant transfer factor for U	1	1.00	1	0.99	1	1.00	1	0.95	
Meat transfer factor for U	3	1.00	3	0.12	3	0.94	3	0.19	
Milk transfer factor for U	2	1.00	2	0.16	2	0.96	2	0.24	
Fish transfer factor for U	33	0.45	32	0.00	27	-0.34	26	-0.03	
Well pumping rate	45	-0.36	46	0.00	83	-0.02	83	0.00	
Mass loading for inhalation	4	0.90	14	0.01	21	0.37	21	0.03	
Indoor dust filtration factor	11	0.67	22	0.01	82	-0.03	82	0.00	
Depth of soil mixing layer	65	0.17	72	0.00	61	0.11	61	0.01	
Depth of roots	64	0.18	61	0.00	10	-0.56	10	-0.05	
Wet weight crop yield of fruit, grain and non-leafy vegetables	24	0.52	37	0.00	9	-0.56	9	-0.05	
Weathering removal constant of all vegetation	52	-0.31	53	0.00	26	0.34	25	0.03	
Wet foliar interception fraction of leafy vegetables	42	-0.36	52	0.00	35	-0.26	35	-0.02	

R-SQUARE 1.00 1.00 1.00 1.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.



Coefficients for peak U-238 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Ac-227 in Contaminated Zone	87	0.00	87	0.00	74	0.10	74	0.01	
Kd of Ac-227 in Unsaturated Zone 1	58	0.09	61	0.00	5	-0.62	6	-0.05	
Kd of Ac-227 in Saturated Zone	54	0.11	52	0.00	55	-0.21	55	-0.01	
Kd of Am-241 in Contaminated Zone	64	0.06	66	0.00	60	0.16	60	0.01	
Kd of Am-241 in Unsaturated Zone 1	83	-0.01	5	-0.01	18	-0.46	18	-0.04	
Kd of Am-241 in Saturated Zone	5	0.52	10	0.01	38	-0.31	38	-0.02	
Kd of Np-237 in Contaminated Zone	77	-0.03	82	0.00	56	-0.21	56	-0.01	
Kd of Np-237 in Unsaturated Zone 1	23	-0.22	20	0.00	35	0.32	35	0.02	
Kd of Np-237 in Saturated Zone	24	0.22	24	0.00	29	0.37	29	0.03	
Kd of Pa-231 in Contaminated Zone	45	0.14	58	0.00	44	0.27	44	0.02	
Kd of Pa-231 in Unsaturated Zone 1	39	-0.15	29	0.00	48	-0.24	48	-0.02	
Kd of Pa-231 in Saturated Zone	57	0.10	54	0.00	67	-0.14	67	-0.01	
Kd of Pb-210 in Contaminated Zone	22	0.22	36	0.00	7	0.57	7	0.05	
Kd of Pb-210 in Unsaturated Zone 1	16	-0.26	9	-0.01	20	-0.45	20	-0.03	
Kd of Pb-210 in Saturated Zone	80	-0.02	81	0.00	25	0.38	26	0.03	
Kd of Pu-239 in Contaminated Zone	27	-0.21	25	0.00	88	0.02	88	0.00	
Kd of Pu-239 in Unsaturated Zone 1	13	-0.28	28	0.00	13	0.51	14	0.04	
Kd of Pu-239 in Saturated Zone	40	-0.15	45	0.00	22	0.42	22	0.03	
Kd of Ra-226 in Contaminated Zone	19	-0.25	26	0.00	57	-0.18	58	-0.01	
Kd of Ra-226 in Unsaturated Zone 1	44	-0.14	47	0.00	14	0.50	13	0.04	
Kd of Ra-226 in Saturated Zone	36	0.16	38	0.00	84	0.03	84	0.00	
Kd of Ra-228 in Contaminated Zone	37	0.16	43	0.00	30	-0.36	30	-0.03	
Kd of Ra-228 in Unsaturated Zone 1	71	-0.04	64	0.00	71	0.11	72	0.01	
Kd of Ra-228 in Saturated Zone	89	0.00	89	0.00	53	0.21	53	0.01	
Kd of Tc-99 in Saturated Zone	59	-0.08	65	0.00	4	0.64	4	0.05	
Kd of Th-228 in Contaminated Zone	33	-0.17	44	0.00	6	0.62	5	0.05	
Kd of Th-228 in Unsaturated Zone 1	7	-0.32	7	-0.01	86	0.02	86	0.00	
Kd of Th-228 in Saturated Zone	74	0.04	77	0.00	66	-0.14	66	-0.01	
Kd of Th-229 in Contaminated Zone	73	-0.04	74	0.00	64	0.15	65	0.01	
Kd of Th-229 in Unsaturated Zone 1	65	-0.05	69	0.00	31	0.36	31	0.03	
Kd of Th-229 in Saturated Zone	34	0.17	35	0.00	89	0.01	89	0.00	
Kd of Th-230 in Contaminated Zone	75	-0.03	75	0.00	79	0.06	79	0.00	
Kd of Th-230 in Unsaturated Zone 1	56	0.10	63	0.00	27	-0.38	27	-0.03	
Kd of Th-230 in Saturated Zone	52	0.11	33	0.00	37	0.31	37	0.02	
Kd of Th-232 in Contaminated Zone	25	0.21	19	0.00	87	0.02	87	0.00	
Kd of Th-232 in Unsaturated Zone 1	81	0.02	4	0.01	43	0.27	42	0.02	
Kd of Th-232 in Saturated Zone	63	-0.07	68	0.00	85	0.03	85	0.00	
Kd of U-233 in Saturated Zone	30	-0.17	39	0.00	81	-0.05	81	0.00	
Kd of U-234 in Saturated Zone	21	-0.23	18	0.00	28	0.38	28	0.03	
Kd of U-235 in Saturated Zone	18	0.25	11	0.01	12	0.51	12	0.04	
Kd of U-238 in Saturated Zone	60	-0.08	41	0.00	68	-0.13	68	-0.01	
Plant transfer factor for Ac	38	-0.15	27	0.00	39	-0.30	39	-0.02	
Meat transfer factor for Ac	28	-0.20	30	0.00	65	0.15	64	0.01	
Milk transfer factor for Ac	53	-0.11	59	0.00	70	0.11	71	0.01	
Fish transfer factor for Ac	43	0.14	32	0.00	83	0.05	83	0.00	
Plant transfer factor for Am	67	0.05	70	0.00	49	-0.24	49	-0.02	
Meat transfer factor for Am	10	0.29	15	0.01	40	0.29	40	0.02	
Milk transfer factor for Am	29	0.19	23	0.00	17	0.47	17	0.04	
Fish transfer factor for Am	85	-0.01	85	0.00	75	0.09	75	0.01	
Plant transfer factor for Pb	20	-0.24	12	-0.01	9	-0.55	10	-0.04	
Meat transfer factor for Pb	79	-0.02	80	0.00	50	-0.23	50	-0.02	
Milk transfer factor for Pb	41	-0.15	46	0.00	45	0.27	45	0.02	
Fish transfer factor for Pb	8	-0.30	34	0.00	73	-0.10	73	-0.01	
Plant transfer factor for Np	86	-0.01	86	0.00	63	0.15	63	0.01	
Meat transfer factor for Np	55	0.11	60	0.00	16	-0.47	16	-0.04	
Milk transfer factor for Np	62	-0.07	57	0.00	61	0.16	61	0.01	
Fish transfer factor for Np	78	-0.03	72	0.00	54	0.21	54	0.01	
Plant transfer factor for Pu	47	-0.13	56	0.00	82	-0.05	82	0.00	
Meat transfer factor for Pu	17	-0.26	31	0.00	46	0.26	46	0.02	
Milk transfer factor for Pu	32	0.17	40	0.00	33	0.34	33	0.02	
Fish transfer factor for Pu	66	-0.05	73	0.00	11	0.53	11	0.04	
Plant transfer factor for Pa	11	0.29	22	0.00	34	-0.33	34	-0.02	
Meat transfer factor for Pa	48	-0.13	37	0.00	62	0.16	62	0.01	
Milk transfer factor for Pa	15	0.26	16	0.00	32	-0.35	32	-0.03	
Fish transfer factor for Pa	9	0.30	21	0.00	51	-0.22	51	-0.02	
Plant transfer factor for Ra	14	0.28	14	0.01	80	0.06	80	0.00	
Meat transfer factor for Ra	50	0.12	50	0.00	15	-0.50	15	-0.04	
Milk transfer factor for Ra	82	-0.01	83	0.00	10	-0.54	9	-0.04	
Fish transfer factor for Ra	68	-0.05	76	0.00	8	0.55	8	0.04	
Plant transfer factor for Tc	49	-0.13	55	0.00	26	-0.38	25	-0.03	
Meat transfer factor for Tc	84	-0.01	84	0.00	52	0.22	52	0.01	
Milk transfer factor for Tc	76	-0.03	79	0.00	21	-0.43	21	-0.03	
Fish transfer factor for Tc	12	0.28	17	0.00	77	0.07	77	0.00	
Plant transfer factor for Th	88	0.00	88	0.00	59	-0.17	59	-0.01	
Meat transfer factor for Th	26	-0.21	13	-0.01	78	-0.06	78	0.00	
Milk transfer factor for Th	46	0.14	48	0.00	58	0.18	57	0.01	
Fish transfer factor for Th	31	0.17	53	0.00	72	-0.11	70	-0.01	
Plant transfer factor for U	1	1.00	1	0.98	1	1.00	1	0.94	
Meat transfer factor for U	3	0.99	3	0.11	3	0.94	3	0.19	
Milk transfer factor for U	2	1.00	2	0.16	2	0.96	2	0.23	
Fish transfer factor for U	69	-0.05	67	0.00	47	-0.25	47	-0.02	
Well pumping rate	35	0.16	49	0.00	76	0.08	76	0.01	
Mass loading for inhalation	4	0.53	6	0.01	24	0.40	24	0.03	
Indoor dust filtration factor	6	0.43	8	0.01	42	0.28	43	0.02	
Depth of soil mixing layer	70	-0.05	71	0.00	36	0.32	36	0.02	
Depth of roots	42	0.14	51	0.00	41	0.28	41	0.02	
Wet weight crop yield of fruit, grain and non-leafy vegetables	61	0.08	62	0.00	23	-0.41	23	-0.03	
Weathering removal constant of all vegetation	51	0.12	42	0.00	19	-0.45	19	-0.03	
Wet foliar interception fraction of leafy vegetables	72	0.04	78	0.00	69	0.12	69	0.01	
R-SQUARE		1.00		1.00		1.00		1.00	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.