
Part VI: Uncertainty Analysis
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Probabilistic Input

Number 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	2.84	2.25
5	DCACTU1 (2)	LOGNORMAL-N	2.84	2.25
6	DCACTS (2)	LOGNORMAL-N	2.87	2.25
7	DCACTC (3)	LOGNORMAL-N	5.94	3.22
8	DCACTU1 (3)	LOGNORMAL-N	5.94	3.22
9	DCACTS (3)	LOGNORMAL-N	5.94	3.22
10	DCACTC (4)	LOGNORMAL-N	7.78	2.76
11	DCACTU1 (4)	LOGNORMAL-N	7.78	2.76
12	DCACTS (4)	LOGNORMAL-N	7.78	2.76
13	DCACTC (5)	LOGNORMAL-N	6.86	1.89
14	DCACTU1 (5)	LOGNORMAL-N	6.86	1.89
15	DCACTS (5)	LOGNORMAL-N	6.86	1.89
16	DCACTC (6)	LOGNORMAL-N	8.17	1.7
17	DCACTU1 (6)	LOGNORMAL-N	8.17	1.7
18	DCACTS (6)	LOGNORMAL-N	8.17	1.7
19	DCACTS (7)	LOGNORMAL-N	- .67	3.16
20	DCACTC (8)	LOGNORMAL-N	8.68	3.62
21	DCACTU1 (8)	LOGNORMAL-N	8.68	3.62
22	DCACTS (8)	LOGNORMAL-N	8.68	3.62
23	DCACTC (9)	LOGNORMAL-N	8.68	3.62
24	DCACTU1 (9)	LOGNORMAL-N	8.68	3.62
25	DCACTS (9)	LOGNORMAL-N	8.68	3.62
26	DCACTS (10)	LOGNORMAL-N	4.84	3.13
27	DCACTS (11)	LOGNORMAL-N	4.84	3.13
28	DCACTS (12)	LOGNORMAL-N	4.84	3.13
29	DCACTS (13)	LOGNORMAL-N	4.84	3.13
30	BRTF (89,1)	LOGNORMAL-N	-6.91	1.098612
31	BRTF (89,2)	LOGNORMAL-N	-10.82	1.029619
32	BRTF (89,3)	LOGNORMAL-N	-13.12	.91629
33	BBIO (89,1)	LOGNORMAL-N	2.7	1.1
34	BRTF (82,1)	LOGNORMAL-N	-5.52	.916291
35	BRTF (82,2)	LOGNORMAL-N	-7.13	.693147
36	BRTF (82,3)	LOGNORMAL-N	-8.11	.91629
37	BBIO (82,1)	LOGNORMAL-N	5.7	1.1
38	BRTF (93,1)	LOGNORMAL-N	-3.91	.916291
39	BRTF (93,2)	LOGNORMAL-N	-6.91	.693147
40	BRTF (93,3)	LOGNORMAL-N	-11.51	.69315
41	BBIO (93,1)	LOGNORMAL-N	3.4	1.1
42	BRTF (94,1)	LOGNORMAL-N	-6.91	.916291
43	BRTF (94,2)	LOGNORMAL-N	-9.21	.2
44	BRTF (94,3)	LOGNORMAL-N	-13.82	.47
45	BBIO (94,1)	LOGNORMAL-N	3.4	1.1
46	BRTF (91,1)	LOGNORMAL-N	-4.61	1.098612
47	BRTF (91,2)	LOGNORMAL-N	-12.21	1.029619
48	BRTF (91,3)	LOGNORMAL-N	-12.21	.91629

Probabilistic Input (cont.)

Number	Name	Distribution	Parameters			
49	BBIO (91,1)	LOGNORMAL-N	2.3	1.1		
50	BRTF (88,1)	LOGNORMAL-N	-3.22	.916291		
51	BRTF (88,2)	LOGNORMAL-N	-6.91	.693147		
52	BRTF (88,3)	LOGNORMAL-N	-6.91	.47		
53	BBIO (88,1)	LOGNORMAL-N	3.9	1.1		
54	BRTF (43,1)	LOGNORMAL-N	1.61	.916291		
55	BRTF (43,2)	LOGNORMAL-N	-9.21	.693147		
56	BRTF (43,3)	LOGNORMAL-N	-6.91	.69315		
57	BBIO (43,1)	LOGNORMAL-N	3	1.1		
58	BRTF (90,1)	LOGNORMAL-N	-6.91	.916291		
59	BRTF (90,2)	LOGNORMAL-N	-9.21	1.029619		
60	BRTF (90,3)	LOGNORMAL-N	-12.21	.91629		
61	BBIO (90,1)	LOGNORMAL-N	4.6	1.1		
62	BRTF (92,1)	LOGNORMAL-N	-6.21	.916291		
63	BRTF (92,2)	LOGNORMAL-N	-7.13	.693147		
64	BRTF (92,3)	LOGNORMAL-N	-7.82	.58779		
65	BBIO (92,1)	LOGNORMAL-N	2.3	1.1		
66	UW	UNIFORM	250	2500		
67	INHALR	TRIANGULAR	4380	8400	13100	
68	SHF3	UNIFORM	.15	.95		
69	DM	TRIANGULAR	0	.15	.6	
70	DROOT	UNIFORM	.3	4		
71	YV (1)	TRUNCATED LOGNORMAL-N	.56	.48	.001	.999
72	WLAM	TRIANGULAR	5.1	18	84	
73	RWET (2)	TRIANGULAR	.06	.67	.95	

Probabilistic results summary : Hematite - Surface CSM Sensitivity Analysis

File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - SURFACE CSM SA.RAD

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Probabilistic Total Dose Summary

ONuclide (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

Np-237										
Min	0.00E+00	3.13E-03	2.20E-03	3.07E-04	5.95E-06	3.52E-10	3.20E-10	2.25E-10	0.00E+00	0.00E+00
Max	1.00E+03	4.23E+00	1.00E-01	9.03E-02	8.82E-02	8.12E-02	5.76E-01	1.07E+00	4.31E-01	2.30E-01
Avg	1.80E+02	1.62E-01	1.30E-02	1.15E-02	1.01E-02	7.96E-03	1.19E-02	1.96E-02	1.26E-02	5.89E-03
Std	2.78E+02	4.70E-01	1.36E-02	1.24E-02	1.22E-02	1.15E-02	5.73E-02	9.37E-02	4.50E-02	2.55E-02
Pu-239										
Min	0.00E+00	2.00E-05	2.00E-05	1.99E-05	1.97E-05	7.19E-07	3.88E-11	3.12E-13	0.00E+00	0.00E+00
Max	1.00E+03	9.48E-04	4.26E-04	4.25E-04	4.22E-04	4.11E-04	3.81E-04	2.66E-04	1.74E-11	9.48E-04
Avg	6.67E+00	8.49E-05	8.06E-05	8.00E-05	7.89E-05	7.57E-05	6.75E-05	4.34E-05	1.54E-13	4.86E-06
Std	8.14E+01	7.49E-05	5.11E-05	5.08E-05	5.04E-05	4.87E-05	4.42E-05	3.12E-05	1.26E-12	6.10E-05
Tc-99										
Min	0.00E+00	1.30E-02	1.30E-02	1.29E-02	1.27E-02	1.19E-02	9.85E-03	4.75E-03	0.00E+00	0.00E+00
Max	0.00E+00	4.14E+00	4.14E+00	4.10E+00	4.02E+00	3.76E+00	3.08E+00	1.43E+00	0.00E+00	0.00E+00
Avg	0.00E+00	4.77E-01	4.77E-01	4.73E-01	4.64E-01	4.33E-01	3.56E-01	1.64E-01	0.00E+00	0.00E+00
Std	0.00E+00	6.26E-01	6.26E-01	6.20E-01	6.09E-01	5.69E-01	4.67E-01	2.16E-01	0.00E+00	0.00E+00
U-234										
Min	0.00E+00	1.94E-01	1.94E-01	1.92E-01	1.89E-01	1.80E-01	1.55E-01	8.55E-02	0.00E+00	0.00E+00
Max	0.00E+00	4.11E+00	4.11E+00	4.09E+00	4.04E+00	3.88E+00	3.45E+00	2.29E+00	1.45E-01	1.12E-01
Avg	0.00E+00	9.76E-01	9.76E-01	9.70E-01	9.58E-01	9.16E-01	8.03E-01	4.69E-01	7.90E-04	8.23E-04
Std	0.00E+00	5.47E-01	5.47E-01	5.44E-01	5.38E-01	5.18E-01	4.63E-01	3.00E-01	9.68E-03	8.20E-03
U-235										
Min	0.00E+00	3.03E-01	3.03E-01	3.02E-01	2.99E-01	2.91E-01	2.69E-01	1.97E-01	0.00E+00	0.00E+00
Max	0.00E+00	4.55E-01	4.55E-01	4.53E-01	4.50E-01	4.36E-01	3.98E-01	2.85E-01	7.35E-02	1.15E-01
Avg	0.00E+00	3.33E-01	3.33E-01	3.32E-01	3.29E-01	3.20E-01	2.96E-01	2.14E-01	1.59E-03	5.56E-03
Std	0.00E+00	2.13E-02	2.13E-02	2.12E-02	2.10E-02	2.02E-02	1.82E-02	1.23E-02	8.59E-03	1.81E-02
U-238										
Min	0.00E+00	3.92E-01	3.92E-01	3.90E-01	3.86E-01	3.74E-01	3.41E-01	2.34E-01	0.00E+00	0.00E+00
Max	0.00E+00	1.34E+00	1.34E+00	1.33E+00	1.32E+00	1.27E+00	1.14E+00	7.68E-01	1.30E-05	6.39E-05
Avg	0.00E+00	5.81E-01	5.81E-01	5.78E-01	5.72E-01	5.52E-01	4.97E-01	3.27E-01	6.84E-08	4.63E-07
Std	0.00E+00	1.32E-01	1.32E-01	1.32E-01	1.30E-01	1.25E-01	1.12E-01	7.26E-02	8.46E-07	4.89E-06
-ALL										
Min	0.00E+00	9.84E-01	9.84E-01	9.79E-01	9.68E-01	9.33E-01	8.37E-01	5.52E-01	0.00E+00	0.00E+00
Max	8.63E+02	7.19E+00	7.19E+00	7.14E+00	7.03E+00	6.64E+00	5.67E+00	3.52E+00	4.31E-01	2.30E-01
Avg	5.62E+00	2.41E+00	2.38E+00	2.36E+00	2.33E+00	2.23E+00	1.96E+00	1.19E+00	1.50E-02	1.23E-02
Std	5.51E+01	1.06E+00	1.04E+00	1.03E+00	1.02E+00	9.66E-01	8.31E-01	4.89E-01	4.63E-02	3.22E-02
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-ALL is total dose summed for all nuclides.

Probabilistic results summary : Hematite - Surface CSM Sensitivity Analysis

File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - SURFACE CSM SA.RAD

0 Probabilistic Risk Summary									
0Nuclide	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

Np-237	Min	5.79E-08	8.20E-09	5.98E-11	3.61E-15	3.40E-15	2.74E-15	0.00E+00	0.00E+00
	Max	1.52E-07	1.11E-07	1.09E-07	1.01E-07	3.13E-07	5.89E-07	2.12E-07	1.28E-07
	Avg	6.44E-08	5.64E-08	4.87E-08	3.76E-08	2.94E-08	2.26E-08	6.57E-09	3.16E-09
	Std	9.57E-09	1.44E-08	2.04E-08	2.44E-08	3.66E-08	5.16E-08	2.32E-08	1.40E-08
Pu-239	Min	3.31E-11	3.30E-11	3.27E-11	1.49E-12	8.78E-17	5.97E-18	0.00E+00	0.00E+00
	Max	6.51E-10	6.48E-10	6.44E-10	6.28E-10	5.84E-10	4.11E-10	8.75E-18	1.22E-09
	Avg	1.30E-10	1.28E-10	1.27E-10	1.22E-10	1.09E-10	7.03E-11	8.40E-20	6.12E-12
	Std	7.71E-11	7.66E-11	7.59E-11	7.36E-11	6.73E-11	4.84E-11	6.55E-19	7.74E-11
Tc-99	Min	1.06E-06	1.05E-06	1.03E-06	9.69E-07	8.03E-07	3.86E-07	0.00E+00	0.00E+00
	Max	3.42E-04	3.39E-04	3.32E-04	3.11E-04	2.55E-04	1.18E-04	0.00E+00	0.00E+00
	Avg	3.94E-05	3.90E-05	3.83E-05	3.58E-05	2.94E-05	1.36E-05	0.00E+00	0.00E+00
	Std	5.17E-05	5.12E-05	5.03E-05	4.70E-05	3.85E-05	1.78E-05	0.00E+00	0.00E+00
U-234	Min	1.94E-06	1.92E-06	1.90E-06	1.80E-06	1.55E-06	8.83E-07	0.00E+00	0.00E+00
	Max	4.15E-05	4.13E-05	4.08E-05	3.91E-05	3.48E-05	2.30E-05	8.82E-07	6.85E-07
	Avg	9.77E-06	9.71E-06	9.59E-06	9.18E-06	8.05E-06	4.72E-06	4.76E-09	5.22E-09
	Std	5.52E-06	5.49E-06	5.43E-06	5.23E-06	4.67E-06	3.02E-06	5.85E-08	5.01E-08
U-235	Min	6.43E-06	6.41E-06	6.36E-06	6.19E-06	5.73E-06	4.20E-06	0.00E+00	0.00E+00
	Max	8.10E-06	8.07E-06	8.00E-06	7.77E-06	7.13E-06	5.12E-06	4.06E-08	8.15E-08
	Avg	6.76E-06	6.74E-06	6.68E-06	6.50E-06	6.00E-06	4.37E-06	9.10E-10	3.45E-09
	Std	2.32E-07	2.31E-07	2.29E-07	2.20E-07	1.97E-07	1.27E-07	4.74E-09	1.14E-08
U-238	Min	8.37E-06	8.33E-06	8.26E-06	8.00E-06	7.31E-06	5.07E-06	0.00E+00	0.00E+00
	Max	2.11E-05	2.10E-05	2.08E-05	2.00E-05	1.80E-05	1.21E-05	7.72E-11	3.90E-10
	Avg	1.09E-05	1.08E-05	1.07E-05	1.04E-05	9.38E-06	6.30E-06	4.06E-13	2.90E-12
	Std	1.77E-06	1.76E-06	1.74E-06	1.68E-06	1.50E-06	9.68E-07	5.03E-12	2.96E-11
-ALL	Min	2.27E-05	2.25E-05	2.23E-05	2.14E-05	1.91E-05	1.24E-05	0.00E+00	0.00E+00
	Max	3.81E-04	3.78E-04	3.71E-04	3.48E-04	2.88E-04	1.38E-04	8.82E-07	6.85E-07
	Avg	6.69E-05	6.64E-05	6.53E-05	6.19E-05	5.28E-05	2.90E-05	1.22E-08	1.18E-08
	Std	5.38E-05	5.34E-05	5.24E-05	4.90E-05	4.04E-05	1.90E-05	6.25E-08	5.33E-08
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-ALL is total risk summed for all nuclides.

Probabilistic results summary : Hematite - Surface CSM Sensitivity Analysis

File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - SURFACE CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Ground External

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									

Np-237									
Min		9.78E-04	8.31E-05	6.00E-07	1.20E-11	1.80E-11	1.32E-11	0.00E+00	0.00E+00
Max		2.63E-03	2.63E-03	2.63E-03	2.61E-03	2.57E-03	2.33E-03	0.00E+00	0.00E+00
Avg		2.45E-03	2.21E-03	1.95E-03	1.52E-03	1.07E-03	5.72E-04	0.00E+00	0.00E+00
Std		3.06E-04	6.07E-04	8.06E-04	9.57E-04	9.63E-04	7.65E-04	0.00E+00	0.00E+00
Pu-239									
Min		5.70E-08	3.49E-08	1.31E-08	4.23E-10	3.56E-13	2.45E-13	0.00E+00	0.00E+00
Max		7.21E-08	7.21E-08	7.20E-08	7.18E-08	7.11E-08	6.63E-08	0.00E+00	0.00E+00
Avg		7.20E-08	7.17E-08	7.11E-08	6.96E-08	6.61E-08	5.55E-08	0.00E+00	0.00E+00
Std		9.14E-10	2.29E-09	3.85E-09	6.16E-09	9.96E-09	1.54E-08	0.00E+00	0.00E+00
Tc-99									
Min		1.94E-04	1.93E-04	1.91E-04	1.83E-04	1.64E-04	1.08E-04	0.00E+00	0.00E+00
Max		1.94E-04	1.93E-04	1.91E-04	1.83E-04	1.64E-04	1.08E-04	0.00E+00	0.00E+00
Avg		1.94E-04	1.93E-04	1.91E-04	1.83E-04	1.64E-04	1.08E-04	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
U-234									
Min		3.89E-03	3.88E-03	3.85E-03	3.76E-03	3.52E-03	2.73E-03	0.00E+00	0.00E+00
Max		3.89E-03	3.88E-03	3.85E-03	3.78E-03	3.66E-03	4.06E-03	0.00E+00	0.00E+00
Avg		3.89E-03	3.88E-03	3.85E-03	3.78E-03	3.66E-03	3.92E-03	0.00E+00	0.00E+00
Std		1.82E-09	1.79E-08	1.40E-07	2.01E-06	2.33E-05	2.79E-04	0.00E+00	0.00E+00
U-235									
Min		2.95E-01	2.94E-01	2.92E-01	2.84E-01	2.63E-01	1.93E-01	0.00E+00	0.00E+00
Max		2.95E-01	2.94E-01	2.92E-01	2.84E-01	2.63E-01	1.94E-01	0.00E+00	0.00E+00
Avg		2.95E-01	2.94E-01	2.92E-01	2.84E-01	2.63E-01	1.94E-01	0.00E+00	0.00E+00
Std		4.66E-08	2.77E-07	1.16E-06	8.37E-06	5.85E-05	3.41E-04	0.00E+00	0.00E+00
U-238									
Min		3.46E-01	3.45E-01	3.42E-01	3.32E-01	3.04E-01	2.15E-01	0.00E+00	0.00E+00
Max		3.46E-01	3.45E-01	3.42E-01	3.32E-01	3.04E-01	2.15E-01	0.00E+00	0.00E+00
Avg		3.46E-01	3.45E-01	3.42E-01	3.32E-01	3.04E-01	2.15E-01	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									
Min		6.46E-01	6.43E-01	6.38E-01	6.20E-01	5.71E-01	4.11E-01	0.00E+00	0.00E+00
Max		6.48E-01	6.45E-01	6.40E-01	6.23E-01	5.74E-01	4.15E-01	0.00E+00	0.00E+00
Avg		6.48E-01	6.45E-01	6.40E-01	6.22E-01	5.73E-01	4.13E-01	0.00E+00	0.00E+00
Std		3.06E-04	6.07E-04	8.06E-04	9.57E-04	9.60E-04	8.68E-04	0.00E+00	0.00E+00
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Surface CSM Sensitivity Analysis

File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - SURFACE CSM SA.RAD

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

Nuclide (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

Np-237									
Min	7.17E-06	1.12E-06	8.07E-09	1.25E-11	1.00E-11	6.03E-12	0.00E+00	0.00E+00	
Max	1.32E-04	1.31E-04	1.28E-04	1.23E-04	1.12E-04	9.93E-05	0.00E+00	0.00E+00	
Avg	4.34E-05	3.92E-05	3.45E-05	2.68E-05	1.81E-05	7.90E-06	0.00E+00	0.00E+00	
Std	2.46E-05	2.51E-05	2.54E-05	2.47E-05	2.15E-05	1.37E-05	0.00E+00	0.00E+00	
Pu-239									
Min	5.76E-07	5.72E-07	5.65E-07	4.49E-08	2.49E-12	3.30E-15	0.00E+00	0.00E+00	
Max	1.06E-05	1.06E-05	1.06E-05	1.04E-05	9.89E-06	9.19E-06	0.00E+00	0.00E+00	
Avg	3.68E-06	3.65E-06	3.61E-06	3.48E-06	3.14E-06	2.10E-06	0.00E+00	0.00E+00	
Std	2.01E-06	2.00E-06	2.00E-06	1.98E-06	1.91E-06	1.59E-06	0.00E+00	0.00E+00	
Tc-99									
Min	6.91E-08	6.85E-08	6.72E-08	6.28E-08	5.15E-08	2.38E-08	0.00E+00	0.00E+00	
Max	1.27E-06	1.26E-06	1.25E-06	1.18E-06	1.05E-06	7.14E-07	0.00E+00	0.00E+00	
Avg	4.42E-07	4.39E-07	4.32E-07	4.07E-07	3.44E-07	1.74E-07	0.00E+00	0.00E+00	
Std	2.42E-07	2.41E-07	2.38E-07	2.27E-07	1.99E-07	1.18E-07	0.00E+00	0.00E+00	
U-234									
Min	6.87E-03	6.82E-03	6.72E-03	6.38E-03	5.47E-03	2.95E-03	0.00E+00	0.00E+00	
Max	1.26E-01	1.26E-01	1.25E-01	1.20E-01	1.12E-01	8.85E-02	0.00E+00	0.00E+00	
Avg	4.40E-02	4.37E-02	4.32E-02	4.14E-02	3.65E-02	2.15E-02	0.00E+00	0.00E+00	
Std	2.41E-02	2.40E-02	2.38E-02	2.31E-02	2.12E-02	1.46E-02	0.00E+00	0.00E+00	
U-235									
Min	2.64E-04	2.62E-04	2.58E-04	2.46E-04	2.12E-04	1.16E-04	0.00E+00	0.00E+00	
Max	4.85E-03	4.84E-03	4.81E-03	4.63E-03	4.34E-03	3.70E-03	0.00E+00	0.00E+00	
Avg	1.69E-03	1.68E-03	1.66E-03	1.60E-03	1.43E-03	8.96E-04	0.00E+00	0.00E+00	
Std	9.26E-04	9.22E-04	9.15E-04	8.91E-04	8.27E-04	6.05E-04	0.00E+00	0.00E+00	
U-238									
Min	1.57E-03	1.56E-03	1.53E-03	1.45E-03	1.25E-03	6.71E-04	0.00E+00	0.00E+00	
Max	2.88E-02	2.87E-02	2.85E-02	2.74E-02	2.55E-02	2.01E-02	0.00E+00	0.00E+00	
Avg	1.00E-02	9.97E-03	9.85E-03	9.44E-03	8.32E-03	4.91E-03	0.00E+00	0.00E+00	
Std	5.50E-03	5.48E-03	5.43E-03	5.27E-03	4.83E-03	3.32E-03	0.00E+00	0.00E+00	
-ALL									
Min	8.71E-03	8.64E-03	8.52E-03	8.08E-03	6.93E-03	3.74E-03	0.00E+00	0.00E+00	
Max	1.60E-01	1.60E-01	1.58E-01	1.52E-01	1.42E-01	1.12E-01	0.00E+00	0.00E+00	
Avg	5.57E-02	5.54E-02	5.47E-02	5.25E-02	4.63E-02	2.74E-02	0.00E+00	0.00E+00	
Std	3.05E-02	3.04E-02	3.02E-02	2.93E-02	2.68E-02	1.85E-02	0.00E+00	0.00E+00	
=====									

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Surface CSM Sensitivity Analysis

File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - SURFACE CSM SA.RAD

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

0Nuclide (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									
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	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
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	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
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
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	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
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	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
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	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	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

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-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Surface CSM Sensitivity Analysis

File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - SURFACE CSM SA.RAD

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

0Nuclide (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										

Np-237										
Min		1.90E-04	1.15E-04	2.21E-06	4.82E-11	1.76E-11	1.03E-11	0.00E+00	0.00E+00	
Max		9.58E-02	8.27E-02	8.08E-02	7.43E-02	5.83E-02	3.84E-02	0.00E+00	0.00E+00	
Avg		8.82E-03	7.77E-03	6.78E-03	5.39E-03	3.80E-03	1.65E-03	0.00E+00	0.00E+00	
Std		1.32E-02	1.19E-02	1.14E-02	1.05E-02	8.47E-03	4.44E-03	0.00E+00	0.00E+00	
Pu-239										
Min		9.03E-07	8.95E-07	8.80E-07	3.16E-07	1.61E-11	7.99E-15	0.00E+00	0.00E+00	
Max		3.57E-04	3.56E-04	3.53E-04	3.42E-04	3.13E-04	2.10E-04	0.00E+00	0.00E+00	
Avg		3.57E-05	3.54E-05	3.49E-05	3.33E-05	2.91E-05	1.77E-05	0.00E+00	0.00E+00	
Std		4.85E-05	4.82E-05	4.76E-05	4.55E-05	4.01E-05	2.52E-05	0.00E+00	0.00E+00	
Tc-99										
Min		1.10E-02	1.09E-02	1.06E-02	9.95E-03	8.16E-03	3.77E-03	0.00E+00	0.00E+00	
Max		3.91E+00	3.87E+00	3.80E+00	3.55E+00	2.91E+00	1.34E+00	0.00E+00	0.00E+00	
Avg		4.56E-01	4.52E-01	4.43E-01	4.14E-01	3.40E-01	1.57E-01	0.00E+00	0.00E+00	
Std		5.98E-01	5.92E-01	5.81E-01	5.43E-01	4.45E-01	2.06E-01	0.00E+00	0.00E+00	
U-234										
Min		7.25E-03	7.19E-03	7.09E-03	6.74E-03	5.80E-03	3.27E-03	0.00E+00	0.00E+00	
Max		2.65E+00	2.63E+00	2.59E+00	2.46E+00	2.11E+00	1.14E+00	0.00E+00	0.00E+00	
Avg		2.28E-01	2.26E-01	2.23E-01	2.11E-01	1.81E-01	9.78E-02	0.00E+00	0.00E+00	
Std		3.37E-01	3.35E-01	3.30E-01	3.13E-01	2.68E-01	1.44E-01	0.00E+00	0.00E+00	
U-235										
Min		2.87E-04	2.94E-04	3.07E-04	3.52E-04	4.07E-04	3.87E-04	0.00E+00	0.00E+00	
Max		1.03E-01	1.03E-01	1.01E-01	9.66E-02	8.37E-02	4.56E-02	0.00E+00	0.00E+00	
Avg		8.89E-03	8.86E-03	8.81E-03	8.62E-03	8.02E-03	5.59E-03	0.00E+00	0.00E+00	
Std		1.31E-02	1.31E-02	1.29E-02	1.23E-02	1.08E-02	6.75E-03	0.00E+00	0.00E+00	
U-238										
Min		1.76E-03	1.74E-03	1.72E-03	1.63E-03	1.40E-03	7.52E-04	0.00E+00	0.00E+00	
Max		6.42E-01	6.37E-01	6.28E-01	5.96E-01	5.11E-01	2.75E-01	0.00E+00	0.00E+00	
Avg		5.51E-02	5.47E-02	5.39E-02	5.12E-02	4.39E-02	2.36E-02	0.00E+00	0.00E+00	
Std		8.17E-02	8.11E-02	7.99E-02	7.58E-02	6.50E-02	3.50E-02	0.00E+00	0.00E+00	
-ALL										
Min		5.50E-02	5.42E-02	5.28E-02	4.85E-02	3.97E-02	2.02E-02	0.00E+00	0.00E+00	
Max		5.41E+00	5.36E+00	5.27E+00	4.95E+00	4.13E+00	2.03E+00	0.00E+00	0.00E+00	
Avg		7.57E-01	7.49E-01	7.36E-01	6.91E-01	5.77E-01	2.86E-01	0.00E+00	0.00E+00	
Std		8.21E-01	8.13E-01	7.99E-01	7.51E-01	6.27E-01	3.10E-01	0.00E+00	0.00E+00	
=====		=====	=====	=====	=====	=====	=====	=====	=====	

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Surface CSM Sensitivity Analysis

File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - SURFACE CSM SA.RAD

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

0Nuclide (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									

Np-237									
Min		1.06E-04	1.50E-05	2.90E-07	1.10E-10	3.26E-11	1.70E-11	0.00E+00	0.00E+00
Max		1.02E-02	1.01E-02	1.00E-02	9.66E-03	8.70E-03	4.63E-03	0.00E+00	0.00E+00
Avg		1.20E-03	1.08E-03	9.54E-04	7.50E-04	5.12E-04	2.22E-04	0.00E+00	0.00E+00
Std		1.16E-03	1.15E-03	1.13E-03	1.06E-03	9.14E-04	5.18E-04	0.00E+00	0.00E+00
Pu-239									
Min		1.81E-06	1.81E-06	1.76E-06	5.68E-08	3.16E-12	4.94E-15	0.00E+00	0.00E+00
Max		1.60E-05	1.59E-05	1.57E-05	1.50E-05	1.46E-05	1.44E-05	0.00E+00	0.00E+00
Avg		7.13E-06	7.08E-06	6.99E-06	6.73E-06	6.08E-06	4.07E-06	0.00E+00	0.00E+00
Std		3.02E-06	3.02E-06	3.02E-06	3.01E-06	2.96E-06	2.59E-06	0.00E+00	0.00E+00
Tc-99									
Min		1.23E-05	1.22E-05	1.20E-05	1.14E-05	9.97E-06	5.57E-06	0.00E+00	0.00E+00
Max		1.19E-02	1.18E-02	1.16E-02	1.08E-02	8.90E-03	4.11E-03	0.00E+00	0.00E+00
Avg		7.19E-04	7.13E-04	6.99E-04	6.54E-04	5.37E-04	2.49E-04	0.00E+00	0.00E+00
Std		1.28E-03	1.26E-03	1.24E-03	1.16E-03	9.51E-04	4.40E-04	0.00E+00	0.00E+00
U-234									
Min		1.87E-02	1.86E-02	1.83E-02	1.74E-02	1.49E-02	8.02E-03	0.00E+00	0.00E+00
Max		2.35E+00	2.34E+00	2.33E+00	2.27E+00	2.12E+00	1.67E+00	0.00E+00	0.00E+00
Avg		2.25E-01	2.24E-01	2.21E-01	2.12E-01	1.87E-01	1.12E-01	0.00E+00	0.00E+00
Std		2.27E-01	2.26E-01	2.24E-01	2.17E-01	1.97E-01	1.38E-01	0.00E+00	0.00E+00
U-235									
Min		7.28E-04	7.23E-04	7.13E-04	6.77E-04	5.81E-04	3.17E-04	0.00E+00	0.00E+00
Max		9.16E-02	9.13E-02	9.07E-02	8.86E-02	8.28E-02	6.52E-02	0.00E+00	0.00E+00
Avg		8.77E-03	8.72E-03	8.62E-03	8.26E-03	7.29E-03	4.36E-03	0.00E+00	0.00E+00
Std		8.86E-03	8.82E-03	8.74E-03	8.45E-03	7.66E-03	5.37E-03	0.00E+00	0.00E+00
U-238									
Min		4.53E-03	4.50E-03	4.43E-03	4.20E-03	3.60E-03	1.94E-03	0.00E+00	0.00E+00
Max		5.70E-01	5.68E-01	5.64E-01	5.51E-01	5.15E-01	4.06E-01	0.00E+00	0.00E+00
Avg		5.45E-02	5.42E-02	5.36E-02	5.14E-02	4.53E-02	2.70E-02	0.00E+00	0.00E+00
Std		5.51E-02	5.48E-02	5.44E-02	5.26E-02	4.77E-02	3.34E-02	0.00E+00	0.00E+00
-ALL									
Min		2.53E-02	2.50E-02	2.45E-02	2.32E-02	1.98E-02	1.06E-02	0.00E+00	0.00E+00
Max		3.02E+00	3.01E+00	2.98E+00	2.91E+00	2.72E+00	2.15E+00	0.00E+00	0.00E+00
Avg		2.90E-01	2.88E-01	2.85E-01	2.73E-01	2.41E-01	1.44E-01	0.00E+00	0.00E+00
Std		2.92E-01	2.90E-01	2.88E-01	2.78E-01	2.52E-01	1.77E-01	0.00E+00	0.00E+00
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Surface CSM Sensitivity Analysis

File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - SURFACE 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

Np-237									
Min		3.40E-06	8.63E-07	1.70E-08	6.60E-11	5.66E-11	3.05E-11	0.00E+00	0.00E+00
Max		2.52E-04	2.49E-04	2.43E-04	2.23E-04	1.75E-04	1.21E-04	0.00E+00	0.00E+00
Avg		4.13E-05	3.72E-05	3.28E-05	2.56E-05	1.75E-05	7.82E-06	0.00E+00	0.00E+00
Std		3.80E-05	3.67E-05	3.54E-05	3.26E-05	2.76E-05	1.62E-05	0.00E+00	0.00E+00
Pu-239									
Min		4.37E-08	4.36E-08	4.32E-08	4.05E-09	2.82E-13	4.50E-14	0.00E+00	0.00E+00
Max		1.39E-06	1.38E-06	1.37E-06	1.33E-06	1.21E-06	8.11E-07	0.00E+00	0.00E+00
Avg		2.79E-07	2.77E-07	2.73E-07	2.63E-07	2.37E-07	1.59E-07	0.00E+00	0.00E+00
Std		1.86E-07	1.85E-07	1.83E-07	1.80E-07	1.70E-07	1.32E-07	0.00E+00	0.00E+00
Tc-99									
Min		6.22E-04	6.16E-04	6.04E-04	5.65E-04	4.63E-04	2.14E-04	0.00E+00	0.00E+00
Max		3.43E-01	3.40E-01	3.33E-01	3.12E-01	2.56E-01	1.19E-01	0.00E+00	0.00E+00
Avg		2.00E-02	1.98E-02	1.94E-02	1.82E-02	1.49E-02	6.93E-03	0.00E+00	0.00E+00
Std		3.69E-02	3.65E-02	3.59E-02	3.35E-02	2.75E-02	1.28E-02	0.00E+00	0.00E+00
U-234									
Min		5.24E-02	5.20E-02	5.13E-02	4.86E-02	4.17E-02	2.25E-02	0.00E+00	0.00E+00
Max		1.86E+00	1.85E+00	1.84E+00	1.80E+00	1.68E+00	9.21E-01	0.00E+00	0.00E+00
Avg		3.70E-01	3.68E-01	3.64E-01	3.49E-01	3.08E-01	1.82E-01	0.00E+00	0.00E+00
Std		2.80E-01	2.78E-01	2.76E-01	2.67E-01	2.42E-01	1.58E-01	0.00E+00	0.00E+00
U-235									
Min		2.04E-03	2.03E-03	2.00E-03	1.90E-03	1.62E-03	8.77E-04	0.00E+00	0.00E+00
Max		7.25E-02	7.22E-02	7.17E-02	7.01E-02	6.55E-02	3.59E-02	0.00E+00	0.00E+00
Avg		1.44E-02	1.43E-02	1.42E-02	1.36E-02	1.20E-02	7.10E-03	0.00E+00	0.00E+00
Std		1.09E-02	1.08E-02	1.07E-02	1.04E-02	9.43E-03	6.17E-03	0.00E+00	0.00E+00
U-238									
Min		1.27E-02	1.26E-02	1.24E-02	1.18E-02	1.01E-02	5.44E-03	0.00E+00	0.00E+00
Max		4.51E-01	4.49E-01	4.46E-01	4.36E-01	4.07E-01	2.23E-01	0.00E+00	0.00E+00
Avg		8.97E-02	8.92E-02	8.82E-02	8.45E-02	7.45E-02	4.41E-02	0.00E+00	0.00E+00
Std		6.77E-02	6.74E-02	6.68E-02	6.46E-02	5.86E-02	3.84E-02	0.00E+00	0.00E+00
-ALL									
Min		7.64E-02	7.58E-02	7.46E-02	7.07E-02	6.03E-02	3.20E-02	0.00E+00	0.00E+00
Max		2.39E+00	2.39E+00	2.37E+00	2.31E+00	2.16E+00	1.21E+00	0.00E+00	0.00E+00
Avg		4.95E-01	4.92E-01	4.86E-01	4.65E-01	4.09E-01	2.40E-01	0.00E+00	0.00E+00
Std		3.62E-01	3.61E-01	3.57E-01	3.45E-01	3.13E-01	2.04E-01	0.00E+00	0.00E+00
=====									

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Surface CSM Sensitivity Analysis

File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - SURFACE 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

Np-237									
Min		1.08E-04	1.50E-05	1.16E-07	3.39E-11	2.95E-11	1.69E-11	0.00E+00	0.00E+00
Max		6.31E-04	6.31E-04	6.30E-04	6.30E-04	6.27E-04	6.19E-04	0.00E+00	0.00E+00
Avg		3.97E-04	3.58E-04	3.14E-04	2.43E-04	1.64E-04	7.23E-05	0.00E+00	0.00E+00
Std		1.60E-04	1.74E-04	1.85E-04	1.91E-04	1.74E-04	1.14E-04	0.00E+00	0.00E+00
Pu-239									
Min		1.29E-05	1.28E-05	9.14E-06	2.96E-07	1.64E-11	5.86E-15	0.00E+00	0.00E+00
Max		5.03E-05	5.03E-05	5.02E-05	5.02E-05	5.02E-05	5.00E-05	0.00E+00	0.00E+00
Avg		3.38E-05	3.35E-05	3.31E-05	3.19E-05	2.89E-05	1.93E-05	0.00E+00	0.00E+00
Std		1.27E-05	1.27E-05	1.28E-05	1.29E-05	1.30E-05	1.17E-05	0.00E+00	0.00E+00
Tc-99									
Min		3.29E-05	3.26E-05	3.20E-05	2.99E-05	2.45E-05	1.13E-05	0.00E+00	0.00E+00
Max		1.28E-04	1.27E-04	1.26E-04	1.21E-04	1.09E-04	7.36E-05	0.00E+00	0.00E+00
Avg		8.63E-05	8.56E-05	8.42E-05	7.95E-05	6.72E-05	3.41E-05	0.00E+00	0.00E+00
Std		3.25E-05	3.24E-05	3.21E-05	3.11E-05	2.82E-05	1.85E-05	0.00E+00	0.00E+00
U-234									
Min		4.00E-02	3.97E-02	3.91E-02	3.71E-02	3.18E-02	1.71E-02	0.00E+00	0.00E+00
Max		1.56E-01	1.55E-01	1.54E-01	1.50E-01	1.41E-01	1.11E-01	0.00E+00	0.00E+00
Avg		1.05E-01	1.04E-01	1.03E-01	9.87E-02	8.71E-02	5.16E-02	0.00E+00	0.00E+00
Std		3.95E-02	3.94E-02	3.93E-02	3.86E-02	3.65E-02	2.79E-02	0.00E+00	0.00E+00
U-235									
Min		1.56E-03	1.55E-03	1.53E-03	1.46E-03	1.28E-03	7.32E-04	0.00E+00	0.00E+00
Max		6.06E-03	6.05E-03	6.02E-03	5.93E-03	5.70E-03	5.20E-03	0.00E+00	0.00E+00
Avg		4.08E-03	4.06E-03	4.02E-03	3.88E-03	3.50E-03	2.29E-03	0.00E+00	0.00E+00
Std		1.54E-03	1.54E-03	1.53E-03	1.52E-03	1.47E-03	1.25E-03	0.00E+00	0.00E+00
U-238									
Min		9.68E-03	9.61E-03	9.47E-03	8.98E-03	7.70E-03	4.15E-03	0.00E+00	0.00E+00
Max		3.77E-02	3.76E-02	3.73E-02	3.65E-02	3.41E-02	2.70E-02	0.00E+00	0.00E+00
Avg		2.54E-02	2.52E-02	2.49E-02	2.39E-02	2.11E-02	1.25E-02	0.00E+00	0.00E+00
Std		9.58E-03	9.55E-03	9.51E-03	9.35E-03	8.85E-03	6.76E-03	0.00E+00	0.00E+00
-ALL									
Min		5.14E-02	5.10E-02	5.02E-02	4.76E-02	4.08E-02	2.21E-02	0.00E+00	0.00E+00
Max		2.00E-01	2.00E-01	1.98E-01	1.94E-01	1.81E-01	1.44E-01	0.00E+00	0.00E+00
Avg		1.35E-01	1.34E-01	1.32E-01	1.27E-01	1.12E-01	6.65E-02	0.00E+00	0.00E+00
Std		5.08E-02	5.07E-02	5.05E-02	4.96E-02	4.70E-02	3.60E-02	0.00E+00	0.00E+00
=====									

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Surface CSM Sensitivity Analysis

File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - SURFACE CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Water Ingestion

0Nuclide (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									

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	0.00E+00	0.00E+00	3.94E-01	6.33E-01	3.32E-01	1.11E-01
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-03	9.45E-03	7.55E-03	2.90E-03
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-02	5.10E-02	2.91E-02	1.11E-02
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	0.00E+00	5.65E-16	6.91E-13	1.57E-11	5.46E-04
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-18	3.60E-15	1.23E-13	3.17E-06
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-17	4.11E-14	1.05E-12	3.84E-05
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
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	0.00E+00	0.00E+00	1.25E-02	4.02E-02	3.11E-02
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05	2.49E-04	2.79E-04
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	2.93E-03	2.63E-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	0.00E+00	1.90E-04	2.94E-02	6.40E-02	7.04E-02
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-06	1.75E-04	1.25E-03	4.21E-03
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	1.79E-03	6.78E-03	1.37E-02
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	0.00E+00	0.00E+00	2.67E-07	4.79E-06	2.02E-05
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-10	2.33E-08	1.53E-07
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.97E-07	1.57E-06
-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	3.94E-01	6.33E-01	3.32E-01	1.11E-01
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-03	9.66E-03	9.04E-03	7.39E-03
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-02	5.10E-02	2.97E-02	1.79E-02
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Surface CSM Sensitivity Analysis

File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - SURFACE CSM SA.RAD

0 Probabilistic Dose vs Pathway(i): Fish Ingestion

0Nuclide (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									

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	0.00E+00	0.00E+00	3.07E-01	6.19E-01	1.53E-01	1.43E-01
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03	6.94E-03	4.58E-03	2.82E-03
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-02	4.47E-02	1.58E-02	1.48E-02
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	0.00E+00	3.13E-16	6.65E-14	3.86E-12	3.80E-04
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-18	5.05E-16	2.69E-14	1.54E-06
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-17	4.69E-15	2.44E-13	2.22E-05
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
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	0.00E+00	0.00E+00	2.10E-02	1.04E-01	8.00E-02
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	5.34E-04	5.35E-04
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	6.72E-03	5.56E-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	0.00E+00	1.06E-04	2.79E-03	2.38E-02	4.74E-02
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	2.59E-05	2.82E-04	1.11E-03
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-06	2.20E-04	1.79E-03	4.53E-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
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-07	8.03E-06	4.58E-05
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	4.43E-08	3.05E-07
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	5.42E-07	3.30E-06
-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	3.07E-01	6.19E-01	1.53E-01	1.43E-01
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03	7.04E-03	5.40E-03	4.47E-03
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-02	4.47E-02	1.71E-02	1.64E-02
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Surface CSM Sensitivity Analysis

File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - SURFACE CSM SA.RAD

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

0Nuclide (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									

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	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
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	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
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
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	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
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	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
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	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									
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 - Surface CSM Sensitivity Analysis

File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - SURFACE CSM SA.RAD

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

0Nuclide (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									

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	0.00E+00	0.00E+00	2.15E-02	4.29E-02	3.56E-02	8.06E-03
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	5.33E-04	4.27E-04	1.41E-04
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	3.42E-03	2.30E-03	6.69E-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
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-17	1.63E-14	2.74E-13	2.22E-05
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-19	1.51E-16	3.97E-15	1.52E-07
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-18	1.28E-15	2.39E-14	1.76E-06
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
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	0.00E+00	0.00E+00	3.88E-04	9.69E-04	9.38E-04
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-06	5.63E-06	7.09E-06
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	6.65E-05	6.65E-05
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	0.00E+00	1.55E-05	9.62E-04	5.67E-03	7.36E-03
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	8.35E-06	6.43E-05	2.34E-04
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-06	7.13E-05	4.01E-04	8.90E-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	0.00E+00	0.00E+00	8.27E-09	1.48E-07	6.25E-07
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-11	6.24E-10	3.84E-09
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-10	8.73E-09	4.05E-08
-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	2.15E-02	4.29E-02	3.56E-02	8.06E-03
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	5.42E-04	4.97E-04	3.83E-04
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	3.42E-03	2.33E-03	1.13E-03
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Surface CSM Sensitivity Analysis

File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - SURFACE CSM SA.RAD

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

0Nuclide (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									

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	0.00E+00	0.00E+00	3.03E-03	8.50E-03	4.02E-03	1.03E-03
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05	9.09E-05	6.41E-05	2.73E-05
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	5.86E-04	2.83E-04	1.06E-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
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-19	1.91E-17	4.23E-16	3.74E-07
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-22	2.05E-19	5.36E-18	2.38E-09
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-21	1.68E-18	3.48E-17	2.82E-08
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
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	0.00E+00	0.00E+00	2.72E-05	6.80E-05	6.58E-05
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-08	3.53E-07	4.50E-07
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-06	4.37E-06	4.40E-06
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	0.00E+00	4.52E-08	9.10E-07	4.28E-06	1.36E-05
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-10	1.12E-08	7.55E-08	3.48E-07
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	8.63E-08	4.38E-07	1.61E-06
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	0.00E+00	0.00E+00	5.93E-10	1.04E-08	4.38E-08
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-12	4.15E-11	2.40E-10
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-11	6.07E-10	2.72E-09
-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	3.03E-03	8.50E-03	4.02E-03	1.03E-03
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05	9.10E-05	6.45E-05	2.81E-05
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	5.86E-04	2.83E-04	1.06E-04
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Surface CSM Sensitivity Analysis

File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - SURFACE CSM SA.RAD

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

0Nuclide (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									

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	0.00E+00	0.00E+00	7.61E-04	9.45E-04	1.26E-04	7.40E-05
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-06	7.16E-06	3.60E-06	1.96E-06
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	5.88E-05	1.23E-05	8.18E-06
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	0.00E+00	3.69E-19	9.92E-17	6.98E-15	4.08E-08
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-21	1.11E-18	5.17E-17	2.02E-10
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-20	8.95E-18	4.41E-16	2.59E-09
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
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	0.00E+00	0.00E+00	3.88E-05	9.71E-05	9.44E-05
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	3.60E-07	6.11E-07
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-06	5.62E-06	5.96E-06
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	0.00E+00	1.38E-07	5.13E-06	4.30E-05	7.03E-05
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-10	5.97E-08	5.87E-07	1.87E-06
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-09	4.59E-07	3.52E-06	7.79E-06
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	0.00E+00	0.00E+00	8.31E-10	1.49E-08	6.27E-08
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-12	5.23E-11	3.00E-10
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-11	8.57E-10	3.69E-09
-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	7.61E-04	9.45E-04	1.26E-04	9.73E-05
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-06	7.35E-06	4.55E-06	4.44E-06
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	5.88E-05	1.37E-05	1.29E-05
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

-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	1.23E+00	1.22E+00	1.21E+00	1.16E+00	1.03E+00	6.53E-01	0.00E+00	0.00E+00
0.050	1.32E+00	1.31E+00	1.30E+00	1.24E+00	1.10E+00	7.00E-01	0.00E+00	0.00E+00
0.075	1.38E+00	1.37E+00	1.35E+00	1.30E+00	1.14E+00	7.12E-01	0.00E+00	0.00E+00
0.100	1.43E+00	1.42E+00	1.40E+00	1.34E+00	1.19E+00	7.32E-01	0.00E+00	0.00E+00
0.125	1.47E+00	1.46E+00	1.44E+00	1.38E+00	1.22E+00	7.50E-01	0.00E+00	0.00E+00
0.150	1.50E+00	1.49E+00	1.47E+00	1.40E+00	1.24E+00	7.63E-01	0.00E+00	0.00E+00
0.175	1.53E+00	1.52E+00	1.50E+00	1.43E+00	1.27E+00	7.94E-01	0.00E+00	0.00E+00
0.200	1.59E+00	1.58E+00	1.56E+00	1.49E+00	1.33E+00	8.11E-01	0.00E+00	0.00E+00
0.225	1.63E+00	1.62E+00	1.59E+00	1.53E+00	1.36E+00	8.33E-01	0.00E+00	0.00E+00
0.250	1.68E+00	1.67E+00	1.65E+00	1.58E+00	1.40E+00	8.51E-01	0.00E+00	0.00E+00
0.275	1.72E+00	1.71E+00	1.69E+00	1.62E+00	1.43E+00	8.59E-01	0.00E+00	0.00E+00
0.300	1.75E+00	1.74E+00	1.72E+00	1.64E+00	1.44E+00	8.73E-01	0.00E+00	0.00E+00
0.325	1.78E+00	1.77E+00	1.74E+00	1.66E+00	1.47E+00	8.89E-01	0.00E+00	0.00E+00
0.350	1.82E+00	1.81E+00	1.79E+00	1.70E+00	1.51E+00	9.17E-01	0.00E+00	9.20E-15
0.375	1.85E+00	1.84E+00	1.82E+00	1.74E+00	1.54E+00	9.40E-01	0.00E+00	1.29E-09
0.400	1.90E+00	1.89E+00	1.86E+00	1.78E+00	1.58E+00	9.48E-01	0.00E+00	1.07E-08
0.425	1.96E+00	1.95E+00	1.92E+00	1.83E+00	1.63E+00	9.81E-01	0.00E+00	2.64E-08
0.450	2.02E+00	2.01E+00	1.98E+00	1.90E+00	1.68E+00	1.00E+00	0.00E+00	5.46E-08
0.475	2.06E+00	2.04E+00	2.01E+00	1.92E+00	1.70E+00	1.02E+00	0.00E+00	7.72E-08
0.500	2.11E+00	2.10E+00	2.07E+00	1.98E+00	1.74E+00	1.03E+00	0.00E+00	1.14E-07
0.525	2.14E+00	2.13E+00	2.10E+00	2.00E+00	1.76E+00	1.06E+00	0.00E+00	1.43E-07
0.550	2.19E+00	2.18E+00	2.15E+00	2.05E+00	1.81E+00	1.10E+00	0.00E+00	2.09E-07
0.575	2.23E+00	2.21E+00	2.18E+00	2.09E+00	1.86E+00	1.14E+00	0.00E+00	3.39E-07
0.600	2.28E+00	2.26E+00	2.23E+00	2.14E+00	1.92E+00	1.17E+00	8.83E-11	4.95E-07
0.625	2.35E+00	2.34E+00	2.32E+00	2.22E+00	1.99E+00	1.20E+00	3.20E-08	2.03E-06
0.650	2.41E+00	2.39E+00	2.37E+00	2.28E+00	2.05E+00	1.23E+00	3.28E-07	2.18E-05
0.675	2.47E+00	2.45E+00	2.41E+00	2.31E+00	2.08E+00	1.27E+00	1.49E-05	9.97E-05
0.700	2.58E+00	2.56E+00	2.53E+00	2.41E+00	2.14E+00	1.30E+00	2.11E-04	7.69E-04
0.725	2.65E+00	2.63E+00	2.60E+00	2.48E+00	2.21E+00	1.36E+00	7.76E-04	1.14E-03
0.750	2.76E+00	2.74E+00	2.70E+00	2.59E+00	2.29E+00	1.40E+00	2.05E-03	4.30E-03
0.775	2.80E+00	2.79E+00	2.76E+00	2.65E+00	2.32E+00	1.47E+00	5.92E-03	6.48E-03
0.800	2.90E+00	2.87E+00	2.83E+00	2.70E+00	2.44E+00	1.53E+00	1.24E-02	1.12E-02
0.825	3.13E+00	3.12E+00	3.08E+00	2.94E+00	2.57E+00	1.59E+00	1.55E-02	1.77E-02
0.850	3.30E+00	3.27E+00	3.22E+00	3.06E+00	2.71E+00	1.66E+00	2.15E-02	2.33E-02
0.875	3.47E+00	3.44E+00	3.39E+00	3.23E+00	2.86E+00	1.75E+00	3.39E-02	3.23E-02
0.900	3.81E+00	3.78E+00	3.71E+00	3.57E+00	3.12E+00	1.81E+00	4.57E-02	4.26E-02
0.925	4.12E+00	4.10E+00	4.04E+00	3.85E+00	3.30E+00	2.01E+00	7.08E-02	6.55E-02
0.950	4.63E+00	4.60E+00	4.53E+00	4.30E+00	3.73E+00	2.18E+00	8.91E-02	7.30E-02
0.975	5.40E+00	5.38E+00	5.33E+00	5.09E+00	4.32E+00	2.41E+00	1.33E-01	1.12E-01
1.000	7.19E+00	7.14E+00	7.03E+00	6.64E+00	5.67E+00	3.52E+00	4.31E-01	2.30E-01

Summary of dose at graphical times, reptition 1
 Dose statistics at graphical times, mrem/yr

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.18E+00	7.19E+00	2.40E+00	2.05E+00	4.04E+00	4.98E+00	5.33E+00	7.18E+00
1.00E+00	1.18E+00	7.14E+00	2.38E+00	2.03E+00	4.03E+00	4.94E+00	5.30E+00	7.12E+00
3.00E+00	1.16E+00	7.03E+00	2.35E+00	2.00E+00	4.00E+00	4.86E+00	5.22E+00	7.01E+00
8.26E+00	1.13E+00	6.74E+00	2.27E+00	1.93E+00	3.87E+00	4.66E+00	5.03E+00	6.72E+00
1.00E+01	1.12E+00	6.64E+00	2.25E+00	1.91E+00	3.82E+00	4.60E+00	4.97E+00	6.62E+00
1.65E+01	1.08E+00	6.28E+00	2.15E+00	1.84E+00	3.63E+00	4.36E+00	4.75E+00	6.27E+00
2.48E+01	1.03E+00	5.85E+00	2.04E+00	1.76E+00	3.39E+00	4.07E+00	4.47E+00	5.84E+00
3.00E+01	9.97E-01	5.59E+00	1.98E+00	1.71E+00	3.25E+00	3.90E+00	4.31E+00	5.58E+00
3.31E+01	9.80E-01	5.44E+00	1.96E+00	1.70E+00	3.33E+00	3.90E+00	4.24E+00	5.43E+00
4.13E+01	9.33E-01	5.06E+00	1.85E+00	1.61E+00	3.11E+00	3.54E+00	3.96E+00	5.05E+00
4.96E+01	8.88E-01	4.70E+00	1.74E+00	1.52E+00	2.83E+00	3.30E+00	3.73E+00	4.69E+00
5.79E+01	8.45E-01	4.35E+00	1.64E+00	1.43E+00	2.73E+00	3.07E+00	3.50E+00	4.35E+00
6.61E+01	8.02E-01	4.03E+00	1.55E+00	1.35E+00	2.54E+00	2.85E+00	3.28E+00	4.02E+00
7.44E+01	7.61E-01	3.73E+00	1.46E+00	1.27E+00	2.37E+00	2.71E+00	3.07E+00	3.72E+00
8.26E+01	7.22E-01	3.44E+00	1.36E+00	1.18E+00	2.22E+00	2.56E+00	2.88E+00	3.43E+00
9.09E+01	6.83E-01	3.16E+00	1.28E+00	1.11E+00	2.14E+00	2.37E+00	2.69E+00	3.16E+00
9.92E+01	6.45E-01	2.91E+00	1.20E+00	1.04E+00	1.98E+00	2.19E+00	2.52E+00	2.90E+00
1.00E+02	6.41E-01	2.88E+00	1.19E+00	1.03E+00	1.97E+00	2.17E+00	2.51E+00	2.88E+00
1.07E+02	6.07E-01	2.66E+00	1.13E+00	9.73E-01	1.84E+00	2.02E+00	2.39E+00	2.66E+00
1.16E+02	5.69E-01	2.43E+00	1.05E+00	9.06E-01	1.70E+00	1.93E+00	2.23E+00	2.43E+00
1.24E+02	5.33E-01	2.22E+00	9.76E-01	8.40E-01	1.57E+00	1.83E+00	2.08E+00	2.22E+00
1.32E+02	4.97E-01	2.07E+00	9.04E-01	7.76E-01	1.47E+00	1.67E+00	1.90E+00	2.07E+00
1.40E+02	4.63E-01	1.93E+00	8.34E-01	7.15E-01	1.37E+00	1.53E+00	1.77E+00	1.93E+00
1.49E+02	4.29E-01	1.80E+00	7.67E-01	6.59E-01	1.24E+00	1.39E+00	1.65E+00	1.80E+00
1.57E+02	3.95E-01	1.68E+00	7.02E-01	6.04E-01	1.14E+00	1.28E+00	1.53E+00	1.67E+00
1.65E+02	3.62E-01	1.55E+00	6.37E-01	5.47E-01	1.02E+00	1.15E+00	1.42E+00	1.55E+00
1.74E+02	3.30E-01	1.49E+00	5.75E-01	5.01E-01	9.15E-01	1.06E+00	1.28E+00	1.49E+00
1.82E+02	2.98E-01	1.43E+00	5.14E-01	4.46E-01	8.03E-01	9.90E-01	1.13E+00	1.43E+00
1.90E+02	2.65E-01	1.37E+00	4.56E-01	3.92E-01	7.44E-01	8.52E-01	1.02E+00	1.37E+00
1.98E+02	2.33E-01	1.31E+00	3.97E-01	3.44E-01	6.38E-01	7.21E-01	8.64E-01	1.31E+00
2.07E+02	2.01E-01	1.11E+00	3.37E-01	2.95E-01	5.44E-01	5.96E-01	7.19E-01	1.10E+00
2.15E+02	1.68E-01	8.81E-01	2.79E-01	2.42E-01	4.50E-01	5.15E-01	5.94E-01	8.78E-01
2.23E+02	1.35E-01	6.64E-01	2.21E-01	1.89E-01	3.58E-01	4.25E-01	4.73E-01	6.62E-01
2.31E+02	9.97E-02	4.55E-01	1.63E-01	1.37E-01	2.76E-01	3.42E-01	3.81E-01	4.54E-01
2.40E+02	6.14E-02	3.02E-01	1.02E-01	8.15E-02	1.75E-01	2.51E-01	2.68E-01	3.01E-01
2.48E+02	1.23E-02	4.15E-01	3.43E-02	1.58E-02	9.53E-02	1.58E-01	1.81E-01	4.13E-01
2.56E+02	0.00E+00	4.28E-01	1.73E-02	0.00E+00	5.08E-02	1.44E-01	1.56E-01	4.25E-01
2.64E+02	0.00E+00	4.29E-01	1.67E-02	0.00E+00	5.03E-02	1.27E-01	1.57E-01	4.26E-01
2.73E+02	0.00E+00	4.29E-01	1.66E-02	0.00E+00	5.23E-02	1.12E-01	1.57E-01	4.26E-01
2.81E+02	0.00E+00	4.29E-01	1.66E-02	0.00E+00	5.42E-02	1.02E-01	1.58E-01	4.27E-01
2.89E+02	0.00E+00	4.30E-01	1.65E-02	0.00E+00	5.59E-02	1.03E-01	1.56E-01	4.27E-01
2.98E+02	0.00E+00	4.31E-01	1.57E-02	0.00E+00	5.53E-02	1.05E-01	1.33E-01	4.28E-01
3.00E+02	0.00E+00	4.31E-01	1.55E-02	0.00E+00	5.42E-02	9.99E-02	1.29E-01	4.28E-01
3.06E+02	0.00E+00	3.91E-01	1.47E-02	0.00E+00	5.16E-02	9.51E-02	1.26E-01	3.88E-01
3.14E+02	0.00E+00	1.47E-01	1.06E-02	0.00E+00	4.66E-02	7.72E-02	1.05E-01	1.47E-01
3.22E+02	0.00E+00	1.47E-01	1.01E-02	0.00E+00	3.30E-02	6.37E-02	1.09E-01	1.47E-01
3.31E+02	0.00E+00	1.47E-01	9.91E-03	0.00E+00	3.30E-02	6.48E-02	1.11E-01	1.47E-01
3.39E+02	0.00E+00	1.47E-01	1.04E-02	0.00E+00	3.66E-02	6.71E-02	1.13E-01	1.47E-01
3.47E+02	0.00E+00	1.47E-01	1.07E-02	0.00E+00	3.34E-02	7.80E-02	1.14E-01	1.47E-01
3.55E+02	0.00E+00	1.47E-01	1.08E-02	0.00E+00	3.00E-02	7.81E-02	1.23E-01	1.47E-01
3.64E+02	0.00E+00	3.82E+00	4.90E-02	0.00E+00	3.23E-02	1.08E-01	1.39E-01	3.78E+00
3.72E+02	0.00E+00	1.47E-01	1.08E-02	0.00E+00	2.62E-02	7.82E-02	1.30E-01	1.47E-01
3.80E+02	0.00E+00	1.47E-01	1.09E-02	0.00E+00	2.63E-02	7.83E-02	1.31E-01	1.47E-01
3.88E+02	0.00E+00	1.47E-01	1.10E-02	0.00E+00	3.23E-02	7.84E-02	1.31E-01	1.47E-01
3.97E+02	0.00E+00	1.47E-01	1.12E-02	0.00E+00	3.25E-02	7.89E-02	1.32E-01	1.47E-01
4.05E+02	0.00E+00	1.47E-01	1.13E-02	0.00E+00	3.27E-02	7.98E-02	1.32E-01	1.47E-01
4.13E+02	0.00E+00	1.47E-01	1.15E-02	0.00E+00	3.29E-02	8.06E-02	1.32E-01	1.47E-01
4.21E+02	0.00E+00	1.47E-01	1.17E-02	0.00E+00	3.36E-02	8.12E-02	1.32E-01	1.47E-01
4.30E+02	0.00E+00	1.47E-01	1.19E-02	0.00E+00	3.48E-02	8.80E-02	1.33E-01	1.47E-01
4.38E+02	0.00E+00	1.38E-01	1.18E-02	4.57E-11	3.62E-02	9.56E-02	1.24E-01	1.38E-01
4.46E+02	0.00E+00	1.38E-01	1.15E-02	4.57E-11	3.77E-02	8.21E-02	1.19E-01	1.38E-01
4.55E+02	0.00E+00	1.38E-01	1.14E-02	4.57E-11	4.00E-02	8.22E-02	1.19E-01	1.38E-01
4.63E+02	0.00E+00	1.38E-01	1.18E-02	1.35E-10	4.18E-02	8.21E-02	1.22E-01	1.38E-01
4.71E+02	0.00E+00	1.45E-01	1.27E-02	1.14E-10	4.31E-02	1.09E-01	1.33E-01	1.45E-01
4.79E+02	0.00E+00	2.18E-01	1.35E-02	9.84E-11	4.41E-02	1.09E-01	1.33E-01	2.17E-01
4.88E+02	0.00E+00	2.72E-01	1.41E-02	8.62E-11	4.48E-02	1.09E-01	1.34E-01	2.71E-01
4.96E+02	0.00E+00	3.12E-01	1.46E-02	8.07E-11	4.54E-02	1.09E-01	1.36E-01	3.11E-01
5.04E+02	0.00E+00	3.42E-01	1.49E-02	2.15E-09	4.58E-02	1.09E-01	1.37E-01	3.40E-01
5.12E+02	0.00E+00	3.64E-01	1.51E-02	2.15E-09	4.63E-02	1.09E-01	1.34E-01	3.62E-01
5.21E+02	0.00E+00	3.80E-01	1.52E-02	2.16E-09	4.71E-02	1.09E-01	1.34E-01	3.78E-01
5.29E+02	0.00E+00	3.92E-01	1.51E-02	2.16E-09	4.80E-02	1.02E-01	1.25E-01	3.89E-01
5.37E+02	0.00E+00	4.01E-01	1.48E-02	2.16E-09	4.89E-02	8.58E-02	1.24E-01	3.98E-01
5.45E+02	0.00E+00	4.07E-01	1.46E-02	7.36E-09	4.98E-02	7.89E-02	1.24E-01	4.04E-01
5.54E+02	0.00E+00	4.00E-01	1.43E-02	8.51E-09	5.05E-02	7.82E-02	1.24E-01	3.98E-01
5.62E+02	0.00E+00	2.96E-01	1.31E-02	1.06E-08	4.60E-02	7.75E-02	1.24E-01	2.95E-01
5.70E+02	0.00E+00	2.19E-01	1.22E-02	1.06E-08	4.46E-02	7.68E-02	1.25E-01	2.18E-01
5.79E+02	0.00E+00	1.61E-01	1.30E-02	1.35E-08	4.62E-02	7.84E-02	1.47E-01	1.61E-01
5.87E+02	0.00E+00	4.56E-01	1.85E-02	1.75E-08	4.66E-02	1.10E-01	2.12E-01	4.54E-01
5.95E+02	0.00E+00	9.32E-01	2.36E-02	1.75E-08	4.74E-02	8.67E-02	2.49E-01	9.26E-01
6.03E+02	0.00E+00	6.35E-01	2.08E-02	1.75E-08	4.98E-02	7.83E-02	2.70E-01	6.33E-01
6.12E+02	0.00E+00	4.41E-01	1.88E-02	1.75E-08	4.68E-02	7.83E-02	2.78E-01	4.40E-01
6.20E+02	0.00E+00	4.55E-01	1.67E-02	1.75E-08	4.62E-02	7.63E-02	1.96E-01	4.53E-01
6.28E+02	0.00E+00	4.63E-01	1.50E-02	1.75E-08	4.21E-02	7.57E-02	1.36E-01	4.60E-01
6.36E+02	0.00E+00	3.62E-01	1.29E-02	1.75E-08	4.27E-02	6.05E-02	1.05E-01	3.60E-01
6.45E+02	0.00E+00	3.80E-01	1.44E-02	3.29E-08	4.33E-02	7.58E-02	1.46E-01	3.78E-01
6.53E+02	0.00E+00	3.90E-01	1.32E-02	4.98E-08	4.38E-02	6.31E-02	9.68E-02	3.87E-01
6.61E+02	0.00E+00	3.90E-01	1.24E-02	5.12E-08	4.39E-02	6.45E-02	7.75E-02	3.87E-01
6.69E+02	0.00E+00	3.94E-01	1.20E-02	5.84E-08	3.92E-02	6.37E-02	7.75E-02	3.91E-01
6.78E+02	0.00E+00	3.90E-01	1.17E-02	5.84E-08	3.92E-02	6.46E-02	7.75E-02	3.87E-01
6.86E+02	0.00E+00	3.91E-01	1.15E-02	5.84E-08	3.97E-02	6.55E-02	7.75E-02	3.88E-01
6.94E+02	0.00E+00	3.92E-01	1.22E-02	6.73E-08	4.61E-02	6.87E-02	7.75E-02	3.89E-01
7.02E+02	0.00E+00	3.95E-01	1.33E-02	6.82E-08	4.62E-02	6.94E-02	1.26E-01	3.93E-01
7.11E+02	0.00E+00	3.90E-01	1.38E-02	6.91E-08	4.62E-02	7.01E-02	1.55E-01	3.88E-01
7.19E+02	0.00E+00	2.71E-01	1.03E-02	6.96E-08	4.09E-02	6.91E-02	7.75E-02	2.69E-01
7.27E+02	0.00E+00	2.89E-01	1.04E-02	6.97E-08	4.11E-02	7.00E-02	7.75E-02	2.87E-01
7.36E+02	0.00E+00	2.98E-01	1.06E-02	6.98E-08	4.12E-02	7.04E-02	7.75E-02	2.96E-01
7.44E+02	0.00E+00	3.04E-01	1.12E-02	6.98E-08	4.63E-02	7.11E-02	7.47E-02	3.01E-01
7.52E+02	0.00E+00	3.07E-01	1.13E-02	6.99E-08	4.18E-02	7.10E-02	8.81E-02	3.04E-01
7.60E+02	0.00E+00	3.08E-01	1.15E-02	8.24E-08	4.15E-02	7.12E-02	1.02E-01	3.06E-01

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	9.84E-01	5.71E+00	2.35E+00	2.15E+00	3.74E+00	4.45E+00	5.18E+00	5.71E+00
1.00E+00	9.79E-01	5.67E+00	2.33E+00	2.13E+00	3.72E+00	4.42E+00	5.14E+00	5.67E+00
3.00E+00	9.68E-01	5.59E+00	2.30E+00	2.11E+00	3.68E+00	4.37E+00	5.06E+00	5.59E+00
8.26E+00	9.42E-01	5.38E+00	2.23E+00	2.05E+00	3.59E+00	4.23E+00	4.87E+00	5.38E+00
1.00E+01	9.33E-01	5.31E+00	2.20E+00	2.02E+00	3.55E+00	4.17E+00	4.81E+00	5.31E+00
1.65E+01	9.01E-01	5.07E+00	2.11E+00	1.93E+00	3.44E+00	3.97E+00	4.59E+00	5.06E+00
2.48E+01	8.61E-01	4.77E+00	2.00E+00	1.85E+00	3.29E+00	3.72E+00	4.32E+00	4.77E+00
3.00E+01	8.37E-01	4.57E+00	1.94E+00	1.79E+00	3.17E+00	3.57E+00	4.15E+00	4.56E+00
3.31E+01	8.23E-01	4.45E+00	1.90E+00	1.75E+00	3.09E+00	3.48E+00	4.06E+00	4.44E+00
4.13E+01	7.86E-01	4.14E+00	1.81E+00	1.67E+00	2.91E+00	3.26E+00	3.82E+00	4.13E+00
4.96E+01	7.50E-01	3.84E+00	1.71E+00	1.58E+00	2.76E+00	3.04E+00	3.59E+00	3.84E+00
5.79E+01	7.16E-01	3.57E+00	1.62E+00	1.49E+00	2.62E+00	2.85E+00	3.35E+00	3.56E+00
6.61E+01	6.82E-01	3.31E+00	1.52E+00	1.40E+00	2.45E+00	2.73E+00	3.11E+00	3.30E+00
7.44E+01	6.49E-01	3.06E+00	1.42E+00	1.33E+00	2.25E+00	2.47E+00	2.89E+00	3.06E+00
8.26E+01	6.17E-01	2.83E+00	1.33E+00	1.24E+00	2.09E+00	2.35E+00	2.67E+00	2.82E+00
9.09E+01	5.86E-01	2.61E+00	1.25E+00	1.16E+00	1.94E+00	2.27E+00	2.47E+00	2.60E+00
9.92E+01	5.55E-01	2.40E+00	1.17E+00	1.08E+00	1.80E+00	2.10E+00	2.28E+00	2.40E+00
1.00E+02	5.52E-01	2.38E+00	1.16E+00	1.08E+00	1.79E+00	2.09E+00	2.27E+00	2.38E+00
1.07E+02	5.25E-01	2.20E+00	1.10E+00	1.01E+00	1.67E+00	1.95E+00	2.11E+00	2.20E+00
1.16E+02	4.96E-01	2.01E+00	1.02E+00	9.40E-01	1.55E+00	1.80E+00	1.95E+00	2.01E+00
1.24E+02	4.67E-01	1.84E+00	9.50E-01	8.80E-01	1.47E+00	1.66E+00	1.80E+00	1.84E+00
1.32E+02	4.39E-01	1.67E+00	8.82E-01	8.14E-01	1.38E+00	1.54E+00	1.65E+00	1.67E+00
1.40E+02	4.11E-01	1.54E+00	8.16E-01	7.50E-01	1.26E+00	1.42E+00	1.50E+00	1.53E+00
1.49E+02	3.83E-01	1.78E+00	7.62E-01	6.93E-01	1.16E+00	1.34E+00	1.40E+00	1.77E+00
1.57E+02	3.55E-01	1.91E+00	7.00E-01	6.35E-01	1.04E+00	1.22E+00	1.31E+00	1.91E+00
1.65E+02	3.28E-01	1.60E+00	6.37E-01	5.74E-01	9.70E-01	1.09E+00	1.26E+00	1.60E+00
1.74E+02	3.00E-01	1.56E+00	5.73E-01	5.14E-01	8.93E-01	9.62E-01	1.16E+00	1.55E+00
1.82E+02	2.72E-01	1.51E+00	5.12E-01	4.59E-01	7.87E-01	8.80E-01	1.07E+00	1.51E+00
1.90E+02	2.44E-01	1.46E+00	4.51E-01	4.03E-01	6.87E-01	7.43E-01	9.39E-01	1.46E+00
1.98E+02	2.16E-01	1.42E+00	3.90E-01	3.49E-01	5.75E-01	6.58E-01	7.98E-01	1.42E+00
2.07E+02	1.87E-01	1.38E+00	3.32E-01	2.95E-01	4.78E-01	5.52E-01	7.03E-01	1.37E+00
2.15E+02	1.58E-01	1.32E+00	2.75E-01	2.42E-01	3.86E-01	4.49E-01	5.98E-01	1.31E+00
2.23E+02	1.28E-01	1.28E+00	2.19E-01	1.95E-01	3.02E-01	3.50E-01	4.57E-01	1.27E+00
2.31E+02	9.53E-02	1.23E+00	1.62E-01	1.41E-01	2.17E-01	2.53E-01	3.21E-01	1.22E+00
2.40E+02	5.94E-02	1.18E+00	1.03E-01	8.48E-02	1.27E-01	1.72E-01	2.33E-01	1.17E+00
2.48E+02	1.20E-02	1.12E+00	3.47E-02	1.63E-02	4.82E-02	6.36E-02	1.72E-01	1.12E+00
2.56E+02	0.00E+00	1.10E+00	1.82E-02	0.00E+00	3.36E-02	5.87E-02	1.01E-01	1.09E+00
2.64E+02	0.00E+00	1.09E+00	2.65E-02	0.00E+00	3.47E-02	6.05E-02	4.86E-01	1.09E+00
2.73E+02	0.00E+00	1.36E+00	3.49E-02	0.00E+00	3.68E-02	6.52E-02	7.62E-01	1.36E+00
2.81E+02	0.00E+00	1.09E+00	3.09E-02	0.00E+00	3.68E-02	6.95E-02	7.03E-01	1.09E+00
2.89E+02	0.00E+00	4.92E-01	1.53E-02	0.00E+00	3.69E-02	7.34E-02	2.19E-01	4.90E-01
2.98E+02	0.00E+00	3.94E-01	1.18E-02	0.00E+00	3.69E-02	7.14E-02	1.14E-01	3.92E-01
3.00E+02	0.00E+00	3.69E-01	1.12E-02	0.00E+00	3.69E-02	7.04E-02	9.86E-02	3.66E-01
3.06E+02	0.00E+00	3.16E-01	1.03E-02	0.00E+00	3.69E-02	5.73E-02	9.90E-02	3.14E-01
3.14E+02	0.00E+00	2.52E-01	1.02E-02	0.00E+00	3.69E-02	6.65E-02	1.01E-01	2.51E-01
3.22E+02	0.00E+00	2.02E-01	1.08E-02	0.00E+00	3.69E-02	6.47E-02	1.50E-01	2.01E-01
3.31E+02	0.00E+00	2.95E-01	1.16E-02	0.00E+00	3.69E-02	6.35E-02	1.39E-01	2.94E-01
3.39E+02	0.00E+00	1.32E+00	2.50E-02	0.00E+00	4.67E-02	9.03E-02	2.29E-01	1.31E+00
3.47E+02	0.00E+00	1.71E+00	2.86E-02	0.00E+00	4.70E-02	9.22E-02	2.14E-01	1.70E+00
3.55E+02	0.00E+00	1.79E+00	2.91E-02	0.00E+00	4.73E-02	7.94E-02	2.05E-01	1.77E+00
3.64E+02	0.00E+00	8.68E-01	1.96E-02	0.00E+00	4.75E-02	6.65E-02	1.96E-01	8.62E-01
3.72E+02	0.00E+00	3.80E-01	1.62E-02	0.00E+00	4.98E-02	9.67E-02	2.14E-01	3.79E-01
3.80E+02	0.00E+00	5.07E-01	1.58E-02	0.00E+00	3.90E-02	7.15E-02	1.79E-01	5.05E-01
3.88E+02	0.00E+00	5.09E-01	1.53E-02	0.00E+00	3.73E-02	7.40E-02	1.71E-01	5.06E-01
3.97E+02	0.00E+00	5.09E-01	1.50E-02	0.00E+00	3.74E-02	7.39E-02	1.63E-01	5.06E-01
4.05E+02	0.00E+00	5.10E-01	1.48E-02	0.00E+00	3.87E-02	6.71E-02	1.56E-01	5.07E-01
4.13E+02	0.00E+00	5.13E-01	1.47E-02	0.00E+00	4.09E-02	6.33E-02	1.49E-01	5.09E-01
4.21E+02	0.00E+00	5.18E-01	1.41E-02	0.00E+00	4.32E-02	6.33E-02	1.24E-01	5.14E-01
4.30E+02	0.00E+00	5.09E-01	1.36E-02	0.00E+00	3.78E-02	6.27E-02	1.19E-01	5.06E-01
4.38E+02	0.00E+00	4.84E-01	1.32E-02	0.00E+00	3.79E-02	6.31E-02	1.14E-01	4.81E-01
4.46E+02	0.00E+00	1.28E-01	8.26E-03	0.00E+00	3.80E-02	5.75E-02	7.72E-02	1.28E-01
4.55E+02	0.00E+00	1.17E-01	8.78E-03	0.00E+00	3.81E-02	6.31E-02	7.88E-02	1.17E-01
4.63E+02	0.00E+00	1.10E-01	9.17E-03	0.00E+00	3.82E-02	6.31E-02	9.97E-02	1.10E-01
4.71E+02	0.00E+00	1.34E-01	9.41E-03	0.00E+00	3.83E-02	6.31E-02	9.54E-02	1.34E-01
4.79E+02	0.00E+00	1.48E-01	9.56E-03	2.02E-18	3.84E-02	6.32E-02	9.05E-02	1.47E-01
4.88E+02	0.00E+00	1.55E-01	9.63E-03	4.09E-17	3.85E-02	6.55E-02	8.59E-02	1.55E-01
4.96E+02	0.00E+00	1.60E-01	9.67E-03	1.77E-13	3.86E-02	6.59E-02	8.36E-02	1.59E-01
5.04E+02	0.00E+00	1.62E-01	9.70E-03	1.75E-13	3.87E-02	6.32E-02	8.60E-02	1.61E-01
5.12E+02	0.00E+00	8.83E-01	1.85E-02	2.40E-13	4.80E-02	6.83E-02	1.30E-01	8.76E-01
5.21E+02	0.00E+00	1.10E+00	2.07E-02	5.02E-13	4.09E-02	6.84E-02	1.30E-01	1.09E+00
5.29E+02	0.00E+00	1.15E+00	2.12E-02	5.37E-13	3.89E-02	6.85E-02	1.31E-01	1.14E+00
5.37E+02	0.00E+00	1.16E+00	2.13E-02	5.70E-13	3.90E-02	6.85E-02	1.31E-01	1.15E+00
5.45E+02	0.00E+00	7.92E-01	2.21E-02	1.06E-10	4.83E-02	8.84E-02	3.02E-01	7.89E-01
5.54E+02	0.00E+00	1.41E+00	2.54E-02	1.63E-10	4.83E-02	9.05E-02	1.72E-01	1.39E+00
5.62E+02	0.00E+00	9.60E-01	1.96E-02	1.26E-10	4.06E-02	6.85E-02	1.31E-01	9.52E-01
5.70E+02	0.00E+00	5.17E-01	1.46E-02	9.68E-11	3.94E-02	6.84E-02	1.31E-01	5.13E-01
5.79E+02	0.00E+00	2.78E-01	1.21E-02	7.45E-11	3.95E-02	6.84E-02	1.31E-01	2.77E-01
5.87E+02	0.00E+00	1.65E-01	1.08E-02	5.75E-11	3.95E-02	6.83E-02	1.24E-01	1.64E-01
5.95E+02	0.00E+00	1.65E-01	1.01E-02	4.44E-11	3.96E-02	6.83E-02	1.00E-01	1.64E-01
6.03E+02	0.00E+00	1.65E-01	9.90E-03	3.43E-11	3.97E-02	6.51E-02	1.00E-01	1.64E-01
6.12E+02	0.00E+00	1.65E-01	9.82E-03	2.65E-11	3.66E-02	6.52E-02	1.01E-01	1.64E-01
6.20E+02	0.00E+00	1.65E-01	9.81E-03	2.06E-11	3.81E-02	6.53E-02	1.01E-01	1.64E-01
6.28E+02	0.00E+00	1.65E-01	9.83E-03	1.60E-11	4.00E-02	6.53E-02	1.01E-01	1.64E-01
6.36E+02	0.00E+00	1.45E-01	9.67E-03	1.25E-11	4.01E-02	6.54E-02	1.01E-01	1.45E-01
6.45E+02	0.00E+00	1.79E-01	1.07E-02	9.79E-12	4.84E-02	6.77E-02	1.01E-01	1.79E-01
6.53E+02	0.00E+00	4.06E-01	1.27E-02	2.53E-09	4.40E-02	6.54E-02	1.01E-01	4.03E-01
6.61E+02	0.00E+00	5.64E-01	1.43E-02	4.88E-09	3.97E-02	6.54E-02	1.00E-01	5.59E-01
6.69E+02	0.00E+00	6.72E-01	1.55E-02	5.63E-09	4.04E-02	6.54E-02	1.01E-01	6.66E-01
6.78E+02	0.00E+00	7.46E-01	1.61E-02	5.75E-09	4.05E-02	6.54E-02	1.01E-01	7.39E-01
6.86E+02	0.00E+00	5.27E-01	1.39E-02	5.87E-09	4.06E-02	6.54E-02	1.01E-01	5.22E-01
6.94E+02	0.00E+00	3.67E-01	1.22E-02	5.97E-09	4.07E-02	6.54E-02	1.01E-01	3.65E-01
7.02E+02	0.00E+00	2.57E-01	1.11E-02	6.06E-09	4.08E-02	6.54E-02	1.01E-01	2.56E-01
7.11E+02	0.00E+00	1.81E-01	1.03E-02	6.13E-09	4.09E-02	6.54E-02	1.01E-01	1.80E-01
7.19E+02	0.00E+00	1.28E-01	9.73E-03	9.61E-09	4.10E-02	6.54E-02	1.01E-01	1.28E-01
7.27E+02	0.00E+00	1.01E-01	9.56E-03	1.90E-08	3.91E-02	6.54E-02	9.58E-02	1.01E-01
7.36E+02	0.00E+00	1.01E-01	9.29E-03	2.83E-08	3.71E-02	6.54E-02	8.29E-02	1.01E-01
7.44E+02	0.00E+00	2.00E-01	1.11E-02	3.31E-08	4.13E-02	6.54E-02	1.01E-01	1.99E-01
7.52E+02	0.00E+00	2.01E-01	1.10E-02	3.32E-08	3.78E-02	6.54E-02	1.01E-01	2.00E-01
7.60E+02	0.00E+00	2.00E-01	1.09E-02	3.32E-08	3.66E-02	6.54E-02	1.01E-01	1.99E-01
7.69E+02	0.00E+00	2.02E-01	1.08E-02	3.33E-08	3.66E-02	6.54E-02	1.01E-01	2.01E-01
7.77E+02	0.00E+							

Summary of dose at graphical times, repetition 3
Dose statistics at graphical times, mrem/yr

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.12E+00	6.82E+00	2.39E+00	2.12E+00	3.65E+00	4.81E+00	6.20E+00	6.82E+00
1.00E+00	1.11E+00	6.78E+00	2.38E+00	2.10E+00	3.63E+00	4.78E+00	6.15E+00	6.78E+00
3.00E+00	1.10E+00	6.70E+00	2.35E+00	2.07E+00	3.58E+00	4.72E+00	6.06E+00	6.70E+00
8.26E+00	1.06E+00	6.49E+00	2.27E+00	2.00E+00	3.44E+00	4.55E+00	5.83E+00	6.48E+00
1.00E+01	1.05E+00	6.42E+00	2.24E+00	1.98E+00	3.40E+00	4.50E+00	5.76E+00	6.41E+00
1.65E+01	1.02E+00	6.16E+00	2.15E+00	1.89E+00	3.24E+00	4.31E+00	5.48E+00	6.16E+00
2.48E+01	9.69E-01	5.85E+00	2.04E+00	1.79E+00	3.06E+00	4.08E+00	5.16E+00	5.85E+00
3.00E+01	9.40E-01	5.67E+00	1.98E+00	1.73E+00	2.94E+00	3.95E+00	4.98E+00	5.66E+00
3.31E+01	9.24E-01	5.56E+00	1.94E+00	1.69E+00	2.88E+00	3.87E+00	4.88E+00	5.55E+00
4.13E+01	8.80E-01	5.27E+00	1.84E+00	1.60E+00	2.71E+00	3.67E+00	4.63E+00	5.27E+00
4.96E+01	8.38E-01	5.00E+00	1.74E+00	1.51E+00	2.55E+00	3.50E+00	4.39E+00	5.00E+00
5.79E+01	7.97E-01	4.74E+00	1.64E+00	1.42E+00	2.42E+00	3.35E+00	4.15E+00	4.74E+00
6.61E+01	7.58E-01	4.47E+00	1.55E+00	1.34E+00	2.25E+00	3.21E+00	3.92E+00	4.46E+00
7.44E+01	7.20E-01	4.16E+00	1.46E+00	1.26E+00	2.15E+00	2.95E+00	3.72E+00	4.16E+00
8.26E+01	6.83E-01	3.86E+00	1.38E+00	1.17E+00	2.03E+00	2.78E+00	3.56E+00	3.86E+00
9.09E+01	6.46E-01	3.66E+00	1.31E+00	1.10E+00	1.92E+00	2.66E+00	3.36E+00	3.66E+00
9.92E+01	6.11E-01	3.54E+00	1.23E+00	1.03E+00	1.78E+00	2.73E+00	3.15E+00	3.53E+00
1.00E+02	6.08E-01	3.52E+00	1.22E+00	1.02E+00	1.77E+00	2.71E+00	3.12E+00	3.52E+00
1.07E+02	5.77E-01	3.41E+00	1.14E+00	9.64E-01	1.65E+00	2.50E+00	2.94E+00	3.41E+00
1.16E+02	5.43E-01	3.29E+00	1.07E+00	8.99E-01	1.52E+00	2.29E+00	2.74E+00	3.29E+00
1.24E+02	5.10E-01	3.17E+00	9.90E-01	8.33E-01	1.42E+00	2.09E+00	2.55E+00	3.17E+00
1.32E+02	4.78E-01	3.06E+00	9.18E-01	7.68E-01	1.35E+00	1.90E+00	2.37E+00	3.05E+00
1.40E+02	4.46E-01	2.80E+00	8.41E-01	7.06E-01	1.27E+00	1.56E+00	2.20E+00	2.79E+00
1.49E+02	4.15E-01	2.53E+00	7.69E-01	6.52E-01	1.14E+00	1.43E+00	2.03E+00	2.52E+00
1.57E+02	3.84E-01	2.27E+00	7.02E-01	5.98E-01	1.06E+00	1.32E+00	1.87E+00	2.27E+00
1.65E+02	3.53E-01	2.02E+00	6.38E-01	5.45E-01	9.60E-01	1.20E+00	1.72E+00	2.02E+00
1.74E+02	3.22E-01	1.80E+00	5.75E-01	4.93E-01	8.48E-01	1.09E+00	1.56E+00	1.80E+00
1.82E+02	2.92E-01	1.60E+00	5.13E-01	4.41E-01	7.43E-01	9.58E-01	1.37E+00	1.60E+00
1.90E+02	2.61E-01	1.37E+00	4.51E-01	3.89E-01	6.42E-01	8.78E-01	1.18E+00	1.37E+00
1.98E+02	2.30E-01	1.16E+00	3.93E-01	3.39E-01	6.09E-01	7.48E-01	9.96E-01	1.16E+00
2.07E+02	1.98E-01	9.52E-01	3.35E-01	2.93E-01	5.10E-01	6.49E-01	8.64E-01	9.52E-01
2.15E+02	1.67E-01	7.57E-01	2.79E-01	2.44E-01	4.10E-01	5.71E-01	7.49E-01	7.57E-01
2.23E+02	1.34E-01	5.72E-01	2.21E-01	1.93E-01	3.24E-01	4.33E-01	5.66E-01	5.72E-01
2.31E+02	9.95E-02	4.59E-01	1.62E-01	1.40E-01	2.32E-01	2.99E-01	3.91E-01	4.59E-01
2.40E+02	6.15E-02	3.92E-01	1.01E-01	8.35E-02	1.62E-01	2.14E-01	2.26E-01	3.91E-01
2.48E+02	1.24E-02	3.16E-01	3.13E-02	1.66E-02	6.48E-02	1.12E-01	1.64E-01	3.15E-01
2.56E+02	0.00E+00	2.99E-01	1.52E-02	0.00E+00	5.40E-02	9.90E-02	1.50E-01	2.98E-01
2.64E+02	0.00E+00	3.00E-01	1.48E-02	0.00E+00	6.04E-02	8.76E-02	1.18E-01	2.98E-01
2.73E+02	0.00E+00	3.01E-01	1.56E-02	0.00E+00	6.35E-02	9.06E-02	1.22E-01	2.99E-01
2.81E+02	0.00E+00	3.02E-01	1.62E-02	0.00E+00	6.38E-02	1.11E-01	1.33E-01	3.01E-01
2.89E+02	0.00E+00	3.04E-01	1.64E-02	0.00E+00	6.48E-02	1.11E-01	1.50E-01	3.03E-01
2.98E+02	0.00E+00	2.98E-01	1.80E-02	0.00E+00	7.22E-02	1.31E-01	1.65E-01	2.97E-01
3.00E+02	0.00E+00	2.99E-01	1.83E-02	0.00E+00	7.29E-02	1.32E-01	1.79E-01	2.98E-01
3.06E+02	0.00E+00	2.99E-01	1.84E-02	0.00E+00	7.01E-02	1.32E-01	1.87E-01	2.98E-01
3.14E+02	0.00E+00	2.30E-01	1.56E-02	0.00E+00	6.28E-02	1.14E-01	1.46E-01	2.29E-01
3.22E+02	0.00E+00	2.30E-01	1.52E-02	0.00E+00	5.74E-02	1.15E-01	1.46E-01	2.29E-01
3.31E+02	0.00E+00	2.30E-01	1.51E-02	0.00E+00	5.28E-02	1.17E-01	1.48E-01	2.30E-01
3.39E+02	0.00E+00	2.30E-01	1.51E-02	0.00E+00	5.14E-02	1.13E-01	1.48E-01	2.30E-01
3.47E+02	0.00E+00	2.31E-01	1.57E-02	0.00E+00	6.09E-02	1.13E-01	1.48E-01	2.30E-01
3.55E+02	0.00E+00	2.32E-01	1.66E-02	0.00E+00	6.71E-02	1.19E-01	1.61E-01	2.31E-01
3.64E+02	0.00E+00	2.33E-01	1.71E-02	0.00E+00	6.69E-02	1.20E-01	1.93E-01	2.33E-01
3.72E+02	0.00E+00	2.72E-01	1.76E-02	0.00E+00	6.66E-02	1.20E-01	1.97E-01	2.72E-01
3.80E+02	0.00E+00	3.07E-01	1.79E-02	0.00E+00	6.65E-02	1.20E-01	1.94E-01	3.06E-01
3.88E+02	0.00E+00	3.31E-01	1.82E-02	0.00E+00	6.60E-02	1.20E-01	1.93E-01	3.30E-01
3.97E+02	0.00E+00	3.49E-01	1.83E-02	0.00E+00	6.06E-02	1.20E-01	1.93E-01	3.48E-01
4.05E+02	0.00E+00	3.61E-01	1.85E-02	0.00E+00	5.55E-02	1.20E-01	1.97E-01	3.60E-01
4.13E+02	0.00E+00	3.28E-01	1.85E-02	0.00E+00	5.19E-02	1.21E-01	2.02E-01	3.27E-01
4.21E+02	0.00E+00	2.34E-01	1.78E-02	0.00E+00	6.40E-02	1.21E-01	2.02E-01	2.34E-01
4.30E+02	0.00E+00	1.85E-01	1.54E-02	0.00E+00	5.17E-02	1.14E-01	1.49E-01	1.85E-01
4.38E+02	0.00E+00	1.90E-01	1.50E-02	0.00E+00	5.18E-02	1.18E-01	1.27E-01	1.90E-01
4.46E+02	0.00E+00	1.95E-01	1.49E-02	0.00E+00	5.18E-02	1.14E-01	1.39E-01	1.95E-01
4.55E+02	0.00E+00	2.00E-01	1.49E-02	0.00E+00	5.18E-02	1.14E-01	1.49E-01	1.99E-01
4.63E+02	0.00E+00	2.04E-01	1.50E-02	6.94E-13	4.88E-02	1.14E-01	1.57E-01	2.04E-01
4.71E+02	0.00E+00	2.04E-01	1.47E-02	2.54E-12	4.87E-02	1.14E-01	1.52E-01	2.03E-01
4.79E+02	0.00E+00	1.95E-01	1.44E-02	8.85E-12	4.87E-02	1.14E-01	1.44E-01	1.95E-01
4.88E+02	0.00E+00	1.88E-01	1.39E-02	1.40E-11	4.88E-02	1.11E-01	1.38E-01	1.87E-01
4.96E+02	0.00E+00	1.81E-01	1.35E-02	2.08E-11	4.89E-02	1.11E-01	1.31E-01	1.80E-01
5.04E+02	0.00E+00	1.74E-01	1.31E-02	2.94E-11	4.89E-02	1.11E-01	1.25E-01	1.74E-01
5.12E+02	0.00E+00	1.68E-01	1.29E-02	4.97E-10	4.33E-02	1.07E-01	1.23E-01	1.68E-01
5.21E+02	0.00E+00	1.63E-01	1.27E-02	5.69E-10	4.38E-02	9.67E-02	1.23E-01	1.63E-01
5.29E+02	0.00E+00	1.59E-01	1.26E-02	6.75E-10	4.91E-02	8.82E-02	1.22E-01	1.59E-01
5.37E+02	0.00E+00	1.55E-01	1.25E-02	8.83E-10	4.91E-02	8.78E-02	1.22E-01	1.55E-01
5.45E+02	0.00E+00	1.51E-01	1.24E-02	1.16E-09	4.91E-02	8.74E-02	1.22E-01	1.51E-01
5.54E+02	0.00E+00	1.47E-01	1.23E-02	1.49E-09	4.91E-02	8.77E-02	1.22E-01	1.47E-01
5.62E+02	0.00E+00	1.44E-01	1.23E-02	1.87E-09	4.92E-02	8.81E-02	1.22E-01	1.44E-01
5.70E+02	0.00E+00	1.41E-01	1.23E-02	7.02E-09	4.91E-02	9.27E-02	1.22E-01	1.41E-01
5.79E+02	0.00E+00	1.38E-01	1.23E-02	1.17E-08	4.55E-02	9.98E-02	1.22E-01	1.38E-01
5.87E+02	0.00E+00	1.35E-01	1.24E-02	1.17E-08	4.58E-02	1.07E-01	1.22E-01	1.35E-01
5.95E+02	0.00E+00	2.49E-01	1.49E-02	1.52E-08	4.92E-02	1.14E-01	1.32E-01	2.48E-01
6.03E+02	0.00E+00	4.74E-01	1.73E-02	1.52E-08	4.92E-02	1.14E-01	1.31E-01	4.71E-01
6.12E+02	0.00E+00	5.43E-01	1.81E-02	1.52E-08	4.95E-02	1.14E-01	1.30E-01	5.39E-01
6.20E+02	0.00E+00	4.34E-01	1.72E-02	1.52E-08	5.18E-02	1.14E-01	1.33E-01	4.31E-01
6.28E+02	0.00E+00	3.46E-01	1.65E-02	1.96E-08	5.18E-02	1.14E-01	1.36E-01	3.44E-01
6.36E+02	0.00E+00	2.75E-01	1.60E-02	1.96E-08	5.18E-02	1.14E-01	1.38E-01	2.74E-01
6.45E+02	0.00E+00	2.19E-01	1.56E-02	1.96E-08	5.18E-02	1.17E-01	1.40E-01	2.18E-01
6.53E+02	0.00E+00	1.74E-01	1.50E-02	1.97E-08	5.18E-02	1.17E-01	1.39E-01	1.73E-01
6.61E+02	0.00E+00	1.52E-01	1.37E-02	1.97E-08	4.96E-02	1.16E-01	1.39E-01	1.52E-01
6.69E+02	0.00E+00	1.69E-01	1.35E-02	1.97E-08	4.98E-02	1.13E-01	1.34E-01	1.69E-01
6.78E+02	0.00E+00	1.86E-01	1.33E-02	2.20E-08	5.04E-02	1.12E-01	1.32E-01	1.86E-01
6.86E+02	0.00E+00	2.02E-01	1.32E-02	2.20E-08	5.09E-02	1.12E-01	1.29E-01	2.02E-01
6.94E+02	0.00E+00	2.16E-01	1.31E-02	2.20E-08	5.14E-02	1.11E-01	1.27E-01	2.15E-01
7.02E+02	0.00E+00	2.24E-01	1.24E-02	2.21E-08	4.88E-02	8.75E-02	1.16E-01	2.23E-01
7.11E+02	0.00E+00	2.27E-01	1.15E-02	2.21E-08	3.59E-02	8.72E-02	1.14E-01	2.26E-01
7.19E+02	0.00E+00	2.28E-01	1.29E-02	2.21E-08	4.83E-02	1.09E-01	1.33E-01	2.27E-01
7.27E+02	0.00E+00	3.12E-01	1.44E-02	2.55E-08	4.84E-02	1.05E-01	1.67E-01	3.11E-01
7.36E+02	0.00E+00	2.71E-01	1.40E-02	2.55E-08	4.84E-02	1.01E-01	1.65E-01	2.71E-01
7.44E+02	0.00E+00	2.36E-01	1.35E-02	2.55E-08	4.84E-02	9.80E-02	1.63E-01	2.36E-01
7.52E+02	0.00E+00	2.13E-01	1.31E-02	2.22E-08	4.84E-02	9.49E-02	1.57E-01	2.12E-01
7.60E+02	0.00E+00	2.07E-01	1.28E-02	2.23E-08	4.85E-02	9.19E-02	1.44E-01	2.06E-01
7.69E+02	0.00E+00	2.00E-01	1.25E-02	2.23E-08	4.86E-02	8.91E-02	1.32E-01	2.00E-01
7.77E+02	0.00E+00	1.94E						

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Probabilistic results summary : Hematite - Surface CSM Sensitivity Analysis
File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - SURFACE 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	0.000E+00	2.398E+00
2	0.000E+00	2.349E+00
3	0.000E+00	2.393E+00

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	40	0.13	40	0.05	21	0.23	21	0.06
Kd of Ac-227 in Unsaturated Zone 1	26	-0.18	11	-0.12	67	0.02	67	0.01
Kd of Ac-227 in Saturated Zone	45	-0.10	42	-0.05	45	-0.13	45	-0.03
Kd of Np-237 in Contaminated Zone	20	0.22	14	0.11	42	-0.14	42	-0.03
Kd of Np-237 in Unsaturated Zone 1	42	0.11	44	0.04	39	-0.14	39	-0.04
Kd of Np-237 in Saturated Zone	56	-0.06	60	-0.02	69	0.02	69	0.00
Kd of Pa-231 in Contaminated Zone	59	-0.06	54	-0.03	23	-0.22	23	-0.05
Kd of Pa-231 in Unsaturated Zone 1	12	-0.28	17	-0.10	18	0.25	18	0.06
Kd of Pa-231 in Saturated Zone	7	0.37	8	0.14	13	0.30	13	0.08
Kd of Pb-210 in Contaminated Zone	9	-0.33	2	-0.56	53	-0.07	54	-0.02
Kd of Pb-210 in Unsaturated Zone 1	32	-0.16	36	-0.05	37	-0.15	36	-0.04
Kd of Pb-210 in Saturated Zone	51	-0.08	52	-0.03	61	0.04	61	0.01
Kd of Pu-239 in Contaminated Zone	66	-0.03	66	-0.01	73	0.00	73	0.00
Kd of Pu-239 in Unsaturated Zone 1	65	0.05	57	0.03	28	-0.20	27	-0.05
Kd of Pu-239 in Saturated Zone	11	-0.29	16	-0.10	65	0.03	65	0.01
Kd of Ra-226 in Contaminated Zone	72	-0.01	71	0.00	22	0.23	22	0.06
Kd of Ra-226 in Unsaturated Zone 1	43	0.11	41	0.05	56	-0.06	56	-0.02
Kd of Ra-226 in Saturated Zone	58	0.06	55	0.03	70	0.02	70	0.00
Kd of Tc-99 in Saturated Zone	6	0.39	1	0.72	26	0.21	26	0.05
Kd of Th-229 in Contaminated Zone	60	-0.06	53	-0.03	20	-0.24	20	-0.06
Kd of Th-229 in Unsaturated Zone 1	47	0.10	47	0.04	12	0.36	12	0.09
Kd of Th-229 in Saturated Zone	14	-0.27	13	-0.12	68	0.02	68	0.01
Kd of Th-230 in Contaminated Zone	24	-0.19	31	-0.06	24	0.21	25	0.05
Kd of Th-230 in Unsaturated Zone 1	61	-0.05	58	-0.02	8	-0.38	8	-0.10
Kd of Th-230 in Saturated Zone	35	0.15	25	0.07	15	-0.29	15	-0.07
Kd of U-233 in Saturated Zone	53	-0.07	50	-0.03	66	0.02	66	0.01
Kd of U-234 in Saturated Zone	55	0.06	61	0.02	72	-0.01	72	0.00
Kd of U-235 in Saturated Zone	30	0.16	26	0.07	44	-0.13	44	-0.03
Kd of U-238 in Saturated Zone	50	-0.08	46	-0.04	60	0.05	60	0.01
Plant transfer factor for Ac	34	-0.16	34	-0.06	52	-0.07	52	-0.02
Meat transfer factor for Ac	41	0.12	32	0.06	49	0.10	49	0.02
Milk transfer factor for Ac	67	-0.03	67	-0.01	40	-0.14	40	-0.03
Fish transfer factor for Ac	38	-0.13	43	-0.04	32	0.18	31	0.04
Plant transfer factor for Pb	73	0.00	73	0.00	51	-0.08	51	-0.02
Meat transfer factor for Pb	25	-0.19	30	-0.07	31	-0.18	32	-0.04
Milk transfer factor for Pb	63	0.05	64	0.02	48	0.11	48	0.03
Fish transfer factor for Pb	70	0.01	70	0.00	62	0.04	62	0.01
Plant transfer factor for Np	48	-0.10	49	-0.04	17	-0.28	17	-0.07
Meat transfer factor for Np	21	-0.21	23	-0.08	43	-0.14	43	-0.03
Milk transfer factor for Np	29	0.17	24	0.08	30	-0.18	29	-0.05
Fish transfer factor for Np	62	0.05	63	0.02	11	0.36	11	0.09
Plant transfer factor for Pu	37	-0.14	38	-0.05	38	0.15	38	0.04
Meat transfer factor for Pu	31	-0.16	35	-0.06	16	0.28	16	0.07
Milk transfer factor for Pu	28	0.17	33	0.06	55	-0.06	55	-0.02
Fish transfer factor for Pu	23	0.19	29	0.07	27	-0.20	28	-0.05
Plant transfer factor for Pa	71	-0.01	72	0.00	33	0.15	33	0.04
Meat transfer factor for Pa	15	-0.26	10	-0.13	57	-0.05	57	-0.01
Milk transfer factor for Pa	19	0.23	22	0.09	36	0.15	37	0.04
Fish transfer factor for Pa	64	-0.05	65	-0.02	7	-0.46	7	-0.13
Plant transfer factor for Ra	22	0.20	20	0.09	50	0.10	50	0.02
Meat transfer factor for Ra	69	0.01	69	0.00	29	-0.18	30	-0.05
Milk transfer factor for Ra	36	0.14	37	0.05	34	-0.15	34	-0.04
Fish transfer factor for Ra	18	-0.24	21	-0.09	46	-0.12	46	-0.03
Plant transfer factor for Tc	3	0.74	5	0.43	4	0.80	4	0.32
Meat transfer factor for Tc	27	0.17	27	0.07	58	0.05	58	0.01
Milk transfer factor for Tc	33	-0.16	28	-0.07	54	-0.07	53	-0.02
Fish transfer factor for Tc	68	0.02	68	0.01	14	0.30	14	0.08
Plant transfer factor for Th	57	0.06	59	0.02	71	-0.01	71	0.00
Meat transfer factor for Th	46	-0.10	48	-0.04	59	-0.05	59	-0.01
Milk transfer factor for Th	16	0.25	18	0.10	41	0.14	41	0.03
Fish transfer factor for Th	49	0.09	51	0.03	19	-0.24	19	-0.06
Plant transfer factor for U	5	0.67	7	0.31	5	0.77	5	0.29
Meat transfer factor for U	10	0.31	15	0.10	6	0.71	6	0.24
Milk transfer factor for U	4	0.70	6	0.35	3	0.81	3	0.34
Fish transfer factor for U	17	-0.25	19	-0.09	10	-0.37	10	-0.10
Well pumping rate	8	0.34	9	0.13	9	0.38	9	0.10
Inhalation rate	13	0.28	12	0.12	63	0.03	63	0.01
Indoor dust filtration factor	52	0.07	56	0.03	64	-0.03	64	-0.01
Depth of soil mixing layer	2	-0.77	4	-0.44	1	-0.91	1	-0.55
Depth of roots	1	-0.81	3	-0.54	2	-0.89	2	-0.49
Wet weight crop yield of fruit, grain and non-leafy vegetables	39	-0.13	39	-0.05	47	0.12	47	0.03
Weathering removal constant of all vegetation	44	-0.11	45	-0.04	25	-0.21	24	-0.05
Wet foliar interception fraction of leafy vegetables	54	0.07	62	0.02	35	0.15	35	0.04

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 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	51	0.12	50	0.03	62	0.03	62	0.01
Kd of Ac-227 in Unsaturated Zone 1	13	0.39	14	0.16	20	0.25	20	0.06
Kd of Ac-227 in Saturated Zone	36	0.19	37	0.06	73	0.00	73	0.00
Kd of Np-237 in Contaminated Zone	64	0.06	64	0.02	32	0.15	32	0.04
Kd of Np-237 in Unsaturated Zone 1	39	0.17	46	0.04	57	0.05	55	0.01
Kd of Np-237 in Saturated Zone	32	0.22	36	0.06	21	0.24	21	0.06
Kd of Pa-231 in Contaminated Zone	58	0.07	62	0.02	49	0.07	49	0.02
Kd of Pa-231 in Unsaturated Zone 1	50	-0.12	52	-0.03	65	0.02	65	0.00
Kd of Pa-231 in Saturated Zone	21	-0.32	21	-0.12	24	0.22	24	0.05
Kd of Pb-210 in Contaminated Zone	24	-0.30	6	-0.23	50	0.06	50	0.02
Kd of Pb-210 in Unsaturated Zone 1	17	0.35	7	0.19	35	0.14	35	0.03
Kd of Pb-210 in Saturated Zone	18	0.35	4	0.27	18	0.29	16	0.08
Kd of Pu-239 in Contaminated Zone	35	-0.20	26	-0.10	19	0.27	19	0.07
Kd of Pu-239 in Unsaturated Zone 1	56	-0.08	55	-0.02	14	-0.30	14	-0.08
Kd of Pu-239 in Saturated Zone	44	-0.15	24	-0.11	39	-0.11	40	-0.03
Kd of Ra-226 in Contaminated Zone	62	-0.06	56	-0.02	33	0.15	33	0.04
Kd of Ra-226 in Unsaturated Zone 1	20	0.33	20	0.12	26	0.19	26	0.05
Kd of Ra-226 in Saturated Zone	29	0.24	35	0.07	59	0.03	60	0.01
Kd of Tc-99 in Saturated Zone	22	0.30	29	0.09	13	0.31	13	0.08
Kd of Th-229 in Contaminated Zone	34	0.22	11	0.16	71	0.00	71	0.00
Kd of Th-229 in Unsaturated Zone 1	23	-0.30	25	-0.11	10	0.33	10	0.09
Kd of Th-229 in Saturated Zone	7	0.50	12	0.16	55	0.05	56	0.01
Kd of Th-230 in Contaminated Zone	37	0.18	30	0.08	34	0.14	34	0.03
Kd of Th-230 in Unsaturated Zone 1	8	0.48	10	0.17	45	-0.08	45	-0.02
Kd of Th-230 in Saturated Zone	14	-0.38	18	-0.14	51	-0.05	51	-0.01
Kd of U-233 in Saturated Zone	43	-0.15	45	-0.04	58	0.04	58	0.01
Kd of U-234 in Saturated Zone	66	0.04	66	0.01	61	-0.03	59	-0.01
Kd of U-235 in Saturated Zone	38	0.17	41	0.05	69	0.00	69	0.00
Kd of U-238 in Saturated Zone	33	0.22	38	0.06	16	-0.29	18	-0.08
Plant transfer factor for Ac	54	-0.09	49	-0.03	30	0.16	29	0.04
Meat transfer factor for Ac	11	0.40	15	0.14	42	0.10	42	0.03
Milk transfer factor for Ac	71	-0.01	71	0.00	29	-0.16	31	-0.04
Fish transfer factor for Ac	12	-0.40	17	-0.14	67	0.02	67	0.00
Plant transfer factor for Pb	67	-0.03	67	-0.01	25	-0.21	25	-0.05
Meat transfer factor for Pb	68	-0.03	68	-0.01	41	-0.11	41	-0.03
Milk transfer factor for Pb	60	-0.06	63	-0.02	44	0.10	44	0.02
Fish transfer factor for Pb	45	-0.15	39	-0.05	43	-0.10	43	-0.03
Plant transfer factor for Np	55	0.08	58	0.02	23	0.22	23	0.06
Meat transfer factor for Np	61	0.06	61	0.02	27	-0.17	27	-0.04
Milk transfer factor for Np	57	0.07	59	0.02	54	0.05	54	0.01
Fish transfer factor for Np	72	0.00	72	0.00	46	0.08	46	0.02
Plant transfer factor for Pu	19	0.34	27	0.10	64	0.03	64	0.01
Meat transfer factor for Pu	70	-0.02	70	0.00	11	-0.31	12	-0.08
Milk transfer factor for Pu	48	0.13	51	0.03	63	0.03	63	0.01
Fish transfer factor for Pu	42	0.15	42	0.05	36	0.14	36	0.03
Plant transfer factor for Pa	9	0.46	9	0.18	72	0.00	72	0.00
Meat transfer factor for Pa	59	0.07	60	0.02	12	0.31	11	0.08
Milk transfer factor for Pa	16	-0.36	19	-0.14	8	-0.38	8	-0.10
Fish transfer factor for Pa	27	0.27	31	0.08	53	0.05	53	0.01
Plant transfer factor for Ra	30	0.24	33	0.07	68	-0.01	68	0.00
Meat transfer factor for Ra	73	0.00	73	0.00	37	-0.13	37	-0.03
Milk transfer factor for Ra	65	-0.05	65	-0.01	38	0.13	38	0.03
Fish transfer factor for Ra	31	-0.23	32	-0.08	7	0.44	7	0.12
Plant transfer factor for Tc	2	0.82	1	0.62	3	0.85	3	0.39
Meat transfer factor for Tc	63	-0.06	57	-0.02	52	0.05	52	0.01
Milk transfer factor for Tc	47	0.14	47	0.04	28	0.16	30	0.04
Fish transfer factor for Tc	46	-0.14	44	-0.04	60	-0.03	61	-0.01
Plant transfer factor for Th	49	0.13	48	0.04	70	0.00	70	0.00
Meat transfer factor for Th	26	-0.28	23	-0.11	66	-0.02	66	0.00
Milk transfer factor for Th	15	0.38	22	0.12	40	0.11	39	0.03
Fish transfer factor for Th	40	0.17	40	0.05	48	0.07	48	0.02
Plant transfer factor for U	6	0.51	13	0.16	6	0.56	6	0.17
Meat transfer factor for U	5	0.58	8	0.19	5	0.59	5	0.18
Milk transfer factor for U	4	0.73	5	0.27	4	0.75	4	0.27
Fish transfer factor for U	53	0.10	54	0.03	31	0.16	28	0.04
Well pumping rate	52	-0.10	53	-0.03	47	0.08	47	0.02
Inhalation rate	10	-0.44	16	-0.14	56	0.05	57	0.01
Indoor dust filtration factor	41	0.16	43	0.05	9	0.35	9	0.09
Depth of soil mixing layer	3	-0.82	3	-0.38	2	-0.88	2	-0.45
Depth of roots	1	-0.87	2	-0.52	1	-0.91	1	-0.55
Wet weight crop yield of fruit, grain and non-leafy vegetables	28	0.25	34	0.07	15	0.30	15	0.08
Weathering removal constant of all vegetation	25	-0.29	28	-0.09	17	-0.29	17	-0.08
Wet foliar interception fraction of leafy vegetables	69	0.02	69	0.01	22	-0.23	22	-0.06

R-SQUARE 0.96 0.96 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 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	38	0.13	30	0.09	46	-0.07	46	-0.02
Kd of Ac-227 in Unsaturated Zone 1	70	-0.03	70	-0.01	56	0.04	56	0.01
Kd of Ac-227 in Saturated Zone	9	0.34	13	0.18	73	-0.01	73	0.00
Kd of Np-237 in Contaminated Zone	40	0.12	32	0.09	16	-0.26	16	-0.08
Kd of Np-237 in Unsaturated Zone 1	35	0.13	31	0.09	49	0.05	49	0.02
Kd of Np-237 in Saturated Zone	21	-0.19	22	-0.11	40	-0.10	40	-0.03
Kd of Pa-231 in Contaminated Zone	20	-0.20	7	-0.35	71	-0.01	71	0.00
Kd of Pa-231 in Unsaturated Zone 1	51	-0.09	38	-0.07	12	0.29	12	0.09
Kd of Pa-231 in Saturated Zone	18	0.22	10	0.29	69	-0.01	69	0.00
Kd of Pb-210 in Contaminated Zone	36	-0.13	39	-0.07	52	0.05	52	0.01
Kd of Pb-210 in Unsaturated Zone 1	60	-0.07	62	-0.03	11	-0.30	11	-0.09
Kd of Pb-210 in Saturated Zone	14	0.26	20	0.13	39	-0.11	39	-0.03
Kd of Pu-239 in Contaminated Zone	37	0.13	44	0.05	72	-0.01	72	0.00
Kd of Pu-239 in Unsaturated Zone 1	34	0.15	41	0.06	61	-0.03	62	-0.01
Kd of Pu-239 in Saturated Zone	61	0.07	64	0.03	42	0.08	42	0.02
Kd of Ra-226 in Contaminated Zone	56	0.08	60	0.03	70	0.01	70	0.00
Kd of Ra-226 in Unsaturated Zone 1	22	0.19	5	0.39	17	0.23	17	0.07
Kd of Ra-226 in Saturated Zone	72	-0.02	73	-0.01	66	0.03	66	0.01
Kd of Tc-99 in Saturated Zone	59	-0.07	61	-0.03	31	0.15	31	0.05
Kd of Th-229 in Contaminated Zone	19	0.20	21	0.12	63	-0.03	63	-0.01
Kd of Th-229 in Unsaturated Zone 1	71	-0.02	71	-0.01	13	-0.29	13	-0.09
Kd of Th-229 in Saturated Zone	67	-0.04	58	-0.03	8	-0.35	8	-0.11
Kd of Th-230 in Contaminated Zone	63	0.06	25	0.10	36	0.11	36	0.03
Kd of Th-230 in Unsaturated Zone 1	24	-0.19	6	-0.37	53	0.05	53	0.01
Kd of Th-230 in Saturated Zone	11	-0.29	12	-0.19	27	-0.17	27	-0.05
Kd of U-233 in Saturated Zone	29	-0.17	40	-0.07	29	-0.15	30	-0.05
Kd of U-234 in Saturated Zone	50	0.09	43	0.05	21	-0.20	21	-0.06
Kd of U-235 in Saturated Zone	46	0.10	53	0.04	41	0.08	41	0.02
Kd of U-238 in Saturated Zone	43	-0.12	34	-0.08	33	-0.12	34	-0.04
Plant transfer factor for Ac	39	0.13	42	0.06	55	0.04	54	0.01
Meat transfer factor for Ac	25	0.18	35	0.08	20	-0.20	20	-0.06
Milk transfer factor for Ac	42	-0.12	49	-0.04	57	-0.04	57	-0.01
Fish transfer factor for Ac	54	0.08	56	0.04	64	-0.03	64	-0.01
Plant transfer factor for Pb	16	0.26	18	0.13	68	-0.02	68	-0.01
Meat transfer factor for Pb	48	-0.10	52	-0.04	9	-0.34	9	-0.11
Milk transfer factor for Pb	68	0.04	68	0.02	58	-0.04	58	-0.01
Fish transfer factor for Pb	65	0.05	66	0.02	32	0.13	32	0.04
Plant transfer factor for Np	30	0.16	19	0.13	26	-0.17	26	-0.05
Meat transfer factor for Np	31	0.16	36	0.08	18	0.22	18	0.07
Milk transfer factor for Np	44	0.11	45	0.05	14	-0.28	14	-0.09
Fish transfer factor for Np	12	0.28	15	0.16	24	-0.18	24	-0.06
Plant transfer factor for Pu	64	0.06	54	0.04	34	-0.12	33	-0.04
Meat transfer factor for Pu	23	0.19	27	0.09	47	-0.07	47	-0.02
Milk transfer factor for Pu	41	0.12	48	0.05	25	0.17	25	0.05
Fish transfer factor for Pu	26	0.17	26	0.10	37	-0.11	37	-0.03
Plant transfer factor for Pa	15	-0.26	14	-0.17	65	0.03	65	0.01
Meat transfer factor for Pa	52	-0.09	59	-0.03	10	-0.32	10	-0.10
Milk transfer factor for Pa	73	-0.02	72	-0.01	23	-0.19	22	-0.06
Fish transfer factor for Pa	69	0.04	69	0.02	35	-0.11	35	-0.03
Plant transfer factor for Ra	27	-0.17	28	-0.09	51	-0.05	51	-0.01
Meat transfer factor for Ra	32	0.16	37	0.07	54	0.04	55	0.01
Milk transfer factor for Ra	58	-0.08	55	-0.04	38	0.11	38	0.03
Fish transfer factor for Ra	33	0.15	33	0.08	28	-0.16	28	-0.05
Plant transfer factor for Tc	4	0.63	3	0.43	2	0.82	2	0.42
Meat transfer factor for Tc	8	0.35	16	0.15	43	0.08	43	0.02
Milk transfer factor for Tc	53	-0.09	46	-0.05	30	0.15	29	0.05
Fish transfer factor for Tc	49	0.10	51	0.04	62	0.03	61	0.01
Plant transfer factor for Th	28	-0.17	29	-0.09	45	0.07	45	0.02
Meat transfer factor for Th	13	0.27	24	0.10	59	-0.03	59	-0.01
Milk transfer factor for Th	66	0.05	67	0.02	7	-0.46	7	-0.15
Fish transfer factor for Th	17	0.25	23	0.11	50	0.05	50	0.01
Plant transfer factor for U	5	0.61	9	0.31	5	0.74	5	0.33
Meat transfer factor for U	6	0.59	8	0.32	6	0.66	6	0.26
Milk transfer factor for U	3	0.65	2	0.46	4	0.76	4	0.34
Fish transfer factor for U	7	0.52	11	0.24	60	0.03	60	0.01
Well pumping rate	10	0.29	17	0.13	48	-0.05	48	-0.02
Inhalation rate	47	-0.10	50	-0.04	44	0.08	44	0.02
Indoor dust filtration factor	57	0.08	63	0.03	15	0.26	15	0.08
Depth of soil mixing layer	2	-0.72	4	-0.40	3	-0.78	3	-0.38
Depth of roots	1	-0.78	1	-0.51	1	-0.84	1	-0.46
Wet weight crop yield of fruit, grain and non-leafy vegetables	62	0.07	65	0.03	19	-0.22	19	-0.07
Weathering removal constant of all vegetation	45	-0.11	47	-0.05	67	-0.02	67	-0.01
Wet foliar interception fraction of leafy vegetables	55	0.08	57	0.03	22	-0.19	23	-0.06

R-SQUARE 0.92 0.92 0.92 0.92

-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	72	0.00	73	0.00	32	0.17	32	0.05
Kd of Ac-227 in Unsaturated Zone 1	47	-0.09	28	-0.07	65	-0.04	65	-0.01
Kd of Ac-227 in Saturated Zone	57	-0.06	56	-0.03	34	-0.16	34	-0.04
Kd of Np-237 in Contaminated Zone	38	0.12	29	0.07	20	-0.25	19	-0.07
Kd of Np-237 in Unsaturated Zone 1	46	0.09	51	0.04	19	-0.25	20	-0.07
Kd of Np-237 in Saturated Zone	19	-0.20	22	-0.08	38	-0.13	39	-0.04
Kd of Pa-231 in Contaminated Zone	49	-0.09	44	-0.05	24	-0.22	24	-0.06
Kd of Pa-231 in Unsaturated Zone 1	67	0.03	67	0.01	23	0.22	23	0.06
Kd of Pa-231 in Saturated Zone	23	0.19	24	0.08	18	0.26	18	0.07
Kd of Pb-210 in Contaminated Zone	9	-0.33	2	-0.61	43	-0.12	43	-0.03
Kd of Pb-210 in Unsaturated Zone 1	55	-0.07	57	-0.03	49	-0.10	48	-0.03
Kd of Pb-210 in Saturated Zone	45	-0.09	47	-0.04	47	0.11	47	0.03
Kd of Pu-239 in Contaminated Zone	71	-0.01	71	0.00	60	0.05	60	0.01
Kd of Pu-239 in Unsaturated Zone 1	65	-0.04	59	-0.02	33	-0.17	33	-0.05
Kd of Pu-239 in Saturated Zone	60	-0.05	65	-0.02	72	0.00	72	0.00
Kd of Ra-226 in Contaminated Zone	16	-0.23	14	-0.10	35	0.15	36	0.04
Kd of Ra-226 in Unsaturated Zone 1	56	0.06	58	0.03	58	-0.06	58	-0.02
Kd of Ra-226 in Saturated Zone	42	0.10	41	0.06	61	0.05	61	0.01
Kd of Tc-99 in Saturated Zone	8	0.36	1	0.75	16	0.27	16	0.08
Kd of Th-229 in Contaminated Zone	58	-0.05	55	-0.03	28	-0.20	28	-0.05
Kd of Th-229 in Unsaturated Zone 1	53	0.08	54	0.03	15	0.29	15	0.08
Kd of Th-229 in Saturated Zone	24	-0.18	18	-0.09	67	0.03	67	0.01
Kd of Th-230 in Contaminated Zone	32	-0.15	40	-0.06	26	0.20	26	0.06
Kd of Th-230 in Unsaturated Zone 1	73	0.00	72	0.00	12	-0.31	13	-0.09
Kd of Th-230 in Saturated Zone	68	-0.03	66	-0.02	13	-0.31	12	-0.09
Kd of U-233 in Saturated Zone	50	-0.09	46	-0.05	57	0.06	57	0.02
Kd of U-234 in Saturated Zone	59	0.05	61	0.02	59	-0.05	59	-0.02
Kd of U-235 in Saturated Zone	25	0.18	16	0.09	44	-0.11	44	-0.03
Kd of U-238 in Saturated Zone	40	-0.11	39	-0.06	73	0.00	73	0.00
Plant transfer factor for Ac	21	-0.19	19	-0.08	53	-0.08	53	-0.02
Meat transfer factor for Ac	51	0.08	45	0.05	40	0.12	41	0.03
Milk transfer factor for Ac	14	-0.23	15	-0.10	21	-0.24	21	-0.07
Fish transfer factor for Ac	31	-0.16	34	-0.06	52	0.08	52	0.02
Plant transfer factor for Pb	62	-0.04	60	-0.02	37	-0.15	35	-0.04
Meat transfer factor for Pb	34	-0.14	37	-0.06	27	-0.20	27	-0.06
Milk transfer factor for Pb	26	0.17	27	0.07	55	0.07	55	0.02
Fish transfer factor for Pb	66	0.03	68	0.01	66	0.03	66	0.01
Plant transfer factor for Np	61	-0.05	62	-0.02	25	-0.21	25	-0.06
Meat transfer factor for Np	17	-0.20	17	-0.09	22	-0.23	22	-0.06
Milk transfer factor for Np	41	0.11	36	0.06	51	-0.09	51	-0.03
Fish transfer factor for Np	39	-0.12	42	-0.05	14	0.30	14	0.09
Plant transfer factor for Pu	11	-0.31	10	-0.14	64	0.04	64	0.01
Meat transfer factor for Pu	64	0.04	63	0.02	11	0.32	11	0.09
Milk transfer factor for Pu	37	0.13	43	0.05	56	-0.07	56	-0.02
Fish transfer factor for Pu	20	0.19	25	0.08	42	-0.12	42	-0.03
Plant transfer factor for Pa	29	-0.16	35	-0.06	69	0.02	69	0.01
Meat transfer factor for Pa	13	-0.24	12	-0.13	63	0.04	63	0.01
Milk transfer factor for Pa	63	0.04	64	0.02	36	0.15	37	0.04
Fish transfer factor for Pa	70	0.02	70	0.01	7	-0.38	7	-0.11
Plant transfer factor for Ra	48	0.09	48	0.04	54	0.07	54	0.02
Meat transfer factor for Ra	52	-0.08	53	-0.03	39	-0.13	38	-0.04
Milk transfer factor for Ra	69	0.02	69	0.01	31	-0.18	31	-0.05
Fish transfer factor for Ra	12	-0.27	13	-0.11	46	-0.11	46	-0.03
Plant transfer factor for Tc	2	0.70	4	0.44	3	0.75	3	0.32
Meat transfer factor for Tc	36	0.14	31	0.07	48	0.10	49	0.03
Milk transfer factor for Tc	54	-0.07	52	-0.04	70	-0.02	70	-0.01
Fish transfer factor for Tc	43	0.10	50	0.04	10	0.34	10	0.10
Plant transfer factor for Th	44	-0.10	49	-0.04	71	-0.02	71	0.00
Meat transfer factor for Th	27	-0.17	26	-0.07	45	-0.11	45	-0.03
Milk transfer factor for Th	30	0.16	30	0.07	50	0.10	50	0.03
Fish transfer factor for Th	22	0.19	21	0.08	30	-0.18	30	-0.05
Plant transfer factor for U	3	0.69	5	0.37	5	0.75	5	0.31
Meat transfer factor for U	4	0.64	8	0.31	6	0.68	6	0.25
Milk transfer factor for U	6	0.62	7	0.32	4	0.75	4	0.31
Fish transfer factor for U	10	-0.32	11	-0.13	8	-0.36	8	-0.11
Well pumping rate	18	0.20	23	0.08	9	0.35	9	0.10
Inhalation rate	7	0.41	9	0.22	41	0.12	40	0.03
Indoor dust filtration factor	33	0.15	38	0.06	68	0.03	68	0.01
Depth of soil mixing layer	5	-0.64	6	-0.34	1	-0.89	1	-0.53
Depth of roots	1	-0.71	3	-0.45	2	-0.86	2	-0.47
Wet weight crop yield of fruit, grain and non-leafy vegetables	35	-0.14	33	-0.06	62	0.04	62	0.01
Weathering removal constant of all vegetation	28	-0.16	32	-0.06	17	-0.26	17	-0.08
Wet foliar interception fraction of leafy vegetables	15	0.23	20	0.08	29	0.18	29	0.05
R-SQUARE		0.92		0.92		0.93		0.93

-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	57	0.08	59	0.02	40	0.13	40	0.04
Kd of Ac-227 in Unsaturated Zone 1	13	0.38	14	0.16	18	0.24	18	0.07
Kd of Ac-227 in Saturated Zone	33	0.18	31	0.06	71	0.01	71	0.00
Kd of Np-237 in Contaminated Zone	70	-0.02	71	-0.01	73	0.00	73	0.00
Kd of Np-237 in Unsaturated Zone 1	50	0.10	55	0.03	37	-0.14	36	-0.04
Kd of Np-237 in Saturated Zone	44	0.13	47	0.04	65	-0.04	65	-0.01
Kd of Pa-231 in Contaminated Zone	59	0.07	63	0.02	51	0.09	51	0.02
Kd of Pa-231 in Unsaturated Zone 1	67	-0.03	68	-0.01	70	-0.01	70	0.00
Kd of Pa-231 in Saturated Zone	29	-0.21	26	-0.08	21	0.21	20	0.06
Kd of Pb-210 in Contaminated Zone	21	-0.32	6	-0.27	66	0.02	66	0.01
Kd of Pb-210 in Unsaturated Zone 1	18	0.34	8	0.20	24	0.19	24	0.05
Kd of Pb-210 in Saturated Zone	16	0.38	4	0.32	10	0.37	10	0.11
Kd of Pu-239 in Contaminated Zone	51	-0.10	41	-0.05	16	0.24	16	0.07
Kd of Pu-239 in Unsaturated Zone 1	62	0.06	62	0.02	14	-0.28	14	-0.08
Kd of Pu-239 in Saturated Zone	60	0.07	40	0.05	46	0.10	46	0.03
Kd of Ra-226 in Contaminated Zone	71	-0.02	69	-0.01	36	0.14	37	0.04
Kd of Ra-226 in Unsaturated Zone 1	38	0.16	33	0.06	33	0.16	33	0.04
Kd of Ra-226 in Saturated Zone	28	0.21	30	0.06	62	0.04	63	0.01
Kd of Tc-99 in Saturated Zone	25	0.25	27	0.07	17	0.24	17	0.07
Kd of Th-229 in Contaminated Zone	65	0.04	52	0.03	52	0.08	52	0.02
Kd of Th-229 in Unsaturated Zone 1	22	-0.29	22	-0.11	12	0.31	12	0.09
Kd of Th-229 in Saturated Zone	6	0.49	13	0.17	47	0.10	47	0.03
Kd of Th-230 in Contaminated Zone	55	0.08	48	0.04	41	0.13	41	0.04
Kd of Th-230 in Unsaturated Zone 1	10	0.47	11	0.17	55	-0.07	55	-0.02
Kd of Th-230 in Saturated Zone	11	-0.46	10	-0.19	22	-0.21	22	-0.06
Kd of U-233 in Saturated Zone	30	-0.20	32	-0.06	63	-0.04	64	-0.01
Kd of U-234 in Saturated Zone	72	0.01	72	0.00	64	0.04	62	0.01
Kd of U-235 in Saturated Zone	37	0.17	38	0.05	39	-0.13	39	-0.04
Kd of U-238 in Saturated Zone	32	0.19	37	0.05	20	-0.21	21	-0.06
Plant transfer factor for Ac	36	-0.17	29	-0.07	56	0.07	56	0.02
Meat transfer factor for Ac	7	0.47	9	0.19	31	0.17	30	0.05
Milk transfer factor for Ac	61	0.06	61	0.02	44	-0.11	44	-0.03
Fish transfer factor for Ac	20	-0.33	19	-0.12	60	0.05	60	0.01
Plant transfer factor for Pb	69	0.03	70	0.01	27	-0.18	27	-0.05
Meat transfer factor for Pb	41	-0.14	45	-0.04	58	-0.06	57	-0.02
Milk transfer factor for Pb	45	0.13	49	0.04	26	0.18	26	0.05
Fish transfer factor for Pb	27	-0.21	24	-0.08	25	-0.19	25	-0.05
Plant transfer factor for Np	64	0.04	65	0.01	13	0.29	13	0.09
Meat transfer factor for Np	40	-0.15	42	-0.05	9	-0.38	9	-0.12
Milk transfer factor for Np	43	0.13	44	0.04	54	0.07	54	0.02
Fish transfer factor for Np	53	0.09	54	0.03	49	0.09	49	0.03
Plant transfer factor for Pu	15	0.38	20	0.12	57	0.06	58	0.02
Meat transfer factor for Pu	66	0.04	66	0.01	28	-0.18	29	-0.05
Milk transfer factor for Pu	52	0.09	57	0.02	59	-0.06	59	-0.02
Fish transfer factor for Pu	34	0.17	34	0.06	38	0.13	38	0.04
Plant transfer factor for Pa	8	0.47	7	0.20	67	-0.02	67	-0.01
Meat transfer factor for Pa	46	0.11	51	0.03	11	0.34	11	0.10
Milk transfer factor for Pa	14	-0.38	16	-0.16	8	-0.40	8	-0.12
Fish transfer factor for Pa	26	0.24	28	0.07	29	0.18	28	0.05
Plant transfer factor for Ra	17	0.35	18	0.12	45	0.10	45	0.03
Meat transfer factor for Ra	68	0.03	67	0.01	72	0.00	72	0.00
Milk transfer factor for Ra	63	-0.05	64	-0.02	50	0.09	50	0.02
Fish transfer factor for Ra	47	-0.11	46	-0.04	6	0.44	6	0.14
Plant transfer factor for Tc	2	0.82	1	0.66	3	0.81	3	0.38
Meat transfer factor for Tc	73	-0.01	73	0.00	43	0.12	43	0.03
Milk transfer factor for Tc	54	0.09	56	0.02	34	0.15	35	0.04
Fish transfer factor for Tc	39	-0.16	36	-0.05	69	-0.01	69	0.00
Plant transfer factor for Th	35	0.17	39	0.05	23	0.20	23	0.06
Meat transfer factor for Th	23	-0.27	21	-0.12	68	-0.02	68	0.00
Milk transfer factor for Th	19	0.33	23	0.11	35	0.15	34	0.04
Fish transfer factor for Th	48	0.11	50	0.04	42	0.12	42	0.03
Plant transfer factor for U	5	0.51	12	0.17	5	0.50	5	0.16
Meat transfer factor for U	9	0.47	17	0.15	7	0.44	7	0.14
Milk transfer factor for U	4	0.71	5	0.27	4	0.73	4	0.30
Fish transfer factor for U	58	-0.07	60	-0.02	53	0.08	53	0.02
Well pumping rate	31	-0.20	35	-0.06	61	0.04	61	0.01
Inhalation rate	12	-0.46	15	-0.16	48	-0.09	48	-0.03
Indoor dust filtration factor	56	0.08	58	0.02	32	0.16	32	0.05
Depth of soil mixing layer	3	-0.78	3	-0.36	2	-0.85	2	-0.45
Depth of roots	1	-0.85	2	-0.51	1	-0.87	1	-0.50
Wet weight crop yield of fruit, grain and non-leafy vegetables	42	0.14	43	0.04	19	0.23	19	0.07
Weathering removal constant of all vegetation	24	-0.25	25	-0.08	15	-0.27	15	-0.08
Wet foliar interception fraction of leafy vegetables	49	0.10	53	0.03	30	-0.17	31	-0.05

R-SQUARE 0.96 0.96 0.93 0.93

-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	36	0.14	28	0.09	57	-0.04	57	-0.01
Kd of Ac-227 in Unsaturated Zone 1	70	-0.03	70	-0.01	55	0.04	55	0.01
Kd of Ac-227 in Saturated Zone	8	0.35	12	0.19	66	0.02	66	0.01
Kd of Np-237 in Contaminated Zone	43	0.11	34	0.08	14	-0.28	14	-0.09
Kd of Np-237 in Unsaturated Zone 1	42	0.11	36	0.07	69	0.02	69	0.01
Kd of Np-237 in Saturated Zone	21	-0.19	22	-0.11	40	-0.11	40	-0.03
Kd of Pa-231 in Contaminated Zone	24	-0.19	7	-0.34	60	-0.03	60	-0.01
Kd of Pa-231 in Unsaturated Zone 1	51	-0.09	39	-0.07	15	0.26	15	0.08
Kd of Pa-231 in Saturated Zone	18	0.21	10	0.28	73	0.00	73	0.00
Kd of Pb-210 in Contaminated Zone	37	-0.13	37	-0.07	45	0.07	45	0.02
Kd of Pb-210 in Unsaturated Zone 1	58	-0.07	61	-0.03	13	-0.28	13	-0.09
Kd of Pb-210 in Saturated Zone	16	0.25	20	0.12	39	-0.11	39	-0.03
Kd of Pu-239 in Contaminated Zone	39	0.12	47	0.04	62	-0.02	62	-0.01
Kd of Pu-239 in Unsaturated Zone 1	34	0.14	41	0.06	61	-0.03	61	-0.01
Kd of Pu-239 in Saturated Zone	60	0.07	63	0.03	48	0.06	48	0.02
Kd of Ra-226 in Contaminated Zone	59	0.07	65	0.03	72	-0.01	72	0.00
Kd of Ra-226 in Unsaturated Zone 1	20	0.19	5	0.39	17	0.23	17	0.07
Kd of Ra-226 in Saturated Zone	71	-0.02	73	-0.01	63	0.02	63	0.01
Kd of Tc-99 in Saturated Zone	57	-0.08	59	-0.03	29	0.16	30	0.05
Kd of Th-229 in Contaminated Zone	19	0.20	21	0.12	71	-0.01	71	0.00
Kd of Th-229 in Unsaturated Zone 1	73	-0.02	72	-0.01	10	-0.32	10	-0.10
Kd of Th-229 in Saturated Zone	67	-0.05	52	-0.04	8	-0.34	8	-0.11
Kd of Th-230 in Contaminated Zone	64	0.06	26	0.09	37	0.13	37	0.04
Kd of Th-230 in Unsaturated Zone 1	22	-0.19	6	-0.38	64	0.02	64	0.01
Kd of Th-230 in Saturated Zone	11	-0.28	13	-0.19	20	-0.20	21	-0.06
Kd of U-233 in Saturated Zone	29	-0.17	40	-0.07	32	-0.14	32	-0.04
Kd of U-234 in Saturated Zone	50	0.09	43	0.05	21	-0.19	22	-0.06
Kd of U-235 in Saturated Zone	45	0.10	50	0.04	42	0.08	42	0.02
Kd of U-238 in Saturated Zone	41	-0.11	33	-0.08	28	-0.16	29	-0.05
Plant transfer factor for Ac	35	0.14	42	0.06	49	0.05	49	0.02
Meat transfer factor for Ac	28	0.17	35	0.07	22	-0.19	20	-0.06
Milk transfer factor for Ac	40	-0.12	46	-0.04	59	-0.03	59	-0.01
Fish transfer factor for Ac	56	0.08	58	0.03	68	-0.02	68	-0.01
Plant transfer factor for Pb	14	0.25	18	0.13	56	-0.04	56	-0.01
Meat transfer factor for Pb	48	-0.09	53	-0.04	9	-0.32	9	-0.10
Milk transfer factor for Pb	68	0.03	68	0.02	58	-0.03	58	-0.01
Fish transfer factor for Pb	65	0.05	66	0.02	34	0.13	35	0.04
Plant transfer factor for Np	30	0.17	17	0.14	31	-0.15	31	-0.05
Meat transfer factor for Np	33	0.15	38	0.07	18	0.21	18	0.06
Milk transfer factor for Np	44	0.10	48	0.04	12	-0.30	12	-0.09
Fish transfer factor for Np	12	0.27	15	0.16	24	-0.19	24	-0.06
Plant transfer factor for Pu	62	0.06	54	0.04	38	-0.12	38	-0.04
Meat transfer factor for Pu	23	0.19	27	0.09	46	-0.07	46	-0.02
Milk transfer factor for Pu	38	0.12	44	0.05	26	0.17	26	0.05
Fish transfer factor for Pu	31	0.16	30	0.09	33	-0.13	33	-0.04
Plant transfer factor for Pa	15	-0.25	14	-0.17	50	0.05	50	0.02
Meat transfer factor for Pa	49	-0.09	56	-0.04	11	-0.31	11	-0.10
Milk transfer factor for Pa	72	-0.02	69	-0.01	23	-0.19	23	-0.06
Fish transfer factor for Pa	69	0.03	71	0.01	35	-0.13	34	-0.04
Plant transfer factor for Ra	27	-0.17	29	-0.09	54	-0.04	54	-0.01
Meat transfer factor for Ra	26	0.18	31	0.08	44	0.08	44	0.02
Milk transfer factor for Ra	63	-0.06	62	-0.03	36	0.13	36	0.04
Fish transfer factor for Ra	32	0.15	32	0.08	27	-0.16	27	-0.05
Plant transfer factor for Tc	4	0.62	3	0.43	2	0.81	2	0.41
Meat transfer factor for Tc	9	0.34	16	0.14	51	0.05	51	0.01
Milk transfer factor for Tc	52	-0.09	45	-0.05	30	0.16	28	0.05
Fish transfer factor for Tc	53	0.09	55	0.04	70	0.02	70	0.00
Plant transfer factor for Th	25	-0.18	25	-0.09	43	0.08	43	0.02
Meat transfer factor for Th	13	0.26	24	0.10	53	-0.05	53	-0.01
Milk transfer factor for Th	66	0.05	67	0.02	7	-0.47	7	-0.16
Fish transfer factor for Th	17	0.25	23	0.11	52	0.05	52	0.01
Plant transfer factor for U	5	0.60	9	0.31	5	0.72	5	0.31
Meat transfer factor for U	6	0.59	8	0.32	6	0.65	6	0.26
Milk transfer factor for U	3	0.65	2	0.46	4	0.76	4	0.34
Fish transfer factor for U	7	0.51	11	0.24	65	0.02	65	0.01
Well pumping rate	10	0.28	19	0.13	47	-0.07	47	-0.02
Inhalation rate	47	-0.09	51	-0.04	41	0.08	41	0.03
Indoor dust filtration factor	55	0.08	60	0.03	16	0.26	16	0.08
Depth of soil mixing layer	2	-0.72	4	-0.40	3	-0.79	3	-0.39
Depth of roots	1	-0.78	1	-0.51	1	-0.83	1	-0.46
Wet weight crop yield of fruit, grain and non-leafy vegetables	54	0.08	57	0.03	25	-0.18	25	-0.05
Weathering removal constant of all vegetation	46	-0.10	49	-0.04	67	-0.02	67	-0.01
Wet foliar interception fraction of leafy vegetables	61	0.06	64	0.03	19	-0.21	19	-0.06

R-SQUARE

0.92 0.92 0.91 0.91

-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	62	-0.04	59	-0.03	39	-0.09	39	-0.02
Kd of Ac-227 in Unsaturated Zone 1	55	-0.06	43	-0.08	38	-0.09	38	-0.02
Kd of Ac-227 in Saturated Zone	66	-0.02	66	-0.02	44	-0.06	44	-0.02
Kd of Np-237 in Contaminated Zone	4	0.38	5	0.39	1	0.96	1	0.87
Kd of Np-237 in Unsaturated Zone 1	8	-0.31	12	-0.23	20	-0.18	20	-0.05
Kd of Np-237 in Saturated Zone	53	-0.07	55	-0.05	10	0.29	10	0.08
Kd of Pa-231 in Contaminated Zone	28	0.20	17	0.19	37	-0.10	36	-0.03
Kd of Pa-231 in Unsaturated Zone 1	1	-0.49	4	-0.39	55	0.04	55	0.01
Kd of Pa-231 in Saturated Zone	38	0.13	38	0.09	64	-0.02	64	0.00
Kd of Pb-210 in Contaminated Zone	5	-0.33	1	-1.07	28	-0.14	28	-0.04
Kd of Pb-210 in Unsaturated Zone 1	23	-0.22	27	-0.15	33	-0.11	33	-0.03
Kd of Pb-210 in Saturated Zone	7	-0.32	8	-0.25	63	-0.02	63	0.00
Kd of Pu-239 in Contaminated Zone	64	-0.03	64	-0.02	41	0.08	41	0.02
Kd of Pu-239 in Unsaturated Zone 1	57	0.05	54	0.05	25	0.16	25	0.04
Kd of Pu-239 in Saturated Zone	59	0.05	60	0.03	65	0.01	65	0.00
Kd of Ra-226 in Contaminated Zone	31	0.16	32	0.13	9	0.31	9	0.08
Kd of Ra-226 in Unsaturated Zone 1	37	0.13	37	0.10	21	-0.18	22	-0.05
Kd of Ra-226 in Saturated Zone	34	0.14	30	0.13	22	-0.17	21	-0.05
Kd of Tc-99 in Saturated Zone	14	0.27	2	0.92	17	-0.20	17	-0.05
Kd of Th-229 in Contaminated Zone	27	-0.20	15	-0.22	61	0.02	61	0.01
Kd of Th-229 in Unsaturated Zone 1	20	0.24	19	0.18	31	0.12	31	0.03
Kd of Th-229 in Saturated Zone	30	-0.17	28	-0.14	60	-0.03	60	-0.01
Kd of Th-230 in Contaminated Zone	29	0.17	36	0.11	48	0.05	48	0.01
Kd of Th-230 in Unsaturated Zone 1	35	0.14	33	0.12	6	-0.33	6	-0.09
Kd of Th-230 in Saturated Zone	15	-0.27	7	-0.27	58	0.03	59	0.01
Kd of U-233 in Saturated Zone	69	0.01	69	0.01	36	0.10	37	0.03
Kd of U-234 in Saturated Zone	56	0.05	57	0.03	11	-0.27	11	-0.07
Kd of U-235 in Saturated Zone	67	0.02	67	0.01	56	-0.04	56	-0.01
Kd of U-238 in Saturated Zone	13	-0.28	9	-0.25	26	0.16	26	0.04
Plant transfer factor for Ac	65	-0.03	65	-0.02	54	0.04	54	0.01
Meat transfer factor for Ac	52	0.08	46	0.08	12	-0.23	13	-0.06
Milk transfer factor for Ac	47	0.10	47	0.07	27	-0.15	27	-0.04
Fish transfer factor for Ac	60	-0.04	62	-0.03	70	-0.01	70	0.00
Plant transfer factor for Pb	40	-0.12	39	-0.09	14	-0.21	14	-0.06
Meat transfer factor for Pb	11	-0.30	16	-0.21	43	-0.06	43	-0.02
Milk transfer factor for Pb	21	-0.24	23	-0.17	46	-0.05	46	-0.01
Fish transfer factor for Pb	12	-0.30	18	-0.19	19	-0.20	19	-0.05
Plant transfer factor for Np	9	-0.31	14	-0.22	18	-0.20	18	-0.05
Meat transfer factor for Np	10	0.31	13	0.23	13	0.23	12	0.06
Milk transfer factor for Np	17	-0.27	10	-0.25	59	-0.03	58	-0.01
Fish transfer factor for Np	50	0.08	52	0.06	3	0.45	3	0.13
Plant transfer factor for Pu	22	0.24	22	0.17	4	0.43	4	0.12
Meat transfer factor for Pu	44	-0.11	45	-0.08	32	-0.12	32	-0.03
Milk transfer factor for Pu	51	0.08	53	0.05	66	-0.01	66	0.00
Fish transfer factor for Pu	2	-0.46	6	-0.35	51	0.05	51	0.01
Plant transfer factor for Pa	73	0.00	73	0.00	40	0.08	40	0.02
Meat transfer factor for Pa	3	-0.43	3	-0.42	35	-0.10	35	-0.03
Milk transfer factor for Pa	25	-0.21	25	-0.15	16	-0.21	16	-0.06
Fish transfer factor for Pa	45	-0.11	49	-0.07	68	0.01	68	0.00
Plant transfer factor for Ra	36	-0.14	35	-0.11	52	-0.05	53	-0.01
Meat transfer factor for Ra	39	0.12	42	0.08	7	0.32	8	0.09
Milk transfer factor for Ra	58	0.05	58	0.03	62	-0.02	62	0.00
Fish transfer factor for Ra	26	0.20	29	0.14	34	-0.11	34	-0.03
Plant transfer factor for Tc	49	0.08	51	0.06	73	0.00	73	0.00
Meat transfer factor for Tc	71	0.00	71	0.00	49	-0.05	49	-0.01
Milk transfer factor for Tc	33	-0.16	31	-0.13	47	0.05	47	0.01
Fish transfer factor for Tc	24	-0.22	26	-0.15	29	0.13	29	0.04
Plant transfer factor for Th	6	-0.33	11	-0.24	71	-0.01	71	0.00
Meat transfer factor for Th	48	-0.09	50	-0.07	2	0.46	2	0.14
Milk transfer factor for Th	68	-0.01	68	-0.01	8	-0.32	7	-0.09
Fish transfer factor for Th	32	-0.16	34	-0.12	30	0.13	30	0.03
Plant transfer factor for U	72	0.00	72	0.00	23	0.17	23	0.04
Meat transfer factor for U	18	-0.25	24	-0.16	15	-0.21	15	-0.06
Milk transfer factor for U	46	-0.10	48	-0.07	24	0.16	24	0.04
Fish transfer factor for U	61	0.04	61	0.03	5	0.40	5	0.11
Well pumping rate	19	-0.25	21	-0.17	53	0.05	52	0.01
Inhalation rate	70	0.01	70	0.01	72	0.00	72	0.00
Indoor dust filtration factor	16	0.27	20	0.18	45	0.06	45	0.02
Depth of soil mixing layer	41	0.12	44	0.08	69	0.01	69	0.00
Depth of roots	43	0.12	40	0.09	67	0.01	67	0.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	42	-0.12	41	-0.09	57	-0.04	57	-0.01
Weathering removal constant of all vegetation	54	-0.06	56	-0.04	42	0.07	42	0.02
Wet foliar interception fraction of leafy vegetables	63	-0.04	63	-0.03	50	-0.05	50	-0.01

R-SQUARE 0.76 0.76 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 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	0.24	20	0.20	8	0.39	8	0.09
Kd of Ac-227 in Unsaturated Zone 1	48	0.08	47	0.09	53	-0.08	54	-0.02
Kd of Ac-227 in Saturated Zone	32	0.16	29	0.15	32	0.19	32	0.04
Kd of Np-237 in Contaminated Zone	2	0.47	2	0.45	1	0.97	1	0.87
Kd of Np-237 in Unsaturated Zone 1	4	-0.34	9	-0.26	44	-0.12	44	-0.03
Kd of Np-237 in Saturated Zone	60	0.04	62	0.04	66	0.04	66	0.01
Kd of Pa-231 in Contaminated Zone	3	-0.43	5	-0.37	10	-0.36	10	-0.08
Kd of Pa-231 in Unsaturated Zone 1	16	-0.23	24	-0.18	70	0.03	70	0.01
Kd of Pa-231 in Saturated Zone	57	0.05	56	0.06	5	0.44	6	0.10
Kd of Pb-210 in Contaminated Zone	62	-0.04	48	-0.09	3	-0.51	3	-0.13
Kd of Pb-210 in Unsaturated Zone 1	11	-0.25	3	-0.40	15	0.33	15	0.08
Kd of Pb-210 in Saturated Zone	46	0.09	19	0.20	18	0.30	18	0.07
Kd of Pu-239 in Contaminated Zone	54	-0.06	49	-0.08	29	-0.20	30	-0.04
Kd of Pu-239 in Unsaturated Zone 1	18	0.23	17	0.22	47	0.11	47	0.02
Kd of Pu-239 in Saturated Zone	28	0.17	4	0.37	14	0.34	14	0.08
Kd of Ra-226 in Contaminated Zone	58	-0.05	55	-0.06	55	0.08	55	0.02
Kd of Ra-226 in Unsaturated Zone 1	68	0.01	68	0.01	54	-0.08	53	-0.02
Kd of Ra-226 in Saturated Zone	29	0.17	35	0.14	27	0.21	27	0.05
Kd of Tc-99 in Saturated Zone	55	-0.05	58	-0.04	46	0.11	46	0.02
Kd of Th-229 in Contaminated Zone	52	-0.07	28	-0.15	7	0.43	7	0.10
Kd of Th-229 in Unsaturated Zone 1	19	0.22	13	0.23	13	-0.34	13	-0.08
Kd of Th-229 in Saturated Zone	61	-0.04	63	-0.04	24	0.23	24	0.05
Kd of Th-230 in Contaminated Zone	38	0.12	26	0.17	22	0.27	22	0.06
Kd of Th-230 in Unsaturated Zone 1	21	0.21	21	0.20	26	-0.21	26	-0.05
Kd of Th-230 in Saturated Zone	72	0.00	72	0.00	20	0.28	20	0.06
Kd of U-233 in Saturated Zone	1	-0.56	1	-0.54	28	0.20	28	0.04
Kd of U-234 in Saturated Zone	56	0.05	59	0.04	51	-0.08	51	-0.02
Kd of U-235 in Saturated Zone	42	-0.11	45	-0.09	57	0.07	57	0.01
Kd of U-238 in Saturated Zone	44	-0.10	51	-0.08	25	-0.23	25	-0.05
Plant transfer factor for Ac	20	0.22	11	0.25	33	-0.18	33	-0.04
Meat transfer factor for Ac	23	0.21	18	0.21	2	0.54	2	0.14
Milk transfer factor for Ac	47	0.08	50	0.08	36	0.15	36	0.03
Fish transfer factor for Ac	13	0.25	12	0.25	52	0.08	52	0.02
Plant transfer factor for Pb	73	0.00	73	0.00	65	-0.04	65	-0.01
Meat transfer factor for Pb	22	0.21	25	0.17	60	0.05	61	0.01
Milk transfer factor for Pb	64	0.04	66	0.03	58	0.07	58	0.01
Fish transfer factor for Pb	70	0.00	70	-0.01	62	-0.05	62	-0.01
Plant transfer factor for Np	33	0.16	37	0.13	64	-0.04	64	-0.01
Meat transfer factor for Np	59	-0.05	60	-0.04	16	0.32	16	0.07
Milk transfer factor for Np	40	0.12	43	0.11	17	0.31	17	0.07
Fish transfer factor for Np	25	-0.19	27	-0.16	41	0.13	42	0.03
Plant transfer factor for Pu	27	0.18	31	0.14	9	0.36	11	0.08
Meat transfer factor for Pu	65	0.03	65	0.03	49	0.09	49	0.02
Milk transfer factor for Pu	26	0.18	36	0.13	34	-0.18	34	-0.04
Fish transfer factor for Pu	45	-0.10	44	-0.10	67	-0.04	68	-0.01
Plant transfer factor for Pa	51	0.08	52	0.08	71	0.02	71	0.01
Meat transfer factor for Pa	71	0.00	71	0.00	11	-0.36	9	-0.09
Milk transfer factor for Pa	6	-0.32	6	-0.36	69	-0.03	69	-0.01
Fish transfer factor for Pa	35	-0.13	42	-0.11	72	-0.02	72	0.00
Plant transfer factor for Ra	36	-0.13	40	-0.12	56	0.07	56	0.02
Meat transfer factor for Ra	30	-0.17	34	-0.14	6	-0.43	5	-0.10
Milk transfer factor for Ra	50	-0.08	53	-0.07	37	0.15	37	0.03
Fish transfer factor for Ra	10	-0.26	10	-0.26	73	-0.01	73	0.00
Plant transfer factor for Tc	66	0.03	61	0.04	43	-0.12	43	-0.03
Meat transfer factor for Tc	43	-0.11	41	-0.12	40	0.13	40	0.03
Milk transfer factor for Tc	14	0.24	23	0.19	50	-0.09	50	-0.02
Fish transfer factor for Tc	37	0.13	39	0.12	23	0.25	23	0.06
Plant transfer factor for Th	41	0.11	46	0.09	39	-0.13	39	-0.03
Meat transfer factor for Th	39	0.12	33	0.14	42	-0.13	41	-0.03
Milk transfer factor for Th	12	0.25	16	0.22	61	-0.05	60	-0.01
Fish transfer factor for Th	69	-0.01	69	-0.01	48	-0.10	48	-0.02
Plant transfer factor for U	67	-0.03	67	-0.02	63	0.05	63	0.01
Meat transfer factor for U	8	0.27	15	0.22	31	0.19	31	0.04
Milk transfer factor for U	49	-0.08	54	-0.06	59	-0.05	59	-0.01
Fish transfer factor for U	63	0.04	64	0.03	38	-0.14	38	-0.03
Well pumping rate	53	-0.07	57	-0.05	19	0.28	19	0.06
Inhalation rate	7	0.29	8	0.26	35	-0.15	35	-0.03
Indoor dust filtration factor	17	-0.23	22	-0.19	68	-0.04	67	-0.01
Depth of soil mixing layer	9	0.26	14	0.22	30	-0.20	29	-0.04
Depth of roots	31	0.16	32	0.14	45	0.12	45	0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	5	-0.33	7	-0.29	21	-0.28	21	-0.06
Weathering removal constant of all vegetation	34	-0.14	38	-0.13	4	-0.46	4	-0.11
Wet foliar interception fraction of leafy vegetables	24	-0.19	30	-0.15	12	-0.36	12	-0.08
R-SQUARE		0.68		0.68		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 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	47	-0.14	36	-0.14	69	-0.01	69	0.00
Kd of Ac-227 in Unsaturated Zone 1	39	0.16	44	0.11	54	0.04	54	0.01
Kd of Ac-227 in Saturated Zone	70	0.02	71	0.01	57	-0.03	58	-0.01
Kd of Np-237 in Contaminated Zone	1	0.61	3	0.78	1	0.93	1	0.88
Kd of Np-237 in Unsaturated Zone 1	9	0.44	6	0.47	45	-0.06	46	-0.02
Kd of Np-237 in Saturated Zone	15	-0.36	13	-0.31	59	0.03	60	0.01
Kd of Pa-231 in Contaminated Zone	48	-0.14	8	-0.37	56	-0.03	56	-0.01
Kd of Pa-231 in Unsaturated Zone 1	52	-0.12	38	-0.13	63	-0.02	63	-0.01
Kd of Pa-231 in Saturated Zone	72	0.01	70	0.02	2	0.35	2	0.12
Kd of Pb-210 in Contaminated Zone	26	-0.28	22	-0.23	49	-0.05	49	-0.02
Kd of Pb-210 in Unsaturated Zone 1	42	0.16	47	0.10	15	0.19	15	0.06
Kd of Pb-210 in Saturated Zone	7	0.46	10	0.35	61	0.03	61	0.01
Kd of Pu-239 in Contaminated Zone	33	0.22	43	0.12	30	-0.12	30	-0.04
Kd of Pu-239 in Unsaturated Zone 1	50	-0.13	55	-0.08	44	0.06	44	0.02
Kd of Pu-239 in Saturated Zone	51	0.12	56	0.08	18	0.17	18	0.06
Kd of Ra-226 in Contaminated Zone	18	0.32	27	0.20	50	0.05	50	0.02
Kd of Ra-226 in Unsaturated Zone 1	11	0.41	2	1.31	23	0.13	23	0.04
Kd of Ra-226 in Saturated Zone	57	-0.10	59	-0.06	32	0.10	32	0.03
Kd of Tc-99 in Saturated Zone	27	0.27	34	0.18	60	-0.03	59	-0.01
Kd of Th-229 in Contaminated Zone	5	0.52	5	0.52	26	0.13	25	0.04
Kd of Th-229 in Unsaturated Zone 1	19	0.31	14	0.31	27	0.13	27	0.04
Kd of Th-229 in Saturated Zone	67	-0.04	63	-0.05	4	-0.25	4	-0.09
Kd of Th-230 in Contaminated Zone	54	0.11	20	0.26	67	-0.02	67	-0.01
Kd of Th-230 in Unsaturated Zone 1	4	-0.52	1	-1.75	55	-0.04	55	-0.01
Kd of Th-230 in Saturated Zone	43	-0.15	35	-0.15	47	-0.05	47	-0.02
Kd of U-233 in Saturated Zone	41	-0.16	51	-0.09	33	-0.09	33	-0.03
Kd of U-234 in Saturated Zone	55	0.11	49	0.10	70	0.01	70	0.00
Kd of U-235 in Saturated Zone	6	-0.47	12	-0.31	38	0.08	38	0.03
Kd of U-238 in Saturated Zone	28	0.26	18	0.27	43	0.07	43	0.02
Plant transfer factor for Ac	61	-0.09	60	-0.06	39	0.08	39	0.03
Meat transfer factor for Ac	20	0.31	25	0.21	17	0.17	17	0.06
Milk transfer factor for Ac	71	-0.01	72	-0.01	11	-0.19	11	-0.07
Fish transfer factor for Ac	34	0.22	37	0.14	25	0.13	26	0.04
Plant transfer factor for Pb	12	0.40	11	0.32	58	0.03	57	0.01
Meat transfer factor for Pb	10	-0.42	15	-0.28	34	-0.09	34	-0.03
Milk transfer factor for Pb	46	0.15	46	0.11	5	0.25	5	0.09
Fish transfer factor for Pb	13	-0.40	16	-0.28	68	-0.01	68	0.00
Plant transfer factor for Np	62	0.08	52	0.09	66	0.02	66	0.01
Meat transfer factor for Np	37	0.18	41	0.12	64	0.02	64	0.01
Milk transfer factor for Np	60	0.09	61	0.06	48	-0.05	48	-0.02
Fish transfer factor for Np	69	-0.03	68	-0.02	12	-0.19	13	-0.07
Plant transfer factor for Pu	73	0.00	73	0.00	51	0.05	51	0.02
Meat transfer factor for Pu	58	-0.10	57	-0.07	73	0.00	73	0.00
Milk transfer factor for Pu	32	-0.23	39	-0.13	29	-0.12	29	-0.04
Fish transfer factor for Pu	23	0.29	21	0.23	62	0.02	62	0.01
Plant transfer factor for Pa	16	-0.36	9	-0.36	71	-0.01	71	0.00
Meat transfer factor for Pa	59	0.09	62	0.05	16	-0.18	16	-0.06
Milk transfer factor for Pa	38	0.18	33	0.18	52	0.05	52	0.02
Fish transfer factor for Pa	66	-0.05	67	-0.03	46	0.06	45	0.02
Plant transfer factor for Ra	56	-0.11	54	-0.08	40	-0.08	40	-0.03
Meat transfer factor for Ra	3	0.56	7	0.46	13	0.19	12	0.07
Milk transfer factor for Ra	22	-0.29	23	-0.22	65	0.02	65	0.01
Fish transfer factor for Ra	31	0.23	31	0.18	22	-0.15	22	-0.05
Plant transfer factor for Tc	29	-0.25	26	-0.20	36	-0.08	37	-0.03
Meat transfer factor for Tc	21	0.30	30	0.18	53	0.05	53	0.02
Milk transfer factor for Tc	2	-0.61	4	-0.58	28	-0.12	28	-0.04
Fish transfer factor for Tc	36	0.19	40	0.13	9	-0.21	9	-0.07
Plant transfer factor for Th	45	0.15	45	0.11	24	-0.13	24	-0.04
Meat transfer factor for Th	8	0.45	17	0.27	37	-0.08	36	-0.03
Milk transfer factor for Th	65	0.05	66	0.03	41	-0.08	41	-0.03
Fish transfer factor for Th	63	0.08	64	0.05	7	-0.22	7	-0.08
Plant transfer factor for U	68	-0.03	69	-0.02	20	0.15	20	0.05
Meat transfer factor for U	17	0.33	24	0.22	31	0.11	31	0.04
Milk transfer factor for U	30	0.24	28	0.19	21	0.15	21	0.05
Fish transfer factor for U	40	0.16	50	0.09	72	-0.01	72	0.00
Well pumping rate	25	0.28	29	0.19	42	-0.07	42	-0.03
Inhalation rate	44	-0.15	48	-0.10	19	0.16	19	0.06
Indoor dust filtration factor	53	0.11	58	0.07	10	0.20	10	0.07
Depth of soil mixing layer	64	0.07	65	0.04	35	0.08	35	0.03
Depth of roots	24	0.29	32	0.18	3	0.28	3	0.10
Wet weight crop yield of fruit, grain and non-leafy vegetables	35	0.20	42	0.12	6	0.23	6	0.08
Weathering removal constant of all vegetation	49	0.14	53	0.08	8	-0.22	8	-0.07
Wet foliar interception fraction of leafy vegetables	14	0.39	19	0.26	14	0.19	14	0.06

R-SQUARE 0.83 0.83 0.89 0.89

-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	9	-0.42	9	-0.11	50	-0.09	49	-0.01
Kd of Ac-227 in Unsaturated Zone 1	38	0.17	16	0.08	23	0.25	23	0.03
Kd of Ac-227 in Saturated Zone	64	0.04	65	0.01	4	-0.50	4	-0.07
Kd of Np-237 in Contaminated Zone	58	0.07	56	0.02	19	0.27	19	0.03
Kd of Np-237 in Unsaturated Zone 1	57	-0.07	59	-0.02	41	0.13	42	0.01
Kd of Np-237 in Saturated Zone	52	-0.10	54	-0.02	24	0.24	25	0.03
Kd of Pa-231 in Contaminated Zone	59	-0.07	55	-0.02	7	-0.42	7	-0.05
Kd of Pa-231 in Unsaturated Zone 1	13	0.35	13	0.09	43	-0.12	43	-0.01
Kd of Pa-231 in Saturated Zone	66	0.03	68	0.01	63	-0.04	63	0.00
Kd of Pb-210 in Contaminated Zone	67	-0.03	47	-0.03	67	-0.03	67	0.00
Kd of Pb-210 in Unsaturated Zone 1	65	-0.04	66	-0.01	42	0.13	41	0.01
Kd of Pb-210 in Saturated Zone	5	-0.49	5	-0.14	60	0.04	60	0.01
Kd of Pu-239 in Contaminated Zone	31	0.20	37	0.05	64	0.03	64	0.00
Kd of Pu-239 in Unsaturated Zone 1	43	-0.14	32	-0.05	12	-0.32	12	-0.04
Kd of Pu-239 in Saturated Zone	47	0.12	53	0.03	59	0.05	59	0.01
Kd of Ra-226 in Contaminated Zone	28	-0.20	30	-0.05	49	0.09	50	0.01
Kd of Ra-226 in Unsaturated Zone 1	51	0.10	51	0.03	45	-0.11	45	-0.01
Kd of Ra-226 in Saturated Zone	33	-0.19	25	-0.06	5	-0.46	5	-0.06
Kd of Tc-99 in Saturated Zone	73	0.00	72	0.00	57	0.05	57	0.01
Kd of Th-229 in Contaminated Zone	55	0.08	48	0.03	66	-0.03	66	0.00
Kd of Th-229 in Unsaturated Zone 1	72	-0.01	73	0.00	6	0.44	6	0.06
Kd of Th-229 in Saturated Zone	24	-0.22	24	-0.06	11	-0.33	10	-0.04
Kd of Th-230 in Contaminated Zone	35	-0.19	40	-0.04	47	-0.10	47	-0.01
Kd of Th-230 in Unsaturated Zone 1	46	0.13	43	0.04	53	0.07	54	0.01
Kd of Th-230 in Saturated Zone	25	0.21	20	0.07	30	-0.20	30	-0.02
Kd of U-233 in Saturated Zone	44	-0.13	39	-0.04	62	0.04	62	0.00
Kd of U-234 in Saturated Zone	26	0.21	34	0.05	14	-0.31	13	-0.04
Kd of U-235 in Saturated Zone	36	0.18	31	0.05	32	-0.20	31	-0.02
Kd of U-238 in Saturated Zone	68	-0.03	67	-0.01	31	-0.20	32	-0.02
Plant transfer factor for Ac	19	-0.28	19	-0.07	44	-0.12	44	-0.01
Meat transfer factor for Ac	63	-0.04	61	-0.01	26	0.24	26	0.03
Milk transfer factor for Ac	21	0.27	21	0.07	18	0.29	18	0.04
Fish transfer factor for Ac	56	-0.07	60	-0.02	34	-0.17	34	-0.02
Plant transfer factor for Pb	62	0.05	62	0.01	68	-0.02	68	0.00
Meat transfer factor for Pb	71	0.02	71	0.01	21	0.27	21	0.03
Milk transfer factor for Pb	60	0.05	63	0.01	37	-0.14	38	-0.02
Fish transfer factor for Pb	29	-0.20	38	-0.04	71	0.01	71	0.00
Plant transfer factor for Np	37	-0.17	41	-0.04	33	0.18	33	0.02
Meat transfer factor for Np	17	0.31	15	0.08	52	0.08	52	0.01
Milk transfer factor for Np	42	0.15	36	0.05	16	0.30	15	0.04
Fish transfer factor for Np	49	0.11	49	0.03	70	0.01	70	0.00
Plant transfer factor for Pu	23	0.24	26	0.06	17	0.30	17	0.04
Meat transfer factor for Pu	8	-0.44	8	-0.12	58	-0.05	58	-0.01
Milk transfer factor for Pu	70	-0.03	70	-0.01	9	0.33	9	0.04
Fish transfer factor for Pu	14	0.34	14	0.08	10	0.33	11	0.04
Plant transfer factor for Pa	18	0.29	22	0.06	29	-0.21	29	-0.02
Meat transfer factor for Pa	27	-0.20	23	-0.06	25	0.24	24	0.03
Milk transfer factor for Pa	54	0.08	58	0.02	15	0.31	16	0.04
Fish transfer factor for Pa	53	-0.10	57	-0.02	22	-0.26	22	-0.03
Plant transfer factor for Ra	69	-0.03	69	-0.01	13	0.32	14	0.04
Meat transfer factor for Ra	22	-0.24	27	-0.06	46	-0.11	46	-0.01
Milk transfer factor for Ra	41	0.16	42	0.04	72	0.00	72	0.00
Fish transfer factor for Ra	30	0.20	35	0.05	54	0.07	53	0.01
Plant transfer factor for Tc	11	0.39	10	0.11	73	0.00	73	0.00
Meat transfer factor for Tc	4	-0.49	4	-0.15	48	-0.10	48	-0.01
Milk transfer factor for Tc	32	-0.20	29	-0.06	51	-0.08	51	-0.01
Fish transfer factor for Tc	10	-0.40	11	-0.10	27	-0.23	27	-0.03
Plant transfer factor for Th	7	-0.46	7	-0.12	36	-0.15	36	-0.02
Meat transfer factor for Th	61	-0.05	64	-0.01	28	-0.21	28	-0.02
Milk transfer factor for Th	6	0.47	6	0.13	20	-0.27	20	-0.03
Fish transfer factor for Th	45	0.13	46	0.03	38	-0.13	37	-0.02
Plant transfer factor for U	16	-0.32	18	-0.07	35	-0.16	35	-0.02
Meat transfer factor for U	15	-0.34	17	-0.08	8	-0.41	8	-0.05
Milk transfer factor for U	48	0.11	50	0.03	65	-0.03	65	0.00
Fish transfer factor for U	12	-0.37	12	-0.09	40	0.13	40	0.01
Well pumping rate	39	0.16	44	0.04	55	-0.07	55	-0.01
Inhalation rate	3	0.83	3	0.40	3	0.96	3	0.38
Indoor dust filtration factor	1	0.94	2	0.59	2	0.98	2	0.58
Depth of soil mixing layer	2	-0.94	1	-0.63	1	-0.99	1	-0.70
Depth of roots	34	0.19	33	0.05	69	0.02	69	0.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	50	0.11	52	0.03	39	-0.13	39	-0.01
Weathering removal constant of all vegetation	40	0.16	45	0.04	56	-0.06	56	-0.01
Wet foliar interception fraction of leafy vegetables	20	0.27	28	0.06	61	-0.04	61	-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 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	0.21	31	0.05	53	0.08	52	0.01
Kd of Ac-227 in Unsaturated Zone 1	43	-0.11	41	-0.03	30	-0.18	30	-0.02
Kd of Ac-227 in Saturated Zone	67	0.02	67	0.01	55	0.07	55	0.01
Kd of Np-237 in Contaminated Zone	55	0.06	55	0.02	67	0.04	67	0.00
Kd of Np-237 in Unsaturated Zone 1	46	0.10	49	0.02	22	-0.26	21	-0.02
Kd of Np-237 in Saturated Zone	49	-0.08	51	-0.02	36	0.15	36	0.01
Kd of Pa-231 in Contaminated Zone	50	-0.08	53	-0.02	72	0.00	72	0.00
Kd of Pa-231 in Unsaturated Zone 1	61	0.04	62	0.01	16	0.28	16	0.03
Kd of Pa-231 in Saturated Zone	30	-0.19	25	-0.06	51	-0.08	51	-0.01
Kd of Pb-210 in Contaminated Zone	29	-0.19	6	-0.12	62	-0.06	62	0.00
Kd of Pb-210 in Unsaturated Zone 1	51	-0.08	38	-0.03	61	-0.06	60	0.00
Kd of Pb-210 in Saturated Zone	14	0.28	4	0.18	43	0.10	42	0.01
Kd of Pu-239 in Contaminated Zone	7	0.39	5	0.17	54	0.08	54	0.01
Kd of Pu-239 in Unsaturated Zone 1	60	0.05	60	0.01	21	0.26	22	0.02
Kd of Pu-239 in Saturated Zone	48	-0.09	30	-0.05	15	-0.30	15	-0.03
Kd of Ra-226 in Contaminated Zone	44	-0.10	39	-0.03	47	0.09	49	0.01
Kd of Ra-226 in Unsaturated Zone 1	31	-0.18	28	-0.05	42	-0.11	43	-0.01
Kd of Ra-226 in Saturated Zone	73	0.00	73	0.00	17	0.28	18	0.03
Kd of Tc-99 in Saturated Zone	47	0.09	50	0.02	56	0.06	56	0.01
Kd of Th-229 in Contaminated Zone	32	0.17	8	0.11	5	0.44	5	0.04
Kd of Th-229 in Unsaturated Zone 1	11	0.32	13	0.10	65	-0.05	65	0.00
Kd of Th-229 in Saturated Zone	19	-0.24	24	-0.06	35	-0.16	34	-0.01
Kd of Th-230 in Contaminated Zone	18	-0.26	11	-0.10	66	-0.05	66	0.00
Kd of Th-230 in Unsaturated Zone 1	70	-0.01	70	0.00	4	-0.44	4	-0.04
Kd of Th-230 in Saturated Zone	16	-0.27	17	-0.08	69	-0.02	69	0.00
Kd of U-233 in Saturated Zone	56	-0.06	57	-0.01	52	0.08	53	0.01
Kd of U-234 in Saturated Zone	62	-0.04	63	-0.01	8	0.36	7	0.03
Kd of U-235 in Saturated Zone	36	-0.14	40	-0.03	48	0.09	48	0.01
Kd of U-238 in Saturated Zone	65	-0.03	65	-0.01	28	0.20	28	0.02
Plant transfer factor for Ac	28	-0.19	20	-0.06	50	0.09	50	0.01
Meat transfer factor for Ac	59	-0.05	56	-0.01	24	0.22	24	0.02
Milk transfer factor for Ac	6	0.39	9	0.11	60	-0.06	61	0.00
Fish transfer factor for Ac	23	0.21	22	0.06	9	0.35	9	0.03
Plant transfer factor for Pb	8	0.35	16	0.09	33	0.17	33	0.02
Meat transfer factor for Pb	63	0.04	64	0.01	7	0.36	8	0.03
Milk transfer factor for Pb	40	0.12	46	0.03	18	0.28	17	0.03
Fish transfer factor for Pb	38	-0.13	35	-0.04	63	0.05	63	0.00
Plant transfer factor for Np	69	-0.01	69	0.00	49	-0.09	47	-0.01
Meat transfer factor for Np	66	0.02	66	0.01	38	0.15	38	0.01
Milk transfer factor for Np	58	0.05	59	0.01	71	0.01	71	0.00
Fish transfer factor for Np	71	-0.01	71	0.00	29	0.19	29	0.02
Plant transfer factor for Pu	35	0.17	37	0.04	34	-0.16	35	-0.01
Meat transfer factor for Pu	53	0.07	54	0.02	25	-0.22	25	-0.02
Milk transfer factor for Pu	10	-0.33	18	-0.07	14	-0.30	14	-0.03
Fish transfer factor for Pu	52	-0.07	52	-0.02	12	0.32	12	0.03
Plant transfer factor for Pa	13	0.29	14	0.09	64	-0.05	64	0.00
Meat transfer factor for Pa	57	-0.06	58	-0.01	59	0.06	58	0.01
Milk transfer factor for Pa	68	-0.01	68	0.00	73	0.00	73	0.00
Fish transfer factor for Pa	72	-0.01	72	0.00	68	0.02	68	0.00
Plant transfer factor for Ra	39	-0.13	43	-0.03	41	-0.11	41	-0.01
Meat transfer factor for Ra	17	-0.27	19	-0.06	10	-0.35	10	-0.03
Milk transfer factor for Ra	21	-0.23	23	-0.06	40	-0.12	40	-0.01
Fish transfer factor for Ra	34	0.17	33	0.05	6	0.41	6	0.04
Plant transfer factor for Tc	12	0.31	7	0.12	23	0.25	23	0.02
Meat transfer factor for Tc	54	0.07	48	0.02	39	0.15	39	0.01
Milk transfer factor for Tc	42	-0.11	47	-0.02	58	-0.06	59	-0.01
Fish transfer factor for Tc	64	0.04	61	0.01	26	-0.22	26	-0.02
Plant transfer factor for Th	33	0.17	36	0.04	70	0.02	70	0.00
Meat transfer factor for Th	45	-0.10	42	-0.03	45	0.10	44	0.01
Milk transfer factor for Th	25	0.21	29	0.05	32	0.17	32	0.02
Fish transfer factor for Th	41	-0.11	45	-0.03	44	0.10	45	0.01
Plant transfer factor for U	24	-0.21	32	-0.05	27	0.21	27	0.02
Meat transfer factor for U	15	-0.28	21	-0.06	37	-0.15	37	-0.01
Milk transfer factor for U	4	-0.43	12	-0.10	13	0.30	13	0.03
Fish transfer factor for U	5	-0.41	10	-0.11	19	-0.27	19	-0.03
Well pumping rate	37	-0.14	44	-0.03	31	-0.18	31	-0.02
Inhalation rate	3	0.83	3	0.36	3	0.97	3	0.38
Indoor dust filtration factor	2	0.92	2	0.54	2	0.99	2	0.60
Depth of soil mixing layer	1	-0.93	1	-0.59	1	-0.99	1	-0.72
Depth of roots	22	-0.22	27	-0.06	46	-0.10	46	-0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	20	-0.23	26	-0.06	57	-0.06	57	-0.01
Weathering removal constant of all vegetation	9	-0.34	15	-0.09	20	0.27	20	0.03
Wet foliar interception fraction of leafy vegetables	27	0.20	34	0.04	11	-0.34	11	-0.03

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 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	61	0.05	58	0.02	7	0.36	7	0.05
Kd of Ac-227 in Unsaturated Zone 1	16	0.30	15	0.08	13	0.29	13	0.04
Kd of Ac-227 in Saturated Zone	30	-0.20	29	-0.06	22	-0.20	22	-0.03
Kd of Np-237 in Contaminated Zone	41	0.15	27	0.06	65	0.01	65	0.00
Kd of Np-237 in Unsaturated Zone 1	55	0.07	52	0.03	54	0.04	54	0.01
Kd of Np-237 in Saturated Zone	52	-0.09	51	-0.03	72	0.00	72	0.00
Kd of Pa-231 in Contaminated Zone	7	-0.37	6	-0.40	63	0.01	63	0.00
Kd of Pa-231 in Unsaturated Zone 1	66	-0.03	61	-0.01	68	-0.01	68	0.00
Kd of Pa-231 in Saturated Zone	34	0.18	8	0.13	47	0.06	47	0.01
Kd of Pb-210 in Contaminated Zone	46	0.14	38	0.04	21	0.22	21	0.03
Kd of Pb-210 in Unsaturated Zone 1	25	0.24	25	0.06	36	-0.11	37	-0.01
Kd of Pb-210 in Saturated Zone	22	-0.25	22	-0.07	61	-0.02	61	0.00
Kd of Pu-239 in Contaminated Zone	50	0.11	57	0.02	41	0.09	42	0.01
Kd of Pu-239 in Unsaturated Zone 1	4	-0.40	10	-0.10	53	0.05	53	0.01
Kd of Pu-239 in Saturated Zone	14	-0.31	17	-0.08	35	-0.11	35	-0.01
Kd of Ra-226 in Contaminated Zone	60	-0.06	64	-0.01	16	-0.28	16	-0.04
Kd of Ra-226 in Unsaturated Zone 1	5	0.40	3	0.49	39	0.11	39	0.01
Kd of Ra-226 in Saturated Zone	45	0.14	49	0.03	15	0.28	15	0.04
Kd of Tc-99 in Saturated Zone	70	-0.02	71	0.00	52	0.05	52	0.01
Kd of Th-229 in Contaminated Zone	18	-0.27	14	-0.09	40	-0.09	41	-0.01
Kd of Th-229 in Unsaturated Zone 1	44	0.14	35	0.05	43	0.09	43	0.01
Kd of Th-229 in Saturated Zone	72	-0.01	69	-0.01	24	-0.18	24	-0.02
Kd of Th-230 in Contaminated Zone	13	0.32	7	0.29	12	-0.30	12	-0.04
Kd of Th-230 in Unsaturated Zone 1	8	-0.37	4	-0.44	45	-0.07	45	-0.01
Kd of Th-230 in Saturated Zone	56	-0.07	53	-0.03	34	0.12	34	0.01
Kd of U-233 in Saturated Zone	35	-0.18	41	-0.04	58	0.03	58	0.00
Kd of U-234 in Saturated Zone	36	0.17	31	0.06	44	0.08	44	0.01
Kd of U-235 in Saturated Zone	24	-0.24	32	-0.06	67	0.01	67	0.00
Kd of U-238 in Saturated Zone	62	-0.05	60	-0.02	69	-0.01	69	0.00
Plant transfer factor for Ac	42	0.15	44	0.04	70	0.01	70	0.00
Meat transfer factor for Ac	33	0.19	36	0.05	42	-0.09	40	-0.01
Milk transfer factor for Ac	19	0.26	30	0.06	5	0.48	5	0.07
Fish transfer factor for Ac	27	0.22	34	0.05	73	0.00	73	0.00
Plant transfer factor for Pb	20	0.26	19	0.08	33	-0.12	33	-0.02
Meat transfer factor for Pb	51	0.10	55	0.02	64	0.01	64	0.00
Milk transfer factor for Pb	23	-0.25	21	-0.07	17	-0.26	17	-0.03
Fish transfer factor for Pb	15	-0.31	16	-0.08	30	0.13	30	0.02
Plant transfer factor for Np	63	-0.05	56	-0.02	49	0.06	49	0.01
Meat transfer factor for Np	11	0.33	13	0.09	10	0.33	10	0.04
Milk transfer factor for Np	26	0.23	33	0.06	51	-0.05	51	-0.01
Fish transfer factor for Np	68	-0.02	68	-0.01	46	-0.06	46	-0.01
Plant transfer factor for Pu	67	-0.03	65	-0.01	62	-0.02	62	0.00
Meat transfer factor for Pu	28	-0.22	26	-0.06	27	-0.15	27	-0.02
Milk transfer factor for Pu	43	-0.14	47	-0.03	6	-0.39	6	-0.05
Fish transfer factor for Pu	32	-0.19	28	-0.06	9	0.34	9	0.05
Plant transfer factor for Pa	57	-0.07	54	-0.03	14	0.29	14	0.04
Meat transfer factor for Pa	53	-0.09	59	-0.02	18	-0.24	18	-0.03
Milk transfer factor for Pa	54	-0.09	46	-0.03	19	-0.23	19	-0.03
Fish transfer factor for Pa	6	0.37	12	0.09	4	-0.52	4	-0.08
Plant transfer factor for Ra	40	-0.15	37	-0.04	60	0.02	60	0.00
Meat transfer factor for Ra	64	0.04	66	0.01	28	0.14	28	0.02
Milk transfer factor for Ra	73	0.00	73	0.00	23	0.18	23	0.02
Fish transfer factor for Ra	48	-0.13	43	-0.04	50	-0.06	50	-0.01
Plant transfer factor for Tc	9	-0.36	9	-0.12	32	-0.13	32	-0.02
Meat transfer factor for Tc	58	0.06	62	0.01	55	-0.04	55	-0.01
Milk transfer factor for Tc	10	0.33	11	0.10	71	0.00	71	0.00
Fish transfer factor for Tc	17	0.28	20	0.07	57	-0.03	57	0.00
Plant transfer factor for Th	29	0.21	24	0.06	38	0.11	38	0.01
Meat transfer factor for Th	31	-0.19	40	-0.04	66	0.01	66	0.00
Milk transfer factor for Th	49	0.13	50	0.03	59	0.03	59	0.00
Fish transfer factor for Th	71	0.01	72	0.00	56	-0.03	56	0.00
Plant transfer factor for U	12	-0.32	18	-0.08	29	-0.14	29	-0.02
Meat transfer factor for U	38	0.16	42	0.04	8	-0.35	8	-0.05
Milk transfer factor for U	69	-0.02	70	-0.01	48	-0.06	48	-0.01
Fish transfer factor for U	39	0.16	45	0.04	25	0.18	25	0.02
Well pumping rate	37	0.17	39	0.04	20	0.23	20	0.03
Inhalation rate	3	0.87	5	0.42	3	0.95	3	0.37
Indoor dust filtration factor	2	0.93	2	0.56	2	0.98	2	0.59
Depth of soil mixing layer	1	-0.95	1	-0.63	1	-0.98	1	-0.69
Depth of roots	47	0.13	48	0.03	26	0.17	26	0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	59	0.06	63	0.01	37	0.11	36	0.01
Weathering removal constant of all vegetation	65	0.03	67	0.01	31	0.13	31	0.02
Wet foliar interception fraction of leafy vegetables	21	0.26	23	0.06	11	0.30	11	0.04
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 Radon (WaterInd.) 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	0	0.00	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	0	0.00
Kd of Ac-227 in Saturated Zone	0	0.00	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	0	0.00
Kd of Np-237 in Unsaturated Zone 1	0	0.00	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	0	0.00
Kd of Pa-231 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Pa-231 in Saturated Zone	0	0.00	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	0	0.00
Kd of Pb-210 in Unsaturated Zone 1	0	0.00	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	0	0.00
Kd of Pu-239 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Pu-239 in Saturated Zone	0	0.00	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	0	0.00
Kd of Ra-226 in Unsaturated Zone 1	0	0.00	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	0	0.00
Kd of Tc-99 in Saturated Zone	0	0.00	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	0	0.00
Kd of Th-229 in Unsaturated Zone 1	0	0.00	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	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	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	0	0.00
Kd of U-234 in Saturated Zone	0	0.00	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	0	0.00
Kd of U-238 in Saturated Zone	0	0.00	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	0	0.00
Meat transfer factor for Ac	0	0.00	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	0	0.00
Fish transfer factor for Ac	0	0.00	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	0	0.00
Meat transfer factor for Pb	0	0.00	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	0	0.00
Fish transfer factor for Pb	0	0.00	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	0	0.00
Meat transfer factor for Np	0	0.00	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	0	0.00
Fish transfer factor for Np	0	0.00	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	0	0.00
Meat transfer factor for Pu	0	0.00	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	0	0.00
Fish transfer factor for Pu	0	0.00	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	0	0.00
Meat transfer factor for Pa	0	0.00	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	0	0.00
Fish transfer factor for Pa	0	0.00	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	0	0.00
Meat transfer factor for Ra	0	0.00	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	0	0.00
Fish transfer factor for Ra	0	0.00	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	0	0.00
Meat transfer factor for Tc	0	0.00	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	0	0.00
Fish transfer factor for Tc	0	0.00	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	0	0.00
Meat transfer factor for Th	0	0.00	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	0	0.00
Fish transfer factor for Th	0	0.00	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	0	0.00
Meat transfer factor for U	0	0.00	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	0	0.00
Fish transfer factor for U	0	0.00	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	0	0.00
Inhalation rate	0	0.00	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	0	0.00
Depth of soil mixing layer	0	0.00	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	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	0	0.00
Weathering removal constant of all vegetation	0	0.00	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	0	0.00
R-SQUARE		0.00		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	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	
Kd of Ac-227 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Ac-227 in Saturated Zone	0	0.00	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	0	0.00
Kd of Np-237 in Unsaturated Zone 1	0	0.00	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	0	0.00
Kd of Pa-231 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Pa-231 in Saturated Zone	0	0.00	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	0	0.00
Kd of Pb-210 in Unsaturated Zone 1	0	0.00	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	0	0.00
Kd of Pu-239 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Pu-239 in Saturated Zone	0	0.00	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	0	0.00
Kd of Ra-226 in Unsaturated Zone 1	0	0.00	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	0	0.00
Kd of Tc-99 in Saturated Zone	0	0.00	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	0	0.00
Kd of Th-229 in Unsaturated Zone 1	0	0.00	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	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	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	0	0.00
Kd of U-234 in Saturated Zone	0	0.00	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	0	0.00
Kd of U-238 in Saturated Zone	0	0.00	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	0	0.00
Meat transfer factor for Ac	0	0.00	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	0	0.00
Fish transfer factor for Ac	0	0.00	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	0	0.00
Meat transfer factor for Pb	0	0.00	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	0	0.00
Fish transfer factor for Pb	0	0.00	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	0	0.00
Meat transfer factor for Np	0	0.00	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	0	0.00
Fish transfer factor for Np	0	0.00	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	0	0.00
Meat transfer factor for Pu	0	0.00	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	0	0.00
Fish transfer factor for Pu	0	0.00	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	0	0.00
Meat transfer factor for Pa	0	0.00	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	0	0.00
Fish transfer factor for Pa	0	0.00	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	0	0.00
Meat transfer factor for Ra	0	0.00	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	0	0.00
Fish transfer factor for Ra	0	0.00	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	0	0.00
Meat transfer factor for Tc	0	0.00	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	0	0.00
Fish transfer factor for Tc	0	0.00	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	0	0.00
Meat transfer factor for Th	0	0.00	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	0	0.00
Fish transfer factor for Th	0	0.00	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	0	0.00
Meat transfer factor for U	0	0.00	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	0	0.00
Fish transfer factor for U	0	0.00	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	0	0.00
Inhalation rate	0	0.00	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	0	0.00
Depth of soil mixing layer	0	0.00	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	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	0	0.00
Weathering removal constant of all vegetation	0	0.00	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	0	0.00
R-SQUARE		0.00		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 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 Tc-99 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 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 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
Inhalation rate	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	23	0.22	22	0.09	32	0.23	31	0.04
Kd of Ac-227 in Unsaturated Zone 1	19	-0.23	6	-0.18	62	0.07	61	0.01
Kd of Ac-227 in Saturated Zone	38	-0.15	28	-0.07	39	-0.18	39	-0.03
Kd of Np-237 in Contaminated Zone	18	0.24	13	0.13	7	-0.41	7	-0.07
Kd of Np-237 in Unsaturated Zone 1	27	0.18	29	0.07	33	-0.21	33	-0.03
Kd of Np-237 in Saturated Zone	51	-0.09	54	-0.04	63	0.07	63	0.01
Kd of Pa-231 in Contaminated Zone	49	0.10	42	0.06	67	-0.05	67	-0.01
Kd of Pa-231 in Unsaturated Zone 1	13	-0.28	16	-0.11	16	0.29	16	0.04
Kd of Pa-231 in Saturated Zone	8	0.34	9	0.14	47	0.14	47	0.02
Kd of Pb-210 in Contaminated Zone	6	-0.39	2	-0.73	17	0.28	17	0.04
Kd of Pb-210 in Unsaturated Zone 1	29	-0.18	33	-0.07	52	-0.11	52	-0.02
Kd of Pb-210 in Saturated Zone	60	-0.06	62	-0.03	22	0.26	22	0.04
Kd of Pu-239 in Contaminated Zone	71	-0.01	71	0.00	38	-0.18	37	-0.03
Kd of Pu-239 in Unsaturated Zone 1	61	0.06	53	0.04	10	-0.34	10	-0.05
Kd of Pu-239 in Saturated Zone	9	-0.32	14	-0.13	35	0.20	35	0.03
Kd of Ra-226 in Contaminated Zone	56	-0.08	55	-0.03	5	0.43	5	0.07
Kd of Ra-226 in Unsaturated Zone 1	43	0.12	43	0.06	68	-0.05	68	-0.01
Kd of Ra-226 in Saturated Zone	66	0.04	66	0.02	57	0.10	57	0.01
Kd of Tc-99 in Saturated Zone	4	0.43	1	0.88	56	-0.10	56	-0.01
Kd of Th-229 in Contaminated Zone	58	-0.07	49	-0.04	18	-0.28	18	-0.04
Kd of Th-229 in Unsaturated Zone 1	25	0.20	23	0.09	27	0.24	27	0.04
Kd of Th-229 in Saturated Zone	7	-0.35	7	-0.17	54	0.10	54	0.02
Kd of Th-230 in Contaminated Zone	39	-0.14	44	-0.05	4	0.53	4	0.09
Kd of Th-230 in Unsaturated Zone 1	63	-0.06	61	-0.03	37	-0.18	38	-0.03
Kd of Th-230 in Saturated Zone	45	0.12	34	0.07	24	-0.26	24	-0.04
Kd of U-233 in Saturated Zone	62	-0.06	58	-0.03	12	0.31	12	0.05
Kd of U-234 in Saturated Zone	57	0.07	60	0.03	8	-0.40	8	-0.07
Kd of U-235 in Saturated Zone	21	0.22	17	0.11	53	-0.10	53	-0.02
Kd of U-238 in Saturated Zone	34	-0.16	26	-0.08	59	0.08	59	0.01
Plant transfer factor for Ac	42	-0.13	45	-0.05	26	0.25	25	0.04
Meat transfer factor for Ac	41	0.13	32	0.07	64	0.06	64	0.01
Milk transfer factor for Ac	47	-0.11	47	-0.05	66	-0.06	66	-0.01
Fish transfer factor for Ac	33	-0.17	39	-0.06	14	0.30	14	0.05
Plant transfer factor for Pb	64	0.06	65	0.02	23	-0.26	23	-0.04
Meat transfer factor for Pb	22	-0.22	24	-0.09	20	-0.27	21	-0.04
Milk transfer factor for Pb	69	-0.03	69	-0.01	70	-0.04	70	-0.01
Fish transfer factor for Pb	53	0.09	57	0.03	36	0.18	36	0.03
Plant transfer factor for Np	73	-0.01	73	0.00	31	0.23	32	0.04
Meat transfer factor for Np	15	-0.27	15	-0.12	65	-0.06	65	-0.01
Milk transfer factor for Np	65	-0.05	64	-0.02	41	-0.17	40	-0.03
Fish transfer factor for Np	72	0.01	72	0.00	21	0.27	20	0.04
Plant transfer factor for Pu	52	-0.09	52	-0.04	61	0.07	62	0.01
Meat transfer factor for Pu	46	-0.11	48	-0.05	45	0.14	46	0.02
Milk transfer factor for Pu	35	0.16	36	0.06	71	-0.02	71	0.00
Fish transfer factor for Pu	24	0.20	27	0.08	58	-0.09	58	-0.01
Plant transfer factor for Pa	31	-0.17	40	-0.06	48	0.13	48	0.02
Meat transfer factor for Pa	14	-0.28	10	-0.14	55	0.10	55	0.01
Milk transfer factor for Pa	30	0.17	31	0.07	43	0.15	43	0.02
Fish transfer factor for Pa	54	0.08	59	0.03	13	-0.30	13	-0.05
Plant transfer factor for Ra	28	0.18	25	0.08	40	-0.17	41	-0.03
Meat transfer factor for Ra	70	-0.02	70	-0.01	25	-0.25	26	-0.04
Milk transfer factor for Ra	59	0.06	63	0.03	72	-0.01	72	0.00
Fish transfer factor for Ra	5	-0.40	8	-0.17	50	0.12	50	0.02
Plant transfer factor for Tc	2	0.77	4	0.51	2	0.97	2	0.58
Meat transfer factor for Tc	20	0.23	20	0.10	51	0.11	51	0.02
Milk transfer factor for Tc	40	-0.13	38	-0.06	19	0.27	19	0.04
Fish transfer factor for Tc	26	0.18	30	0.07	69	0.05	69	0.01
Plant transfer factor for Th	50	0.10	51	0.04	73	0.00	73	0.00
Meat transfer factor for Th	55	-0.08	56	-0.03	9	-0.37	9	-0.06
Milk transfer factor for Th	17	0.26	19	0.11	44	-0.15	44	-0.02
Fish transfer factor for Th	48	0.10	50	0.04	28	-0.24	28	-0.04
Plant transfer factor for U	3	0.76	5	0.44	3	0.95	3	0.45
Meat transfer factor for U	11	-0.30	18	-0.11	60	0.08	60	0.01
Milk transfer factor for U	37	0.15	37	0.06	29	-0.23	29	-0.04
Fish transfer factor for U	32	-0.17	35	-0.06	49	-0.13	49	-0.02
Well pumping rate	16	0.26	21	0.10	6	0.42	6	0.07
Inhalation rate	12	0.28	11	0.14	46	-0.14	45	-0.02
Indoor dust filtration factor	36	0.16	41	0.06	34	-0.20	34	-0.03
Depth of soil mixing layer	10	-0.32	12	-0.13	11	0.31	11	0.05
Depth of roots	1	-0.83	3	-0.63	1	-0.98	1	-0.67
Wet weight crop yield of fruit, grain and non-leafy vegetables	44	-0.12	46	-0.05	42	0.16	42	0.02
Weathering removal constant of all vegetation	68	-0.04	67	-0.01	15	-0.29	15	-0.05
Wet foliar interception fraction of leafy vegetables	67	0.04	68	0.01	30	0.23	30	0.04

R-SQUARE 0.92 0.92 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	53	0.08	55	0.02	65	-0.05	65	-0.01
Kd of Ac-227 in Unsaturated Zone 1	29	0.22	27	0.08	16	0.25	17	0.04
Kd of Ac-227 in Saturated Zone	57	0.07	56	0.02	33	-0.16	33	-0.03
Kd of Np-237 in Contaminated Zone	65	0.03	65	0.01	57	0.06	57	0.01
Kd of Np-237 in Unsaturated Zone 1	36	0.16	44	0.04	38	0.14	38	0.02
Kd of Np-237 in Saturated Zone	17	0.31	22	0.09	43	0.12	43	0.02
Kd of Pa-231 in Contaminated Zone	40	0.14	46	0.04	68	0.03	68	0.00
Kd of Pa-231 in Unsaturated Zone 1	50	-0.10	52	-0.03	59	-0.05	59	-0.01
Kd of Pa-231 in Saturated Zone	19	-0.30	18	-0.11	35	-0.15	35	-0.02
Kd of Pb-210 in Contaminated Zone	34	-0.17	14	-0.13	37	0.14	36	0.02
Kd of Pb-210 in Unsaturated Zone 1	9	0.40	5	0.23	12	0.30	12	0.05
Kd of Pb-210 in Saturated Zone	18	0.31	4	0.24	51	0.09	51	0.02
Kd of Pu-239 in Contaminated Zone	45	-0.13	33	-0.06	63	0.05	64	0.01
Kd of Pu-239 in Unsaturated Zone 1	55	-0.08	53	-0.03	48	-0.12	48	-0.02
Kd of Pu-239 in Saturated Zone	49	-0.11	29	-0.08	46	0.12	47	0.02
Kd of Ra-226 in Contaminated Zone	68	0.02	67	0.01	58	-0.05	58	-0.01
Kd of Ra-226 in Unsaturated Zone 1	13	0.35	13	0.13	29	0.19	28	0.03
Kd of Ra-226 in Saturated Zone	30	0.21	34	0.06	40	-0.14	40	-0.02
Kd of Tc-99 in Saturated Zone	22	0.28	28	0.08	31	0.18	31	0.03
Kd of Th-229 in Contaminated Zone	47	0.11	26	0.08	34	-0.16	34	-0.03
Kd of Th-229 in Unsaturated Zone 1	15	-0.32	17	-0.12	4	0.47	4	0.09
Kd of Th-229 in Saturated Zone	5	0.55	7	0.19	24	-0.21	23	-0.03
Kd of Th-230 in Contaminated Zone	62	0.05	54	0.02	15	0.26	15	0.04
Kd of Th-230 in Unsaturated Zone 1	4	0.59	6	0.23	27	0.20	27	0.03
Kd of Th-230 in Saturated Zone	24	-0.27	20	-0.09	14	-0.28	14	-0.05
Kd of U-233 in Saturated Zone	63	-0.05	63	-0.01	28	-0.19	29	-0.03
Kd of U-234 in Saturated Zone	67	-0.03	68	-0.01	47	0.12	45	0.02
Kd of U-235 in Saturated Zone	35	0.17	36	0.05	11	0.31	11	0.05
Kd of U-238 in Saturated Zone	31	0.19	35	0.05	5	-0.44	6	-0.08
Plant transfer factor for Ac	66	0.03	64	0.01	30	0.19	30	0.03
Meat transfer factor for Ac	11	0.38	11	0.14	8	0.40	8	0.07
Milk transfer factor for Ac	42	-0.14	40	-0.04	23	-0.21	24	-0.03
Fish transfer factor for Ac	6	-0.45	9	-0.16	69	-0.03	69	0.00
Plant transfer factor for Pb	54	-0.08	57	-0.02	49	-0.11	49	-0.02
Meat transfer factor for Pb	64	-0.03	66	-0.01	67	-0.04	67	-0.01
Milk transfer factor for Pb	72	-0.01	72	0.00	73	-0.01	72	0.00
Fish transfer factor for Pb	14	-0.32	15	-0.12	61	-0.05	61	-0.01
Plant transfer factor for Np	51	0.10	51	0.03	9	0.39	9	0.07
Meat transfer factor for Np	70	0.02	70	0.01	21	-0.22	21	-0.04
Milk transfer factor for Np	39	0.15	41	0.04	25	0.20	25	0.03
Fish transfer factor for Np	69	-0.02	69	-0.01	62	0.05	62	0.01
Plant transfer factor for Pu	23	0.27	31	0.08	66	0.04	66	0.01
Meat transfer factor for Pu	71	-0.01	71	0.00	32	-0.17	32	-0.03
Milk transfer factor for Pu	48	0.11	50	0.03	36	0.14	37	0.02
Fish transfer factor for Pu	46	0.11	49	0.04	72	-0.01	73	0.00
Plant transfer factor for Pa	12	0.37	10	0.14	44	-0.12	44	-0.02
Meat transfer factor for Pa	59	0.07	59	0.02	53	0.08	53	0.01
Milk transfer factor for Pa	7	-0.42	8	-0.17	45	-0.12	46	-0.02
Fish transfer factor for Pa	20	0.30	24	0.09	55	-0.07	55	-0.01
Plant transfer factor for Ra	38	0.15	39	0.05	71	-0.02	71	0.00
Meat transfer factor for Ra	33	0.17	38	0.05	56	-0.07	56	-0.01
Milk transfer factor for Ra	41	0.14	43	0.04	19	0.23	19	0.04
Fish transfer factor for Ra	25	-0.25	25	-0.08	6	0.43	5	0.08
Plant transfer factor for Tc	2	0.84	1	0.68	2	0.96	2	0.54
Meat transfer factor for Tc	52	-0.10	48	-0.04	64	-0.05	63	-0.01
Milk transfer factor for Tc	32	0.18	37	0.05	13	0.29	13	0.05
Fish transfer factor for Tc	61	-0.06	60	-0.02	70	0.02	70	0.00
Plant transfer factor for Th	44	0.13	47	0.04	60	0.05	60	0.01
Meat transfer factor for Th	28	-0.23	21	-0.09	54	0.08	54	0.01
Milk transfer factor for Th	10	0.39	16	0.12	17	0.25	16	0.04
Fish transfer factor for Th	26	0.25	30	0.08	41	0.13	41	0.02
Plant transfer factor for U	3	0.68	3	0.25	3	0.90	3	0.34
Meat transfer factor for U	58	-0.07	61	-0.02	10	-0.32	10	-0.05
Milk transfer factor for U	60	0.07	62	0.02	50	-0.11	50	-0.02
Fish transfer factor for U	37	0.15	42	0.04	42	0.13	42	0.02
Well pumping rate	56	-0.07	58	-0.02	22	0.21	22	0.03
Inhalation rate	8	-0.42	12	-0.14	39	0.14	39	0.02
Indoor dust filtration factor	27	0.24	32	0.07	18	0.24	18	0.04
Depth of soil mixing layer	43	-0.14	45	-0.04	26	-0.20	26	-0.03
Depth of roots	1	-0.90	2	-0.60	1	-0.97	1	-0.70
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	0.32	19	0.10	7	0.41	7	0.07
Weathering removal constant of all vegetation	21	-0.29	23	-0.09	52	-0.09	52	-0.01
Wet foliar interception fraction of leafy vegetables	73	0.00	73	0.00	20	-0.23	20	-0.04

R-SQUARE 0.96 0.96 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	41	0.11	31	0.08	62	-0.04	62	-0.01
Kd of Ac-227 in Unsaturated Zone 1	57	-0.06	57	-0.03	8	-0.30	9	-0.06
Kd of Ac-227 in Saturated Zone	6	0.35	9	0.20	42	0.10	42	0.02
Kd of Np-237 in Contaminated Zone	48	0.09	39	0.06	11	-0.29	11	-0.06
Kd of Np-237 in Unsaturated Zone 1	39	0.11	29	0.08	20	-0.18	20	-0.04
Kd of Np-237 in Saturated Zone	15	-0.21	17	-0.12	47	0.09	47	0.02
Kd of Pa-231 in Contaminated Zone	26	-0.16	6	-0.30	19	-0.20	19	-0.04
Kd of Pa-231 in Unsaturated Zone 1	73	-0.01	73	0.00	12	0.28	12	0.06
Kd of Pa-231 in Saturated Zone	12	0.24	4	0.34	73	0.00	73	0.00
Kd of Pb-210 in Contaminated Zone	63	-0.05	60	-0.03	37	-0.12	38	-0.02
Kd of Pb-210 in Unsaturated Zone 1	71	0.03	70	0.01	13	-0.28	13	-0.06
Kd of Pb-210 in Saturated Zone	13	0.24	16	0.12	16	-0.24	16	-0.05
Kd of Pu-239 in Contaminated Zone	24	0.17	41	0.06	43	0.10	43	0.02
Kd of Pu-239 in Unsaturated Zone 1	29	0.15	38	0.07	53	0.07	53	0.01
Kd of Pu-239 in Saturated Zone	55	0.07	61	0.03	48	0.09	48	0.02
Kd of Ra-226 in Contaminated Zone	54	-0.07	58	-0.03	34	-0.13	34	-0.03
Kd of Ra-226 in Unsaturated Zone 1	64	0.05	19	0.10	6	0.39	6	0.09
Kd of Ra-226 in Saturated Zone	58	-0.06	67	-0.02	68	-0.01	68	0.00
Kd of Tc-99 in Saturated Zone	20	-0.18	25	-0.08	52	0.08	52	0.02
Kd of Th-229 in Contaminated Zone	50	0.08	48	0.05	24	-0.17	24	-0.03
Kd of Th-229 in Unsaturated Zone 1	37	-0.12	26	-0.08	5	-0.42	5	-0.09
Kd of Th-229 in Saturated Zone	36	-0.12	18	-0.11	15	-0.24	15	-0.05
Kd of Th-230 in Contaminated Zone	69	-0.03	46	-0.05	71	0.00	71	0.00
Kd of Th-230 in Unsaturated Zone 1	66	-0.04	22	-0.09	14	0.25	14	0.05
Kd of Th-230 in Saturated Zone	11	-0.26	12	-0.18	41	0.11	41	0.02
Kd of U-233 in Saturated Zone	32	-0.14	42	-0.06	63	0.04	63	0.01
Kd of U-234 in Saturated Zone	49	0.09	45	0.05	39	-0.12	39	-0.02
Kd of U-235 in Saturated Zone	45	0.09	52	0.04	54	-0.06	54	-0.01
Kd of U-238 in Saturated Zone	19	-0.18	14	-0.13	60	0.05	60	0.01
Plant transfer factor for Ac	59	0.06	63	0.03	36	-0.12	36	-0.02
Meat transfer factor for Ac	10	0.27	15	0.12	38	-0.12	37	-0.02
Milk transfer factor for Ac	56	-0.06	65	-0.02	30	0.15	30	0.03
Fish transfer factor for Ac	43	0.10	49	0.04	64	0.04	64	0.01
Plant transfer factor for Pb	34	0.13	37	0.07	32	0.14	33	0.03
Meat transfer factor for Pb	53	-0.08	56	-0.03	18	-0.21	17	-0.04
Milk transfer factor for Pb	65	0.05	64	0.03	27	0.16	27	0.03
Fish transfer factor for Pb	51	0.08	54	0.04	69	0.01	69	0.00
Plant transfer factor for Np	14	0.22	11	0.19	46	-0.09	46	-0.02
Meat transfer factor for Np	40	0.11	44	0.05	35	0.13	35	0.03
Milk transfer factor for Np	23	0.17	33	0.08	58	-0.06	58	-0.01
Fish transfer factor for Np	8	0.33	7	0.21	59	-0.05	59	-0.01
Plant transfer factor for Pu	38	0.12	27	0.08	21	-0.18	21	-0.04
Meat transfer factor for Pu	17	0.20	20	0.10	40	-0.11	40	-0.02
Milk transfer factor for Pu	22	0.17	34	0.07	51	0.08	51	0.02
Fish transfer factor for Pu	28	0.15	24	0.09	67	0.01	67	0.00
Plant transfer factor for Pa	9	-0.28	10	-0.19	10	0.29	10	0.06
Meat transfer factor for Pa	42	-0.10	53	-0.04	7	-0.31	7	-0.07
Milk transfer factor for Pa	31	-0.14	21	-0.10	4	-0.47	4	-0.11
Fish transfer factor for Pa	60	0.06	66	0.02	70	-0.01	70	0.00
Plant transfer factor for Ra	62	-0.05	62	-0.03	44	0.10	44	0.02
Meat transfer factor for Ra	27	0.15	30	0.08	50	0.08	50	0.02
Milk transfer factor for Ra	61	-0.05	59	-0.03	55	0.06	55	0.01
Fish transfer factor for Ra	44	0.09	47	0.05	66	-0.01	66	0.00
Plant transfer factor for Tc	3	0.67	2	0.51	2	0.93	2	0.53
Meat transfer factor for Tc	5	0.36	13	0.16	33	0.14	32	0.03
Milk transfer factor for Tc	72	-0.01	72	-0.01	72	0.00	72	0.00
Fish transfer factor for Tc	46	0.09	50	0.04	22	-0.18	22	-0.04
Plant transfer factor for Th	33	-0.13	36	-0.07	25	0.17	25	0.03
Meat transfer factor for Th	21	0.18	35	0.07	61	0.05	61	0.01
Milk transfer factor for Th	52	0.08	55	0.03	45	-0.10	45	-0.02
Fish transfer factor for Th	16	0.20	23	0.09	28	0.16	28	0.03
Plant transfer factor for U	2	0.68	3	0.40	3	0.91	3	0.46
Meat transfer factor for U	67	0.04	68	0.02	56	-0.06	56	-0.01
Milk transfer factor for U	7	0.35	8	0.21	49	-0.09	49	-0.02
Fish transfer factor for U	4	0.59	5	0.30	17	0.22	18	0.04
Well pumping rate	25	0.16	28	0.08	57	-0.06	57	-0.01
Inhalation rate	47	-0.09	51	-0.04	65	-0.02	65	0.00
Indoor dust filtration factor	68	0.04	69	0.01	26	0.16	26	0.03
Depth of soil mixing layer	18	-0.18	32	-0.08	31	0.15	31	0.03
Depth of roots	1	-0.80	1	-0.58	1	-0.96	1	-0.68
Wet weight crop yield of fruit, grain and non-leafy vegetables	70	0.03	71	0.01	9	-0.30	8	-0.06
Weathering removal constant of all vegetation	30	-0.15	40	-0.06	23	-0.17	23	-0.04
Wet foliar interception fraction of leafy vegetables	35	0.12	43	0.06	29	-0.16	29	-0.03

R-SQUARE 0.91 0.91 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 (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	44	0.12	47	-0.03	54	-0.06	54	-0.01
Kd of Ac-227 in Unsaturated Zone 1	41	-0.12	24	-0.06	13	0.29	12	0.03
Kd of Ac-227 in Saturated Zone	46	-0.11	40	-0.04	36	-0.13	37	-0.01
Kd of Np-237 in Contaminated Zone	60	-0.05	58	-0.02	73	-0.01	73	0.00
Kd of Np-237 in Unsaturated Zone 1	20	-0.23	22	-0.06	63	0.03	65	0.00
Kd of Np-237 in Saturated Zone	48	0.11	52	0.03	22	-0.21	23	-0.02
Kd of Pa-231 in Contaminated Zone	42	-0.12	35	-0.04	7	-0.33	7	-0.04
Kd of Pa-231 in Unsaturated Zone 1	49	-0.11	51	-0.03	20	-0.22	21	-0.02
Kd of Pa-231 in Saturated Zone	10	0.36	10	0.10	18	-0.23	18	-0.03
Kd of Pb-210 in Contaminated Zone	61	-0.05	29	-0.05	62	-0.03	62	0.00
Kd of Pb-210 in Unsaturated Zone 1	25	-0.19	32	-0.05	48	-0.10	48	-0.01
Kd of Pb-210 in Saturated Zone	26	0.19	28	0.05	61	0.03	61	0.00
Kd of Pu-239 in Contaminated Zone	59	0.05	62	0.01	52	0.07	52	0.01
Kd of Pu-239 in Unsaturated Zone 1	54	-0.07	49	-0.03	43	-0.11	41	-0.01
Kd of Pu-239 in Saturated Zone	17	-0.27	20	-0.07	42	0.11	43	0.01
Kd of Ra-226 in Contaminated Zone	3	0.47	3	0.15	51	0.07	51	0.01
Kd of Ra-226 in Unsaturated Zone 1	66	-0.02	67	-0.01	45	-0.11	46	-0.01
Kd of Ra-226 in Saturated Zone	33	-0.16	27	-0.05	29	-0.19	29	-0.02
Kd of Tc-99 in Saturated Zone	47	0.11	4	0.13	21	0.22	20	0.02
Kd of Th-229 in Contaminated Zone	63	0.04	61	0.01	12	0.29	13	0.03
Kd of Th-229 in Unsaturated Zone 1	34	-0.16	37	-0.04	23	0.21	24	0.02
Kd of Th-229 in Saturated Zone	32	-0.17	30	-0.05	41	0.11	42	0.01
Kd of Th-230 in Contaminated Zone	37	-0.14	46	-0.03	68	-0.02	68	0.00
Kd of Th-230 in Unsaturated Zone 1	52	-0.09	50	-0.03	39	0.13	39	0.01
Kd of Th-230 in Saturated Zone	69	0.02	66	0.01	25	0.20	25	0.02
Kd of U-233 in Saturated Zone	64	0.03	64	0.01	38	-0.13	38	-0.01
Kd of U-234 in Saturated Zone	28	0.18	34	0.05	28	-0.19	28	-0.02
Kd of U-235 in Saturated Zone	23	-0.22	19	-0.07	59	0.04	59	0.00
Kd of U-238 in Saturated Zone	19	0.24	16	0.08	30	-0.17	30	-0.02
Plant transfer factor for Ac	51	-0.09	54	-0.02	69	-0.02	69	0.00
Meat transfer factor for Ac	58	-0.05	57	-0.02	6	0.35	6	0.04
Milk transfer factor for Ac	15	0.28	18	0.08	31	-0.15	31	-0.02
Fish transfer factor for Ac	36	0.15	41	0.04	5	-0.36	5	-0.04
Plant transfer factor for Pb	62	-0.04	63	-0.01	33	-0.15	33	-0.02
Meat transfer factor for Pb	72	0.01	72	0.00	57	-0.05	57	-0.01
Milk transfer factor for Pb	31	-0.17	38	-0.04	17	-0.26	17	-0.03
Fish transfer factor for Pb	35	-0.15	42	-0.04	60	0.03	60	0.00
Plant transfer factor for Np	38	-0.14	44	-0.04	47	0.10	47	0.01
Meat transfer factor for Np	67	-0.02	69	-0.01	49	-0.08	49	-0.01
Milk transfer factor for Np	11	0.32	8	0.11	24	0.21	22	0.02
Fish transfer factor for Np	56	0.06	59	0.02	64	-0.03	63	0.00
Plant transfer factor for Pu	29	0.18	31	0.05	58	-0.05	58	0.00
Meat transfer factor for Pu	24	-0.22	26	-0.06	19	-0.22	19	-0.02
Milk transfer factor for Pu	43	0.12	48	0.03	16	0.26	16	0.03
Fish transfer factor for Pu	71	-0.01	71	0.00	9	0.31	9	0.04
Plant transfer factor for Pa	8	0.37	12	0.09	70	-0.01	70	0.00
Meat transfer factor for Pa	55	0.07	55	0.02	67	-0.02	67	0.00
Milk transfer factor for Pa	22	0.22	25	0.06	35	0.14	35	0.02
Fish transfer factor for Pa	27	-0.19	33	-0.05	44	-0.11	44	-0.01
Plant transfer factor for Ra	9	0.36	7	0.12	14	-0.28	14	-0.03
Meat transfer factor for Ra	13	0.32	13	0.09	4	-0.37	4	-0.04
Milk transfer factor for Ra	14	0.31	14	0.09	27	0.19	27	0.02
Fish transfer factor for Ra	4	0.43	6	0.12	15	-0.27	15	-0.03
Plant transfer factor for Tc	68	-0.02	68	-0.01	55	0.06	55	0.01
Meat transfer factor for Tc	39	0.13	39	0.04	50	0.08	50	0.01
Milk transfer factor for Tc	45	-0.11	45	-0.04	34	0.14	34	0.02
Fish transfer factor for Tc	7	-0.38	9	-0.10	8	0.33	8	0.04
Plant transfer factor for Th	18	0.24	23	0.06	37	-0.13	36	-0.01
Meat transfer factor for Th	70	-0.01	70	0.00	72	-0.01	72	0.00
Milk transfer factor for Th	57	0.06	60	0.02	32	-0.15	32	-0.02
Fish transfer factor for Th	16	-0.27	17	-0.08	66	0.02	66	0.00
Plant transfer factor for U	12	-0.32	15	-0.08	3	0.46	3	0.06
Meat transfer factor for U	1	0.96	1	0.81	1	0.99	1	0.84
Milk transfer factor for U	65	-0.03	65	-0.01	11	-0.30	11	-0.03
Fish transfer factor for U	73	0.01	73	0.00	26	-0.19	26	-0.02
Well pumping rate	30	0.18	36	0.04	53	-0.07	53	-0.01
Inhalation rate	5	-0.39	5	-0.13	46	0.10	45	0.01
Indoor dust filtration factor	6	-0.39	11	-0.10	56	-0.06	56	-0.01
Depth of soil mixing layer	2	-0.85	2	-0.43	2	-0.98	2	-0.50
Depth of roots	21	-0.23	21	-0.07	10	-0.30	10	-0.04
Wet weight crop yield of fruit, grain and non-leafy vegetables	40	-0.13	43	-0.04	71	0.01	71	0.00
Weathering removal constant of all vegetation	50	0.10	53	0.02	65	0.03	64	0.00
Wet foliar interception fraction of leafy vegetables	53	-0.09	56	-0.02	40	0.11	40	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 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	5	0.36	9	0.10	70	0.01	70	0.00
Kd of Ac-227 in Unsaturated Zone 1	8	0.33	5	0.12	33	0.11	35	0.01
Kd of Ac-227 in Saturated Zone	15	0.27	16	0.08	32	0.11	32	0.01
Kd of Np-237 in Contaminated Zone	42	0.10	46	0.02	72	0.00	72	0.00
Kd of Np-237 in Unsaturated Zone 1	48	-0.08	53	-0.02	56	-0.05	56	-0.01
Kd of Np-237 in Saturated Zone	41	0.11	44	0.03	30	0.12	30	0.01
Kd of Pa-231 in Contaminated Zone	70	0.02	71	0.00	17	0.22	18	0.03
Kd of Pa-231 in Unsaturated Zone 1	47	-0.08	52	-0.02	20	0.19	20	0.02
Kd of Pa-231 in Saturated Zone	56	-0.06	51	-0.02	38	0.10	38	0.01
Kd of Pb-210 in Contaminated Zone	71	-0.01	67	-0.01	34	0.11	33	0.01
Kd of Pb-210 in Unsaturated Zone 1	64	0.03	58	0.02	55	0.05	54	0.01
Kd of Pb-210 in Saturated Zone	45	-0.09	22	-0.06	7	0.38	7	0.05
Kd of Pu-239 in Contaminated Zone	44	-0.09	39	-0.04	4	0.45	4	0.06
Kd of Pu-239 in Unsaturated Zone 1	59	-0.05	59	-0.01	37	0.10	37	0.01
Kd of Pu-239 in Saturated Zone	50	-0.08	26	-0.05	41	0.09	41	0.01
Kd of Ra-226 in Contaminated Zone	39	-0.11	38	-0.04	49	-0.07	49	-0.01
Kd of Ra-226 in Unsaturated Zone 1	12	0.28	11	0.09	73	0.00	73	0.00
Kd of Ra-226 in Saturated Zone	57	0.06	60	0.01	47	-0.07	47	-0.01
Kd of Tc-99 in Saturated Zone	14	0.27	18	0.07	27	-0.14	28	-0.02
Kd of Th-229 in Contaminated Zone	38	0.12	15	0.08	51	0.06	52	0.01
Kd of Th-229 in Unsaturated Zone 1	72	0.01	72	0.00	40	0.09	40	0.01
Kd of Th-229 in Saturated Zone	40	0.11	43	0.03	66	0.01	66	0.00
Kd of Th-230 in Contaminated Zone	35	0.14	23	0.06	15	-0.25	15	-0.03
Kd of Th-230 in Unsaturated Zone 1	29	0.18	30	0.05	62	-0.03	63	0.00
Kd of Th-230 in Saturated Zone	3	-0.45	3	-0.15	22	0.17	22	0.02
Kd of U-233 in Saturated Zone	6	-0.35	10	-0.09	57	-0.05	57	-0.01
Kd of U-234 in Saturated Zone	61	0.05	62	0.01	59	-0.04	59	-0.01
Kd of U-235 in Saturated Zone	63	0.04	64	0.01	9	-0.34	9	-0.04
Kd of U-238 in Saturated Zone	26	0.18	35	0.04	23	0.17	23	0.02
Plant transfer factor for Ac	51	-0.08	45	-0.03	64	0.02	64	0.00
Meat transfer factor for Ac	30	0.17	27	0.05	50	0.06	50	0.01
Milk transfer factor for Ac	10	0.31	12	0.09	24	0.17	25	0.02
Fish transfer factor for Ac	68	-0.02	68	-0.01	25	-0.16	24	-0.02
Plant transfer factor for Pb	43	-0.10	47	-0.02	11	0.30	10	0.04
Meat transfer factor for Pb	60	0.05	63	0.01	36	0.10	36	0.01
Milk transfer factor for Pb	28	-0.18	34	-0.04	58	-0.04	58	-0.01
Fish transfer factor for Pb	11	0.30	8	0.10	18	-0.22	17	-0.03
Plant transfer factor for Np	20	0.23	24	0.06	71	0.00	71	0.00
Meat transfer factor for Np	18	0.26	17	0.07	14	0.25	14	0.03
Milk transfer factor for Np	55	-0.07	55	-0.02	65	0.02	65	0.00
Fish transfer factor for Np	27	0.18	32	0.05	45	0.08	45	0.01
Plant transfer factor for Pu	21	0.22	25	0.05	8	-0.38	8	-0.05
Meat transfer factor for Pu	32	0.16	37	0.04	10	-0.31	11	-0.04
Milk transfer factor for Pu	16	0.27	21	0.06	12	-0.30	13	-0.04
Fish transfer factor for Pu	58	0.06	57	0.02	53	0.06	53	0.01
Plant transfer factor for Pa	34	0.14	33	0.04	28	0.14	27	0.02
Meat transfer factor for Pa	69	-0.02	70	-0.01	39	-0.09	39	-0.01
Milk transfer factor for Pa	17	-0.26	14	-0.09	48	-0.07	48	-0.01
Fish transfer factor for Pa	49	-0.08	50	-0.02	61	-0.04	61	0.00
Plant transfer factor for Ra	4	0.42	4	0.13	26	-0.16	26	-0.02
Meat transfer factor for Ra	22	-0.20	29	-0.05	31	-0.11	31	-0.01
Milk transfer factor for Ra	9	-0.31	13	-0.09	67	-0.01	67	0.00
Fish transfer factor for Ra	7	-0.35	7	-0.11	63	0.03	62	0.00
Plant transfer factor for Tc	13	0.28	6	0.12	35	0.11	34	0.01
Meat transfer factor for Tc	66	-0.03	65	-0.01	13	0.29	12	0.04
Milk transfer factor for Tc	67	0.02	69	0.01	46	-0.07	46	-0.01
Fish transfer factor for Tc	52	-0.08	49	-0.02	19	-0.19	19	-0.02
Plant transfer factor for Th	33	0.15	40	0.04	44	0.09	43	0.01
Meat transfer factor for Th	23	-0.20	19	-0.07	52	-0.06	51	-0.01
Milk transfer factor for Th	46	0.09	48	0.02	60	-0.04	60	0.00
Fish transfer factor for Th	65	0.03	66	0.01	54	-0.05	55	-0.01
Plant transfer factor for U	24	-0.20	31	-0.05	3	0.48	3	0.07
Meat transfer factor for U	1	0.96	1	0.84	1	0.99	1	0.84
Milk transfer factor for U	37	-0.13	42	-0.03	43	-0.09	44	-0.01
Fish transfer factor for U	31	0.16	36	0.04	29	-0.12	29	-0.01
Well pumping rate	73	0.00	73	0.00	16	0.22	16	0.03
Inhalation rate	36	-0.14	41	-0.04	42	-0.09	42	-0.01
Indoor dust filtration factor	25	-0.20	28	-0.05	69	-0.01	69	0.00
Depth of soil mixing layer	2	-0.86	2	-0.42	2	-0.97	2	-0.49
Depth of roots	62	-0.05	61	-0.01	6	-0.43	6	-0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	54	-0.07	54	-0.02	68	0.01	68	0.00
Weathering removal constant of all vegetation	19	-0.25	20	-0.07	5	0.44	5	0.06
Wet foliar interception fraction of leafy vegetables	53	0.07	56	0.02	21	-0.18	21	-0.02

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 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	48	-0.09	40	-0.03	32	-0.19	32	-0.02
Kd of Ac-227 in Unsaturated Zone 1	66	0.02	66	0.00	56	0.07	56	0.01
Kd of Ac-227 in Saturated Zone	72	0.00	71	0.00	27	-0.21	27	-0.02
Kd of Np-237 in Contaminated Zone	12	0.34	10	0.12	30	0.20	30	0.02
Kd of Np-237 in Unsaturated Zone 1	44	-0.10	38	-0.03	18	-0.30	18	-0.03
Kd of Np-237 in Saturated Zone	20	-0.23	17	-0.06	4	-0.39	4	-0.04
Kd of Pa-231 in Contaminated Zone	11	-0.35	5	-0.32	69	-0.01	69	0.00
Kd of Pa-231 in Unsaturated Zone 1	10	-0.35	7	-0.15	53	0.07	53	0.01
Kd of Pa-231 in Saturated Zone	46	0.10	16	0.06	33	-0.18	33	-0.02
Kd of Pb-210 in Contaminated Zone	43	-0.10	42	-0.03	3	0.42	3	0.05
Kd of Pb-210 in Unsaturated Zone 1	19	0.25	21	0.06	59	0.05	59	0.01
Kd of Pb-210 in Saturated Zone	26	0.19	27	0.05	21	-0.28	21	-0.03
Kd of Pu-239 in Contaminated Zone	38	0.13	47	0.02	29	0.20	29	0.02
Kd of Pu-239 in Unsaturated Zone 1	61	0.04	62	0.01	20	0.28	20	0.03
Kd of Pu-239 in Saturated Zone	29	-0.18	36	-0.04	67	0.02	67	0.00
Kd of Ra-226 in Contaminated Zone	9	0.35	14	0.07	13	-0.32	13	-0.04
Kd of Ra-226 in Unsaturated Zone 1	5	0.40	2	0.42	51	-0.09	51	-0.01
Kd of Ra-226 in Saturated Zone	24	0.20	33	0.04	24	-0.23	23	-0.02
Kd of Tc-99 in Saturated Zone	25	0.20	30	0.04	8	0.36	9	0.04
Kd of Th-229 in Contaminated Zone	30	0.18	23	0.05	38	-0.16	38	-0.02
Kd of Th-229 in Unsaturated Zone 1	28	0.19	18	0.06	46	0.11	46	0.01
Kd of Th-229 in Saturated Zone	42	0.11	28	0.04	45	-0.11	45	-0.01
Kd of Th-230 in Contaminated Zone	4	0.42	4	0.36	23	0.23	24	0.02
Kd of Th-230 in Unsaturated Zone 1	6	-0.39	3	-0.41	54	0.07	55	0.01
Kd of Th-230 in Saturated Zone	53	-0.07	48	-0.02	14	-0.32	14	-0.03
Kd of U-233 in Saturated Zone	36	-0.14	43	-0.03	37	0.16	37	0.02
Kd of U-234 in Saturated Zone	59	0.05	57	0.01	25	0.23	25	0.02
Kd of U-235 in Saturated Zone	68	-0.01	69	0.00	48	0.10	48	0.01
Kd of U-238 in Saturated Zone	62	-0.03	58	-0.01	65	0.03	65	0.00
Plant transfer factor for Ac	16	0.27	19	0.06	62	-0.04	62	0.00
Meat transfer factor for Ac	49	-0.09	50	-0.02	49	-0.10	49	-0.01
Milk transfer factor for Ac	7	-0.38	13	-0.08	17	0.30	17	0.03
Fish transfer factor for Ac	50	-0.08	52	-0.02	44	-0.12	44	-0.01
Plant transfer factor for Pb	3	0.45	9	0.12	28	-0.21	28	-0.02
Meat transfer factor for Pb	71	0.00	72	0.00	72	0.00	72	0.00
Milk transfer factor for Pb	65	-0.02	65	0.00	22	0.27	22	0.03
Fish transfer factor for Pb	17	-0.26	20	-0.06	19	-0.28	19	-0.03
Plant transfer factor for Np	73	0.00	73	0.00	57	-0.06	57	-0.01
Meat transfer factor for Np	47	0.10	45	0.02	71	-0.01	71	0.00
Milk transfer factor for Np	22	-0.20	32	-0.04	43	-0.12	43	-0.01
Fish transfer factor for Np	64	0.02	63	0.01	11	-0.35	12	-0.04
Plant transfer factor for Pu	33	-0.16	25	-0.05	63	-0.03	63	0.00
Meat transfer factor for Pu	69	0.01	68	0.00	26	-0.22	26	-0.02
Milk transfer factor for Pu	18	-0.25	26	-0.05	7	-0.37	7	-0.04
Fish transfer factor for Pu	35	-0.14	34	-0.04	68	-0.02	68	0.00
Plant transfer factor for Pa	41	0.12	35	0.04	47	0.10	47	0.01
Meat transfer factor for Pa	39	-0.12	46	-0.02	50	-0.10	50	-0.01
Milk transfer factor for Pa	8	0.37	8	0.13	39	0.16	39	0.02
Fish transfer factor for Pa	15	0.30	15	0.06	40	0.14	40	0.02
Plant transfer factor for Ra	14	-0.33	11	-0.09	5	0.38	5	0.04
Meat transfer factor for Ra	63	0.03	64	0.01	15	0.31	15	0.03
Milk transfer factor for Ra	56	0.06	53	0.02	16	-0.30	16	-0.03
Fish transfer factor for Ra	40	0.12	39	0.03	12	-0.35	10	-0.04
Plant transfer factor for Tc	27	-0.19	24	-0.05	66	0.03	66	0.00
Meat transfer factor for Tc	57	0.05	60	0.01	41	0.14	41	0.01
Milk transfer factor for Tc	23	-0.20	22	-0.05	9	0.36	8	0.04
Fish transfer factor for Tc	67	-0.01	67	0.00	31	0.20	31	0.02
Plant transfer factor for Th	31	-0.17	31	-0.04	73	0.00	73	0.00
Meat transfer factor for Th	37	0.13	44	0.02	6	0.37	6	0.04
Milk transfer factor for Th	51	0.08	54	0.02	52	-0.09	52	-0.01
Fish transfer factor for Th	21	0.21	29	0.04	34	0.18	34	0.02
Plant transfer factor for U	34	-0.15	41	-0.03	42	0.13	42	0.01
Meat transfer factor for U	1	0.97	1	0.91	1	0.99	1	0.87
Milk transfer factor for U	55	-0.07	51	-0.02	10	0.35	11	0.04
Fish transfer factor for U	70	-0.01	70	0.00	36	-0.17	36	-0.02
Well pumping rate	13	0.34	12	0.08	61	0.04	61	0.00
Inhalation rate	60	0.05	61	0.01	35	-0.17	35	-0.02
Indoor dust filtration factor	52	0.07	55	0.01	55	-0.07	54	-0.01
Depth of soil mixing layer	2	-0.84	6	-0.29	2	-0.97	2	-0.45
Depth of roots	32	-0.17	37	-0.03	64	-0.03	64	0.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	58	-0.05	59	-0.01	60	0.04	60	0.00
Weathering removal constant of all vegetation	45	-0.10	49	-0.02	58	0.06	58	0.01
Wet foliar interception fraction of leafy vegetables	54	0.07	56	0.01	70	0.01	70	0.00

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 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	13	-0.28	15	-0.08	21	0.17	21	0.03
Kd of Ac-227 in Unsaturated Zone 1	22	0.19	11	0.09	34	0.12	34	0.02
Kd of Ac-227 in Saturated Zone	19	0.22	19	0.07	19	0.19	19	0.03
Kd of Np-237 in Contaminated Zone	59	0.04	57	0.02	27	0.13	26	0.02
Kd of Np-237 in Unsaturated Zone 1	73	0.00	73	0.00	26	0.14	27	0.02
Kd of Np-237 in Saturated Zone	62	0.03	64	0.01	31	-0.12	31	-0.02
Kd of Pa-231 in Contaminated Zone	4	-0.45	4	-0.18	64	0.03	64	0.00
Kd of Pa-231 in Unsaturated Zone 1	50	-0.07	54	-0.02	69	-0.01	69	0.00
Kd of Pa-231 in Saturated Zone	70	0.01	70	0.00	60	-0.04	60	-0.01
Kd of Pb-210 in Contaminated Zone	33	0.14	5	0.16	44	-0.08	44	-0.01
Kd of Pb-210 in Unsaturated Zone 1	34	0.13	37	0.03	33	-0.12	33	-0.02
Kd of Pb-210 in Saturated Zone	27	-0.17	26	-0.05	61	-0.04	61	-0.01
Kd of Pu-239 in Contaminated Zone	31	-0.15	32	-0.04	28	0.13	28	0.02
Kd of Pu-239 in Unsaturated Zone 1	60	0.04	56	0.02	63	0.03	63	0.00
Kd of Pu-239 in Saturated Zone	30	0.15	34	0.04	51	-0.05	51	-0.01
Kd of Ra-226 in Contaminated Zone	52	-0.07	53	-0.02	11	0.25	12	0.04
Kd of Ra-226 in Unsaturated Zone 1	68	0.01	68	0.00	45	-0.07	46	-0.01
Kd of Ra-226 in Saturated Zone	20	0.22	18	0.08	30	-0.13	30	-0.02
Kd of Tc-99 in Saturated Zone	44	-0.09	6	-0.11	54	-0.05	54	-0.01
Kd of Th-229 in Contaminated Zone	71	0.00	71	0.00	66	-0.02	66	0.00
Kd of Th-229 in Unsaturated Zone 1	16	-0.25	20	-0.07	10	0.25	10	0.04
Kd of Th-229 in Saturated Zone	9	0.34	7	0.11	52	0.05	53	0.01
Kd of Th-230 in Contaminated Zone	39	-0.11	44	-0.03	17	0.20	17	0.03
Kd of Th-230 in Unsaturated Zone 1	63	0.02	62	0.01	42	-0.09	42	-0.01
Kd of Th-230 in Saturated Zone	42	0.10	35	0.03	18	-0.19	18	-0.03
Kd of U-233 in Saturated Zone	54	-0.06	50	-0.02	16	-0.20	16	-0.03
Kd of U-234 in Saturated Zone	32	-0.14	33	-0.04	65	0.02	65	0.00
Kd of U-235 in Saturated Zone	66	-0.02	63	-0.01	73	0.00	73	0.00
Kd of U-238 in Saturated Zone	45	0.09	41	0.03	57	-0.04	58	-0.01
Plant transfer factor for Ac	57	-0.05	58	-0.01	59	-0.04	59	-0.01
Meat transfer factor for Ac	53	0.07	48	0.02	68	-0.01	68	0.00
Milk transfer factor for Ac	49	0.07	52	0.02	15	0.21	15	0.03
Fish transfer factor for Ac	58	-0.05	60	-0.01	8	-0.28	8	-0.04
Plant transfer factor for Pb	29	-0.15	31	-0.04	13	0.23	13	0.03
Meat transfer factor for Pb	56	0.06	59	0.01	39	-0.10	39	-0.01
Milk transfer factor for Pb	5	0.37	8	0.10	36	-0.10	37	-0.01
Fish transfer factor for Pb	36	-0.12	43	-0.03	53	0.05	52	0.01
Plant transfer factor for Np	17	-0.23	21	-0.06	37	-0.10	36	-0.01
Meat transfer factor for Np	41	0.11	40	0.03	24	-0.16	24	-0.02
Milk transfer factor for Np	3	0.50	3	0.18	62	-0.03	62	0.00
Fish transfer factor for Np	37	0.11	39	0.03	25	0.16	25	0.02
Plant transfer factor for Pu	7	-0.36	9	-0.10	41	-0.09	41	-0.01
Meat transfer factor for Pu	65	-0.02	66	-0.01	14	0.22	14	0.03
Milk transfer factor for Pu	69	0.01	69	0.00	22	0.17	22	0.02
Fish transfer factor for Pu	61	-0.03	61	-0.01	20	0.18	20	0.03
Plant transfer factor for Pa	15	0.25	22	0.06	58	0.04	57	0.01
Meat transfer factor for Pa	47	-0.08	42	-0.03	46	-0.07	45	-0.01
Milk transfer factor for Pa	25	0.18	29	0.04	72	0.00	72	0.00
Fish transfer factor for Pa	11	-0.31	17	-0.08	70	-0.01	70	0.00
Plant transfer factor for Ra	46	-0.08	45	-0.02	67	-0.01	67	0.00
Meat transfer factor for Ra	35	-0.12	36	-0.03	43	0.08	43	0.01
Milk transfer factor for Ra	43	0.09	47	0.02	48	-0.06	48	-0.01
Fish transfer factor for Ra	21	0.20	24	0.05	23	-0.16	23	-0.02
Plant transfer factor for Tc	55	0.06	55	0.02	29	0.13	29	0.02
Meat transfer factor for Tc	28	-0.16	25	-0.05	55	0.04	55	0.01
Milk transfer factor for Tc	51	-0.07	51	-0.02	3	0.43	3	0.07
Fish transfer factor for Tc	18	-0.22	23	-0.06	40	0.09	40	0.01
Plant transfer factor for Th	24	-0.18	27	-0.05	47	-0.07	47	-0.01
Meat transfer factor for Th	48	-0.08	49	-0.02	12	-0.24	11	-0.04
Milk transfer factor for Th	64	-0.02	65	-0.01	5	0.32	5	0.05
Fish transfer factor for Th	26	0.17	28	0.05	50	0.06	50	0.01
Plant transfer factor for U	12	-0.31	16	-0.08	7	0.29	7	0.04
Meat transfer factor for U	72	0.00	72	0.00	6	-0.31	6	-0.05
Milk transfer factor for U	1	0.96	1	0.83	1	0.98	1	0.80
Fish transfer factor for U	6	-0.36	12	-0.09	56	0.04	56	0.01
Well pumping rate	10	0.33	13	0.09	49	0.06	49	0.01
Inhalation rate	14	0.26	14	0.08	38	0.10	38	0.01
Indoor dust filtration factor	23	-0.18	30	-0.04	9	0.25	9	0.04
Depth of soil mixing layer	2	-0.87	2	-0.46	2	-0.97	2	-0.54
Depth of roots	38	-0.11	38	-0.03	4	-0.41	4	-0.07
Wet weight crop yield of fruit, grain and non-leafy vegetables	67	-0.01	67	0.00	35	0.11	35	0.02
Weathering removal constant of all vegetation	8	-0.36	10	-0.09	32	0.12	32	0.02
Wet foliar interception fraction of leafy vegetables	40	0.11	46	0.02	71	-0.01	71	0.00

R-SQUARE 0.97 0.97 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 (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	33	-0.12	38	-0.04	12	-0.35	13	-0.04
Kd of Ac-227 in Unsaturated Zone 1	7	0.37	8	0.17	56	-0.06	56	-0.01
Kd of Ac-227 in Saturated Zone	24	0.15	25	0.05	42	0.14	42	0.02
Kd of Np-237 in Contaminated Zone	68	-0.01	68	0.00	43	-0.13	44	-0.02
Kd of Np-237 in Unsaturated Zone 1	21	0.16	32	0.04	68	0.01	68	0.00
Kd of Np-237 in Saturated Zone	38	-0.11	42	-0.03	40	-0.16	40	-0.02
Kd of Pa-231 in Contaminated Zone	40	-0.10	48	-0.03	64	0.04	64	0.00
Kd of Pa-231 in Unsaturated Zone 1	58	-0.05	59	-0.01	30	0.21	30	0.03
Kd of Pa-231 in Saturated Zone	18	-0.18	16	-0.08	41	0.14	41	0.02
Kd of Pb-210 in Contaminated Zone	6	-0.37	3	-0.34	44	0.13	43	0.02
Kd of Pb-210 in Unsaturated Zone 1	43	0.10	21	0.06	38	0.17	38	0.02
Kd of Pb-210 in Saturated Zone	9	0.30	4	0.27	51	0.08	51	0.01
Kd of Pu-239 in Contaminated Zone	11	-0.22	11	-0.13	18	0.31	18	0.04
Kd of Pu-239 in Unsaturated Zone 1	72	0.00	72	0.00	62	0.05	62	0.01
Kd of Pu-239 in Saturated Zone	44	-0.10	14	-0.08	45	-0.13	45	-0.02
Kd of Ra-226 in Contaminated Zone	48	-0.09	36	-0.04	50	0.09	50	0.01
Kd of Ra-226 in Unsaturated Zone 1	67	-0.01	66	-0.01	37	-0.18	37	-0.02
Kd of Ra-226 in Saturated Zone	20	0.16	27	0.05	25	0.23	25	0.03
Kd of Tc-99 in Saturated Zone	62	0.04	62	0.01	10	0.36	10	0.05
Kd of Th-229 in Contaminated Zone	14	0.20	7	0.18	23	0.24	23	0.03
Kd of Th-229 in Unsaturated Zone 1	19	-0.17	18	-0.07	67	-0.02	67	0.00
Kd of Th-229 in Saturated Zone	25	0.14	29	0.05	14	0.34	14	0.04
Kd of Th-230 in Contaminated Zone	10	0.28	10	0.15	20	0.29	20	0.04
Kd of Th-230 in Unsaturated Zone 1	31	-0.12	34	-0.04	59	-0.05	59	-0.01
Kd of Th-230 in Saturated Zone	23	-0.15	22	-0.06	73	0.00	73	0.00
Kd of U-233 in Saturated Zone	63	-0.03	63	-0.01	32	0.20	32	0.03
Kd of U-234 in Saturated Zone	36	0.11	40	0.04	27	0.22	26	0.03
Kd of U-235 in Saturated Zone	42	0.10	44	0.03	70	0.01	70	0.00
Kd of U-238 in Saturated Zone	50	0.08	52	0.02	66	0.03	66	0.00
Plant transfer factor for Ac	16	-0.20	13	-0.09	57	0.06	57	0.01
Meat transfer factor for Ac	13	0.21	15	0.08	58	-0.06	58	-0.01
Milk transfer factor for Ac	71	-0.01	70	0.00	26	-0.22	27	-0.03
Fish transfer factor for Ac	28	-0.14	26	-0.05	55	-0.06	55	-0.01
Plant transfer factor for Pb	47	0.09	49	0.03	72	0.00	72	0.00
Meat transfer factor for Pb	60	-0.04	61	-0.01	53	-0.07	53	-0.01
Milk transfer factor for Pb	56	-0.06	57	-0.02	46	0.12	46	0.02
Fish transfer factor for Pb	46	0.09	37	0.04	22	-0.28	22	-0.04
Plant transfer factor for Np	35	-0.12	39	-0.04	71	0.01	71	0.00
Meat transfer factor for Np	55	-0.06	55	-0.02	36	-0.18	36	-0.02
Milk transfer factor for Np	54	-0.06	54	-0.02	31	0.20	31	0.03
Fish transfer factor for Np	51	-0.08	50	-0.02	60	-0.05	60	-0.01
Plant transfer factor for Pu	15	0.20	20	0.06	63	0.05	63	0.01
Meat transfer factor for Pu	45	-0.09	47	-0.03	9	-0.40	9	-0.05
Milk transfer factor for Pu	66	-0.02	67	0.00	7	-0.41	7	-0.05
Fish transfer factor for Pu	29	0.13	28	0.05	16	0.33	16	0.04
Plant transfer factor for Pa	5	0.38	9	0.16	21	-0.28	21	-0.04
Meat transfer factor for Pa	64	0.03	64	0.01	69	0.01	69	0.00
Milk transfer factor for Pa	49	0.08	43	0.03	15	-0.34	15	-0.04
Fish transfer factor for Pa	26	0.14	30	0.05	5	0.48	5	0.07
Plant transfer factor for Ra	61	0.04	60	0.01	29	0.21	29	0.03
Meat transfer factor for Ra	27	-0.14	33	-0.04	39	-0.16	39	-0.02
Milk transfer factor for Ra	22	-0.15	24	-0.05	47	0.11	47	0.01
Fish transfer factor for Ra	34	0.12	31	0.05	13	0.34	12	0.05
Plant transfer factor for Tc	4	0.39	5	0.21	3	0.58	3	0.09
Meat transfer factor for Tc	59	0.04	56	0.02	54	0.06	54	0.01
Milk transfer factor for Tc	73	0.00	73	0.00	4	0.52	4	0.07
Fish transfer factor for Tc	17	-0.19	17	-0.07	34	-0.19	35	-0.02
Plant transfer factor for Th	65	-0.03	65	-0.01	17	-0.31	17	-0.04
Meat transfer factor for Th	32	-0.12	23	-0.05	52	0.08	52	0.01
Milk transfer factor for Th	30	0.13	35	0.04	35	-0.19	34	-0.02
Fish transfer factor for Th	53	-0.07	53	-0.02	28	-0.21	28	-0.03
Plant transfer factor for U	41	-0.10	46	-0.03	8	-0.40	8	-0.05
Meat transfer factor for U	12	-0.21	19	-0.07	48	-0.11	48	-0.01
Milk transfer factor for U	1	0.93	1	0.76	1	0.99	1	0.79
Fish transfer factor for U	52	-0.07	51	-0.02	19	0.30	19	0.04
Well pumping rate	39	-0.10	45	-0.03	24	0.23	24	0.03
Inhalation rate	8	-0.33	12	-0.12	33	-0.20	33	-0.02
Indoor dust filtration factor	37	-0.11	41	-0.04	49	0.10	49	0.01
Depth of soil mixing layer	2	-0.84	2	-0.48	2	-0.98	2	-0.55
Depth of roots	3	-0.50	6	-0.20	6	-0.46	6	-0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	57	0.05	58	0.02	61	-0.05	61	-0.01
Weathering removal constant of all vegetation	70	0.01	71	0.00	65	-0.04	65	0.00
Wet foliar interception fraction of leafy vegetables	69	-0.01	69	0.00	11	-0.35	11	-0.05

R-SQUARE 0.95 0.95 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		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone		18	0.23	15	0.11	62	0.02	62	0.00
Kd of Ac-227 in Unsaturated Zone 1		60	0.06	61	0.02	63	-0.02	63	0.00
Kd of Ac-227 in Saturated Zone		19	0.23	22	0.08	23	-0.17	24	-0.02
Kd of Np-237 in Contaminated Zone		59	-0.07	54	-0.03	56	-0.06	56	-0.01
Kd of Np-237 in Unsaturated Zone 1		23	0.21	18	0.10	55	-0.06	55	-0.01
Kd of Np-237 in Saturated Zone		51	0.11	44	0.04	7	-0.32	8	-0.05
Kd of Pa-231 in Contaminated Zone		68	0.02	57	0.02	68	-0.01	68	0.00
Kd of Pa-231 in Unsaturated Zone 1		54	-0.10	37	-0.05	59	0.04	59	0.01
Kd of Pa-231 in Saturated Zone		71	-0.01	67	-0.01	15	-0.22	15	-0.03
Kd of Pb-210 in Contaminated Zone		10	-0.31	10	-0.12	65	0.01	65	0.00
Kd of Pb-210 in Unsaturated Zone 1		3	-0.52	6	-0.18	57	0.06	57	0.01
Kd of Pb-210 in Saturated Zone		40	0.15	41	0.05	34	-0.12	34	-0.02
Kd of Pu-239 in Contaminated Zone		41	-0.14	51	-0.04	21	0.19	21	0.03
Kd of Pu-239 in Unsaturated Zone 1		53	0.10	56	0.03	66	-0.01	66	0.00
Kd of Pu-239 in Saturated Zone		22	0.21	32	0.06	53	-0.07	54	-0.01
Kd of Ra-226 in Contaminated Zone		12	0.31	19	0.09	60	0.04	60	0.01
Kd of Ra-226 in Unsaturated Zone 1		13	0.31	4	0.44	31	0.14	31	0.02
Kd of Ra-226 in Saturated Zone		67	-0.02	70	-0.01	22	0.18	22	0.03
Kd of Tc-99 in Saturated Zone		31	0.19	35	0.06	48	-0.08	48	-0.01
Kd of Th-229 in Contaminated Zone		4	0.43	5	0.19	19	-0.20	20	-0.03
Kd of Th-229 in Unsaturated Zone 1		36	0.17	25	0.08	41	-0.09	41	-0.01
Kd of Th-229 in Saturated Zone		29	0.19	14	0.11	69	-0.01	69	0.00
Kd of Th-230 in Contaminated Zone		69	0.02	63	0.02	26	-0.15	26	-0.02
Kd of Th-230 in Unsaturated Zone 1		9	-0.32	3	-0.46	14	0.25	14	0.04
Kd of Th-230 in Saturated Zone		16	-0.28	9	-0.13	33	0.13	33	0.02
Kd of U-233 in Saturated Zone		42	-0.14	47	-0.04	18	-0.21	18	-0.03
Kd of U-234 in Saturated Zone		64	0.04	64	0.02	70	0.01	70	0.00
Kd of U-235 in Saturated Zone		46	0.13	49	0.04	40	0.09	40	0.01
Kd of U-238 in Saturated Zone		33	0.19	21	0.09	49	0.07	49	0.01
Plant transfer factor for Ac		44	0.14	46	0.04	72	0.00	72	0.00
Meat transfer factor for Ac		37	-0.16	42	-0.05	46	-0.08	45	-0.01
Milk transfer factor for Ac		70	-0.02	71	0.00	58	0.05	58	0.01
Fish transfer factor for Ac		61	0.05	65	0.02	43	0.08	44	0.01
Plant transfer factor for Pb		15	0.29	17	0.10	11	-0.30	11	-0.04
Meat transfer factor for Pb		34	-0.18	39	-0.05	9	-0.31	9	-0.05
Milk transfer factor for Pb		66	0.03	69	0.01	38	-0.10	38	-0.01
Fish transfer factor for Pb		35	0.18	38	0.05	67	-0.01	67	0.00
Plant transfer factor for Np		49	-0.12	30	-0.07	39	0.09	39	0.01
Meat transfer factor for Np		25	0.20	29	0.07	73	0.00	73	0.00
Milk transfer factor for Np		73	0.00	73	0.00	8	-0.32	7	-0.05
Fish transfer factor for Np		62	-0.05	60	-0.02	47	0.08	47	0.01
Plant transfer factor for Pu		65	-0.03	66	-0.01	29	-0.14	29	-0.02
Meat transfer factor for Pu		52	0.10	53	0.03	13	0.27	13	0.04
Milk transfer factor for Pu		58	0.07	62	0.02	32	-0.14	32	-0.02
Fish transfer factor for Pu		11	0.31	12	0.12	45	-0.08	46	-0.01
Plant transfer factor for Pa		27	-0.20	20	-0.09	54	0.06	53	0.01
Meat transfer factor for Pa		56	0.08	59	0.02	24	-0.17	23	-0.02
Milk transfer factor for Pa		45	0.14	31	0.06	28	0.15	28	0.02
Fish transfer factor for Pa		17	-0.26	24	-0.08	35	0.11	35	0.02
Plant transfer factor for Ra		14	-0.29	16	-0.11	12	-0.30	12	-0.04
Meat transfer factor for Ra		55	0.10	55	0.03	27	-0.15	27	-0.02
Milk transfer factor for Ra		38	-0.16	33	-0.06	20	0.20	19	0.03
Fish transfer factor for Ra		21	0.23	23	0.08	44	-0.08	43	-0.01
Plant transfer factor for Tc		8	0.37	7	0.15	3	0.48	4	0.08
Meat transfer factor for Tc		30	0.19	40	0.05	17	-0.21	17	-0.03
Milk transfer factor for Tc		24	-0.21	26	-0.08	4	0.47	3	0.08
Fish transfer factor for Tc		57	0.07	58	0.02	25	0.16	25	0.02
Plant transfer factor for Th		26	-0.20	27	-0.07	42	0.09	42	0.01
Meat transfer factor for Th		5	0.42	13	0.12	37	0.10	37	0.01
Milk transfer factor for Th		48	-0.13	48	-0.04	6	-0.36	6	-0.05
Fish transfer factor for Th		32	0.19	36	0.05	10	-0.31	10	-0.05
Plant transfer factor for U		47	0.13	50	0.04	36	0.11	36	0.02
Meat transfer factor for U		50	0.12	52	0.03	51	0.07	51	0.01
Milk transfer factor for U		1	0.93	1	0.91	1	0.99	1	0.80
Fish transfer factor for U		63	-0.04	68	-0.01	64	-0.01	64	0.00
Well pumping rate		6	0.40	8	0.13	50	-0.07	50	-0.01
Inhalation rate		20	-0.23	28	-0.07	61	0.03	61	0.00
Indoor dust filtration factor		72	0.00	72	0.00	71	0.00	71	0.00
Depth of soil mixing layer		2	-0.91	2	-0.56	2	-0.97	2	-0.54
Depth of roots		7	-0.40	11	-0.12	5	-0.42	5	-0.07
Wet weight crop yield of fruit, grain and non-leafy vegetables		28	0.20	34	0.06	16	-0.22	16	-0.03
Weathering removal constant of all vegetation		43	0.14	45	0.04	30	0.14	30	0.02
Wet foliar interception fraction of leafy vegetables		39	-0.15	43	-0.04	52	0.07	52	0.01

R-SQUARE 0.96 0.96 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 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	10	-0.38	12	-0.07	71	0.01	71	0.00
Kd of Ac-227 in Unsaturated Zone 1	55	0.09	41	0.03	73	0.00	73	0.00
Kd of Ac-227 in Saturated Zone	30	-0.21	27	-0.04	68	-0.02	68	0.00
Kd of Np-237 in Contaminated Zone	62	0.07	59	0.02	5	0.28	5	0.03
Kd of Np-237 in Unsaturated Zone 1	41	-0.16	44	-0.03	69	0.02	69	0.00
Kd of Np-237 in Saturated Zone	43	-0.13	49	-0.02	62	-0.04	62	0.00
Kd of Pa-231 in Contaminated Zone	65	0.06	60	0.01	19	-0.22	19	-0.02
Kd of Pa-231 in Unsaturated Zone 1	28	0.21	35	0.03	70	-0.02	70	0.00
Kd of Pa-231 in Saturated Zone	71	0.03	71	0.00	44	0.11	44	0.01
Kd of Pb-210 in Contaminated Zone	63	-0.07	21	-0.05	53	-0.07	53	-0.01
Kd of Pb-210 in Unsaturated Zone 1	59	0.08	64	0.01	31	-0.17	31	-0.02
Kd of Pb-210 in Saturated Zone	9	-0.38	11	-0.07	41	-0.13	41	-0.01
Kd of Pu-239 in Contaminated Zone	22	0.25	29	0.04	45	0.11	45	0.01
Kd of Pu-239 in Unsaturated Zone 1	31	-0.20	19	-0.05	55	-0.05	55	0.00
Kd of Pu-239 in Saturated Zone	16	0.31	20	0.05	17	0.24	17	0.02
Kd of Ra-226 in Contaminated Zone	7	-0.41	7	-0.08	39	0.14	39	0.01
Kd of Ra-226 in Unsaturated Zone 1	56	0.09	57	0.02	59	-0.04	59	0.00
Kd of Ra-226 in Saturated Zone	24	-0.22	22	-0.05	49	-0.09	49	-0.01
Kd of Tc-99 in Saturated Zone	53	0.09	10	0.07	7	-0.26	7	-0.02
Kd of Th-229 in Contaminated Zone	57	0.09	48	0.02	47	-0.10	47	-0.01
Kd of Th-229 in Unsaturated Zone 1	45	0.13	46	0.02	8	0.26	9	0.02
Kd of Th-229 in Saturated Zone	36	0.18	34	0.04	25	0.19	26	0.02
Kd of Th-230 in Contaminated Zone	34	-0.19	39	-0.03	22	-0.20	22	-0.02
Kd of Th-230 in Unsaturated Zone 1	32	0.19	28	0.04	14	-0.25	14	-0.02
Kd of Th-230 in Saturated Zone	11	0.37	4	0.09	37	0.16	36	0.01
Kd of U-233 in Saturated Zone	17	-0.31	13	-0.07	23	-0.20	23	-0.02
Kd of U-234 in Saturated Zone	58	-0.08	61	-0.01	66	-0.03	66	0.00
Kd of U-235 in Saturated Zone	67	-0.05	66	-0.01	12	0.25	13	0.02
Kd of U-238 in Saturated Zone	64	0.06	62	0.01	46	0.10	46	0.01
Plant transfer factor for Ac	6	-0.44	6	-0.08	26	-0.19	24	-0.02
Meat transfer factor for Ac	54	0.09	52	0.02	38	0.15	38	0.01
Milk transfer factor for Ac	50	0.11	54	0.02	54	-0.07	54	-0.01
Fish transfer factor for Ac	39	0.17	45	0.03	32	-0.17	32	-0.02
Plant transfer factor for Pb	27	-0.21	31	-0.04	64	0.03	64	0.00
Meat transfer factor for Pb	66	-0.06	67	-0.01	24	0.19	25	0.02
Milk transfer factor for Pb	72	0.02	73	0.00	4	-0.29	4	-0.03
Fish transfer factor for Pb	14	-0.34	17	-0.05	13	-0.25	11	-0.02
Plant transfer factor for Np	35	-0.19	37	-0.03	61	-0.04	61	0.00
Meat transfer factor for Np	15	0.33	16	0.06	30	0.18	30	0.02
Milk transfer factor for Np	13	0.35	9	0.08	3	0.35	3	0.03
Fish transfer factor for Np	68	0.04	68	0.01	11	0.25	10	0.02
Plant transfer factor for Pu	47	0.12	51	0.02	36	0.16	37	0.01
Meat transfer factor for Pu	20	-0.27	23	-0.05	60	-0.04	60	0.00
Milk transfer factor for Pu	37	0.18	40	0.03	48	0.10	48	0.01
Fish transfer factor for Pu	21	0.27	26	0.04	6	0.27	6	0.03
Plant transfer factor for Pa	8	0.40	15	0.06	51	0.08	51	0.01
Meat transfer factor for Pa	29	-0.21	25	-0.04	10	-0.26	12	-0.02
Milk transfer factor for Pa	52	-0.10	56	-0.02	67	0.03	67	0.00
Fish transfer factor for Pa	60	-0.08	63	-0.01	58	0.04	58	0.00
Plant transfer factor for Ra	48	0.11	50	0.02	29	0.18	29	0.02
Meat transfer factor for Ra	49	0.11	55	0.02	35	-0.16	35	-0.01
Milk transfer factor for Ra	70	0.03	70	0.00	43	-0.11	43	-0.01
Fish transfer factor for Ra	23	0.23	32	0.04	33	-0.16	33	-0.01
Plant transfer factor for Tc	46	0.12	47	0.02	56	-0.05	56	0.00
Meat transfer factor for Tc	38	-0.17	36	-0.03	18	-0.23	18	-0.02
Milk transfer factor for Tc	42	-0.14	43	-0.03	27	0.19	27	0.02
Fish transfer factor for Tc	18	-0.31	18	-0.05	40	0.14	40	0.01
Plant transfer factor for Th	5	-0.47	5	-0.09	72	0.01	72	0.00
Meat transfer factor for Th	40	-0.16	42	-0.03	65	0.03	65	0.00
Milk transfer factor for Th	4	0.47	3	0.09	16	0.24	15	0.02
Fish transfer factor for Th	69	-0.03	69	-0.01	9	0.26	8	0.02
Plant transfer factor for U	2	-0.53	2	-0.10	34	0.16	34	0.01
Meat transfer factor for U	44	0.13	53	0.02	28	-0.19	28	-0.02
Milk transfer factor for U	25	0.22	33	0.04	57	-0.05	57	0.00
Fish transfer factor for U	19	-0.28	24	-0.04	52	0.08	52	0.01
Well pumping rate	33	0.19	38	0.03	15	0.24	16	0.02
Inhalation rate	73	0.02	72	0.00	21	0.20	21	0.02
Indoor dust filtration factor	51	0.10	58	0.02	42	0.12	42	0.01
Depth of soil mixing layer	1	-0.99	1	-0.97	1	-1.00	1	-0.98
Depth of roots	12	0.36	14	0.07	20	0.21	20	0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	26	0.22	30	0.04	63	0.03	63	0.00
Weathering removal constant of all vegetation	61	0.07	65	0.01	50	-0.08	50	-0.01
Wet foliar interception fraction of leafy vegetables	3	0.49	8	0.08	2	0.41	2	0.04

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 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	31	0.14	32	0.03	34	0.19	36	0.01
Kd of Ac-227 in Unsaturated Zone 1	33	0.13	27	0.04	59	0.04	59	0.00
Kd of Ac-227 in Saturated Zone	13	0.22	17	0.05	49	0.09	50	0.01
Kd of Np-237 in Contaminated Zone	8	0.29	13	0.06	2	0.53	2	0.05
Kd of Np-237 in Unsaturated Zone 1	71	-0.01	71	0.00	42	0.12	41	0.01
Kd of Np-237 in Saturated Zone	40	-0.10	42	-0.02	4	-0.44	4	-0.04
Kd of Pa-231 in Contaminated Zone	73	0.00	73	0.00	53	0.08	53	0.01
Kd of Pa-231 in Unsaturated Zone 1	24	-0.17	30	-0.03	62	-0.04	62	0.00
Kd of Pa-231 in Saturated Zone	60	0.05	57	0.01	73	0.00	73	0.00
Kd of Pb-210 in Contaminated Zone	28	-0.15	6	-0.08	19	-0.26	19	-0.02
Kd of Pb-210 in Unsaturated Zone 1	69	0.01	67	0.00	6	0.40	6	0.03
Kd of Pb-210 in Saturated Zone	14	0.20	4	0.11	14	-0.30	13	-0.02
Kd of Pu-239 in Contaminated Zone	63	-0.03	60	-0.01	40	0.13	40	0.01
Kd of Pu-239 in Unsaturated Zone 1	62	-0.04	64	-0.01	63	0.04	63	0.00
Kd of Pu-239 in Saturated Zone	25	-0.17	5	-0.09	44	-0.11	45	-0.01
Kd of Ra-226 in Contaminated Zone	18	-0.19	14	-0.06	31	0.21	31	0.02
Kd of Ra-226 in Unsaturated Zone 1	44	0.09	38	0.02	50	-0.09	49	-0.01
Kd of Ra-226 in Saturated Zone	66	0.02	69	0.00	56	0.07	56	0.01
Kd of Tc-99 in Saturated Zone	20	0.19	24	0.04	28	0.22	28	0.02
Kd of Th-229 in Contaminated Zone	2	0.38	2	0.22	3	0.49	3	0.04
Kd of Th-229 in Unsaturated Zone 1	55	0.06	52	0.01	33	0.19	33	0.02
Kd of Th-229 in Saturated Zone	51	0.07	54	0.01	66	0.02	66	0.00
Kd of Th-230 in Contaminated Zone	68	-0.01	68	0.00	60	0.04	60	0.00
Kd of Th-230 in Unsaturated Zone 1	35	0.12	31	0.03	72	0.00	72	0.00
Kd of Th-230 in Saturated Zone	10	-0.29	9	-0.07	29	-0.22	30	-0.02
Kd of U-233 in Saturated Zone	15	-0.20	21	-0.04	52	-0.08	52	-0.01
Kd of U-234 in Saturated Zone	58	0.05	62	0.01	58	0.05	58	0.00
Kd of U-235 in Saturated Zone	47	-0.08	48	-0.02	61	0.04	61	0.00
Kd of U-238 in Saturated Zone	46	-0.09	50	-0.02	64	-0.03	64	0.00
Plant transfer factor for Ac	54	-0.06	49	-0.02	27	-0.22	27	-0.02
Meat transfer factor for Ac	53	0.06	51	0.02	18	0.27	18	0.02
Milk transfer factor for Ac	6	0.32	7	0.08	47	-0.10	47	-0.01
Fish transfer factor for Ac	72	0.00	72	0.00	45	0.11	44	0.01
Plant transfer factor for Pb	16	0.19	20	0.04	24	0.23	24	0.02
Meat transfer factor for Pb	39	0.11	41	0.02	43	0.12	43	0.01
Milk transfer factor for Pb	37	0.11	39	0.02	16	-0.29	16	-0.02
Fish transfer factor for Pb	61	-0.04	58	-0.01	67	0.02	67	0.00
Plant transfer factor for Np	45	-0.09	47	-0.02	46	-0.11	46	-0.01
Meat transfer factor for Np	23	0.17	23	0.04	55	0.07	55	0.01
Milk transfer factor for Np	41	-0.10	40	-0.02	35	0.19	35	0.02
Fish transfer factor for Np	65	-0.03	66	-0.01	32	0.21	32	0.02
Plant transfer factor for Pu	36	0.11	37	0.02	8	-0.33	8	-0.03
Meat transfer factor for Pu	19	-0.19	22	-0.04	5	-0.43	5	-0.04
Milk transfer factor for Pu	50	-0.07	56	-0.01	7	-0.39	7	-0.03
Fish transfer factor for Pu	56	0.06	55	0.01	41	0.12	42	0.01
Plant transfer factor for Pa	11	0.26	11	0.07	71	-0.01	71	0.00
Meat transfer factor for Pa	26	0.16	29	0.03	37	0.18	34	0.02
Milk transfer factor for Pa	48	-0.08	43	-0.02	36	0.19	37	0.01
Fish transfer factor for Pa	34	0.13	34	0.03	13	0.30	14	0.02
Plant transfer factor for Ra	27	0.16	28	0.04	57	-0.05	57	0.00
Meat transfer factor for Ra	4	-0.35	8	-0.08	20	-0.25	20	-0.02
Milk transfer factor for Ra	12	-0.24	16	-0.06	9	-0.32	9	-0.03
Fish transfer factor for Ra	49	-0.08	46	-0.02	51	-0.08	51	-0.01
Plant transfer factor for Tc	3	0.36	3	0.12	22	0.25	21	0.02
Meat transfer factor for Tc	64	0.03	63	0.01	70	0.01	70	0.00
Milk transfer factor for Tc	30	-0.14	33	-0.03	68	-0.02	68	0.00
Fish transfer factor for Tc	67	0.02	65	0.01	23	-0.24	23	-0.02
Plant transfer factor for Th	43	-0.09	44	-0.02	48	0.09	48	0.01
Meat transfer factor for Th	29	-0.15	18	-0.04	15	-0.29	15	-0.02
Milk transfer factor for Th	22	0.18	25	0.04	12	0.30	11	0.03
Fish transfer factor for Th	52	-0.07	53	-0.01	25	-0.23	25	-0.02
Plant transfer factor for U	21	-0.18	26	-0.04	10	0.32	10	0.03
Meat transfer factor for U	42	0.10	45	0.02	17	0.28	17	0.02
Milk transfer factor for U	9	-0.29	15	-0.06	21	0.25	22	0.02
Fish transfer factor for U	5	-0.33	10	-0.07	65	-0.03	65	0.00
Well pumping rate	70	0.01	70	0.00	26	0.23	26	0.02
Inhalation rate	57	-0.06	59	-0.01	38	0.15	38	0.01
Indoor dust filtration factor	7	0.30	12	0.06	39	-0.14	39	-0.01
Depth of soil mixing layer	1	-0.98	1	-0.91	1	-1.00	1	-0.97
Depth of roots	38	-0.11	36	-0.02	30	-0.22	29	-0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	59	0.05	61	0.01	54	0.08	54	0.01
Weathering removal constant of all vegetation	17	-0.19	19	-0.04	11	0.30	12	0.02
Wet foliar interception fraction of leafy vegetables	32	0.14	35	0.02	69	-0.02	69	0.00

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 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	61	0.04	59	0.02	8	0.27	8	0.03
Kd of Ac-227 in Unsaturated Zone 1	27	0.17	27	0.05	44	0.09	44	0.01
Kd of Ac-227 in Saturated Zone	72	-0.01	72	0.00	5	-0.35	5	-0.03
Kd of Np-237 in Contaminated Zone	22	0.18	18	0.07	2	0.43	2	0.04
Kd of Np-237 in Unsaturated Zone 1	14	0.23	8	0.09	63	-0.04	63	0.00
Kd of Np-237 in Saturated Zone	25	-0.17	21	-0.05	12	-0.24	12	-0.02
Kd of Pa-231 in Contaminated Zone	13	-0.23	2	-0.25	13	-0.22	13	-0.02
Kd of Pa-231 in Unsaturated Zone 1	15	-0.22	7	-0.10	6	0.31	6	0.03
Kd of Pa-231 in Saturated Zone	56	0.06	30	0.04	60	-0.04	60	0.00
Kd of Pb-210 in Contaminated Zone	50	-0.07	49	-0.02	15	0.19	15	0.02
Kd of Pb-210 in Unsaturated Zone 1	42	-0.11	45	-0.03	50	0.08	50	0.01
Kd of Pb-210 in Saturated Zone	28	0.16	28	0.05	41	-0.10	41	-0.01
Kd of Pu-239 in Contaminated Zone	57	-0.05	62	-0.01	25	0.14	24	0.01
Kd of Pu-239 in Unsaturated Zone 1	48	-0.08	53	-0.02	4	0.36	4	0.04
Kd of Pu-239 in Saturated Zone	33	-0.15	37	-0.04	34	0.13	34	0.01
Kd of Ra-226 in Contaminated Zone	19	0.20	25	0.05	43	-0.10	43	-0.01
Kd of Ra-226 in Unsaturated Zone 1	24	0.18	4	0.21	26	0.14	26	0.01
Kd of Ra-226 in Saturated Zone	41	0.12	46	0.03	38	-0.10	38	-0.01
Kd of Tc-99 in Saturated Zone	70	-0.01	69	0.00	46	0.09	45	0.01
Kd of Th-229 in Contaminated Zone	10	0.24	13	0.08	39	0.10	39	0.01
Kd of Th-229 in Unsaturated Zone 1	2	0.34	6	0.13	54	-0.06	54	-0.01
Kd of Th-229 in Saturated Zone	63	-0.03	60	-0.01	33	-0.13	33	-0.01
Kd of Th-230 in Contaminated Zone	8	0.25	3	0.23	24	-0.14	25	-0.01
Kd of Th-230 in Unsaturated Zone 1	36	-0.14	5	-0.17	57	0.05	57	0.00
Kd of Th-230 in Saturated Zone	59	-0.05	55	-0.02	10	-0.24	10	-0.02
Kd of U-233 in Saturated Zone	68	-0.01	68	0.00	18	-0.17	19	-0.02
Kd of U-234 in Saturated Zone	45	0.09	42	0.03	28	0.13	28	0.01
Kd of U-235 in Saturated Zone	69	0.01	70	0.00	55	-0.06	55	-0.01
Kd of U-238 in Saturated Zone	49	-0.07	44	-0.03	9	-0.27	9	-0.03
Plant transfer factor for Ac	38	0.14	41	0.03	72	0.00	72	0.00
Meat transfer factor for Ac	47	0.08	52	0.02	20	0.17	18	0.02
Milk transfer factor for Ac	66	0.02	67	0.01	49	0.08	49	0.01
Fish transfer factor for Ac	73	0.00	73	0.00	16	-0.19	16	-0.02
Plant transfer factor for Pb	7	0.27	14	0.08	29	-0.13	29	-0.01
Meat transfer factor for Pb	23	0.18	29	0.04	21	0.17	20	0.02
Milk transfer factor for Pb	65	0.02	65	0.01	67	-0.02	67	0.00
Fish transfer factor for Pb	18	-0.20	24	-0.05	64	0.03	64	0.00
Plant transfer factor for Np	31	0.16	17	0.07	27	0.13	27	0.01
Meat transfer factor for Np	34	0.15	31	0.04	14	0.19	14	0.02
Milk transfer factor for Np	29	-0.16	33	-0.04	36	0.11	36	0.01
Fish transfer factor for Np	60	-0.05	58	-0.02	19	-0.17	21	-0.02
Plant transfer factor for Pu	54	-0.07	48	-0.02	53	0.06	53	0.01
Meat transfer factor for Pu	64	0.03	64	0.01	52	-0.07	52	-0.01
Milk transfer factor for Pu	71	-0.01	71	0.00	17	0.18	17	0.02
Fish transfer factor for Pu	52	0.07	51	0.02	48	0.08	48	0.01
Plant transfer factor for Pa	44	-0.10	38	-0.04	59	-0.04	59	0.00
Meat transfer factor for Pa	26	-0.17	36	-0.04	3	0.36	3	0.04
Milk transfer factor for Pa	17	0.21	12	0.08	71	-0.02	71	0.00
Fish transfer factor for Pa	16	-0.22	22	-0.05	51	-0.07	51	-0.01
Plant transfer factor for Ra	9	-0.24	19	-0.07	58	-0.05	58	0.00
Meat transfer factor for Ra	20	0.19	23	0.05	23	0.15	23	0.01
Milk transfer factor for Ra	32	-0.15	26	-0.05	11	0.24	11	0.02
Fish transfer factor for Ra	5	0.29	9	0.09	61	-0.04	61	0.00
Plant transfer factor for Tc	11	-0.24	16	-0.08	30	-0.13	30	-0.01
Meat transfer factor for Tc	67	0.02	66	0.01	42	0.10	42	0.01
Milk transfer factor for Tc	55	-0.07	54	-0.02	66	0.03	66	0.00
Fish transfer factor for Tc	62	0.04	63	0.01	73	0.00	73	0.00
Plant transfer factor for Th	39	0.13	34	0.04	70	-0.02	70	0.00
Meat transfer factor for Th	21	0.18	32	0.04	62	0.04	62	0.00
Milk transfer factor for Th	53	0.07	57	0.02	65	-0.03	65	0.00
Fish transfer factor for Th	4	0.32	15	0.08	56	-0.05	56	0.00
Plant transfer factor for U	51	-0.07	56	-0.02	32	-0.13	31	-0.01
Meat transfer factor for U	35	0.14	39	0.04	40	0.10	40	0.01
Milk transfer factor for U	6	0.27	10	0.09	45	-0.09	46	-0.01
Fish transfer factor for U	43	0.11	47	0.03	68	0.02	68	0.00
Well pumping rate	3	0.32	11	0.09	35	0.12	35	0.01
Inhalation rate	12	-0.24	20	-0.06	7	-0.31	7	-0.03
Indoor dust filtration factor	40	-0.13	43	-0.03	47	-0.09	47	-0.01
Depth of soil mixing layer	1	-0.97	1	-0.96	1	-1.00	1	-0.98
Depth of roots	30	-0.16	35	-0.04	37	0.10	37	0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	58	0.05	61	0.01	22	0.17	22	0.02
Weathering removal constant of all vegetation	46	-0.09	50	-0.02	69	-0.02	69	0.00
Wet foliar interception fraction of leafy vegetables	37	-0.14	40	-0.04	31	-0.13	32	-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 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	54	-0.08	52	-0.05	15	-0.30	15	-0.10
Kd of Ac-227 in Unsaturated Zone 1	60	-0.04	55	-0.05	33	-0.21	33	-0.07
Kd of Ac-227 in Saturated Zone	27	0.19	24	0.14	46	-0.13	46	-0.04
Kd of Np-237 in Contaminated Zone	16	-0.26	9	-0.22	14	-0.30	14	-0.10
Kd of Np-237 in Unsaturated Zone 1	53	-0.08	54	-0.05	1	-0.91	1	-0.69
Kd of Np-237 in Saturated Zone	5	-0.36	8	-0.22	2	-0.59	2	-0.23
Kd of Pa-231 in Contaminated Zone	38	-0.14	29	-0.12	53	0.09	53	0.03
Kd of Pa-231 in Unsaturated Zone 1	2	0.65	2	0.50	5	-0.41	5	-0.14
Kd of Pa-231 in Saturated Zone	17	-0.26	21	-0.16	47	-0.13	47	-0.04
Kd of Pb-210 in Contaminated Zone	21	-0.20	1	-0.52	55	-0.09	55	-0.03
Kd of Pb-210 in Unsaturated Zone 1	73	0.00	73	0.00	66	-0.03	66	-0.01
Kd of Pb-210 in Saturated Zone	41	0.12	41	0.08	20	0.26	20	0.08
Kd of Pu-239 in Contaminated Zone	64	0.03	65	0.02	65	0.05	65	0.02
Kd of Pu-239 in Unsaturated Zone 1	32	-0.16	23	-0.15	42	-0.15	42	-0.05
Kd of Pu-239 in Saturated Zone	11	0.31	16	0.18	73	0.00	73	0.00
Kd of Ra-226 in Contaminated Zone	9	-0.32	6	-0.22	43	0.15	43	0.05
Kd of Ra-226 in Unsaturated Zone 1	63	0.03	63	0.02	36	-0.18	36	-0.06
Kd of Ra-226 in Saturated Zone	69	-0.02	68	-0.01	31	0.22	31	0.07
Kd of Tc-99 in Saturated Zone	30	0.17	4	0.47	22	0.24	22	0.08
Kd of Th-229 in Contaminated Zone	62	0.04	59	0.03	40	-0.16	41	-0.05
Kd of Th-229 in Unsaturated Zone 1	49	-0.09	49	-0.06	23	-0.24	23	-0.08
Kd of Th-229 in Saturated Zone	50	-0.09	47	-0.06	13	-0.32	13	-0.11
Kd of Th-230 in Contaminated Zone	67	0.02	67	0.01	21	0.25	21	0.08
Kd of Th-230 in Unsaturated Zone 1	43	0.11	39	0.08	9	-0.34	9	-0.11
Kd of Th-230 in Saturated Zone	22	-0.20	19	-0.16	72	0.00	72	0.00
Kd of U-233 in Saturated Zone	65	-0.03	62	-0.02	60	0.06	60	0.02
Kd of U-234 in Saturated Zone	66	-0.03	66	-0.01	28	0.23	27	0.07
Kd of U-235 in Saturated Zone	71	0.01	70	0.01	27	-0.23	28	-0.07
Kd of U-238 in Saturated Zone	70	0.01	69	0.01	8	0.37	8	0.12
Plant transfer factor for Ac	44	-0.11	45	-0.07	25	0.23	25	0.08
Meat transfer factor for Ac	52	-0.08	44	-0.07	61	0.06	61	0.02
Milk transfer factor for Ac	13	-0.29	15	-0.18	70	-0.01	70	0.00
Fish transfer factor for Ac	35	-0.15	40	-0.08	51	-0.11	51	-0.04
Plant transfer factor for Pb	55	-0.07	56	-0.04	44	0.15	44	0.05
Meat transfer factor for Pb	51	-0.09	53	-0.05	18	-0.28	18	-0.09
Milk transfer factor for Pb	14	0.28	18	0.17	67	-0.03	67	-0.01
Fish transfer factor for Pb	56	0.07	58	0.04	19	0.26	19	0.09
Plant transfer factor for Np	46	0.10	48	0.06	37	-0.18	37	-0.06
Meat transfer factor for Np	47	-0.09	50	-0.05	54	0.09	54	0.03
Milk transfer factor for Np	57	-0.05	57	-0.04	41	-0.15	40	-0.05
Fish transfer factor for Np	8	-0.32	12	-0.20	17	-0.28	17	-0.09
Plant transfer factor for Pu	7	-0.33	11	-0.20	35	0.19	35	0.06
Meat transfer factor for Pu	12	0.29	14	0.18	50	-0.11	50	-0.04
Milk transfer factor for Pu	48	-0.09	51	-0.05	64	0.05	64	0.02
Fish transfer factor for Pu	31	0.17	35	0.09	16	0.29	16	0.10
Plant transfer factor for Pa	4	-0.37	10	-0.21	71	0.01	71	0.00
Meat transfer factor for Pa	29	-0.17	26	-0.13	26	-0.23	26	-0.07
Milk transfer factor for Pa	6	-0.35	7	-0.22	49	0.12	49	0.04
Fish transfer factor for Pa	26	0.19	32	0.10	45	-0.14	45	-0.05
Plant transfer factor for Ra	33	-0.15	33	-0.10	38	-0.17	38	-0.05
Meat transfer factor for Ra	25	-0.19	30	-0.11	58	-0.07	58	-0.02
Milk transfer factor for Ra	58	-0.05	60	-0.03	56	0.07	56	0.02
Fish transfer factor for Ra	37	-0.14	38	-0.08	57	-0.07	57	-0.02
Plant transfer factor for Tc	19	0.24	20	0.16	6	0.39	6	0.13
Meat transfer factor for Tc	59	-0.04	61	-0.03	52	0.10	52	0.03
Milk transfer factor for Tc	42	0.12	36	0.09	68	0.03	68	0.01
Fish transfer factor for Tc	39	0.13	43	0.07	10	-0.33	11	-0.11
Plant transfer factor for Th	36	-0.14	37	-0.08	3	0.45	3	0.16
Meat transfer factor for Th	24	0.19	28	0.12	62	-0.06	62	-0.02
Milk transfer factor for Th	23	-0.19	27	-0.12	11	-0.33	10	-0.11
Fish transfer factor for Th	28	0.17	31	0.11	59	-0.06	59	-0.02
Plant transfer factor for U	3	0.38	5	0.22	30	0.22	30	0.07
Meat transfer factor for U	1	0.68	3	0.48	39	-0.16	39	-0.05
Milk transfer factor for U	45	-0.10	46	-0.06	63	0.06	63	0.02
Fish transfer factor for U	72	0.01	72	0.00	12	0.33	12	0.11
Well pumping rate	20	-0.23	25	-0.13	48	-0.12	48	-0.04
Inhalation rate	15	0.27	13	0.19	4	0.43	4	0.15
Indoor dust filtration factor	68	0.02	71	0.01	29	0.23	29	0.07
Depth of soil mixing layer	18	0.25	22	0.15	34	-0.19	34	-0.06
Depth of roots	34	0.15	34	0.09	32	-0.21	32	-0.07
Wet weight crop yield of fruit, grain and non-leafy vegetables	40	-0.13	42	-0.08	7	0.38	7	0.13
Weathering removal constant of all vegetation	61	-0.04	64	-0.02	24	-0.23	24	-0.08
Wet foliar interception fraction of leafy vegetables	10	0.32	17	0.17	69	0.02	69	0.01

R-SQUARE 0.83 0.83 0.90 0.90

-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	Coef	Sig	Coef	Sig	Coef	Sig	Coef
Kd of Ac-227 in Contaminated Zone	39	-0.15	43	-0.11	50	0.07	50	0.03
Kd of Ac-227 in Unsaturated Zone 1	73	0.00	73	0.00	52	0.06	52	0.02
Kd of Ac-227 in Saturated Zone	45	-0.11	49	-0.09	58	0.06	58	0.02
Kd of Np-237 in Contaminated Zone	12	-0.29	17	-0.23	6	-0.34	6	-0.14
Kd of Np-237 in Unsaturated Zone 1	37	-0.18	42	-0.12	1	-0.84	1	-0.61
Kd of Np-237 in Saturated Zone	9	-0.31	15	-0.23	3	-0.47	3	-0.21
Kd of Pa-231 in Contaminated Zone	70	0.02	70	0.01	16	0.21	16	0.09
Kd of Pa-231 in Unsaturated Zone 1	24	0.22	33	0.15	2	-0.58	2	-0.28
Kd of Pa-231 in Saturated Zone	57	0.08	53	0.07	26	-0.17	28	-0.07
Kd of Pb-210 in Contaminated Zone	58	-0.07	38	-0.13	44	-0.08	44	-0.03
Kd of Pb-210 in Unsaturated Zone 1	7	0.34	2	0.49	65	-0.04	65	-0.01
Kd of Pb-210 in Saturated Zone	59	0.06	41	0.12	4	-0.39	4	-0.17
Kd of Pu-239 in Contaminated Zone	41	0.13	29	0.16	49	0.07	49	0.03
Kd of Pu-239 in Unsaturated Zone 1	43	0.12	46	0.10	68	0.01	68	0.01
Kd of Pu-239 in Saturated Zone	14	0.27	1	0.54	23	0.18	23	0.07
Kd of Ra-226 in Contaminated Zone	49	0.10	47	0.10	32	0.15	32	0.06
Kd of Ra-226 in Unsaturated Zone 1	13	-0.28	12	-0.26	27	-0.17	27	-0.07
Kd of Ra-226 in Saturated Zone	26	-0.21	31	-0.15	38	-0.12	38	-0.05
Kd of Tc-99 in Saturated Zone	54	-0.09	55	-0.06	35	-0.14	35	-0.05
Kd of Th-229 in Contaminated Zone	36	-0.18	4	-0.36	36	-0.13	36	-0.05
Kd of Th-229 in Unsaturated Zone 1	33	-0.19	28	-0.17	59	0.05	59	0.02
Kd of Th-229 in Saturated Zone	71	-0.01	71	-0.01	66	0.03	66	0.01
Kd of Th-230 in Contaminated Zone	28	-0.21	13	-0.25	30	0.16	30	0.07
Kd of Th-230 in Unsaturated Zone 1	67	-0.03	67	-0.02	21	-0.19	21	-0.08
Kd of Th-230 in Saturated Zone	20	-0.24	19	-0.21	63	-0.04	63	-0.02
Kd of U-233 in Saturated Zone	31	-0.20	34	-0.15	41	-0.11	41	-0.05
Kd of U-234 in Saturated Zone	35	0.18	37	0.14	56	-0.06	53	-0.02
Kd of U-235 in Saturated Zone	48	0.10	52	0.08	71	0.00	71	0.00
Kd of U-238 in Saturated Zone	27	-0.21	35	-0.14	40	-0.12	40	-0.05
Plant transfer factor for Ac	29	-0.20	21	-0.21	72	0.00	72	0.00
Meat transfer factor for Ac	8	0.33	6	0.31	10	0.26	9	0.11
Milk transfer factor for Ac	15	0.27	16	0.23	62	0.04	62	0.02
Fish transfer factor for Ac	65	0.04	65	0.04	61	-0.05	61	-0.02
Plant transfer factor for Pb	55	0.09	58	0.06	15	0.23	15	0.09
Meat transfer factor for Pb	3	-0.37	9	-0.29	69	-0.01	69	0.00
Milk transfer factor for Pb	10	0.31	18	0.23	5	-0.34	5	-0.14
Fish transfer factor for Pb	25	-0.21	20	-0.21	24	-0.18	25	-0.07
Plant transfer factor for Np	51	-0.09	54	-0.06	12	0.25	12	0.10
Meat transfer factor for Np	1	-0.47	3	-0.42	8	-0.29	8	-0.12
Milk transfer factor for Np	62	0.05	62	0.04	34	-0.15	33	-0.06
Fish transfer factor for Np	17	0.26	22	0.20	17	0.21	17	0.08
Plant transfer factor for Pu	68	-0.02	68	-0.02	33	0.15	34	0.06
Meat transfer factor for Pu	56	0.08	57	0.06	60	0.05	60	0.02
Milk transfer factor for Pu	69	-0.02	69	-0.01	55	0.06	55	0.02
Fish transfer factor for Pu	22	0.22	23	0.19	47	0.07	47	0.03
Plant transfer factor for Pa	52	0.09	51	0.08	64	-0.04	64	-0.02
Meat transfer factor for Pa	19	0.24	25	0.19	70	0.01	70	0.00
Milk transfer factor for Pa	46	-0.11	45	-0.10	22	-0.19	22	-0.08
Fish transfer factor for Pa	30	0.20	32	0.15	19	-0.19	20	-0.08
Plant transfer factor for Ra	5	0.37	5	0.32	25	-0.18	24	-0.07
Meat transfer factor for Ra	61	0.05	64	0.04	20	0.19	19	0.08
Milk transfer factor for Ra	66	0.04	66	0.03	51	-0.06	51	-0.03
Fish transfer factor for Ra	42	0.13	44	0.11	29	-0.16	29	-0.07
Plant transfer factor for Tc	38	0.16	24	0.19	18	0.20	18	0.08
Meat transfer factor for Tc	16	0.27	11	0.27	43	0.08	43	0.03
Milk transfer factor for Tc	18	-0.26	26	-0.18	45	0.08	45	0.03
Fish transfer factor for Tc	40	-0.15	40	-0.13	37	0.13	37	0.05
Plant transfer factor for Th	60	-0.06	60	-0.05	42	-0.09	42	-0.04
Meat transfer factor for Th	64	-0.05	61	-0.05	28	0.17	26	0.07
Milk transfer factor for Th	21	-0.23	27	-0.18	9	-0.26	10	-0.11
Fish transfer factor for Th	44	-0.12	48	-0.10	54	0.06	56	0.02
Plant transfer factor for U	53	0.09	56	0.06	13	-0.24	13	-0.10
Meat transfer factor for U	4	-0.37	10	-0.28	46	0.07	46	0.03
Milk transfer factor for U	50	-0.09	59	-0.06	73	0.00	73	0.00
Fish transfer factor for U	6	-0.36	8	-0.29	31	-0.16	31	-0.06
Well pumping rate	23	-0.22	30	-0.16	14	0.23	14	0.10
Inhalation rate	11	-0.29	14	-0.23	53	0.06	54	0.02
Indoor dust filtration factor	72	0.00	72	0.00	11	-0.26	11	-0.11
Depth of soil mixing layer	2	0.39	7	0.31	7	0.31	7	0.13
Depth of roots	47	0.11	50	0.08	67	0.02	67	0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	34	-0.18	36	-0.14	57	-0.06	57	-0.02
Weathering removal constant of all vegetation	63	-0.05	63	-0.04	48	-0.07	48	-0.03
Wet foliar interception fraction of leafy vegetables	32	0.19	39	0.13	39	-0.12	39	-0.05

R-SQUARE 0.75 0.75 0.85 0.85

-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	64	-0.02	65	-0.03	71	-0.01	71	0.00
Kd of Ac-227 in Unsaturated Zone 1	12	-0.20	16	-0.20	14	-0.25	14	-0.10
Kd of Ac-227 in Saturated Zone	24	0.12	24	0.13	28	-0.16	28	-0.06
Kd of Np-237 in Contaminated Zone	50	-0.05	42	-0.07	46	-0.12	46	-0.04
Kd of Np-237 in Unsaturated Zone 1	6	-0.27	4	-0.37	1	-0.87	1	-0.67
Kd of Np-237 in Saturated Zone	13	-0.19	14	-0.21	21	-0.21	21	-0.08
Kd of Pa-231 in Contaminated Zone	41	0.07	11	0.24	69	0.02	69	0.01
Kd of Pa-231 in Unsaturated Zone 1	38	0.07	27	0.11	2	-0.62	2	-0.30
Kd of Pa-231 in Saturated Zone	29	-0.10	10	-0.25	36	-0.13	37	-0.05
Kd of Pb-210 in Contaminated Zone	11	0.22	9	0.26	56	0.06	56	0.02
Kd of Pb-210 in Unsaturated Zone 1	2	0.30	5	0.28	39	0.13	40	0.05
Kd of Pb-210 in Saturated Zone	51	-0.05	52	-0.05	25	0.18	25	0.07
Kd of Pu-239 in Contaminated Zone	47	-0.06	53	-0.04	49	-0.10	49	-0.04
Kd of Pu-239 in Unsaturated Zone 1	58	-0.03	62	-0.03	9	-0.33	9	-0.13
Kd of Pu-239 in Saturated Zone	31	0.09	39	0.08	54	-0.07	54	-0.03
Kd of Ra-226 in Contaminated Zone	25	0.11	34	0.09	10	0.27	10	0.11
Kd of Ra-226 in Unsaturated Zone 1	71	-0.01	64	-0.03	60	-0.05	60	-0.02
Kd of Ra-226 in Saturated Zone	65	0.02	69	0.01	38	-0.13	38	-0.05
Kd of Tc-99 in Saturated Zone	3	-0.30	6	-0.27	30	-0.15	32	-0.06
Kd of Th-229 in Contaminated Zone	73	0.00	73	0.00	45	-0.12	45	-0.04
Kd of Th-229 in Unsaturated Zone 1	48	-0.06	37	-0.08	59	0.05	59	0.02
Kd of Th-229 in Saturated Zone	10	-0.24	3	-0.42	47	-0.12	47	-0.04
Kd of Th-230 in Contaminated Zone	66	0.02	49	0.05	26	-0.17	26	-0.07
Kd of Th-230 in Unsaturated Zone 1	60	0.03	30	0.10	50	0.09	50	0.04
Kd of Th-230 in Saturated Zone	37	-0.07	32	-0.09	12	-0.27	12	-0.10
Kd of U-233 in Saturated Zone	23	-0.13	29	-0.11	53	-0.07	53	-0.03
Kd of U-234 in Saturated Zone	62	0.02	61	0.03	18	-0.23	18	-0.09
Kd of U-235 in Saturated Zone	70	0.01	71	0.01	55	-0.06	55	-0.02
Kd of U-238 in Saturated Zone	68	-0.01	66	-0.02	20	0.22	20	0.08
Plant transfer factor for Ac	43	0.06	48	0.05	65	0.04	65	0.01
Meat transfer factor for Ac	34	0.08	41	0.07	64	-0.04	64	-0.01
Milk transfer factor for Ac	63	-0.02	68	-0.02	70	0.02	70	0.01
Fish transfer factor for Ac	55	-0.04	57	-0.03	23	0.20	23	0.08
Plant transfer factor for Pb	59	-0.03	63	-0.03	27	0.16	27	0.06
Meat transfer factor for Pb	53	-0.05	54	-0.04	22	-0.21	22	-0.08
Milk transfer factor for Pb	72	0.01	72	0.01	41	0.13	42	0.05
Fish transfer factor for Pb	46	-0.06	46	-0.06	72	0.01	72	0.00
Plant transfer factor for Np	5	0.29	2	0.49	4	0.41	4	0.17
Meat transfer factor for Np	56	-0.04	58	-0.03	24	-0.18	24	-0.07
Milk transfer factor for Np	14	0.19	18	0.16	63	0.04	63	0.01
Fish transfer factor for Np	61	-0.02	60	-0.03	35	-0.14	35	-0.05
Plant transfer factor for Pu	69	0.01	67	0.02	68	-0.02	68	-0.01
Meat transfer factor for Pu	21	0.15	20	0.15	48	-0.11	48	-0.04
Milk transfer factor for Pu	52	-0.05	55	-0.04	19	-0.22	19	-0.08
Fish transfer factor for Pu	33	-0.09	31	-0.09	58	0.05	58	0.02
Plant transfer factor for Pa	42	0.07	36	0.09	52	-0.08	52	-0.03
Meat transfer factor for Pa	4	0.30	12	0.24	73	0.00	73	0.00
Milk transfer factor for Pa	20	-0.15	15	-0.21	44	-0.13	43	-0.05
Fish transfer factor for Pa	32	-0.09	40	-0.07	42	0.13	39	0.05
Plant transfer factor for Ra	18	0.16	17	0.17	57	-0.05	57	-0.02
Meat transfer factor for Ra	8	0.24	13	0.24	34	0.14	34	0.05
Milk transfer factor for Ra	7	0.25	7	0.27	51	0.09	51	0.03
Fish transfer factor for Ra	9	0.24	8	0.26	32	0.15	30	0.06
Plant transfer factor for Tc	28	0.11	25	0.12	8	0.35	8	0.14
Meat transfer factor for Tc	54	-0.05	56	-0.04	3	-0.42	3	-0.18
Milk transfer factor for Tc	26	-0.11	26	-0.12	13	-0.26	13	-0.10
Fish transfer factor for Tc	57	-0.04	59	-0.03	16	-0.24	16	-0.09
Plant transfer factor for Th	30	-0.09	33	-0.09	7	-0.35	7	-0.14
Meat transfer factor for Th	67	0.01	70	0.01	15	0.24	15	0.09
Milk transfer factor for Th	19	0.16	22	0.13	31	0.15	31	0.06
Fish transfer factor for Th	1	0.52	1	0.50	66	0.03	66	0.01
Plant transfer factor for U	40	-0.07	45	-0.06	67	0.03	67	0.01
Meat transfer factor for U	49	0.06	51	0.05	37	0.13	36	0.05
Milk transfer factor for U	39	-0.07	38	-0.08	61	0.04	61	0.02
Fish transfer factor for U	27	0.11	35	0.09	62	-0.04	62	-0.01
Well pumping rate	15	0.17	19	0.15	5	0.37	6	0.15
Inhalation rate	44	0.06	47	0.05	11	0.27	11	0.11
Indoor dust filtration factor	36	0.08	44	0.07	6	-0.37	5	-0.15
Depth of soil mixing layer	17	-0.16	23	-0.13	17	-0.23	17	-0.09
Depth of roots	35	0.08	43	0.07	43	0.13	44	0.05
Wet weight crop yield of fruit, grain and non-leafy vegetables	45	-0.06	50	-0.05	29	0.16	29	0.06
Weathering removal constant of all vegetation	22	-0.13	28	-0.11	33	-0.15	33	-0.06
Wet foliar interception fraction of leafy vegetables	16	-0.17	21	-0.14	40	-0.13	41	-0.05

R-SQUARE 0.67 0.67 0.87 0.87

-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	40	-0.12	41	-0.06	16	-0.29	16	-0.10
Kd of Ac-227 in Unsaturated Zone 1	43	-0.11	26	-0.10	45	-0.13	45	-0.04
Kd of Ac-227 in Saturated Zone	13	0.27	10	0.17	46	-0.13	48	-0.04
Kd of Np-237 in Contaminated Zone	19	-0.24	11	-0.17	15	-0.30	15	-0.10
Kd of Np-237 in Unsaturated Zone 1	67	-0.02	67	-0.01	1	-0.91	1	-0.72
Kd of Np-237 in Saturated Zone	11	-0.29	15	-0.15	2	-0.55	2	-0.21
Kd of Pa-231 in Contaminated Zone	24	-0.19	16	-0.14	44	0.13	42	0.04
Kd of Pa-231 in Unsaturated Zone 1	1	0.80	1	0.66	10	-0.33	10	-0.11
Kd of Pa-231 in Saturated Zone	21	-0.22	23	-0.11	41	-0.14	41	-0.04
Kd of Pb-210 in Contaminated Zone	18	-0.25	2	-0.56	52	-0.11	52	-0.04
Kd of Pb-210 in Unsaturated Zone 1	45	-0.09	51	-0.04	47	-0.13	46	-0.04
Kd of Pb-210 in Saturated Zone	47	0.09	48	0.05	29	0.19	29	0.06
Kd of Pu-239 in Contaminated Zone	61	0.05	63	0.02	63	0.06	63	0.02
Kd of Pu-239 in Unsaturated Zone 1	49	-0.09	40	-0.07	59	-0.08	59	-0.03
Kd of Pu-239 in Saturated Zone	9	0.31	13	0.15	72	0.01	72	0.00
Kd of Ra-226 in Contaminated Zone	6	-0.36	7	-0.21	34	0.17	34	0.05
Kd of Ra-226 in Unsaturated Zone 1	71	-0.01	71	0.00	28	-0.20	28	-0.07
Kd of Ra-226 in Saturated Zone	62	-0.05	59	-0.03	30	0.19	30	0.06
Kd of Tc-99 in Saturated Zone	20	0.23	3	0.54	14	0.30	14	0.10
Kd of Th-229 in Contaminated Zone	73	0.00	73	0.00	35	-0.16	35	-0.05
Kd of Th-229 in Unsaturated Zone 1	37	-0.14	38	-0.07	13	-0.31	13	-0.10
Kd of Th-229 in Saturated Zone	50	-0.09	47	-0.05	18	-0.27	18	-0.09
Kd of Th-230 in Contaminated Zone	46	0.09	53	0.04	22	0.23	22	0.08
Kd of Th-230 in Unsaturated Zone 1	64	0.04	62	0.03	3	-0.42	4	-0.15
Kd of Th-230 in Saturated Zone	27	-0.17	22	-0.12	57	0.09	57	0.03
Kd of U-233 in Saturated Zone	58	-0.06	54	-0.04	58	0.09	58	0.03
Kd of U-234 in Saturated Zone	54	-0.08	55	-0.04	24	0.22	24	0.07
Kd of U-235 in Saturated Zone	72	0.00	72	0.00	40	-0.15	40	-0.05
Kd of U-238 in Saturated Zone	70	0.02	69	0.01	7	0.39	7	0.13
Plant transfer factor for Ac	34	-0.14	37	-0.07	21	0.24	21	0.08
Meat transfer factor for Ac	51	-0.08	44	-0.06	71	0.02	71	0.01
Milk transfer factor for Ac	7	-0.33	8	-0.18	69	-0.03	69	-0.01
Fish transfer factor for Ac	41	-0.11	46	-0.05	51	-0.11	51	-0.04
Plant transfer factor for Pb	42	-0.11	43	-0.06	32	0.17	32	0.06
Meat transfer factor for Pb	59	-0.06	60	-0.03	25	-0.22	25	-0.07
Milk transfer factor for Pb	16	0.25	20	0.13	70	0.03	70	0.01
Fish transfer factor for Pb	63	-0.04	64	-0.02	23	0.22	23	0.07
Plant transfer factor for Np	29	0.17	33	0.08	36	-0.16	36	-0.05
Meat transfer factor for Np	65	-0.04	65	-0.02	50	0.11	50	0.04
Milk transfer factor for Np	69	0.02	68	0.01	49	-0.12	49	-0.04
Fish transfer factor for Np	25	-0.17	29	-0.09	67	-0.04	66	-0.01
Plant transfer factor for Pu	12	-0.28	14	-0.15	31	0.18	31	0.06
Meat transfer factor for Pu	17	0.25	17	0.13	56	-0.09	56	-0.03
Milk transfer factor for Pu	35	-0.14	39	-0.07	60	0.07	60	0.02
Fish transfer factor for Pu	32	0.15	36	0.07	9	0.34	9	0.12
Plant transfer factor for Pa	5	-0.37	9	-0.18	64	0.05	64	0.02
Meat transfer factor for Pa	38	-0.13	32	-0.08	37	-0.16	37	-0.05
Milk transfer factor for Pa	4	-0.43	6	-0.24	54	0.10	54	0.03
Fish transfer factor for Pa	15	0.26	21	0.13	65	-0.05	65	-0.02
Plant transfer factor for Ra	36	-0.14	34	-0.08	33	-0.17	33	-0.06
Meat transfer factor for Ra	52	-0.08	52	-0.04	42	-0.13	43	-0.04
Milk transfer factor for Ra	57	0.06	58	0.03	48	0.13	47	0.04
Fish transfer factor for Ra	39	-0.12	42	-0.06	62	-0.07	62	-0.02
Plant transfer factor for Tc	23	0.20	24	0.11	6	0.39	6	0.13
Meat transfer factor for Tc	53	-0.08	50	-0.04	55	0.10	55	0.03
Milk transfer factor for Tc	31	0.16	28	0.09	61	0.07	61	0.02
Fish transfer factor for Tc	55	0.07	56	0.04	12	-0.31	11	-0.11
Plant transfer factor for Th	26	-0.17	30	-0.09	5	0.41	5	0.14
Meat transfer factor for Th	3	0.44	5	0.26	68	-0.04	68	-0.01
Milk transfer factor for Th	48	-0.09	49	-0.05	19	-0.26	19	-0.09
Fish transfer factor for Th	44	0.10	45	0.05	53	-0.11	53	-0.03
Plant transfer factor for U	14	0.27	19	0.13	20	0.24	20	0.08
Meat transfer factor for U	2	0.63	4	0.36	43	-0.13	44	-0.04
Milk transfer factor for U	22	-0.21	25	-0.11	73	-0.01	73	0.00
Fish transfer factor for U	60	-0.06	61	-0.03	11	0.31	12	0.11
Well pumping rate	8	-0.32	12	-0.16	27	-0.21	27	-0.07
Inhalation rate	28	0.17	27	0.10	4	0.41	3	0.15
Indoor dust filtration factor	68	-0.02	70	-0.01	17	0.27	17	0.09
Depth of soil mixing layer	33	0.15	35	0.07	26	-0.21	26	-0.07
Depth of roots	30	0.16	31	0.09	39	-0.15	39	-0.05
Wet weight crop yield of fruit, grain and non-leafy vegetables	66	-0.03	66	-0.02	8	0.38	8	0.13
Weathering removal constant of all vegetation	56	-0.07	57	-0.03	38	-0.15	38	-0.05
Wet foliar interception fraction of leafy vegetables	10	0.29	18	0.13	66	0.04	67	0.01

R-SQUARE 0.87 0.87 0.90 0.90

-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	Coef	Sig	Coef	Sig	Coef	Sig	Coef
Kd of Ac-227 in Contaminated Zone	47	-0.10	49	-0.08	53	0.05	53	0.02
Kd of Ac-227 in Unsaturated Zone 1	32	0.15	24	0.16	44	0.08	44	0.03
Kd of Ac-227 in Saturated Zone	29	-0.15	31	-0.14	48	0.07	48	0.03
Kd of Np-237 in Contaminated Zone	7	-0.33	10	-0.29	8	-0.31	8	-0.13
Kd of Np-237 in Unsaturated Zone 1	20	-0.18	33	-0.13	1	-0.85	1	-0.62
Kd of Np-237 in Saturated Zone	17	-0.21	21	-0.17	3	-0.49	3	-0.22
Kd of Pa-231 in Contaminated Zone	37	0.13	44	0.10	32	0.15	32	0.06
Kd of Pa-231 in Unsaturated Zone 1	53	0.08	58	0.06	2	-0.53	2	-0.24
Kd of Pa-231 in Saturated Zone	33	0.14	27	0.15	30	-0.15	31	-0.06
Kd of Pb-210 in Contaminated Zone	57	-0.07	29	-0.14	37	-0.12	37	-0.05
Kd of Pb-210 in Unsaturated Zone 1	16	0.21	5	0.33	64	0.02	64	0.01
Kd of Pb-210 in Saturated Zone	66	0.04	50	0.08	4	-0.43	4	-0.19
Kd of Pu-239 in Contaminated Zone	44	-0.11	26	-0.16	68	0.02	69	0.01
Kd of Pu-239 in Unsaturated Zone 1	61	0.05	61	0.04	60	-0.03	60	-0.01
Kd of Pu-239 in Saturated Zone	2	0.37	1	0.83	29	0.15	29	0.06
Kd of Ra-226 in Contaminated Zone	54	0.08	48	0.09	28	0.16	28	0.06
Kd of Ra-226 in Unsaturated Zone 1	71	0.01	71	0.01	35	-0.14	35	-0.05
Kd of Ra-226 in Saturated Zone	50	-0.09	53	-0.07	26	-0.17	26	-0.07
Kd of Tc-99 in Saturated Zone	38	-0.12	41	-0.10	36	-0.13	36	-0.05
Kd of Th-229 in Contaminated Zone	9	-0.32	2	-0.74	42	-0.09	42	-0.04
Kd of Th-229 in Unsaturated Zone 1	22	-0.18	16	-0.19	58	0.04	58	0.01
Kd of Th-229 in Saturated Zone	59	0.05	62	0.04	65	0.02	65	0.01
Kd of Th-230 in Contaminated Zone	65	-0.04	60	-0.05	25	0.18	25	0.07
Kd of Th-230 in Unsaturated Zone 1	55	0.07	56	0.07	13	-0.24	13	-0.10
Kd of Th-230 in Saturated Zone	24	-0.18	17	-0.18	67	-0.02	67	-0.01
Kd of U-233 in Saturated Zone	63	-0.04	67	-0.03	51	-0.05	51	-0.02
Kd of U-234 in Saturated Zone	5	0.36	8	0.31	49	-0.06	49	-0.02
Kd of U-235 in Saturated Zone	42	0.12	43	0.10	72	0.00	72	0.00
Kd of U-238 in Saturated Zone	48	-0.09	52	-0.07	33	-0.14	33	-0.06
Plant transfer factor for Ac	67	-0.03	66	-0.04	66	0.02	66	0.01
Meat transfer factor for Ac	25	0.18	18	0.18	17	0.22	17	0.09
Milk transfer factor for Ac	21	0.18	20	0.17	57	0.04	57	0.01
Fish transfer factor for Ac	73	0.00	73	0.00	47	-0.07	46	-0.03
Plant transfer factor for Pb	52	-0.08	54	-0.07	19	0.21	19	0.08
Meat transfer factor for Pb	8	-0.33	11	-0.27	70	-0.01	70	0.00
Milk transfer factor for Pb	15	0.22	19	0.17	5	-0.38	5	-0.16
Fish transfer factor for Pb	14	-0.24	12	-0.26	21	-0.21	21	-0.08
Plant transfer factor for Np	40	-0.12	46	-0.09	12	0.25	12	0.10
Meat transfer factor for Np	3	-0.36	4	-0.34	9	-0.31	9	-0.13
Milk transfer factor for Np	45	0.11	47	0.09	41	-0.10	41	-0.04
Fish transfer factor for Np	1	0.53	3	0.52	6	0.35	6	0.14
Plant transfer factor for Pu	68	-0.03	68	-0.02	27	0.17	27	0.06
Meat transfer factor for Pu	26	-0.17	28	-0.14	45	0.08	45	0.03
Milk transfer factor for Pu	36	0.13	45	0.10	62	0.03	62	0.01
Fish transfer factor for Pu	23	0.18	22	0.17	63	-0.02	63	-0.01
Plant transfer factor for Pa	41	0.12	35	0.12	59	-0.04	59	-0.01
Meat transfer factor for Pa	19	0.20	23	0.17	69	0.02	68	0.01
Milk transfer factor for Pa	43	-0.11	39	-0.12	15	-0.23	16	-0.09
Fish transfer factor for Pa	39	0.12	42	0.10	24	-0.18	24	-0.07
Plant transfer factor for Ra	6	0.33	7	0.32	23	-0.18	23	-0.07
Meat transfer factor for Ra	12	0.25	14	0.20	16	0.23	15	0.09
Milk transfer factor for Ra	70	0.02	69	0.02	54	-0.05	54	-0.02
Fish transfer factor for Ra	64	-0.04	65	-0.04	39	-0.12	39	-0.05
Plant transfer factor for Tc	58	0.05	57	0.07	20	0.21	20	0.08
Meat transfer factor for Tc	10	0.29	6	0.33	73	0.00	73	0.00
Milk transfer factor for Tc	13	-0.24	15	-0.19	40	0.11	40	0.04
Fish transfer factor for Tc	62	-0.04	63	-0.04	34	0.14	34	0.05
Plant transfer factor for Th	72	0.01	72	0.00	56	-0.04	56	-0.02
Meat transfer factor for Th	46	-0.11	38	-0.12	31	0.15	30	0.06
Milk transfer factor for Th	27	-0.16	30	-0.14	18	-0.22	18	-0.09
Fish transfer factor for Th	35	-0.14	37	-0.12	46	0.07	47	0.03
Plant transfer factor for U	30	0.15	36	0.12	14	-0.23	14	-0.09
Meat transfer factor for U	4	-0.36	9	-0.29	50	0.06	50	0.02
Milk transfer factor for U	49	-0.09	55	-0.07	61	0.03	61	0.01
Fish transfer factor for U	28	-0.16	32	-0.13	22	-0.20	22	-0.08
Well pumping rate	34	-0.14	40	-0.11	10	0.28	10	0.11
Inhalation rate	51	-0.09	51	-0.07	52	0.05	52	0.02
Indoor dust filtration factor	11	0.26	13	0.22	11	-0.26	11	-0.11
Depth of soil mixing layer	18	0.20	25	0.16	7	0.34	7	0.14
Depth of roots	31	-0.15	34	-0.13	43	-0.09	43	-0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	56	-0.07	59	-0.06	55	-0.04	55	-0.02
Weathering removal constant of all vegetation	60	0.05	64	0.04	71	0.00	71	0.00
Wet foliar interception fraction of leafy vegetables	69	-0.03	70	-0.02	38	-0.12	38	-0.05

R-SQUARE 0.69 0.69 0.86 0.86

-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	40	-0.08	34	-0.11	60	0.05	59	0.02
Kd of Ac-227 in Unsaturated Zone 1	13	-0.21	18	-0.21	9	-0.29	9	-0.12
Kd of Ac-227 in Saturated Zone	33	0.12	31	0.12	19	-0.19	19	-0.07
Kd of Np-237 in Contaminated Zone	43	-0.08	36	-0.11	46	-0.11	46	-0.04
Kd of Np-237 in Unsaturated Zone 1	1	-0.34	5	-0.48	1	-0.87	1	-0.70
Kd of Np-237 in Saturated Zone	30	-0.12	25	-0.14	14	-0.22	15	-0.09
Kd of Pa-231 in Contaminated Zone	14	0.19	1	0.71	71	0.01	71	0.00
Kd of Pa-231 in Unsaturated Zone 1	20	0.16	12	0.26	2	-0.54	2	-0.25
Kd of Pa-231 in Saturated Zone	16	-0.19	3	-0.50	33	-0.14	33	-0.06
Kd of Pb-210 in Contaminated Zone	10	0.22	13	0.26	54	0.08	54	0.03
Kd of Pb-210 in Unsaturated Zone 1	29	0.13	33	0.11	44	0.11	44	0.04
Kd of Pb-210 in Saturated Zone	70	-0.01	71	-0.01	23	0.17	23	0.07
Kd of Pu-239 in Contaminated Zone	53	0.06	58	0.05	49	-0.09	49	-0.04
Kd of Pu-239 in Unsaturated Zone 1	64	-0.04	63	-0.03	6	-0.34	6	-0.14
Kd of Pu-239 in Saturated Zone	54	0.06	55	0.05	59	-0.05	60	-0.02
Kd of Ra-226 in Contaminated Zone	61	0.04	64	0.03	16	0.21	17	0.08
Kd of Ra-226 in Unsaturated Zone 1	32	-0.12	4	-0.48	57	-0.07	57	-0.03
Kd of Ra-226 in Saturated Zone	51	0.06	56	0.05	42	-0.12	42	-0.05
Kd of Tc-99 in Saturated Zone	2	-0.32	11	-0.29	36	-0.14	36	-0.05
Kd of Th-229 in Contaminated Zone	42	-0.08	40	-0.09	34	-0.14	34	-0.06
Kd of Th-229 in Unsaturated Zone 1	38	-0.08	35	-0.11	69	0.01	69	0.01
Kd of Th-229 in Saturated Zone	9	-0.24	6	-0.42	24	-0.17	24	-0.07
Kd of Th-230 in Contaminated Zone	55	-0.06	20	-0.19	27	-0.16	29	-0.06
Kd of Th-230 in Unsaturated Zone 1	25	0.14	2	0.57	47	0.11	47	0.04
Kd of Th-230 in Saturated Zone	27	0.14	22	0.18	10	-0.28	11	-0.11
Kd of U-233 in Saturated Zone	57	-0.05	61	-0.04	35	-0.14	35	-0.05
Kd of U-234 in Saturated Zone	69	-0.01	68	-0.02	25	-0.16	25	-0.07
Kd of U-235 in Saturated Zone	67	0.02	67	0.02	56	-0.07	56	-0.03
Kd of U-238 in Saturated Zone	59	0.05	46	0.07	20	0.19	21	0.07
Plant transfer factor for Ac	39	0.08	44	0.07	45	0.11	45	0.04
Meat transfer factor for Ac	58	-0.05	59	-0.04	68	-0.01	68	-0.01
Milk transfer factor for Ac	41	-0.08	50	-0.06	73	0.00	73	0.00
Fish transfer factor for Ac	68	0.01	69	0.01	22	0.18	22	0.07
Plant transfer factor for Pb	62	0.04	62	0.04	38	0.13	38	0.05
Meat transfer factor for Pb	65	-0.04	66	-0.03	41	-0.13	41	-0.05
Milk transfer factor for Pb	66	0.03	65	0.03	32	0.15	31	0.06
Fish transfer factor for Pb	60	-0.05	60	-0.04	61	-0.05	61	-0.02
Plant transfer factor for Np	8	0.24	7	0.42	7	0.32	7	0.13
Meat transfer factor for Np	35	0.10	39	0.10	31	-0.15	32	-0.06
Milk transfer factor for Np	5	0.27	16	0.24	55	0.08	55	0.03
Fish transfer factor for Np	50	0.07	42	0.08	43	0.11	43	0.04
Plant transfer factor for Pu	63	-0.04	54	-0.05	72	0.01	72	0.00
Meat transfer factor for Pu	52	0.06	49	0.06	64	-0.02	64	-0.01
Milk transfer factor for Pu	72	0.01	72	0.01	18	-0.20	18	-0.08
Fish transfer factor for Pu	48	-0.07	43	-0.08	62	0.03	62	0.01
Plant transfer factor for Pa	17	0.18	15	0.24	50	-0.09	50	-0.04
Meat transfer factor for Pa	22	0.16	29	0.13	63	-0.03	63	-0.01
Milk transfer factor for Pa	6	-0.27	8	-0.39	30	-0.15	30	-0.06
Fish transfer factor for Pa	36	-0.09	41	-0.08	39	0.13	39	0.05
Plant transfer factor for Ra	4	0.29	10	0.31	66	-0.02	66	-0.01
Meat transfer factor for Ra	45	0.07	47	0.07	40	0.13	40	0.05
Milk transfer factor for Ra	19	0.17	21	0.18	51	0.09	51	0.04
Fish transfer factor for Ra	3	0.31	9	0.35	37	0.13	37	0.05
Plant transfer factor for Tc	12	0.22	14	0.25	4	0.36	4	0.15
Meat transfer factor for Tc	26	-0.14	32	-0.12	3	-0.36	3	-0.15
Milk transfer factor for Tc	71	0.01	70	0.01	15	-0.22	14	-0.09
Fish transfer factor for Tc	46	-0.07	48	-0.06	29	-0.15	28	-0.06
Plant transfer factor for Th	28	-0.13	28	-0.13	8	-0.29	8	-0.12
Meat transfer factor for Th	44	-0.08	52	-0.06	13	0.24	13	0.10
Milk transfer factor for Th	11	0.22	19	0.19	26	0.16	26	0.06
Fish transfer factor for Th	7	0.25	17	0.22	58	0.06	58	0.02
Plant transfer factor for U	31	-0.12	38	-0.10	67	0.02	67	0.01
Meat transfer factor for U	47	-0.07	51	-0.06	48	0.10	48	0.04
Milk transfer factor for U	73	0.00	73	0.00	65	0.02	65	0.01
Fish transfer factor for U	37	0.09	45	0.07	52	-0.09	52	-0.03
Well pumping rate	34	0.12	37	0.11	5	0.35	5	0.15
Inhalation rate	15	0.19	23	0.17	12	0.26	12	0.11
Indoor dust filtration factor	24	0.15	30	0.12	11	-0.28	10	-0.12
Depth of soil mixing layer	18	-0.17	26	-0.14	28	-0.15	27	-0.06
Depth of roots	56	-0.06	57	-0.05	17	0.21	16	0.08
Wet weight crop yield of fruit, grain and non-leafy vegetables	49	0.07	53	0.06	21	0.19	20	0.07
Weathering removal constant of all vegetation	23	-0.15	27	-0.13	70	-0.01	70	0.00
Wet foliar interception fraction of leafy vegetables	21	-0.16	24	-0.14	53	-0.08	53	-0.03

R-SQUARE 0.66 0.66 0.85 0.85

-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 =		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	0	0.00	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	0	0.00
Kd of Ac-227 in Saturated Zone	0	0.00	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	0	0.00
Kd of Np-237 in Unsaturated Zone 1	0	0.00	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	0	0.00
Kd of Pa-231 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Pa-231 in Saturated Zone	0	0.00	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	0	0.00
Kd of Pb-210 in Unsaturated Zone 1	0	0.00	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	0	0.00
Kd of Pu-239 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Pu-239 in Saturated Zone	0	0.00	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	0	0.00
Kd of Ra-226 in Unsaturated Zone 1	0	0.00	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	0	0.00
Kd of Tc-99 in Saturated Zone	0	0.00	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	0	0.00
Kd of Th-229 in Unsaturated Zone 1	0	0.00	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	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	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	0	0.00
Kd of U-234 in Saturated Zone	0	0.00	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	0	0.00
Kd of U-238 in Saturated Zone	0	0.00	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	0	0.00
Meat transfer factor for Ac	0	0.00	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	0	0.00
Fish transfer factor for Ac	0	0.00	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	0	0.00
Meat transfer factor for Pb	0	0.00	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	0	0.00
Fish transfer factor for Pb	0	0.00	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	0	0.00
Meat transfer factor for Np	0	0.00	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	0	0.00
Fish transfer factor for Np	0	0.00	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	0	0.00
Meat transfer factor for Pu	0	0.00	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	0	0.00
Fish transfer factor for Pu	0	0.00	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	0	0.00
Meat transfer factor for Pa	0	0.00	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	0	0.00
Fish transfer factor for Pa	0	0.00	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	0	0.00
Meat transfer factor for Ra	0	0.00	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	0	0.00
Fish transfer factor for Ra	0	0.00	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	0	0.00
Meat transfer factor for Tc	0	0.00	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	0	0.00
Fish transfer factor for Tc	0	0.00	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	0	0.00
Meat transfer factor for Th	0	0.00	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	0	0.00
Fish transfer factor for Th	0	0.00	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	0	0.00
Meat transfer factor for U	0	0.00	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	0	0.00
Fish transfer factor for U	0	0.00	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	0	0.00
Inhalation rate	0	0.00	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	0	0.00
Depth of soil mixing layer	0	0.00	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	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	0	0.00
Weathering removal constant of all vegetation	0	0.00	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	0	0.00
R-SQUARE		0.00		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 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 Tc-99 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 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 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	
Inhalation rate	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 =		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	0	0.00	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	0	0.00
Kd of Ac-227 in Saturated Zone	0	0.00	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	0	0.00
Kd of Np-237 in Unsaturated Zone 1	0	0.00	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	0	0.00
Kd of Pa-231 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Pa-231 in Saturated Zone	0	0.00	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	0	0.00
Kd of Pb-210 in Unsaturated Zone 1	0	0.00	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	0	0.00
Kd of Pu-239 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Pu-239 in Saturated Zone	0	0.00	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	0	0.00
Kd of Ra-226 in Unsaturated Zone 1	0	0.00	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	0	0.00
Kd of Tc-99 in Saturated Zone	0	0.00	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	0	0.00
Kd of Th-229 in Unsaturated Zone 1	0	0.00	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	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	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	0	0.00
Kd of U-234 in Saturated Zone	0	0.00	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	0	0.00
Kd of U-238 in Saturated Zone	0	0.00	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	0	0.00
Meat transfer factor for Ac	0	0.00	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	0	0.00
Fish transfer factor for Ac	0	0.00	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	0	0.00
Meat transfer factor for Pb	0	0.00	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	0	0.00
Fish transfer factor for Pb	0	0.00	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	0	0.00
Meat transfer factor for Np	0	0.00	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	0	0.00
Fish transfer factor for Np	0	0.00	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	0	0.00
Meat transfer factor for Pu	0	0.00	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	0	0.00
Fish transfer factor for Pu	0	0.00	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	0	0.00
Meat transfer factor for Pa	0	0.00	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	0	0.00
Fish transfer factor for Pa	0	0.00	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	0	0.00
Meat transfer factor for Ra	0	0.00	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	0	0.00
Fish transfer factor for Ra	0	0.00	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	0	0.00
Meat transfer factor for Tc	0	0.00	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	0	0.00
Fish transfer factor for Tc	0	0.00	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	0	0.00
Meat transfer factor for Th	0	0.00	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	0	0.00
Fish transfer factor for Th	0	0.00	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	0	0.00
Meat transfer factor for U	0	0.00	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	0	0.00
Fish transfer factor for U	0	0.00	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	0	0.00
Inhalation rate	0	0.00	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	0	0.00
Depth of soil mixing layer	0	0.00	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	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	0	0.00
Weathering removal constant of all vegetation	0	0.00	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	0	0.00
R-SQUARE		0.00		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	29	-0.16	34	-0.10	29	-0.22	29	-0.07
Kd of Ac-227 in Unsaturated Zone 1	70	0.02	66	0.02	24	-0.24	26	-0.08
Kd of Ac-227 in Saturated Zone	33	0.15	30	0.12	47	-0.13	47	-0.04
Kd of Np-237 in Contaminated Zone	21	-0.20	20	-0.17	13	-0.32	13	-0.11
Kd of Np-237 in Unsaturated Zone 1	69	-0.02	71	-0.01	1	-0.91	1	-0.69
Kd of Np-237 in Saturated Zone	13	-0.31	16	-0.20	2	-0.54	2	-0.21
Kd of Pa-231 in Contaminated Zone	40	-0.12	32	-0.11	63	0.04	63	0.01
Kd of Pa-231 in Unsaturated Zone 1	2	0.50	4	0.35	4	-0.42	4	-0.15
Kd of Pa-231 in Saturated Zone	17	-0.26	21	-0.17	46	-0.13	46	-0.04
Kd of Pb-210 in Contaminated Zone	31	-0.16	2	-0.42	65	-0.02	66	-0.01
Kd of Pb-210 in Unsaturated Zone 1	52	0.07	56	0.04	67	0.01	67	0.00
Kd of Pb-210 in Saturated Zone	73	0.00	73	0.00	33	0.19	33	0.06
Kd of Pu-239 in Contaminated Zone	68	0.02	70	0.01	56	0.07	56	0.02
Kd of Pu-239 in Unsaturated Zone 1	30	-0.16	22	-0.15	51	-0.11	51	-0.04
Kd of Pu-239 in Saturated Zone	3	0.36	9	0.22	73	0.00	73	0.00
Kd of Ra-226 in Contaminated Zone	7	-0.35	5	-0.25	35	0.18	35	0.06
Kd of Ra-226 in Unsaturated Zone 1	72	-0.01	72	-0.01	31	-0.21	31	-0.07
Kd of Ra-226 in Saturated Zone	57	0.05	55	0.04	32	0.20	32	0.07
Kd of Tc-99 in Saturated Zone	38	0.12	3	0.36	28	0.22	28	0.07
Kd of Th-229 in Contaminated Zone	71	0.02	68	0.01	45	-0.13	45	-0.04
Kd of Th-229 in Unsaturated Zone 1	58	-0.05	61	-0.03	17	-0.29	18	-0.10
Kd of Th-229 in Saturated Zone	66	0.03	64	0.02	12	-0.32	12	-0.11
Kd of Th-230 in Contaminated Zone	67	0.02	69	0.01	21	0.26	21	0.09
Kd of Th-230 in Unsaturated Zone 1	46	0.10	41	0.07	8	-0.37	8	-0.13
Kd of Th-230 in Saturated Zone	18	-0.25	12	-0.21	61	-0.05	61	-0.02
Kd of U-233 in Saturated Zone	59	-0.05	57	-0.04	71	-0.01	71	0.00
Kd of U-234 in Saturated Zone	65	-0.03	67	-0.02	16	0.30	16	0.10
Kd of U-235 in Saturated Zone	60	0.04	58	0.03	22	-0.25	22	-0.08
Kd of U-238 in Saturated Zone	62	-0.04	59	-0.03	9	0.37	9	0.13
Plant transfer factor for Ac	44	-0.10	45	-0.07	18	0.28	17	0.10
Meat transfer factor for Ac	55	-0.06	50	-0.05	70	0.01	70	0.00
Milk transfer factor for Ac	9	-0.33	10	-0.22	66	0.02	65	0.01
Fish transfer factor for Ac	48	-0.09	51	-0.05	54	-0.08	54	-0.03
Plant transfer factor for Pb	49	-0.09	48	-0.06	48	0.12	48	0.04
Meat transfer factor for Pb	64	-0.04	65	-0.02	20	-0.26	20	-0.09
Milk transfer factor for Pb	16	0.28	19	0.18	60	-0.05	60	-0.02
Fish transfer factor for Pb	50	0.09	52	0.05	14	0.30	14	0.10
Plant transfer factor for Np	56	0.05	60	0.03	30	-0.21	30	-0.07
Meat transfer factor for Np	61	-0.04	63	-0.03	49	0.12	49	0.04
Milk transfer factor for Np	51	-0.08	46	-0.06	42	-0.14	41	-0.05
Fish transfer factor for Np	11	-0.33	11	-0.22	27	-0.24	25	-0.08
Plant transfer factor for Pu	4	-0.36	7	-0.24	40	0.16	40	0.05
Meat transfer factor for Pu	14	0.31	15	0.20	43	-0.14	43	-0.04
Milk transfer factor for Pu	53	-0.07	54	-0.04	57	0.06	58	0.02
Fish transfer factor for Pu	39	0.12	42	0.07	23	0.25	23	0.08
Plant transfer factor for Pa	6	-0.36	14	-0.21	72	0.00	72	0.00
Meat transfer factor for Pa	43	-0.11	37	-0.09	26	-0.24	27	-0.08
Milk transfer factor for Pa	10	-0.33	13	-0.21	44	0.14	44	0.04
Fish transfer factor for Pa	36	0.14	39	0.08	52	-0.09	52	-0.03
Plant transfer factor for Ra	27	-0.17	29	-0.12	41	-0.15	42	-0.05
Meat transfer factor for Ra	23	-0.20	27	-0.12	59	-0.06	59	-0.02
Milk transfer factor for Ra	28	-0.16	33	-0.10	69	0.01	69	0.00
Fish transfer factor for Ra	26	-0.17	35	-0.10	55	-0.08	55	-0.02
Plant transfer factor for Tc	25	0.18	28	0.12	7	0.38	7	0.13
Meat transfer factor for Tc	63	-0.04	62	-0.03	53	0.09	53	0.03
Milk transfer factor for Tc	32	0.16	31	0.12	68	0.01	68	0.00
Fish transfer factor for Tc	35	0.14	38	0.09	19	-0.28	19	-0.09
Plant transfer factor for Th	20	-0.23	23	-0.15	6	0.38	6	0.13
Meat transfer factor for Th	42	0.11	43	0.07	58	-0.06	57	-0.02
Milk transfer factor for Th	34	-0.15	36	-0.09	15	-0.30	15	-0.10
Fish transfer factor for Th	24	0.19	26	0.12	62	-0.05	62	-0.02
Plant transfer factor for U	5	0.36	8	0.22	34	0.18	34	0.06
Meat transfer factor for U	1	0.73	1	0.57	37	-0.16	38	-0.05
Milk transfer factor for U	45	-0.10	47	-0.06	64	0.02	64	0.01
Fish transfer factor for U	37	-0.13	40	-0.07	10	0.35	10	0.12
Well pumping rate	19	-0.24	24	-0.14	50	-0.12	50	-0.04
Inhalation rate	12	0.33	6	0.25	3	0.43	3	0.16
Indoor dust filtration factor	47	0.10	49	0.05	25	0.24	24	0.08
Depth of soil mixing layer	15	0.30	18	0.19	36	-0.17	36	-0.06
Depth of roots	22	0.20	25	0.13	38	-0.16	37	-0.05
Wet weight crop yield of fruit, grain and non-leafy vegetables	54	-0.07	53	-0.04	11	0.33	11	0.11
Weathering removal constant of all vegetation	41	-0.12	44	-0.07	5	-0.40	5	-0.14
Wet foliar interception fraction of leafy vegetables	8	0.35	17	0.20	39	0.16	39	0.05
R-SQUARE		0.81		0.81		0.90		0.90

-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		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	59	-0.06	60	-0.04	42	0.12	42	0.05	
Kd of Ac-227 in Unsaturated Zone 1	69	-0.03	66	-0.03	52	0.07	52	0.03	
Kd of Ac-227 in Saturated Zone	48	-0.09	53	-0.08	53	0.06	53	0.03	
Kd of Np-237 in Contaminated Zone	23	-0.21	24	-0.17	5	-0.35	5	-0.14	
Kd of Np-237 in Unsaturated Zone 1	19	-0.23	28	-0.16	1	-0.84	1	-0.61	
Kd of Np-237 in Saturated Zone	8	-0.28	14	-0.22	3	-0.48	3	-0.22	
Kd of Pa-231 in Contaminated Zone	64	-0.04	67	-0.03	12	0.26	12	0.10	
Kd of Pa-231 in Unsaturated Zone 1	20	0.22	27	0.16	2	-0.60	2	-0.29	
Kd of Pa-231 in Saturated Zone	65	0.04	62	0.04	37	-0.14	36	-0.05	
Kd of Pb-210 in Contaminated Zone	56	-0.07	36	-0.13	59	-0.04	59	-0.02	
Kd of Pb-210 in Unsaturated Zone 1	6	0.35	1	0.54	68	-0.03	68	-0.01	
Kd of Pb-210 in Saturated Zone	49	0.09	20	0.19	4	-0.39	4	-0.17	
Kd of Pu-239 in Contaminated Zone	61	0.05	56	0.06	50	0.07	50	0.03	
Kd of Pu-239 in Unsaturated Zone 1	73	0.00	73	0.00	72	0.00	72	0.00	
Kd of Pu-239 in Saturated Zone	38	0.14	10	0.27	25	0.17	26	0.07	
Kd of Ra-226 in Contaminated Zone	54	0.07	52	0.08	34	0.14	34	0.06	
Kd of Ra-226 in Unsaturated Zone 1	36	-0.14	35	-0.14	28	-0.16	28	-0.06	
Kd of Ra-226 in Saturated Zone	25	-0.20	29	-0.15	39	-0.13	39	-0.05	
Kd of Tc-99 in Saturated Zone	67	-0.03	69	-0.02	33	-0.14	33	-0.06	
Kd of Th-229 in Contaminated Zone	55	-0.07	33	-0.15	29	-0.16	30	-0.06	
Kd of Th-229 in Unsaturated Zone 1	18	-0.24	11	-0.24	61	0.04	61	0.02	
Kd of Th-229 in Saturated Zone	72	0.01	72	0.01	66	0.03	66	0.01	
Kd of Th-230 in Contaminated Zone	47	-0.10	39	-0.13	20	0.19	20	0.08	
Kd of Th-230 in Unsaturated Zone 1	58	0.06	59	0.05	30	-0.16	31	-0.06	
Kd of Th-230 in Saturated Zone	33	-0.16	30	-0.15	69	-0.02	69	-0.01	
Kd of U-233 in Saturated Zone	26	-0.19	31	-0.15	40	-0.13	38	-0.05	
Kd of U-234 in Saturated Zone	3	0.38	4	0.32	45	-0.09	45	-0.04	
Kd of U-235 in Saturated Zone	28	0.18	32	0.15	70	-0.01	70	0.00	
Kd of U-238 in Saturated Zone	31	-0.17	41	-0.12	41	-0.13	41	-0.05	
Plant transfer factor for Ac	30	-0.18	21	-0.19	71	0.01	71	0.00	
Meat transfer factor for Ac	4	0.36	3	0.35	7	0.31	7	0.13	
Milk transfer factor for Ac	21	0.22	19	0.19	51	0.07	51	0.03	
Fish transfer factor for Ac	57	-0.06	57	-0.06	56	-0.06	55	-0.02	
Plant transfer factor for Pb	63	0.04	64	0.03	16	0.24	16	0.10	
Meat transfer factor for Pb	5	-0.36	7	-0.28	62	-0.04	62	-0.01	
Milk transfer factor for Pb	12	0.26	18	0.20	6	-0.32	6	-0.13	
Fish transfer factor for Pb	9	-0.27	6	-0.29	32	-0.15	32	-0.06	
Plant transfer factor for Np	45	-0.11	54	-0.08	13	0.25	13	0.10	
Meat transfer factor for Np	2	-0.39	2	-0.36	9	-0.29	9	-0.12	
Milk transfer factor for Np	68	0.03	68	0.03	26	-0.17	25	-0.07	
Fish transfer factor for Np	24	0.20	25	0.16	24	0.18	24	0.07	
Plant transfer factor for Pu	60	-0.05	61	-0.04	23	0.18	23	0.07	
Meat transfer factor for Pu	50	0.09	55	0.07	58	0.05	58	0.02	
Milk transfer factor for Pu	70	-0.03	70	-0.02	55	0.06	56	0.02	
Fish transfer factor for Pu	29	0.18	26	0.16	47	0.08	47	0.03	
Plant transfer factor for Pa	42	0.11	45	0.11	60	-0.04	60	-0.02	
Meat transfer factor for Pa	37	0.14	44	0.11	73	0.00	73	0.00	
Milk transfer factor for Pa	51	-0.08	51	-0.08	36	-0.14	37	-0.05	
Fish transfer factor for Pa	44	0.11	50	0.08	21	-0.18	21	-0.07	
Plant transfer factor for Ra	10	0.26	13	0.23	22	-0.18	22	-0.07	
Meat transfer factor for Ra	35	0.15	42	0.11	15	0.24	15	0.10	
Milk transfer factor for Ra	66	0.04	65	0.03	54	-0.06	54	-0.02	
Fish transfer factor for Ra	71	0.02	71	0.02	27	-0.17	27	-0.07	
Plant transfer factor for Tc	43	0.11	37	0.13	14	0.24	14	0.10	
Meat transfer factor for Tc	11	0.26	8	0.28	43	0.11	43	0.04	
Milk transfer factor for Tc	15	-0.26	22	-0.19	44	0.09	44	0.04	
Fish transfer factor for Tc	14	-0.26	12	-0.23	38	0.13	40	0.05	
Plant transfer factor for Th	62	-0.05	63	-0.04	48	-0.07	48	-0.03	
Meat transfer factor for Th	52	-0.08	47	-0.09	31	0.16	29	0.06	
Milk transfer factor for Th	34	-0.16	40	-0.13	11	-0.27	11	-0.11	
Fish transfer factor for Th	46	-0.10	48	-0.09	57	0.06	57	0.02	
Plant transfer factor for U	32	0.17	38	0.13	18	-0.22	18	-0.09	
Meat transfer factor for U	1	-0.40	5	-0.32	49	0.07	49	0.03	
Milk transfer factor for U	53	-0.08	58	-0.05	65	0.03	65	0.01	
Fish transfer factor for U	16	-0.25	16	-0.20	35	-0.14	35	-0.05	
Well pumping rate	27	-0.18	34	-0.14	17	0.24	17	0.09	
Inhalation rate	13	-0.26	15	-0.21	63	0.04	63	0.01	
Indoor dust filtration factor	40	-0.12	46	-0.10	10	-0.28	10	-0.11	
Depth of soil mixing layer	7	0.34	9	0.28	8	0.30	8	0.12	
Depth of roots	39	0.13	43	0.11	67	0.03	67	0.01	
Wet weight crop yield of fruit, grain and non-leafy vegetables	22	-0.22	23	-0.17	46	-0.08	46	-0.03	
Weathering removal constant of all vegetation	17	-0.24	17	-0.20	19	-0.19	19	-0.08	
Wet foliar interception fraction of leafy vegetables	41	0.12	49	0.08	64	-0.04	64	-0.01	

R-SQUARE 0.73 0.73 0.86 0.86

-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	71	-0.01	71	-0.01	65	0.04	65	0.02
Kd of Ac-227 in Unsaturated Zone 1	9	-0.24	11	-0.23	19	-0.24	19	-0.09
Kd of Ac-227 in Saturated Zone	20	0.16	17	0.16	32	-0.15	34	-0.05
Kd of Np-237 in Contaminated Zone	56	-0.05	47	-0.06	51	-0.09	51	-0.03
Kd of Np-237 in Unsaturated Zone 1	5	-0.26	5	-0.34	1	-0.87	1	-0.65
Kd of Np-237 in Saturated Zone	13	-0.20	12	-0.21	31	-0.15	31	-0.06
Kd of Pa-231 in Contaminated Zone	38	0.09	6	0.32	73	0.00	73	0.00
Kd of Pa-231 in Unsaturated Zone 1	53	0.05	42	0.08	2	-0.63	2	-0.30
Kd of Pa-231 in Saturated Zone	23	-0.14	4	-0.36	35	-0.13	36	-0.05
Kd of Pb-210 in Contaminated Zone	29	0.11	24	0.12	56	0.05	57	0.02
Kd of Pb-210 in Unsaturated Zone 1	11	0.22	15	0.20	28	0.15	28	0.06
Kd of Pb-210 in Saturated Zone	63	0.02	65	0.02	23	0.21	23	0.08
Kd of Pu-239 in Contaminated Zone	22	-0.14	30	-0.10	50	-0.09	50	-0.03
Kd of Pu-239 in Unsaturated Zone 1	52	-0.06	58	-0.05	10	-0.33	10	-0.13
Kd of Pu-239 in Saturated Zone	51	0.06	57	0.05	54	-0.07	54	-0.02
Kd of Ra-226 in Contaminated Zone	37	0.09	45	0.07	13	0.27	13	0.11
Kd of Ra-226 in Unsaturated Zone 1	72	0.00	69	0.01	68	-0.02	68	-0.01
Kd of Ra-226 in Saturated Zone	49	0.06	54	0.05	34	-0.14	33	-0.05
Kd of Tc-99 in Saturated Zone	2	-0.31	7	-0.28	42	-0.12	42	-0.04
Kd of Th-229 in Contaminated Zone	59	-0.04	55	-0.05	49	-0.09	49	-0.04
Kd of Th-229 in Unsaturated Zone 1	73	0.00	73	0.00	55	0.06	55	0.02
Kd of Th-229 in Saturated Zone	6	-0.25	3	-0.41	45	-0.10	45	-0.04
Kd of Th-230 in Contaminated Zone	65	0.02	51	0.06	27	-0.16	27	-0.06
Kd of Th-230 in Unsaturated Zone 1	69	0.01	56	0.05	48	0.10	48	0.04
Kd of Th-230 in Saturated Zone	39	-0.09	26	-0.11	16	-0.25	16	-0.10
Kd of U-233 in Saturated Zone	16	-0.18	23	-0.14	58	-0.05	59	-0.02
Kd of U-234 in Saturated Zone	48	0.07	44	0.08	12	-0.28	12	-0.11
Kd of U-235 in Saturated Zone	57	0.04	60	0.03	40	-0.12	39	-0.04
Kd of U-238 in Saturated Zone	62	0.02	61	0.03	22	0.22	22	0.08
Plant transfer factor for Ac	34	0.10	38	0.09	69	-0.01	69	-0.01
Meat transfer factor for Ac	41	0.08	46	0.07	66	-0.04	66	-0.02
Milk transfer factor for Ac	31	0.11	43	0.08	70	0.01	70	0.00
Fish transfer factor for Ac	47	-0.07	52	-0.06	39	0.12	40	0.04
Plant transfer factor for Pb	67	-0.02	68	-0.02	21	0.22	21	0.08
Meat transfer factor for Pb	60	-0.04	62	-0.03	24	-0.20	24	-0.07
Milk transfer factor for Pb	70	-0.01	72	-0.01	47	0.10	47	0.04
Fish transfer factor for Pb	36	-0.10	40	-0.08	67	0.03	67	0.01
Plant transfer factor for Np	3	0.29	2	0.49	5	0.39	5	0.16
Meat transfer factor for Np	50	-0.06	53	-0.06	26	-0.18	25	-0.07
Milk transfer factor for Np	14	0.18	20	0.15	71	0.01	71	0.00
Fish transfer factor for Np	66	0.02	66	0.02	25	-0.18	26	-0.07
Plant transfer factor for Pu	54	-0.05	48	-0.06	64	-0.04	64	-0.02
Meat transfer factor for Pu	19	0.17	18	0.16	38	-0.13	38	-0.05
Milk transfer factor for Pu	55	-0.05	59	-0.04	20	-0.22	20	-0.08
Fish transfer factor for Pu	21	-0.15	19	-0.16	63	0.04	63	0.02
Plant transfer factor for Pa	44	0.08	32	0.10	53	-0.08	53	-0.03
Meat transfer factor for Pa	4	0.27	13	0.21	57	-0.05	56	-0.02
Milk transfer factor for Pa	17	-0.17	9	-0.24	29	-0.15	29	-0.06
Fish transfer factor for Pa	30	-0.11	34	-0.09	36	0.13	35	0.05
Plant transfer factor for Ra	28	0.12	25	0.12	37	-0.13	37	-0.05
Meat transfer factor for Ra	12	0.20	16	0.19	43	0.11	43	0.04
Milk transfer factor for Ra	8	0.24	8	0.25	41	0.12	41	0.04
Fish transfer factor for Ra	10	0.22	10	0.23	33	0.14	32	0.05
Plant transfer factor for Tc	40	0.09	35	0.09	7	0.36	7	0.14
Meat transfer factor for Tc	58	-0.04	63	-0.03	3	-0.44	3	-0.18
Milk transfer factor for Tc	42	-0.08	41	-0.08	14	-0.27	14	-0.11
Fish transfer factor for Tc	33	-0.10	36	-0.09	11	-0.30	11	-0.11
Plant transfer factor for Th	35	-0.10	29	-0.10	6	-0.39	6	-0.16
Meat transfer factor for Th	68	-0.01	70	-0.01	18	0.24	18	0.09
Milk transfer factor for Th	27	0.12	31	0.10	46	0.10	46	0.04
Fish transfer factor for Th	1	0.58	1	0.58	60	0.05	60	0.02
Plant transfer factor for U	64	-0.02	67	-0.02	59	0.05	58	0.02
Meat transfer factor for U	46	0.07	49	0.06	44	0.10	44	0.04
Milk transfer factor for U	43	-0.08	39	-0.09	61	-0.05	61	-0.02
Fish transfer factor for U	26	0.12	33	0.10	62	0.05	62	0.02
Well pumping rate	18	0.17	22	0.15	9	0.34	9	0.13
Inhalation rate	61	0.03	64	0.03	15	0.27	15	0.10
Indoor dust filtration factor	24	0.14	27	0.11	4	-0.42	4	-0.17
Depth of soil mixing layer	25	-0.13	28	-0.10	17	-0.24	17	-0.10
Depth of roots	45	0.07	50	0.06	30	0.15	30	0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	-0.18	21	-0.15	52	0.09	52	0.03
Weathering removal constant of all vegetation	7	-0.24	14	-0.20	8	-0.35	8	-0.14
Wet foliar interception fraction of leafy vegetables	32	-0.10	37	-0.09	72	-0.01	72	0.00

R-SQUARE 0.69 0.69 0.87 0.87

-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	52	0.11	53	0.06	25	-0.23	24	-0.08
Kd of Ac-227 in Unsaturated Zone 1	22	-0.23	8	-0.24	40	-0.16	40	-0.05
Kd of Ac-227 in Saturated Zone	9	0.35	6	0.25	45	-0.13	45	-0.04
Kd of Np-237 in Contaminated Zone	11	-0.32	7	-0.25	29	-0.21	29	-0.07
Kd of Np-237 in Unsaturated Zone 1	30	-0.21	30	-0.12	1	-0.92	1	-0.73
Kd of Np-237 in Saturated Zone	6	-0.37	12	-0.21	2	-0.53	2	-0.20
Kd of Pa-231 in Contaminated Zone	25	-0.22	16	-0.17	63	0.04	63	0.01
Kd of Pa-231 in Unsaturated Zone 1	1	0.71	3	0.54	15	-0.27	15	-0.09
Kd of Pa-231 in Saturated Zone	31	-0.20	32	-0.11	46	-0.11	46	-0.04
Kd of Pb-210 in Contaminated Zone	12	-0.30	2	-0.74	34	-0.18	35	-0.06
Kd of Pb-210 in Unsaturated Zone 1	43	-0.13	49	-0.07	60	-0.05	60	-0.02
Kd of Pb-210 in Saturated Zone	8	0.36	10	0.22	37	0.17	37	0.06
Kd of Pu-239 in Contaminated Zone	72	-0.01	72	-0.01	65	0.03	65	0.01
Kd of Pu-239 in Unsaturated Zone 1	37	-0.15	28	-0.12	52	-0.09	52	-0.03
Kd of Pu-239 in Saturated Zone	51	0.11	56	0.06	49	-0.10	49	-0.03
Kd of Ra-226 in Contaminated Zone	24	-0.22	22	-0.13	41	0.15	42	0.05
Kd of Ra-226 in Unsaturated Zone 1	53	0.10	51	0.06	22	-0.24	23	-0.08
Kd of Ra-226 in Saturated Zone	35	-0.17	25	-0.13	26	0.22	26	0.07
Kd of Tc-99 in Saturated Zone	13	0.29	1	0.75	12	0.28	11	0.10
Kd of Th-229 in Contaminated Zone	57	0.09	45	0.07	55	-0.09	55	-0.03
Kd of Th-229 in Unsaturated Zone 1	36	-0.17	36	-0.10	18	-0.25	18	-0.08
Kd of Th-229 in Saturated Zone	26	-0.22	21	-0.14	16	-0.26	16	-0.09
Kd of Th-230 in Contaminated Zone	69	0.03	70	0.01	20	0.24	19	0.08
Kd of Th-230 in Unsaturated Zone 1	45	0.13	39	0.09	6	-0.37	6	-0.13
Kd of Th-230 in Saturated Zone	67	-0.03	64	-0.02	70	0.02	70	0.01
Kd of U-233 in Saturated Zone	71	0.01	71	0.01	50	0.10	50	0.03
Kd of U-234 in Saturated Zone	68	-0.03	69	-0.01	17	0.25	17	0.09
Kd of U-235 in Saturated Zone	70	-0.03	68	-0.02	54	-0.09	54	-0.03
Kd of U-238 in Saturated Zone	55	0.10	50	0.06	9	0.29	10	0.10
Plant transfer factor for Ac	54	-0.10	57	-0.06	35	0.18	34	0.06
Meat transfer factor for Ac	40	-0.14	34	-0.10	73	0.01	73	0.00
Milk transfer factor for Ac	42	-0.13	44	-0.07	67	-0.03	67	-0.01
Fish transfer factor for Ac	29	-0.21	33	-0.11	44	-0.15	44	-0.05
Plant transfer factor for Pb	62	-0.05	62	-0.03	57	0.07	57	0.02
Meat transfer factor for Pb	34	-0.18	38	-0.09	11	-0.28	12	-0.09
Milk transfer factor for Pb	14	0.28	18	0.16	71	-0.02	72	-0.01
Fish transfer factor for Pb	60	0.07	61	0.03	23	0.24	22	0.08
Plant transfer factor for Np	38	0.15	41	0.08	33	-0.18	33	-0.06
Meat transfer factor for Np	65	0.03	66	0.02	7	0.36	7	0.12
Milk transfer factor for Np	73	-0.01	73	0.00	42	-0.15	41	-0.05
Fish transfer factor for Np	15	-0.28	17	-0.16	38	-0.17	38	-0.05
Plant transfer factor for Pu	16	-0.26	19	-0.15	56	0.07	56	0.02
Meat transfer factor for Pu	17	0.25	20	0.14	39	-0.16	39	-0.05
Milk transfer factor for Pu	41	-0.13	46	-0.07	58	0.06	58	0.02
Fish transfer factor for Pu	32	0.18	37	0.10	24	0.23	25	0.08
Plant transfer factor for Pa	4	-0.44	9	-0.23	48	0.10	48	0.03
Meat transfer factor for Pa	18	-0.25	15	-0.18	19	-0.25	20	-0.08
Milk transfer factor for Pa	7	-0.36	14	-0.21	53	0.09	53	0.03
Fish transfer factor for Pa	20	0.24	24	0.13	36	-0.17	36	-0.06
Plant transfer factor for Ra	47	-0.12	43	-0.08	47	-0.11	47	-0.03
Meat transfer factor for Ra	33	-0.18	35	-0.10	51	-0.09	51	-0.03
Milk transfer factor for Ra	63	0.04	63	0.02	72	0.02	71	0.01
Fish transfer factor for Ra	49	-0.12	52	-0.06	61	-0.05	61	-0.02
Plant transfer factor for Tc	10	0.34	13	0.21	5	0.38	5	0.13
Meat transfer factor for Tc	59	-0.08	58	-0.05	43	0.15	43	0.05
Milk transfer factor for Tc	56	0.09	55	0.06	66	-0.03	66	-0.01
Fish transfer factor for Tc	50	0.11	54	0.06	14	-0.27	14	-0.09
Plant transfer factor for Th	66	-0.03	67	-0.02	4	0.41	4	0.15
Meat transfer factor for Th	2	0.51	4	0.33	68	-0.02	68	-0.01
Milk transfer factor for Th	27	-0.22	27	-0.12	28	-0.22	28	-0.07
Fish transfer factor for Th	48	0.12	47	0.07	64	-0.04	64	-0.01
Plant transfer factor for U	5	0.40	11	0.22	13	0.28	13	0.09
Meat transfer factor for U	3	0.49	5	0.27	59	-0.06	59	-0.02
Milk transfer factor for U	39	-0.14	42	-0.08	69	0.02	69	0.01
Fish transfer factor for U	19	0.24	23	0.13	8	0.31	8	0.11
Well pumping rate	23	-0.22	29	-0.12	21	-0.24	21	-0.08
Inhalation rate	44	0.13	40	0.08	3	0.42	3	0.15
Indoor dust filtration factor	58	-0.08	59	-0.04	31	0.19	30	0.06
Depth of soil mixing layer	46	0.12	48	0.07	30	-0.19	31	-0.06
Depth of roots	61	0.06	60	0.04	32	-0.19	32	-0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	28	-0.22	26	-0.12	10	0.29	9	0.10
Weathering removal constant of all vegetation	64	0.04	65	0.02	27	-0.22	27	-0.07
Wet foliar interception fraction of leafy vegetables	21	0.24	31	0.11	62	0.04	62	0.01

R-SQUARE 0.86 0.86 0.90 0.90

-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	Coef	Sig	Coef	Sig	Coef	Sig	Coef
Kd of Ac-227 in Contaminated Zone	49	-0.07	52	-0.04	41	0.11	41	0.04
Kd of Ac-227 in Unsaturated Zone 1	53	-0.06	50	-0.05	35	0.13	33	0.05
Kd of Ac-227 in Saturated Zone	66	-0.03	67	-0.02	62	0.04	62	0.02
Kd of Np-237 in Contaminated Zone	15	-0.22	15	-0.14	5	-0.34	5	-0.14
Kd of Np-237 in Unsaturated Zone 1	10	-0.23	19	-0.13	1	-0.87	1	-0.67
Kd of Np-237 in Saturated Zone	6	-0.29	8	-0.18	3	-0.48	3	-0.21
Kd of Pa-231 in Contaminated Zone	60	0.05	62	0.03	20	0.19	20	0.07
Kd of Pa-231 in Unsaturated Zone 1	48	0.07	54	0.04	2	-0.49	2	-0.21
Kd of Pa-231 in Saturated Zone	32	0.13	27	0.10	55	-0.06	55	-0.02
Kd of Pb-210 in Contaminated Zone	46	0.08	17	0.13	40	-0.11	40	-0.04
Kd of Pb-210 in Unsaturated Zone 1	2	0.41	2	0.50	69	0.02	69	0.01
Kd of Pb-210 in Saturated Zone	42	-0.09	14	-0.15	4	-0.45	4	-0.19
Kd of Pu-239 in Contaminated Zone	45	-0.08	34	-0.09	60	0.05	61	0.02
Kd of Pu-239 in Unsaturated Zone 1	39	-0.09	43	-0.06	52	0.06	52	0.02
Kd of Pu-239 in Saturated Zone	57	-0.06	31	-0.09	17	0.20	18	0.08
Kd of Ra-226 in Contaminated Zone	70	-0.02	70	-0.01	58	0.05	58	0.02
Kd of Ra-226 in Unsaturated Zone 1	50	-0.07	49	-0.05	36	-0.12	37	-0.05
Kd of Ra-226 in Saturated Zone	63	-0.04	64	-0.02	22	-0.18	22	-0.07
Kd of Tc-99 in Saturated Zone	34	-0.12	41	-0.07	21	-0.18	21	-0.07
Kd of Th-229 in Contaminated Zone	41	0.09	13	0.15	29	-0.14	29	-0.05
Kd of Th-229 in Unsaturated Zone 1	3	-0.31	3	-0.25	68	0.03	68	0.01
Kd of Th-229 in Saturated Zone	59	0.05	59	0.03	39	0.11	39	0.04
Kd of Th-230 in Contaminated Zone	69	0.02	69	0.02	18	0.20	17	0.08
Kd of Th-230 in Unsaturated Zone 1	22	0.15	24	0.10	25	-0.16	25	-0.06
Kd of Th-230 in Saturated Zone	64	0.04	63	0.03	57	0.05	57	0.02
Kd of U-233 in Saturated Zone	23	-0.15	32	-0.09	45	-0.08	45	-0.03
Kd of U-234 in Saturated Zone	1	0.71	1	0.63	50	-0.07	49	-0.03
Kd of U-235 in Saturated Zone	55	0.06	56	0.04	70	-0.02	70	-0.01
Kd of U-238 in Saturated Zone	36	-0.11	44	-0.06	13	-0.24	14	-0.09
Plant transfer factor for Ac	68	-0.02	66	-0.02	72	-0.01	72	0.00
Meat transfer factor for Ac	9	0.25	6	0.19	14	0.23	13	0.09
Milk transfer factor for Ac	47	0.08	46	0.05	65	0.03	65	0.01
Fish transfer factor for Ac	56	-0.06	53	-0.04	48	-0.07	48	-0.03
Plant transfer factor for Pb	72	-0.01	72	0.00	11	0.28	11	0.11
Meat transfer factor for Pb	7	-0.27	9	-0.17	66	-0.03	66	-0.01
Milk transfer factor for Pb	28	0.13	38	0.08	6	-0.34	6	-0.14
Fish transfer factor for Pb	17	-0.19	11	-0.16	38	-0.12	38	-0.05
Plant transfer factor for Np	40	-0.09	47	-0.05	16	0.20	16	0.08
Meat transfer factor for Np	44	-0.08	45	-0.06	28	-0.14	28	-0.06
Milk transfer factor for Np	35	0.12	39	0.08	24	-0.17	23	-0.06
Fish transfer factor for Np	30	0.13	37	0.08	23	0.17	24	0.06
Plant transfer factor for Pu	8	-0.27	10	-0.17	34	0.13	34	0.05
Meat transfer factor for Pu	31	-0.13	36	-0.08	67	0.03	67	0.01
Milk transfer factor for Pu	58	0.05	61	0.03	53	0.06	53	0.02
Fish transfer factor for Pu	52	0.06	51	0.04	49	0.07	50	0.03
Plant transfer factor for Pa	61	-0.05	57	-0.04	42	-0.09	42	-0.04
Meat transfer factor for Pa	54	0.06	55	0.04	71	-0.02	71	-0.01
Milk transfer factor for Pa	21	-0.16	20	-0.13	26	-0.16	27	-0.06
Fish transfer factor for Pa	26	0.15	33	0.09	30	-0.14	30	-0.05
Plant transfer factor for Ra	27	0.15	25	0.10	27	-0.16	26	-0.06
Meat transfer factor for Ra	12	0.23	16	0.14	10	0.28	9	0.11
Milk transfer factor for Ra	13	-0.22	12	-0.15	46	-0.08	46	-0.03
Fish transfer factor for Ra	73	0.00	73	0.00	32	-0.13	32	-0.05
Plant transfer factor for Tc	37	0.10	26	0.10	9	0.28	10	0.11
Meat transfer factor for Tc	11	0.23	5	0.19	47	0.07	47	0.03
Milk transfer factor for Tc	29	-0.13	40	-0.07	59	0.05	59	0.02
Fish transfer factor for Tc	19	-0.17	21	-0.12	33	0.13	35	0.05
Plant transfer factor for Th	65	0.03	65	0.02	63	-0.04	63	-0.01
Meat transfer factor for Th	38	0.10	35	0.09	44	0.08	44	0.03
Milk transfer factor for Th	24	-0.15	30	-0.09	15	-0.21	15	-0.08
Fish transfer factor for Th	67	0.03	68	0.02	51	0.07	51	0.03
Plant transfer factor for U	20	0.16	28	0.10	7	-0.31	7	-0.12
Meat transfer factor for U	14	-0.22	18	-0.13	61	0.05	60	0.02
Milk transfer factor for U	33	-0.12	42	-0.07	54	0.06	54	0.02
Fish transfer factor for U	43	-0.09	48	-0.05	37	-0.12	36	-0.05
Well pumping rate	16	-0.20	23	-0.12	19	0.20	19	0.08
Inhalation rate	62	-0.05	60	-0.03	64	0.04	64	0.01
Indoor dust filtration factor	71	-0.01	71	-0.01	12	-0.27	12	-0.11
Depth of soil mixing layer	5	0.30	7	0.18	8	0.29	8	0.11
Depth of roots	25	0.15	29	0.09	73	-0.01	73	0.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	4	-0.30	4	-0.20	56	-0.06	56	-0.02
Weathering removal constant of all vegetation	18	-0.19	22	-0.12	43	-0.09	43	-0.03
Wet foliar interception fraction of leafy vegetables	51	-0.06	58	-0.04	31	-0.13	31	-0.05

R-SQUARE 0.83 0.83 0.86 0.86

-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		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	
Kd of Ac-227 in Contaminated Zone	54	-0.04	46	-0.06	58	0.06	58	0.02	
Kd of Ac-227 in Unsaturated Zone 1	8	-0.24	16	-0.23	10	-0.27	10	-0.09	
Kd of Ac-227 in Saturated Zone	45	0.06	43	0.07	24	-0.18	24	-0.06	
Kd of Np-237 in Contaminated Zone	42	-0.07	35	-0.09	51	-0.08	50	-0.03	
Kd of Np-237 in Unsaturated Zone 1	7	-0.25	7	-0.34	1	-0.91	1	-0.77	
Kd of Np-237 in Saturated Zone	21	-0.15	21	-0.17	16	-0.21	16	-0.07	
Kd of Pa-231 in Contaminated Zone	20	0.15	2	0.55	38	0.14	37	0.05	
Kd of Pa-231 in Unsaturated Zone 1	19	0.16	12	0.27	2	-0.44	2	-0.17	
Kd of Pa-231 in Saturated Zone	28	-0.12	8	-0.33	53	0.07	53	0.02	
Kd of Pb-210 in Contaminated Zone	23	0.14	22	0.16	62	0.03	62	0.01	
Kd of Pb-210 in Unsaturated Zone 1	16	0.18	23	0.16	9	0.28	9	0.10	
Kd of Pb-210 in Saturated Zone	53	0.04	55	0.04	27	0.17	27	0.06	
Kd of Pu-239 in Contaminated Zone	57	-0.04	60	-0.03	57	-0.06	57	-0.02	
Kd of Pu-239 in Unsaturated Zone 1	48	-0.05	53	-0.05	5	-0.37	5	-0.14	
Kd of Pu-239 in Saturated Zone	31	0.11	34	0.10	73	0.00	73	0.00	
Kd of Ra-226 in Contaminated Zone	40	0.08	44	0.07	15	0.23	15	0.08	
Kd of Ra-226 in Unsaturated Zone 1	27	-0.13	3	-0.52	41	0.11	41	0.04	
Kd of Ra-226 in Saturated Zone	30	0.12	36	0.09	43	-0.10	43	-0.04	
Kd of Tc-99 in Saturated Zone	2	-0.33	9	-0.30	40	-0.12	40	-0.04	
Kd of Th-229 in Contaminated Zone	43	-0.06	39	-0.08	39	-0.13	39	-0.05	
Kd of Th-229 in Unsaturated Zone 1	50	-0.05	45	-0.06	61	-0.04	61	-0.02	
Kd of Th-229 in Saturated Zone	10	-0.23	5	-0.40	28	-0.17	28	-0.06	
Kd of Th-230 in Contaminated Zone	41	-0.07	17	-0.23	69	-0.01	69	0.00	
Kd of Th-230 in Unsaturated Zone 1	24	0.14	1	0.57	56	0.07	56	0.02	
Kd of Th-230 in Saturated Zone	36	0.10	28	0.13	31	-0.16	32	-0.05	
Kd of U-233 in Saturated Zone	37	-0.09	38	-0.08	35	-0.14	35	-0.05	
Kd of U-234 in Saturated Zone	56	0.04	50	0.05	21	-0.19	21	-0.07	
Kd of U-235 in Saturated Zone	58	0.03	61	0.03	44	-0.10	44	-0.03	
Kd of U-238 in Saturated Zone	69	-0.01	66	-0.01	19	0.19	20	0.07	
Plant transfer factor for Ac	70	0.01	71	0.01	52	0.08	52	0.03	
Meat transfer factor for Ac	55	-0.04	56	-0.04	72	0.00	71	0.00	
Milk transfer factor for Ac	34	-0.10	40	-0.08	50	-0.08	51	-0.03	
Fish transfer factor for Ac	64	-0.03	65	-0.02	36	0.14	36	0.05	
Plant transfer factor for Pb	66	-0.01	67	-0.01	17	0.20	18	0.07	
Meat transfer factor for Pb	59	-0.03	59	-0.03	25	-0.17	26	-0.06	
Milk transfer factor for Pb	73	0.00	73	0.00	71	0.00	72	0.00	
Fish transfer factor for Pb	60	-0.03	58	-0.03	34	0.14	34	0.05	
Plant transfer factor for Np	5	0.26	4	0.45	11	0.25	11	0.09	
Meat transfer factor for Np	14	0.18	19	0.18	45	0.09	47	0.03	
Milk transfer factor for Np	3	0.28	14	0.25	64	0.03	64	0.01	
Fish transfer factor for Np	65	0.02	64	0.02	37	-0.14	38	-0.05	
Plant transfer factor for Pu	62	-0.03	57	-0.04	65	0.02	65	0.01	
Meat transfer factor for Pu	52	0.04	54	0.04	55	-0.07	55	-0.02	
Milk transfer factor for Pu	72	0.00	72	0.00	18	-0.20	17	-0.07	
Fish transfer factor for Pu	49	-0.05	47	-0.05	63	0.03	63	0.01	
Plant transfer factor for Pa	33	0.11	26	0.14	30	-0.16	30	-0.06	
Meat transfer factor for Pa	13	0.21	20	0.17	68	0.01	68	0.00	
Milk transfer factor for Pa	6	-0.26	6	-0.37	22	-0.18	22	-0.06	
Fish transfer factor for Pa	38	-0.09	41	-0.07	70	0.00	70	0.00	
Plant transfer factor for Ra	11	0.23	15	0.25	42	-0.11	42	-0.04	
Meat transfer factor for Ra	47	-0.05	48	-0.05	29	0.17	29	0.06	
Milk transfer factor for Ra	35	0.10	33	0.10	47	0.09	46	0.03	
Fish transfer factor for Ra	4	0.26	11	0.29	33	0.14	33	0.05	
Plant transfer factor for Tc	9	0.23	13	0.26	4	0.41	4	0.15	
Meat transfer factor for Tc	39	-0.08	42	-0.07	3	-0.42	3	-0.16	
Milk transfer factor for Tc	63	-0.03	62	-0.03	20	-0.19	19	-0.07	
Fish transfer factor for Tc	25	-0.13	29	-0.12	14	-0.23	14	-0.08	
Plant transfer factor for Th	51	-0.05	52	-0.05	8	-0.28	8	-0.10	
Meat transfer factor for Th	44	-0.06	49	-0.05	12	0.25	12	0.09	
Milk transfer factor for Th	29	0.12	32	0.11	60	0.05	60	0.02	
Fish transfer factor for Th	1	0.33	10	0.29	59	0.05	59	0.02	
Plant transfer factor for U	67	-0.01	68	-0.01	46	0.09	45	0.03	
Meat transfer factor for U	46	-0.05	51	-0.05	67	0.02	67	0.01	
Milk transfer factor for U	71	0.01	70	0.01	66	-0.02	66	-0.01	
Fish transfer factor for U	32	0.11	37	0.09	49	-0.08	49	-0.03	
Well pumping rate	17	0.18	24	0.16	6	0.36	6	0.13	
Inhalation rate	15	0.18	25	0.16	7	0.30	7	0.11	
Indoor dust filtration factor	22	0.14	30	0.12	13	-0.24	13	-0.09	
Depth of soil mixing layer	18	-0.17	27	-0.13	32	-0.16	31	-0.06	
Depth of roots	68	-0.01	69	-0.01	23	0.18	23	0.06	
Wet weight crop yield of fruit, grain and non-leafy vegetables	61	0.03	63	0.03	26	0.17	25	0.06	
Weathering removal constant of all vegetation	12	-0.22	18	-0.19	48	-0.09	48	-0.03	
Wet foliar interception fraction of leafy vegetables	26	-0.13	31	-0.11	54	-0.07	54	-0.02	

R-SQUARE 0.66 0.66 0.89 0.89

-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	53	0.08	54	0.04	24	-0.24	24	-0.08
Kd of Ac-227 in Unsaturated Zone 1	66	-0.02	64	-0.02	43	-0.13	42	-0.04
Kd of Ac-227 in Saturated Zone	23	0.21	20	0.11	33	-0.21	33	-0.07
Kd of Np-237 in Contaminated Zone	41	-0.14	29	-0.08	17	-0.30	17	-0.10
Kd of Np-237 in Unsaturated Zone 1	28	-0.19	31	-0.08	1	-0.91	1	-0.69
Kd of Np-237 in Saturated Zone	8	-0.32	13	-0.14	2	-0.58	2	-0.22
Kd of Pa-231 in Contaminated Zone	17	-0.25	11	-0.15	71	-0.01	71	0.00
Kd of Pa-231 in Unsaturated Zone 1	1	0.89	1	0.79	5	-0.41	5	-0.14
Kd of Pa-231 in Saturated Zone	42	-0.14	42	-0.06	36	-0.19	36	-0.06
Kd of Pb-210 in Contaminated Zone	24	-0.21	2	-0.38	62	-0.06	62	-0.02
Kd of Pb-210 in Unsaturated Zone 1	31	-0.17	36	-0.07	54	-0.11	54	-0.04
Kd of Pb-210 in Saturated Zone	32	0.17	32	0.08	26	0.23	26	0.08
Kd of Pu-239 in Contaminated Zone	46	0.12	47	0.05	61	0.07	61	0.02
Kd of Pu-239 in Unsaturated Zone 1	63	0.04	60	0.03	49	-0.12	48	-0.04
Kd of Pu-239 in Saturated Zone	22	0.21	27	0.08	72	0.01	72	0.00
Kd of Ra-226 in Contaminated Zone	9	-0.32	10	-0.15	39	0.17	39	0.06
Kd of Ra-226 in Unsaturated Zone 1	57	0.07	56	0.03	28	-0.23	30	-0.08
Kd of Ra-226 in Saturated Zone	71	-0.01	71	0.00	29	0.23	28	0.08
Kd of Tc-99 in Saturated Zone	29	0.18	3	0.36	32	0.21	32	0.07
Kd of Th-229 in Contaminated Zone	68	-0.02	67	-0.01	51	-0.11	51	-0.04
Kd of Th-229 in Unsaturated Zone 1	11	-0.30	14	-0.13	16	-0.30	16	-0.10
Kd of Th-229 in Saturated Zone	62	-0.05	62	-0.02	10	-0.36	10	-0.12
Kd of Th-230 in Contaminated Zone	40	0.15	43	0.06	20	0.26	20	0.09
Kd of Th-230 in Unsaturated Zone 1	60	0.06	58	0.03	12	-0.32	12	-0.11
Kd of Th-230 in Saturated Zone	34	-0.17	23	-0.10	73	0.00	73	0.00
Kd of U-233 in Saturated Zone	55	-0.07	53	-0.04	63	0.05	63	0.02
Kd of U-234 in Saturated Zone	73	0.00	73	0.00	19	0.26	19	0.09
Kd of U-235 in Saturated Zone	65	-0.02	65	-0.01	35	-0.20	35	-0.06
Kd of U-238 in Saturated Zone	51	0.09	49	0.04	8	0.37	9	0.12
Plant transfer factor for Ac	30	-0.18	33	-0.08	30	0.23	29	0.08
Meat transfer factor for Ac	54	-0.07	51	-0.04	68	0.03	68	0.01
Milk transfer factor for Ac	2	-0.43	4	-0.20	40	-0.16	40	-0.05
Fish transfer factor for Ac	35	-0.17	37	-0.06	52	-0.11	52	-0.04
Plant transfer factor for Pb	20	-0.23	22	-0.10	38	0.19	38	0.06
Meat transfer factor for Pb	59	-0.07	61	-0.03	23	-0.25	23	-0.08
Milk transfer factor for Pb	15	0.26	19	0.11	69	0.02	69	0.01
Fish transfer factor for Pb	21	-0.21	30	-0.08	9	0.36	8	0.12
Plant transfer factor for Np	4	0.38	6	0.17	46	-0.12	47	-0.04
Meat transfer factor for Np	50	-0.09	52	-0.04	66	0.04	66	0.01
Milk transfer factor for Np	7	0.35	5	0.20	60	0.07	60	0.02
Fish transfer factor for Np	67	-0.02	68	-0.01	21	-0.26	21	-0.08
Plant transfer factor for Pu	16	-0.26	17	-0.11	34	0.20	34	0.07
Meat transfer factor for Pu	5	0.37	8	0.16	41	-0.14	41	-0.04
Milk transfer factor for Pu	43	-0.14	44	-0.05	56	0.11	56	0.03
Fish transfer factor for Pu	44	0.13	45	0.05	13	0.31	15	0.10
Plant transfer factor for Pa	12	-0.28	21	-0.11	58	0.08	58	0.03
Meat transfer factor for Pa	47	-0.11	41	-0.06	22	-0.26	22	-0.08
Milk transfer factor for Pa	6	-0.36	9	-0.16	42	0.13	43	0.04
Fish transfer factor for Pa	13	0.28	15	0.11	57	-0.08	57	-0.03
Plant transfer factor for Ra	69	-0.01	69	-0.01	44	-0.13	44	-0.04
Meat transfer factor for Ra	38	0.15	39	0.06	64	-0.05	64	-0.02
Milk transfer factor for Ra	25	0.20	25	0.09	50	0.11	50	0.04
Fish transfer factor for Ra	72	0.00	72	0.00	59	-0.08	59	-0.03
Plant transfer factor for Tc	36	0.16	34	0.07	4	0.43	4	0.15
Meat transfer factor for Tc	64	0.03	66	0.01	45	0.12	45	0.04
Milk transfer factor for Tc	56	0.07	55	0.03	65	-0.04	65	-0.01
Fish transfer factor for Tc	45	0.12	46	0.05	11	-0.33	11	-0.11
Plant transfer factor for Th	58	-0.07	59	-0.03	3	0.43	3	0.15
Meat transfer factor for Th	10	0.32	12	0.14	47	-0.12	46	-0.04
Milk transfer factor for Th	49	-0.09	50	-0.04	18	-0.28	18	-0.09
Fish transfer factor for Th	26	0.19	26	0.08	53	-0.11	53	-0.04
Plant transfer factor for U	37	0.16	38	0.06	31	0.22	31	0.07
Meat transfer factor for U	3	0.41	7	0.16	55	-0.11	55	-0.03
Milk transfer factor for U	14	-0.26	16	-0.11	67	0.04	67	0.01
Fish transfer factor for U	61	0.06	63	0.02	14	0.31	14	0.10
Well pumping rate	33	-0.17	35	-0.07	48	-0.12	49	-0.04
Inhalation rate	70	-0.01	70	-0.01	6	0.39	6	0.14
Indoor dust filtration factor	52	-0.08	57	-0.03	25	0.23	25	0.08
Depth of soil mixing layer	48	0.11	48	0.05	27	-0.23	27	-0.08
Depth of roots	19	0.24	18	0.11	37	-0.19	37	-0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	27	-0.19	28	-0.08	7	0.37	7	0.13
Weathering removal constant of all vegetation	39	-0.15	40	-0.06	15	-0.31	13	-0.11
Wet foliar interception fraction of leafy vegetables	18	0.24	24	0.09	70	0.02	70	0.01
R-SQUARE		0.91		0.91		0.91		0.91

-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	39	-0.14	41	-0.09	56	0.04	56	0.01
Kd of Ac-227 in Unsaturated Zone 1	43	0.10	42	0.09	41	0.11	41	0.04
Kd of Ac-227 in Saturated Zone	71	0.00	71	0.00	40	0.11	40	0.04
Kd of Np-237 in Contaminated Zone	7	-0.35	11	-0.25	8	-0.31	9	-0.12
Kd of Np-237 in Unsaturated Zone 1	34	-0.17	40	-0.10	1	-0.85	1	-0.60
Kd of Np-237 in Saturated Zone	6	-0.36	10	-0.25	3	-0.47	3	-0.20
Kd of Pa-231 in Contaminated Zone	32	0.18	36	0.11	24	0.20	24	0.08
Kd of Pa-231 in Unsaturated Zone 1	52	0.07	58	0.04	2	-0.60	2	-0.28
Kd of Pa-231 in Saturated Zone	12	0.31	7	0.28	42	-0.10	42	-0.04
Kd of Pb-210 in Contaminated Zone	55	-0.06	39	-0.10	44	-0.09	44	-0.03
Kd of Pb-210 in Unsaturated Zone 1	73	0.00	73	0.00	70	0.00	70	0.00
Kd of Pb-210 in Saturated Zone	64	-0.04	47	-0.07	4	-0.45	4	-0.19
Kd of Pu-239 in Contaminated Zone	69	-0.01	67	-0.02	54	0.05	54	0.02
Kd of Pu-239 in Unsaturated Zone 1	31	0.19	26	0.14	72	0.00	72	0.00
Kd of Pu-239 in Saturated Zone	2	0.41	1	0.77	19	0.25	19	0.10
Kd of Ra-226 in Contaminated Zone	58	0.05	57	0.04	31	0.15	31	0.05
Kd of Ra-226 in Unsaturated Zone 1	20	-0.25	17	-0.21	28	-0.16	28	-0.06
Kd of Ra-226 in Saturated Zone	57	0.05	62	0.03	36	-0.12	37	-0.05
Kd of Tc-99 in Saturated Zone	18	-0.27	19	-0.19	27	-0.17	27	-0.06
Kd of Th-229 in Contaminated Zone	8	-0.34	2	-0.64	47	-0.07	47	-0.03
Kd of Th-229 in Unsaturated Zone 1	60	-0.05	59	-0.04	55	0.05	55	0.02
Kd of Th-229 in Saturated Zone	59	0.05	63	0.03	69	-0.01	69	0.00
Kd of Th-230 in Contaminated Zone	61	-0.04	56	-0.05	11	0.29	12	0.12
Kd of Th-230 in Unsaturated Zone 1	65	0.04	65	0.03	23	-0.21	23	-0.08
Kd of Th-230 in Saturated Zone	63	-0.04	61	-0.03	61	-0.03	61	-0.01
Kd of U-233 in Saturated Zone	49	-0.08	54	-0.05	38	-0.12	38	-0.04
Kd of U-234 in Saturated Zone	1	0.42	3	0.31	66	-0.02	66	-0.01
Kd of U-235 in Saturated Zone	72	0.00	72	0.00	65	0.02	65	0.01
Kd of U-238 in Saturated Zone	46	-0.08	55	-0.05	46	-0.08	46	-0.03
Plant transfer factor for Ac	56	-0.06	52	-0.05	50	0.06	50	0.02
Meat transfer factor for Ac	24	0.23	20	0.18	10	0.31	10	0.12
Milk transfer factor for Ac	42	0.12	43	0.09	63	-0.02	63	-0.01
Fish transfer factor for Ac	53	0.07	51	0.05	49	-0.07	49	-0.03
Plant transfer factor for Pb	38	0.16	38	0.11	20	0.25	20	0.10
Meat transfer factor for Pb	5	-0.37	9	-0.26	51	-0.06	51	-0.02
Milk transfer factor for Pb	10	0.32	14	0.21	5	-0.35	5	-0.14
Fish transfer factor for Pb	40	-0.14	34	-0.12	37	-0.12	36	-0.05
Plant transfer factor for Np	41	-0.13	44	-0.08	9	0.31	7	0.13
Meat transfer factor for Np	22	-0.24	22	-0.18	17	-0.26	17	-0.10
Milk transfer factor for Np	4	0.37	5	0.28	67	-0.01	67	0.00
Fish transfer factor for Np	28	0.20	30	0.14	15	0.28	15	0.11
Plant transfer factor for Pu	37	-0.16	37	-0.11	26	0.17	26	0.07
Meat transfer factor for Pu	19	-0.25	21	-0.18	34	0.13	35	0.05
Milk transfer factor for Pu	54	0.06	60	0.04	59	0.03	60	0.01
Fish transfer factor for Pu	50	0.08	49	0.06	45	0.08	45	0.03
Plant transfer factor for Pa	45	0.09	45	0.08	58	-0.03	58	-0.01
Meat transfer factor for Pa	66	0.02	66	0.02	68	-0.01	68	0.00
Milk transfer factor for Pa	36	-0.17	28	-0.14	43	-0.09	43	-0.04
Fish transfer factor for Pa	15	0.29	18	0.20	21	-0.22	22	-0.08
Plant transfer factor for Ra	9	0.34	8	0.26	33	-0.13	33	-0.05
Meat transfer factor for Ra	11	0.32	13	0.21	18	0.26	18	0.10
Milk transfer factor for Ra	16	-0.28	15	-0.21	62	-0.03	62	-0.01
Fish transfer factor for Ra	33	0.17	31	0.14	32	-0.13	32	-0.05
Plant transfer factor for Tc	23	0.23	12	0.24	14	0.29	14	0.11
Meat transfer factor for Tc	13	0.31	4	0.29	30	0.15	29	0.06
Milk transfer factor for Tc	27	-0.21	33	-0.13	48	0.07	48	0.03
Fish transfer factor for Tc	67	-0.02	68	-0.01	25	0.18	25	0.07
Plant transfer factor for Th	26	0.21	27	0.14	71	0.00	71	0.00
Meat transfer factor for Th	47	0.08	46	0.08	35	0.12	34	0.05
Milk transfer factor for Th	35	-0.17	35	-0.11	12	-0.29	11	-0.12
Fish transfer factor for Th	68	-0.02	69	-0.01	39	0.12	39	0.04
Plant transfer factor for U	30	0.20	32	0.13	6	-0.34	6	-0.14
Meat transfer factor for U	21	-0.25	24	-0.16	57	0.03	57	0.01
Milk transfer factor for U	17	-0.28	23	-0.17	64	0.02	64	0.01
Fish transfer factor for U	29	-0.20	29	-0.14	22	-0.22	21	-0.09
Well pumping rate	3	-0.39	6	-0.28	16	0.27	16	0.10
Inhalation rate	48	-0.08	50	-0.05	52	0.06	52	0.02
Indoor dust filtration factor	51	0.08	53	0.05	13	-0.29	13	-0.12
Depth of soil mixing layer	25	0.22	25	0.15	7	0.32	8	0.12
Depth of roots	70	-0.01	70	-0.01	53	-0.06	53	-0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	14	-0.30	16	-0.21	73	0.00	73	0.00
Weathering removal constant of all vegetation	62	0.04	64	0.03	60	-0.03	59	-0.01
Wet foliar interception fraction of leafy vegetables	44	0.10	48	0.06	29	-0.15	30	-0.06

R-SQUARE 0.80 0.80 0.87 0.87

-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	55	-0.04	51	-0.04	73	0.00	73	0.00
Kd of Ac-227 in Unsaturated Zone 1	9	-0.23	12	-0.21	15	-0.24	15	-0.09
Kd of Ac-227 in Saturated Zone	26	0.13	25	0.13	35	-0.14	35	-0.05
Kd of Np-237 in Contaminated Zone	68	0.01	64	0.02	50	-0.08	50	-0.03
Kd of Np-237 in Unsaturated Zone 1	11	-0.18	11	-0.23	1	-0.88	1	-0.68
Kd of Np-237 in Saturated Zone	8	-0.24	9	-0.25	27	-0.19	28	-0.07
Kd of Pa-231 in Contaminated Zone	30	0.11	4	0.36	69	0.02	69	0.01
Kd of Pa-231 in Unsaturated Zone 1	59	0.02	54	0.04	2	-0.60	2	-0.28
Kd of Pa-231 in Saturated Zone	24	-0.14	5	-0.33	40	-0.12	41	-0.04
Kd of Pb-210 in Contaminated Zone	20	0.15	16	0.16	42	0.10	42	0.04
Kd of Pb-210 in Unsaturated Zone 1	13	0.18	20	0.15	31	0.17	31	0.06
Kd of Pb-210 in Saturated Zone	44	0.06	43	0.06	36	0.14	36	0.05
Kd of Pu-239 in Contaminated Zone	56	-0.03	61	-0.02	46	-0.09	46	-0.03
Kd of Pu-239 in Unsaturated Zone 1	60	-0.02	63	-0.02	4	-0.39	4	-0.16
Kd of Pu-239 in Saturated Zone	33	0.10	36	0.08	60	0.04	60	0.01
Kd of Ra-226 in Contaminated Zone	23	0.14	27	0.11	11	0.31	11	0.12
Kd of Ra-226 in Unsaturated Zone 1	73	0.00	71	-0.01	71	-0.01	71	0.00
Kd of Ra-226 in Saturated Zone	28	0.11	35	0.08	57	-0.05	57	-0.02
Kd of Tc-99 in Saturated Zone	4	-0.31	8	-0.26	25	-0.20	25	-0.08
Kd of Th-229 in Contaminated Zone	57	-0.03	56	-0.03	56	-0.06	56	-0.02
Kd of Th-229 in Unsaturated Zone 1	53	-0.04	50	-0.05	62	0.03	62	0.01
Kd of Th-229 in Saturated Zone	7	-0.25	3	-0.40	48	-0.09	48	-0.03
Kd of Th-230 in Contaminated Zone	72	0.00	70	-0.01	21	-0.21	21	-0.08
Kd of Th-230 in Unsaturated Zone 1	66	0.02	41	0.06	70	0.01	70	0.00
Kd of Th-230 in Saturated Zone	14	-0.17	13	-0.21	14	-0.25	14	-0.09
Kd of U-233 in Saturated Zone	22	-0.15	26	-0.11	66	-0.03	67	-0.01
Kd of U-234 in Saturated Zone	46	0.06	39	0.07	20	-0.22	20	-0.08
Kd of U-235 in Saturated Zone	52	0.04	57	0.03	49	-0.09	49	-0.03
Kd of U-238 in Saturated Zone	62	0.02	58	0.03	29	0.19	29	0.07
Plant transfer factor for Ac	70	0.01	72	0.01	68	0.03	68	0.01
Meat transfer factor for Ac	63	0.02	65	0.02	39	-0.12	39	-0.05
Milk transfer factor for Ac	54	-0.04	59	-0.03	58	0.04	58	0.02
Fish transfer factor for Ac	48	-0.05	53	-0.04	12	0.30	12	0.12
Plant transfer factor for Pb	71	0.00	73	0.00	24	0.21	24	0.08
Meat transfer factor for Pb	50	-0.05	55	-0.04	23	-0.21	23	-0.08
Milk transfer factor for Pb	58	-0.03	60	-0.02	44	0.09	44	0.04
Fish transfer factor for Pb	38	-0.09	38	-0.07	72	0.00	72	0.00
Plant transfer factor for Np	5	0.30	2	0.47	5	0.38	5	0.15
Meat transfer factor for Np	36	0.10	33	0.09	33	-0.16	33	-0.06
Milk transfer factor for Np	2	0.37	6	0.31	18	0.23	18	0.09
Fish transfer factor for Np	34	0.10	28	0.11	64	-0.03	65	-0.01
Plant transfer factor for Pu	69	-0.01	68	-0.01	47	-0.09	47	-0.03
Meat transfer factor for Pu	49	0.05	52	0.04	53	-0.08	53	-0.03
Milk transfer factor for Pu	40	-0.07	46	-0.05	22	-0.21	22	-0.08
Fish transfer factor for Pu	37	-0.09	31	-0.10	55	0.06	55	0.02
Plant transfer factor for Pa	51	0.04	48	0.05	37	-0.14	37	-0.05
Meat transfer factor for Pa	3	0.31	10	0.23	54	-0.07	54	-0.03
Milk transfer factor for Pa	27	-0.12	17	-0.15	51	-0.08	51	-0.03
Fish transfer factor for Pa	31	-0.11	34	-0.08	45	0.09	45	0.04
Plant transfer factor for Ra	21	0.15	21	0.14	43	-0.10	43	-0.04
Meat transfer factor for Ra	41	0.07	40	0.06	26	0.19	26	0.07
Milk transfer factor for Ra	10	0.20	14	0.20	38	0.13	38	0.05
Fish transfer factor for Ra	6	0.26	7	0.26	32	0.17	32	0.06
Plant transfer factor for Tc	17	0.16	15	0.17	9	0.32	9	0.13
Meat transfer factor for Tc	35	0.10	37	0.07	3	-0.39	3	-0.16
Milk transfer factor for Tc	19	-0.15	18	-0.15	17	-0.23	17	-0.09
Fish transfer factor for Tc	65	-0.02	66	-0.01	19	-0.23	19	-0.09
Plant transfer factor for Th	32	-0.10	30	-0.10	8	-0.35	8	-0.14
Meat transfer factor for Th	64	-0.02	67	-0.01	10	0.31	10	0.12
Milk transfer factor for Th	29	0.11	32	0.09	30	0.18	30	0.07
Fish transfer factor for Th	1	0.57	1	0.54	67	0.03	66	0.01
Plant transfer factor for U	67	0.01	69	0.01	65	0.03	64	0.01
Meat transfer factor for U	43	0.06	45	0.05	41	0.12	40	0.05
Milk transfer factor for U	47	-0.06	42	-0.06	63	-0.03	63	-0.01
Fish transfer factor for U	42	0.07	47	0.05	61	-0.04	61	-0.01
Well pumping rate	12	0.18	19	0.15	6	0.37	6	0.15
Inhalation rate	61	0.02	62	0.02	13	0.27	13	0.10
Indoor dust filtration factor	15	0.17	24	0.13	7	-0.35	7	-0.14
Depth of soil mixing layer	39	-0.08	44	-0.06	16	-0.23	16	-0.09
Depth of roots	45	0.06	49	0.05	28	0.19	27	0.07
Wet weight crop yield of fruit, grain and non-leafy vegetables	25	-0.13	29	-0.11	34	0.15	34	0.06
Weathering removal constant of all vegetation	16	-0.17	22	-0.13	59	-0.04	59	-0.02
Wet foliar interception fraction of leafy vegetables	18	-0.16	23	-0.13	52	-0.08	52	-0.03

R-SQUARE 0.71 0.71 0.87 0.87

-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	46	-0.10	48	-0.06	52	-0.09	52	-0.03
Kd of Ac-227 in Unsaturated Zone 1	55	-0.06	49	-0.06	66	0.04	66	0.01
Kd of Ac-227 in Saturated Zone	24	0.21	22	0.14	59	-0.06	59	-0.02
Kd of Np-237 in Contaminated Zone	19	-0.25	10	-0.19	50	-0.10	50	-0.03
Kd of Np-237 in Unsaturated Zone 1	56	-0.05	57	-0.03	1	-0.89	1	-0.60
Kd of Np-237 in Saturated Zone	7	-0.33	9	-0.19	3	-0.63	3	-0.24
Kd of Pa-231 in Contaminated Zone	34	-0.15	27	-0.12	28	-0.20	28	-0.06
Kd of Pa-231 in Unsaturated Zone 1	1	0.71	1	0.56	72	-0.01	72	0.00
Kd of Pa-231 in Saturated Zone	16	-0.26	20	-0.15	17	-0.31	17	-0.10
Kd of Pb-210 in Contaminated Zone	22	-0.22	2	-0.54	15	-0.35	15	-0.11
Kd of Pb-210 in Unsaturated Zone 1	69	-0.02	69	-0.01	32	0.17	32	0.05
Kd of Pb-210 in Saturated Zone	45	0.11	43	0.06	41	-0.13	41	-0.04
Kd of Pu-239 in Contaminated Zone	64	0.03	66	0.02	48	-0.10	47	-0.03
Kd of Pu-239 in Unsaturated Zone 1	37	-0.15	26	-0.13	19	-0.29	19	-0.09
Kd of Pu-239 in Saturated Zone	10	0.32	13	0.17	73	0.00	73	0.00
Kd of Ra-226 in Contaminated Zone	6	-0.34	6	-0.22	16	0.35	16	0.11
Kd of Ra-226 in Unsaturated Zone 1	68	0.02	67	0.01	39	-0.14	39	-0.04
Kd of Ra-226 in Saturated Zone	65	-0.03	62	-0.02	60	-0.06	60	-0.02
Kd of Tc-99 in Saturated Zone	26	0.19	3	0.50	8	0.43	8	0.15
Kd of Th-229 in Contaminated Zone	66	0.03	61	0.02	20	-0.29	21	-0.09
Kd of Th-229 in Unsaturated Zone 1	48	-0.09	51	-0.06	29	-0.19	30	-0.06
Kd of Th-229 in Saturated Zone	52	-0.07	52	-0.05	64	-0.04	64	-0.01
Kd of Th-230 in Contaminated Zone	61	0.04	63	0.02	11	0.39	11	0.13
Kd of Th-230 in Unsaturated Zone 1	49	0.09	45	0.06	33	-0.16	33	-0.05
Kd of Th-230 in Saturated Zone	25	-0.19	21	-0.15	56	-0.07	56	-0.02
Kd of U-233 in Saturated Zone	59	-0.04	56	-0.03	69	0.02	69	0.01
Kd of U-234 in Saturated Zone	62	-0.04	64	-0.02	53	0.09	53	0.03
Kd of U-235 in Saturated Zone	71	0.02	70	0.01	65	0.04	65	0.01
Kd of U-238 in Saturated Zone	73	0.00	73	0.00	46	0.10	48	0.03
Plant transfer factor for Ac	42	-0.12	41	-0.07	47	0.10	46	0.03
Meat transfer factor for Ac	50	-0.08	47	-0.06	57	-0.07	57	-0.02
Milk transfer factor for Ac	11	-0.31	12	-0.18	44	0.11	44	0.03
Fish transfer factor for Ac	41	-0.13	42	-0.07	43	0.12	43	0.04
Plant transfer factor for Pb	51	-0.08	53	-0.04	23	0.28	22	0.09
Meat transfer factor for Pb	54	-0.07	55	-0.04	26	-0.21	26	-0.07
Milk transfer factor for Pb	14	0.28	18	0.16	35	0.15	35	0.05
Fish transfer factor for Pb	63	0.03	65	0.02	58	0.07	58	0.02
Plant transfer factor for Np	35	0.15	37	0.08	4	0.52	4	0.18
Meat transfer factor for Np	53	-0.07	54	-0.04	9	0.43	9	0.14
Milk transfer factor for Np	60	-0.04	59	-0.03	12	-0.38	12	-0.13
Fish transfer factor for Np	13	-0.28	17	-0.17	49	-0.10	49	-0.03
Plant transfer factor for Pu	9	-0.32	11	-0.19	40	0.14	40	0.04
Meat transfer factor for Pu	12	0.29	15	0.17	67	-0.04	67	-0.01
Milk transfer factor for Pu	43	-0.12	44	-0.06	38	-0.14	37	-0.04
Fish transfer factor for Pu	39	0.14	40	0.08	36	0.15	36	0.05
Plant transfer factor for Pa	4	-0.37	7	-0.20	68	0.03	68	0.01
Meat transfer factor for Pa	30	-0.16	29	-0.11	62	-0.06	62	-0.02
Milk transfer factor for Pa	3	-0.38	5	-0.23	37	0.14	38	0.04
Fish transfer factor for Pa	23	0.22	28	0.12	24	0.26	24	0.08
Plant transfer factor for Ra	32	-0.15	30	-0.10	27	-0.21	27	-0.07
Meat transfer factor for Ra	28	-0.16	33	-0.09	45	-0.11	45	-0.03
Milk transfer factor for Ra	67	-0.03	68	-0.01	55	-0.08	55	-0.02
Fish transfer factor for Ra	38	-0.15	39	-0.08	18	-0.30	18	-0.10
Plant transfer factor for Tc	21	0.22	24	0.14	22	0.28	23	0.09
Meat transfer factor for Tc	58	-0.05	58	-0.03	71	0.01	71	0.00
Milk transfer factor for Tc	40	0.13	35	0.09	70	0.01	70	0.00
Fish transfer factor for Tc	44	0.12	46	0.06	14	-0.36	14	-0.12
Plant transfer factor for Th	27	-0.17	31	-0.10	13	0.37	13	0.12
Meat transfer factor for Th	15	0.26	19	0.16	54	-0.09	54	-0.03
Milk transfer factor for Th	31	-0.15	36	-0.09	42	-0.13	42	-0.04
Fish transfer factor for Th	29	0.16	32	0.09	63	-0.05	63	-0.01
Plant transfer factor for U	5	0.35	8	0.19	25	0.22	25	0.07
Meat transfer factor for U	2	0.68	4	0.46	30	-0.19	29	-0.06
Milk transfer factor for U	36	-0.15	38	-0.08	10	-0.42	10	-0.14
Fish transfer factor for U	70	-0.02	71	-0.01	6	0.47	6	0.16
Well pumping rate	17	-0.26	23	-0.14	61	-0.06	61	-0.02
Inhalation rate	18	0.25	14	0.17	5	0.48	5	0.17
Indoor dust filtration factor	72	0.02	72	0.01	7	0.43	7	0.15
Depth of soil mixing layer	20	0.22	25	0.13	34	-0.15	34	-0.05
Depth of roots	33	0.15	34	0.09	2	-0.73	2	-0.33
Wet weight crop yield of fruit, grain and non-leafy vegetables	47	-0.10	50	-0.06	31	0.17	31	0.05
Weathering removal constant of all vegetation	57	-0.05	60	-0.03	21	-0.29	20	-0.09
Wet foliar interception fraction of leafy vegetables	8	0.32	16	0.17	51	0.10	51	0.03

R-SQUARE

0.84 0.84 0.91 0.91

-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	Coef	Sig	Coef	Sig	Coef	Sig	Coef
Kd of Ac-227 in Contaminated Zone	41	-0.12	44	-0.09	53	-0.07	53	-0.02
Kd of Ac-227 in Unsaturated Zone 1	57	0.06	58	0.06	38	0.13	39	0.04
Kd of Ac-227 in Saturated Zone	39	-0.13	41	-0.11	64	0.04	64	0.01
Kd of Np-237 in Contaminated Zone	8	-0.31	12	-0.26	11	-0.32	11	-0.11
Kd of Np-237 in Unsaturated Zone 1	26	-0.20	32	-0.14	1	-0.86	1	-0.55
Kd of Np-237 in Saturated Zone	12	-0.28	15	-0.22	4	-0.65	4	-0.29
Kd of Pa-231 in Contaminated Zone	55	0.07	60	0.05	45	0.10	45	0.03
Kd of Pa-231 in Unsaturated Zone 1	30	0.17	35	0.12	22	-0.21	22	-0.07
Kd of Pa-231 in Saturated Zone	40	0.12	34	0.12	36	-0.14	36	-0.05
Kd of Pb-210 in Contaminated Zone	59	-0.05	40	-0.11	25	-0.19	25	-0.07
Kd of Pb-210 in Unsaturated Zone 1	11	0.28	3	0.43	21	0.21	21	0.07
Kd of Pb-210 in Saturated Zone	62	0.04	51	0.08	32	-0.17	31	-0.06
Kd of Pu-239 in Contaminated Zone	63	0.04	61	0.05	58	0.06	58	0.02
Kd of Pu-239 in Unsaturated Zone 1	50	0.10	49	0.09	26	-0.19	26	-0.06
Kd of Pu-239 in Saturated Zone	7	0.32	1	0.68	56	0.06	56	0.02
Kd of Ra-226 in Contaminated Zone	56	0.07	53	0.07	65	0.04	65	0.01
Kd of Ra-226 in Unsaturated Zone 1	29	-0.17	27	-0.16	13	-0.29	13	-0.10
Kd of Ra-226 in Saturated Zone	33	-0.15	38	-0.11	71	0.02	71	0.00
Kd of Tc-99 in Saturated Zone	48	-0.10	52	-0.08	67	-0.03	67	-0.01
Kd of Th-229 in Contaminated Zone	17	-0.24	2	-0.52	18	-0.23	18	-0.08
Kd of Th-229 in Unsaturated Zone 1	28	-0.18	26	-0.17	47	0.09	48	0.03
Kd of Th-229 in Saturated Zone	73	0.01	73	0.01	30	0.17	30	0.06
Kd of Th-230 in Contaminated Zone	37	-0.14	25	-0.17	23	0.20	23	0.07
Kd of Th-230 in Unsaturated Zone 1	72	0.01	72	0.01	42	-0.11	41	-0.04
Kd of Th-230 in Saturated Zone	20	-0.23	16	-0.22	16	0.24	17	0.08
Kd of U-233 in Saturated Zone	35	-0.14	42	-0.11	66	-0.03	66	-0.01
Kd of U-234 in Saturated Zone	15	0.26	18	0.21	17	0.24	16	0.08
Kd of U-235 in Saturated Zone	46	0.11	47	0.09	8	0.37	8	0.13
Kd of U-238 in Saturated Zone	31	-0.16	39	-0.11	7	-0.37	7	-0.13
Plant transfer factor for Ac	36	-0.14	30	-0.15	54	-0.07	54	-0.02
Meat transfer factor for Ac	9	0.29	10	0.28	34	0.16	34	0.06
Milk transfer factor for Ac	18	0.23	19	0.21	43	-0.10	44	-0.03
Fish transfer factor for Ac	64	0.03	64	0.03	70	-0.02	70	-0.01
Plant transfer factor for Pb	65	0.03	66	0.02	15	0.25	15	0.09
Meat transfer factor for Pb	5	-0.36	9	-0.29	51	-0.07	51	-0.02
Milk transfer factor for Pb	13	0.28	17	0.22	29	-0.18	29	-0.06
Fish transfer factor for Pb	22	-0.22	14	-0.23	12	-0.30	12	-0.11
Plant transfer factor for Np	54	-0.09	57	-0.06	2	0.72	2	0.36
Meat transfer factor for Np	1	-0.43	4	-0.40	37	-0.14	37	-0.05
Milk transfer factor for Np	51	0.09	54	0.07	48	-0.08	47	-0.03
Fish transfer factor for Np	2	0.38	6	0.32	60	0.05	60	0.02
Plant transfer factor for Pu	71	-0.02	71	-0.01	10	0.33	10	0.11
Meat transfer factor for Pu	68	-0.02	69	-0.02	52	-0.07	52	-0.02
Milk transfer factor for Pu	60	0.05	63	0.04	46	-0.10	46	-0.03
Fish transfer factor for Pu	25	0.21	23	0.18	72	-0.01	72	0.00
Plant transfer factor for Pa	52	0.09	48	0.09	27	-0.19	27	-0.06
Meat transfer factor for Pa	19	0.23	22	0.18	49	0.07	49	0.03
Milk transfer factor for Pa	42	-0.12	36	-0.12	14	-0.27	14	-0.09
Fish transfer factor for Pa	27	0.18	31	0.14	68	-0.03	68	-0.01
Plant transfer factor for Ra	4	0.37	5	0.34	57	0.06	57	0.02
Meat transfer factor for Ra	34	0.15	37	0.11	69	0.02	69	0.01
Milk transfer factor for Ra	69	0.02	68	0.02	20	-0.21	20	-0.07
Fish transfer factor for Ra	61	0.05	62	0.05	61	-0.05	61	-0.02
Plant transfer factor for Tc	38	0.13	29	0.16	40	0.12	40	0.04
Meat transfer factor for Tc	10	0.29	7	0.31	35	0.15	35	0.05
Milk transfer factor for Tc	16	-0.26	20	-0.20	59	0.06	59	0.02
Fish transfer factor for Tc	44	-0.11	43	-0.10	55	-0.06	55	-0.02
Plant transfer factor for Th	67	-0.02	67	-0.02	31	0.17	32	0.06
Meat transfer factor for Th	58	-0.06	56	-0.07	50	-0.07	50	-0.02
Milk transfer factor for Th	23	-0.22	24	-0.18	39	0.13	38	0.05
Fish transfer factor for Th	45	-0.11	46	-0.09	19	0.23	19	0.08
Plant transfer factor for U	43	0.12	45	0.09	28	-0.18	28	-0.06
Meat transfer factor for U	3	-0.37	8	-0.29	33	0.17	33	0.06
Milk transfer factor for U	53	-0.09	59	-0.06	41	0.11	42	0.04
Fish transfer factor for U	14	-0.28	13	-0.23	44	-0.10	43	-0.04
Well pumping rate	24	-0.21	28	-0.16	62	-0.05	62	-0.02
Inhalation rate	21	-0.22	21	-0.19	24	-0.20	24	-0.07
Indoor dust filtration factor	47	0.11	50	0.08	63	0.04	63	0.01
Depth of soil mixing layer	6	0.33	11	0.26	6	0.39	6	0.14
Depth of roots	70	-0.02	70	-0.01	3	-0.68	3	-0.31
Wet weight crop yield of fruit, grain and non-leafy vegetables	32	-0.16	33	-0.13	73	-0.01	73	0.00
Weathering removal constant of all vegetation	66	-0.03	65	-0.02	5	-0.41	5	-0.15
Wet foliar interception fraction of leafy vegetables	49	0.10	55	0.07	9	-0.36	9	-0.13

R-SQUARE 0.72 0.72 0.90 0.90

-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		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	
Kd of Ac-227 in Contaminated Zone	58	-0.03	52	-0.04	67	-0.02	67	-0.01	
Kd of Ac-227 in Unsaturated Zone 1	12	-0.19	18	-0.19	31	-0.16	31	-0.06	
Kd of Ac-227 in Saturated Zone	23	0.13	25	0.14	64	0.03	65	0.01	
Kd of Np-237 in Contaminated Zone	43	-0.06	36	-0.09	30	0.16	29	0.06	
Kd of Np-237 in Unsaturated Zone 1	5	-0.26	4	-0.37	1	-0.84	1	-0.60	
Kd of Np-237 in Saturated Zone	15	-0.18	16	-0.21	3	-0.54	3	-0.24	
Kd of Pa-231 in Contaminated Zone	34	0.09	5	0.33	55	0.05	55	0.02	
Kd of Pa-231 in Unsaturated Zone 1	29	0.10	21	0.17	49	0.09	49	0.03	
Kd of Pa-231 in Saturated Zone	25	-0.12	6	-0.32	28	0.17	28	0.07	
Kd of Pb-210 in Contaminated Zone	10	0.23	11	0.27	7	0.29	7	0.12	
Kd of Pb-210 in Unsaturated Zone 1	7	0.24	14	0.23	27	0.18	27	0.07	
Kd of Pb-210 in Saturated Zone	54	-0.03	53	-0.03	62	-0.04	61	-0.01	
Kd of Pu-239 in Contaminated Zone	38	-0.07	46	-0.05	54	0.05	54	0.02	
Kd of Pu-239 in Unsaturated Zone 1	53	-0.03	56	-0.03	5	-0.30	5	-0.12	
Kd of Pu-239 in Saturated Zone	30	0.10	38	0.09	23	0.19	23	0.07	
Kd of Ra-226 in Contaminated Zone	35	0.09	41	0.07	66	0.02	66	0.01	
Kd of Ra-226 in Unsaturated Zone 1	46	-0.06	13	-0.24	42	0.12	42	0.05	
Kd of Ra-226 in Saturated Zone	51	0.04	54	0.03	65	0.03	64	0.01	
Kd of Tc-99 in Saturated Zone	2	-0.31	9	-0.29	21	-0.20	21	-0.08	
Kd of Th-229 in Contaminated Zone	52	-0.04	48	-0.05	24	-0.19	25	-0.07	
Kd of Th-229 in Unsaturated Zone 1	42	-0.07	37	-0.09	53	0.05	53	0.02	
Kd of Th-229 in Saturated Zone	8	-0.24	2	-0.44	9	-0.29	10	-0.11	
Kd of Th-230 in Contaminated Zone	71	0.00	64	0.02	16	-0.25	16	-0.10	
Kd of Th-230 in Unsaturated Zone 1	37	0.07	8	0.31	60	-0.04	59	-0.01	
Kd of Th-230 in Saturated Zone	73	0.00	73	0.00	32	-0.15	32	-0.06	
Kd of U-233 in Saturated Zone	32	-0.09	40	-0.08	36	-0.14	36	-0.05	
Kd of U-234 in Saturated Zone	55	0.03	51	0.04	45	-0.12	45	-0.04	
Kd of U-235 in Saturated Zone	64	0.02	65	0.02	57	-0.04	57	-0.02	
Kd of U-238 in Saturated Zone	67	-0.01	68	-0.01	68	-0.01	68	-0.01	
Plant transfer factor for Ac	40	0.07	44	0.06	20	0.22	20	0.09	
Meat transfer factor for Ac	48	0.05	49	0.05	52	-0.06	52	-0.02	
Milk transfer factor for Ac	50	-0.04	55	-0.03	59	0.04	60	0.01	
Fish transfer factor for Ac	60	-0.03	59	-0.02	44	0.12	44	0.05	
Plant transfer factor for Pb	72	0.00	72	0.00	48	0.10	48	0.04	
Meat transfer factor for Pb	62	-0.02	62	-0.02	19	-0.23	19	-0.09	
Milk transfer factor for Pb	70	0.01	71	0.01	14	0.26	14	0.10	
Fish transfer factor for Pb	47	-0.06	47	-0.05	69	-0.01	69	0.00	
Plant transfer factor for Np	3	0.29	1	0.52	2	0.70	2	0.37	
Meat transfer factor for Np	63	0.02	63	0.02	72	-0.01	72	0.00	
Milk transfer factor for Np	11	0.22	19	0.19	34	-0.15	34	-0.06	
Fish transfer factor for Np	66	0.01	67	0.01	61	-0.04	62	-0.01	
Plant transfer factor for Pu	68	-0.01	69	-0.01	8	0.29	9	0.11	
Meat transfer factor for Pu	24	0.12	28	0.12	29	0.16	30	0.06	
Milk transfer factor for Pu	59	-0.03	61	-0.02	13	-0.26	13	-0.10	
Fish transfer factor for Pu	36	-0.08	34	-0.09	58	-0.04	58	-0.02	
Plant transfer factor for Pa	39	0.07	35	0.09	15	-0.25	15	-0.10	
Meat transfer factor for Pa	6	0.26	15	0.21	51	-0.07	51	-0.03	
Milk transfer factor for Pa	14	-0.19	10	-0.27	17	-0.24	17	-0.10	
Fish transfer factor for Pa	31	-0.10	39	-0.08	70	-0.01	70	0.00	
Plant transfer factor for Ra	13	0.19	17	0.21	73	0.00	73	0.00	
Meat transfer factor for Ra	17	0.17	20	0.17	11	0.27	11	0.11	
Milk transfer factor for Ra	9	0.23	12	0.25	33	0.15	33	0.06	
Fish transfer factor for Ra	4	0.28	7	0.31	39	0.13	39	0.05	
Plant transfer factor for Tc	21	0.13	22	0.15	35	0.14	35	0.06	
Meat transfer factor for Tc	41	-0.07	45	-0.06	6	-0.29	6	-0.12	
Milk transfer factor for Tc	45	-0.06	43	-0.06	46	-0.11	46	-0.04	
Fish transfer factor for Tc	57	-0.03	57	-0.03	41	-0.12	41	-0.05	
Plant transfer factor for Th	33	-0.09	30	-0.10	47	-0.10	47	-0.04	
Meat transfer factor for Th	56	-0.03	58	-0.02	40	0.13	40	0.05	
Milk transfer factor for Th	22	0.13	29	0.12	56	0.04	56	0.02	
Fish transfer factor for Th	1	0.45	3	0.43	26	-0.18	26	-0.07	
Plant transfer factor for U	49	-0.05	50	-0.04	22	0.19	22	0.08	
Meat transfer factor for U	69	0.01	70	0.01	18	0.24	18	0.09	
Milk transfer factor for U	44	-0.06	42	-0.07	38	0.14	38	0.05	
Fish transfer factor for U	26	0.12	31	0.10	71	-0.01	71	0.00	
Well pumping rate	18	0.16	24	0.15	12	0.26	12	0.10	
Inhalation rate	28	0.11	32	0.10	25	0.19	24	0.07	
Indoor dust filtration factor	27	0.11	33	0.10	63	0.03	63	0.01	
Depth of soil mixing layer	16	-0.18	23	-0.15	10	-0.29	8	-0.12	
Depth of roots	65	0.02	66	0.01	4	-0.51	4	-0.23	
Wet weight crop yield of fruit, grain and non-leafy vegetables	61	-0.03	60	-0.02	43	-0.12	43	-0.05	
Weathering removal constant of all vegetation	20	-0.15	27	-0.13	50	-0.08	50	-0.03	
Wet foliar interception fraction of leafy vegetables	19	-0.15	26	-0.14	37	0.14	37	0.05	

R-SQUARE 0.65 0.65 0.86 0.86

-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	26	-0.15	28	-0.12	12	-0.33	12	-0.07
Kd of Ac-227 in Unsaturated Zone 1	2	0.50	3	0.76	44	0.11	44	0.02
Kd of Ac-227 in Saturated Zone	22	-0.18	19	-0.16	52	-0.07	53	-0.02
Kd of Np-237 in Contaminated Zone	44	0.09	36	0.09	61	0.03	61	0.01
Kd of Np-237 in Unsaturated Zone 1	59	0.05	59	0.03	13	0.32	13	0.07
Kd of Np-237 in Saturated Zone	46	-0.09	47	-0.06	16	0.28	16	0.06
Kd of Pa-231 in Contaminated Zone	18	-0.21	10	-0.21	62	0.03	62	0.01
Kd of Pa-231 in Unsaturated Zone 1	17	-0.21	21	-0.15	37	-0.14	37	-0.03
Kd of Pa-231 in Saturated Zone	35	0.13	35	0.09	15	-0.30	15	-0.06
Kd of Pb-210 in Contaminated Zone	3	0.42	1	1.42	70	0.01	70	0.00
Kd of Pb-210 in Unsaturated Zone 1	36	0.12	40	0.08	65	0.02	65	0.00
Kd of Pb-210 in Saturated Zone	48	0.08	48	0.06	17	0.27	17	0.06
Kd of Pu-239 in Contaminated Zone	16	-0.24	18	-0.17	40	0.14	38	0.03
Kd of Pu-239 in Unsaturated Zone 1	30	-0.14	20	-0.15	9	-0.36	9	-0.08
Kd of Pu-239 in Saturated Zone	58	-0.05	60	-0.03	54	0.07	54	0.01
Kd of Ra-226 in Contaminated Zone	66	0.02	67	0.02	27	0.19	27	0.04
Kd of Ra-226 in Unsaturated Zone 1	64	-0.03	65	-0.02	30	0.16	30	0.03
Kd of Ra-226 in Saturated Zone	63	0.03	61	0.03	32	-0.16	32	-0.03
Kd of Tc-99 in Saturated Zone	6	-0.36	2	-1.25	10	0.34	10	0.07
Kd of Th-229 in Contaminated Zone	31	0.14	22	0.15	57	-0.05	57	-0.01
Kd of Th-229 in Unsaturated Zone 1	40	-0.10	43	-0.07	26	0.20	26	0.04
Kd of Th-229 in Saturated Zone	19	0.20	16	0.17	64	-0.02	64	0.00
Kd of Th-230 in Contaminated Zone	68	-0.02	69	-0.01	55	-0.07	55	-0.01
Kd of Th-230 in Unsaturated Zone 1	67	-0.02	66	-0.02	20	-0.24	20	-0.05
Kd of Th-230 in Saturated Zone	42	0.10	34	0.09	53	0.07	52	0.02
Kd of U-233 in Saturated Zone	50	-0.07	45	-0.07	41	-0.12	41	-0.02
Kd of U-234 in Saturated Zone	28	-0.15	32	-0.10	24	-0.22	24	-0.05
Kd of U-235 in Saturated Zone	25	0.16	23	0.14	72	0.00	72	0.00
Kd of U-238 in Saturated Zone	70	-0.01	70	-0.01	35	0.15	35	0.03
Plant transfer factor for Ac	72	0.01	72	0.01	25	0.22	23	0.05
Meat transfer factor for Ac	69	0.01	68	0.01	39	-0.14	40	-0.03
Milk transfer factor for Ac	13	-0.26	11	-0.20	56	-0.06	56	-0.01
Fish transfer factor for Ac	61	0.04	64	0.02	19	0.25	19	0.05
Plant transfer factor for Pb	47	-0.08	46	-0.06	73	0.00	73	0.00
Meat transfer factor for Pb	49	0.08	50	0.05	33	0.16	34	0.03
Milk transfer factor for Pb	71	0.01	71	0.01	43	0.11	43	0.02
Fish transfer factor for Pb	52	0.07	55	0.04	8	0.36	8	0.08
Plant transfer factor for Np	51	-0.07	52	-0.05	29	0.17	29	0.04
Meat transfer factor for Np	29	-0.15	31	-0.11	50	0.08	50	0.02
Milk transfer factor for Np	34	0.13	29	0.12	58	0.04	58	0.01
Fish transfer factor for Np	23	-0.18	26	-0.13	46	-0.09	46	-0.02
Plant transfer factor for Pu	5	0.39	6	0.30	2	0.94	2	0.55
Meat transfer factor for Pu	37	0.12	37	0.08	6	0.41	6	0.09
Milk transfer factor for Pu	38	0.11	42	0.08	68	0.01	68	0.00
Fish transfer factor for Pu	39	-0.11	44	-0.07	66	0.02	66	0.00
Plant transfer factor for Pa	55	-0.07	56	-0.04	51	0.08	51	0.02
Meat transfer factor for Pa	65	-0.03	63	-0.03	4	-0.43	4	-0.10
Milk transfer factor for Pa	24	0.16	30	0.11	38	-0.14	39	-0.03
Fish transfer factor for Pa	54	-0.07	54	-0.04	11	-0.34	11	-0.07
Plant transfer factor for Ra	41	-0.10	41	-0.08	63	0.02	63	0.00
Meat transfer factor for Ra	20	0.20	24	0.14	28	-0.18	28	-0.04
Milk transfer factor for Ra	7	-0.35	7	-0.27	59	-0.03	59	-0.01
Fish transfer factor for Ra	53	-0.07	53	-0.05	7	-0.39	7	-0.09
Plant transfer factor for Tc	27	0.15	27	0.12	48	-0.09	48	-0.02
Meat transfer factor for Tc	57	-0.06	51	-0.05	45	-0.10	45	-0.02
Milk transfer factor for Tc	43	0.10	39	0.08	18	0.26	18	0.05
Fish transfer factor for Tc	32	-0.14	33	-0.09	69	0.01	69	0.00
Plant transfer factor for Th	73	0.00	73	0.00	67	-0.01	67	0.00
Meat transfer factor for Th	62	0.04	62	0.03	36	0.15	36	0.03
Milk transfer factor for Th	8	-0.35	8	-0.27	60	-0.03	60	-0.01
Fish transfer factor for Th	21	0.19	25	0.14	31	-0.16	31	-0.03
Plant transfer factor for U	11	-0.27	12	-0.19	5	0.42	5	0.09
Meat transfer factor for U	33	0.13	38	0.08	42	0.11	42	0.02
Milk transfer factor for U	14	0.25	15	0.18	21	0.24	21	0.05
Fish transfer factor for U	15	-0.25	17	-0.17	22	-0.22	22	-0.05
Well pumping rate	12	0.27	13	0.19	71	0.01	71	0.00
Inhalation rate	10	0.29	9	0.25	34	0.15	33	0.03
Indoor dust filtration factor	56	0.06	57	0.04	14	0.30	14	0.06
Depth of soil mixing layer	1	-0.51	4	-0.42	1	-0.95	1	-0.61
Depth of roots	4	-0.40	5	-0.33	3	-0.91	3	-0.45
Wet weight crop yield of fruit, grain and non-leafy vegetables	60	-0.05	58	-0.03	47	0.09	47	0.02
Weathering removal constant of all vegetation	45	-0.09	49	-0.06	49	0.08	49	0.02
Wet foliar interception fraction of leafy vegetables	9	-0.29	14	-0.19	23	-0.22	25	-0.05
R-SQUARE		0.75		0.75		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 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	55	0.06	56	0.03	17	0.32	17	0.07
Kd of Ac-227 in Unsaturated Zone 1	73	0.00	73	0.00	35	0.20	37	0.04
Kd of Ac-227 in Saturated Zone	46	0.08	48	0.05	57	0.06	57	0.01
Kd of Np-237 in Contaminated Zone	16	0.24	20	0.13	14	0.34	14	0.07
Kd of Np-237 in Unsaturated Zone 1	31	0.16	40	0.07	22	0.27	22	0.06
Kd of Np-237 in Saturated Zone	68	0.02	68	0.01	4	-0.48	4	-0.11
Kd of Pa-231 in Contaminated Zone	50	0.07	53	0.04	5	0.45	5	0.10
Kd of Pa-231 in Unsaturated Zone 1	24	0.19	33	0.09	9	-0.40	10	-0.09
Kd of Pa-231 in Saturated Zone	26	-0.19	25	-0.13	58	0.06	58	0.01
Kd of Pb-210 in Contaminated Zone	49	-0.08	31	-0.10	36	-0.20	36	-0.04
Kd of Pb-210 in Unsaturated Zone 1	72	0.00	72	0.00	20	0.30	20	0.06
Kd of Pb-210 in Saturated Zone	28	0.18	5	0.25	42	0.16	42	0.03
Kd of Pu-239 in Contaminated Zone	23	0.20	12	0.18	39	-0.17	39	-0.04
Kd of Pu-239 in Unsaturated Zone 1	13	0.26	13	0.16	67	-0.03	67	-0.01
Kd of Pu-239 in Saturated Zone	41	0.11	17	0.14	46	-0.13	46	-0.03
Kd of Ra-226 in Contaminated Zone	29	0.17	22	0.13	31	-0.21	31	-0.04
Kd of Ra-226 in Unsaturated Zone 1	44	-0.09	43	-0.06	12	0.37	12	0.08
Kd of Ra-226 in Saturated Zone	61	0.04	63	0.02	65	0.03	65	0.01
Kd of Tc-99 in Saturated Zone	43	0.09	47	0.05	32	0.20	32	0.04
Kd of Th-229 in Contaminated Zone	35	-0.14	9	-0.20	72	0.01	72	0.00
Kd of Th-229 in Unsaturated Zone 1	64	-0.03	62	-0.02	15	0.34	15	0.07
Kd of Th-229 in Saturated Zone	6	0.34	10	0.19	48	-0.12	48	-0.03
Kd of Th-230 in Contaminated Zone	15	-0.24	7	-0.21	26	-0.24	26	-0.05
Kd of Th-230 in Unsaturated Zone 1	32	-0.16	34	-0.09	34	0.20	34	0.04
Kd of Th-230 in Saturated Zone	40	-0.11	41	-0.07	68	0.02	68	0.00
Kd of U-233 in Saturated Zone	34	-0.15	38	-0.08	23	0.26	23	0.06
Kd of U-234 in Saturated Zone	62	-0.03	64	-0.02	44	-0.14	44	-0.03
Kd of U-235 in Saturated Zone	5	-0.37	6	-0.22	66	-0.03	66	-0.01
Kd of U-238 in Saturated Zone	60	0.04	60	0.02	45	0.13	45	0.03
Plant transfer factor for Ac	47	0.08	44	0.06	30	0.23	30	0.05
Meat transfer factor for Ac	56	-0.06	54	-0.04	69	-0.02	69	0.00
Milk transfer factor for Ac	33	0.15	35	0.09	52	0.10	52	0.02
Fish transfer factor for Ac	63	0.03	61	0.02	60	0.06	60	0.01
Plant transfer factor for Pb	69	0.01	69	0.01	71	0.02	71	0.00
Meat transfer factor for Pb	54	0.07	55	0.03	24	0.25	24	0.05
Milk transfer factor for Pb	12	-0.26	19	-0.14	54	0.07	54	0.01
Fish transfer factor for Pb	27	-0.18	24	-0.13	63	0.04	63	0.01
Plant transfer factor for Np	37	0.14	42	0.07	6	0.43	6	0.10
Meat transfer factor for Np	14	-0.26	16	-0.15	19	0.31	18	0.07
Milk transfer factor for Np	67	0.02	66	0.01	33	0.20	33	0.04
Fish transfer factor for Np	21	0.20	29	0.11	59	0.06	59	0.01
Plant transfer factor for Pu	1	0.84	1	0.80	1	0.95	1	0.62
Meat transfer factor for Pu	10	0.28	15	0.16	7	0.43	7	0.10
Milk transfer factor for Pu	8	-0.29	18	-0.14	47	0.13	47	0.03
Fish transfer factor for Pu	70	-0.01	70	-0.01	55	-0.06	56	-0.01
Plant transfer factor for Pa	53	-0.07	49	-0.04	50	-0.11	50	-0.02
Meat transfer factor for Pa	48	0.08	51	0.04	38	0.19	35	0.04
Milk transfer factor for Pa	11	-0.27	11	-0.18	73	0.00	73	0.00
Fish transfer factor for Pa	20	0.21	26	0.11	49	-0.12	49	-0.02
Plant transfer factor for Ra	65	-0.03	65	-0.01	13	-0.34	13	-0.08
Meat transfer factor for Ra	71	0.00	71	0.00	61	0.05	61	0.01
Milk transfer factor for Ra	18	0.22	21	0.13	41	-0.17	41	-0.04
Fish transfer factor for Ra	39	0.13	37	0.08	25	0.25	25	0.05
Plant transfer factor for Tc	38	0.13	28	0.11	70	0.02	70	0.00
Meat transfer factor for Tc	9	-0.28	8	-0.20	56	0.06	55	0.01
Milk transfer factor for Tc	3	0.59	3	0.35	16	-0.33	16	-0.07
Fish transfer factor for Tc	19	0.21	23	0.13	51	0.11	51	0.02
Plant transfer factor for Th	59	0.05	58	0.02	27	-0.24	27	-0.05
Meat transfer factor for Th	51	-0.07	46	-0.05	29	0.23	28	0.05
Milk transfer factor for Th	25	0.19	32	0.10	53	-0.08	53	-0.02
Fish transfer factor for Th	52	-0.07	52	-0.04	8	-0.42	8	-0.09
Plant transfer factor for U	30	-0.16	36	-0.08	28	0.23	29	0.05
Meat transfer factor for U	45	-0.09	50	-0.04	40	0.17	40	0.04
Milk transfer factor for U	58	-0.05	59	-0.02	18	-0.31	19	-0.07
Fish transfer factor for U	57	-0.05	57	-0.03	64	-0.03	64	-0.01
Well pumping rate	7	-0.30	14	-0.16	11	0.37	11	0.08
Inhalation rate	42	0.10	45	0.05	37	-0.19	38	-0.04
Indoor dust filtration factor	22	0.20	30	0.10	10	0.40	9	0.09
Depth of soil mixing layer	4	-0.54	4	-0.33	2	-0.92	2	-0.48
Depth of roots	2	-0.66	2	-0.48	3	-0.91	3	-0.46
Wet weight crop yield of fruit, grain and non-leafy vegetables	66	-0.02	67	-0.01	21	0.29	21	0.06
Weathering removal constant of all vegetation	36	-0.14	39	-0.08	62	0.05	62	0.01
Wet foliar interception fraction of leafy vegetables	17	0.23	27	0.11	43	-0.15	43	-0.03

R-SQUARE 0.87 0.87 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 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	19	-0.19	12	-0.27	34	-0.16	34	-0.04
Kd of Ac-227 in Unsaturated Zone 1	40	-0.12	38	-0.13	56	-0.09	56	-0.02
Kd of Ac-227 in Saturated Zone	17	-0.20	18	-0.22	6	0.34	6	0.09
Kd of Np-237 in Contaminated Zone	9	0.24	7	0.37	62	0.07	63	0.02
Kd of Np-237 in Unsaturated Zone 1	34	-0.14	25	-0.19	66	0.04	67	0.01
Kd of Np-237 in Saturated Zone	13	-0.22	13	-0.26	22	-0.21	22	-0.05
Kd of Pa-231 in Contaminated Zone	57	-0.04	30	-0.16	52	-0.10	52	-0.03
Kd of Pa-231 in Unsaturated Zone 1	51	0.07	42	0.12	50	0.11	50	0.03
Kd of Pa-231 in Saturated Zone	2	0.33	1	0.97	31	0.17	30	0.04
Kd of Pb-210 in Contaminated Zone	49	0.08	49	0.09	71	0.02	71	0.00
Kd of Pb-210 in Unsaturated Zone 1	63	0.02	63	0.02	5	-0.35	5	-0.09
Kd of Pb-210 in Saturated Zone	60	-0.03	59	-0.03	41	-0.14	41	-0.04
Kd of Pu-239 in Contaminated Zone	24	-0.17	36	-0.13	29	0.18	29	0.04
Kd of Pu-239 in Unsaturated Zone 1	43	-0.11	48	-0.09	53	0.10	53	0.02
Kd of Pu-239 in Saturated Zone	71	0.00	71	0.00	10	-0.29	10	-0.08
Kd of Ra-226 in Contaminated Zone	72	0.00	72	0.00	51	0.11	51	0.03
Kd of Ra-226 in Unsaturated Zone 1	31	-0.15	4	-0.64	67	-0.04	66	-0.01
Kd of Ra-226 in Saturated Zone	11	-0.23	21	-0.20	27	-0.18	27	-0.05
Kd of Tc-99 in Saturated Zone	48	-0.08	54	-0.07	70	-0.02	70	-0.01
Kd of Th-229 in Contaminated Zone	56	0.04	56	0.05	44	-0.13	44	-0.03
Kd of Th-229 in Unsaturated Zone 1	6	-0.26	8	-0.36	21	0.21	20	0.05
Kd of Th-229 in Saturated Zone	52	-0.06	45	-0.11	40	-0.14	40	-0.04
Kd of Th-230 in Contaminated Zone	7	-0.24	3	-0.83	47	0.12	47	0.03
Kd of Th-230 in Unsaturated Zone 1	35	0.14	5	0.57	33	0.16	33	0.04
Kd of Th-230 in Saturated Zone	46	0.09	40	0.12	23	-0.20	24	-0.05
Kd of U-233 in Saturated Zone	45	-0.09	50	-0.08	64	-0.04	64	-0.01
Kd of U-234 in Saturated Zone	21	-0.18	16	-0.23	15	0.24	15	0.06
Kd of U-235 in Saturated Zone	58	0.04	58	0.03	59	-0.08	58	-0.02
Kd of U-238 in Saturated Zone	3	-0.33	6	-0.51	69	-0.03	69	-0.01
Plant transfer factor for Ac	42	-0.12	46	-0.11	9	0.30	9	0.08
Meat transfer factor for Ac	50	-0.07	55	-0.07	12	0.26	12	0.07
Milk transfer factor for Ac	32	0.14	43	0.12	54	0.09	55	0.02
Fish transfer factor for Ac	18	-0.19	26	-0.18	8	-0.31	8	-0.08
Plant transfer factor for Pb	22	-0.18	23	-0.19	35	0.16	36	0.04
Meat transfer factor for Pb	61	0.03	62	0.02	26	0.19	26	0.05
Milk transfer factor for Pb	28	0.15	29	0.16	7	0.32	7	0.08
Fish transfer factor for Pb	12	-0.23	19	-0.22	16	0.23	16	0.06
Plant transfer factor for Np	55	0.05	52	0.08	32	-0.17	32	-0.04
Meat transfer factor for Np	39	0.13	37	0.13	38	0.15	39	0.04
Milk transfer factor for Np	26	-0.16	31	-0.15	24	-0.20	23	-0.05
Fish transfer factor for Np	27	-0.16	24	-0.19	30	0.17	31	0.04
Plant transfer factor for Pu	1	0.54	2	0.86	1	0.93	1	0.65
Meat transfer factor for Pu	15	-0.21	17	-0.23	18	0.22	19	0.06
Milk transfer factor for Pu	30	0.15	39	0.12	49	-0.12	49	-0.03
Fish transfer factor for Pu	62	0.02	60	0.03	17	0.23	17	0.06
Plant transfer factor for Pa	20	0.19	14	0.26	73	0.01	73	0.00
Meat transfer factor for Pa	59	0.03	61	0.02	39	-0.15	38	-0.04
Milk transfer factor for Pa	53	-0.05	51	-0.08	60	-0.07	60	-0.02
Fish transfer factor for Pa	69	0.00	69	0.00	4	-0.42	4	-0.11
Plant transfer factor for Ra	67	-0.01	67	-0.01	11	-0.27	11	-0.07
Meat transfer factor for Ra	33	0.14	34	0.14	57	0.08	57	0.02
Milk transfer factor for Ra	38	-0.13	33	-0.14	68	-0.03	68	-0.01
Fish transfer factor for Ra	8	-0.24	11	-0.27	14	-0.24	14	-0.06
Plant transfer factor for Tc	25	0.17	22	0.20	13	-0.26	13	-0.07
Meat transfer factor for Tc	64	-0.02	64	-0.02	48	0.12	48	0.03
Milk transfer factor for Tc	14	-0.22	15	-0.25	19	0.21	18	0.06
Fish transfer factor for Tc	68	-0.01	68	-0.01	45	-0.13	45	-0.03
Plant transfer factor for Th	5	0.27	9	0.30	25	0.20	25	0.05
Meat transfer factor for Th	73	0.00	73	0.00	28	-0.18	28	-0.05
Milk transfer factor for Th	36	-0.13	41	-0.12	36	-0.16	35	-0.04
Fish transfer factor for Th	54	-0.05	57	-0.04	55	0.09	54	0.02
Plant transfer factor for U	37	-0.13	44	-0.11	58	0.08	59	0.02
Meat transfer factor for U	47	-0.08	53	-0.08	61	-0.07	61	-0.02
Milk transfer factor for U	41	-0.12	32	-0.14	65	0.04	65	0.01
Fish transfer factor for U	4	0.32	10	0.28	46	0.12	46	0.03
Well pumping rate	44	-0.10	47	-0.09	37	0.15	37	0.04
Inhalation rate	23	0.18	28	0.16	42	-0.14	42	-0.03
Indoor dust filtration factor	65	-0.02	65	-0.01	63	-0.07	62	-0.02
Depth of soil mixing layer	16	-0.21	27	-0.18	3	-0.84	3	-0.39
Depth of roots	29	-0.15	35	-0.13	2	-0.88	2	-0.46
Wet weight crop yield of fruit, grain and non-leafy vegetables	10	-0.24	20	-0.21	43	-0.14	43	-0.03
Weathering removal constant of all vegetation	66	0.01	66	0.01	20	-0.21	21	-0.05
Wet foliar interception fraction of leafy vegetables	70	0.00	70	0.00	72	-0.01	72	0.00

R-SQUARE 0.63 0.63 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 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	54	0.05	53	0.03	53	0.05	53	0.01	
Kd of Ac-227 in Unsaturated Zone 1	8	-0.30	5	-0.30	27	0.16	28	0.02	
Kd of Ac-227 in Saturated Zone	37	-0.11	32	-0.07	60	0.03	60	0.00	
Kd of Np-237 in Contaminated Zone	42	0.10	34	0.07	21	-0.20	21	-0.03	
Kd of Np-237 in Unsaturated Zone 1	10	0.27	11	0.14	40	-0.08	41	-0.01	
Kd of Np-237 in Saturated Zone	45	-0.09	45	-0.04	43	-0.08	43	-0.01	
Kd of Pa-231 in Contaminated Zone	40	0.10	31	0.07	36	-0.11	36	-0.02	
Kd of Pa-231 in Unsaturated Zone 1	17	-0.22	15	-0.11	73	0.00	73	0.00	
Kd of Pa-231 in Saturated Zone	53	0.05	54	0.03	50	-0.07	50	-0.01	
Kd of Pb-210 in Contaminated Zone	4	-0.33	2	-0.77	20	0.21	20	0.03	
Kd of Pb-210 in Unsaturated Zone 1	48	-0.07	50	-0.04	70	-0.01	70	0.00	
Kd of Pb-210 in Saturated Zone	28	-0.15	28	-0.08	11	0.25	11	0.04	
Kd of Pu-239 in Contaminated Zone	71	0.00	72	0.00	64	0.02	64	0.00	
Kd of Pu-239 in Unsaturated Zone 1	72	0.00	70	0.00	33	-0.15	33	-0.02	
Kd of Pu-239 in Saturated Zone	18	-0.21	18	-0.10	41	0.08	40	0.01	
Kd of Ra-226 in Contaminated Zone	26	-0.15	27	-0.08	63	0.03	63	0.00	
Kd of Ra-226 in Unsaturated Zone 1	23	0.16	23	0.09	52	0.06	52	0.01	
Kd of Ra-226 in Saturated Zone	73	0.00	73	0.00	66	0.02	66	0.00	
Kd of Tc-99 in Saturated Zone	3	0.38	1	0.97	4	0.49	4	0.08	
Kd of Th-229 in Contaminated Zone	49	-0.07	38	-0.06	5	-0.42	5	-0.06	
Kd of Th-229 in Unsaturated Zone 1	22	0.17	21	0.09	68	0.01	68	0.00	
Kd of Th-229 in Saturated Zone	12	-0.25	10	-0.15	12	0.24	13	0.03	
Kd of Th-230 in Contaminated Zone	31	-0.12	39	-0.06	49	0.07	49	0.01	
Kd of Th-230 in Unsaturated Zone 1	63	-0.03	60	-0.02	46	-0.07	46	-0.01	
Kd of Th-230 in Saturated Zone	59	0.04	56	0.03	62	0.03	62	0.00	
Kd of U-233 in Saturated Zone	66	-0.02	64	-0.02	44	0.08	44	0.01	
Kd of U-234 in Saturated Zone	69	-0.01	69	-0.01	7	-0.37	7	-0.06	
Kd of U-235 in Saturated Zone	24	0.16	19	0.10	34	-0.14	34	-0.02	
Kd of U-238 in Saturated Zone	58	-0.04	55	-0.03	26	-0.17	26	-0.02	
Plant transfer factor for Ac	47	-0.07	48	-0.04	23	0.18	23	0.03	
Meat transfer factor for Ac	30	0.14	20	0.10	22	0.19	22	0.03	
Milk transfer factor for Ac	62	-0.03	63	-0.02	9	0.29	9	0.04	
Fish transfer factor for Ac	35	-0.12	41	-0.05	55	0.05	55	0.01	
Plant transfer factor for Pb	36	0.11	36	0.06	58	-0.04	58	-0.01	
Meat transfer factor for Pb	16	-0.22	16	-0.11	19	-0.21	19	-0.03	
Milk transfer factor for Pb	34	-0.12	37	-0.06	47	0.07	47	0.01	
Fish transfer factor for Pb	64	-0.03	66	-0.01	67	0.02	67	0.00	
Plant transfer factor for Np	60	-0.04	61	-0.02	38	0.10	38	0.01	
Meat transfer factor for Np	14	-0.24	13	-0.13	15	-0.24	15	-0.03	
Milk transfer factor for Np	52	-0.06	49	-0.04	54	-0.05	54	-0.01	
Fish transfer factor for Np	65	-0.02	65	-0.01	24	0.18	24	0.03	
Plant transfer factor for Pu	57	-0.05	58	-0.02	30	-0.16	30	-0.02	
Meat transfer factor for Pu	55	-0.05	57	-0.02	39	-0.10	39	-0.01	
Milk transfer factor for Pu	38	0.11	42	0.05	48	-0.07	48	-0.01	
Fish transfer factor for Pu	20	0.18	24	0.09	18	0.21	18	0.03	
Plant transfer factor for Pa	68	-0.02	68	-0.01	28	-0.16	29	-0.02	
Meat transfer factor for Pa	5	-0.31	6	-0.21	45	0.08	45	0.01	
Milk transfer factor for Pa	50	0.06	51	0.03	14	0.24	14	0.03	
Fish transfer factor for Pa	61	0.04	62	0.02	56	0.04	57	0.01	
Plant transfer factor for Ra	27	0.15	25	0.09	72	0.00	72	0.00	
Meat transfer factor for Ra	41	-0.10	43	-0.05	59	0.04	59	0.00	
Milk transfer factor for Ra	51	0.06	52	0.03	31	0.16	31	0.02	
Fish transfer factor for Ra	6	-0.31	9	-0.16	71	0.00	71	0.00	
Plant transfer factor for Tc	1	0.80	3	0.72	1	0.99	1	0.81	
Meat transfer factor for Tc	13	0.24	12	0.14	32	-0.15	32	-0.02	
Milk transfer factor for Tc	33	-0.12	30	-0.07	3	0.56	3	0.09	
Fish transfer factor for Tc	29	0.14	33	0.07	17	-0.22	17	-0.03	
Plant transfer factor for Th	67	0.02	67	0.01	6	0.39	6	0.06	
Meat transfer factor for Th	25	-0.15	29	-0.08	29	-0.16	27	-0.02	
Milk transfer factor for Th	7	0.30	8	0.16	10	-0.27	10	-0.04	
Fish transfer factor for Th	39	0.10	40	0.05	42	-0.08	42	-0.01	
Plant transfer factor for U	70	0.01	71	0.00	69	0.01	69	0.00	
Meat transfer factor for U	15	-0.22	17	-0.10	13	0.24	12	0.04	
Milk transfer factor for U	21	0.17	26	0.09	37	-0.11	37	-0.02	
Fish transfer factor for U	46	-0.09	47	-0.04	61	-0.03	61	0.00	
Well pumping rate	43	0.09	44	0.05	35	0.12	35	0.02	
Inhalation rate	9	0.27	7	0.17	25	-0.18	25	-0.03	
Indoor dust filtration factor	11	0.25	14	0.12	16	-0.22	16	-0.03	
Depth of soil mixing layer	19	-0.18	22	-0.09	51	-0.07	51	-0.01	
Depth of roots	2	-0.71	4	-0.54	2	-0.97	2	-0.57	
Wet weight crop yield of fruit, grain and non-leafy vegetables	32	-0.12	35	-0.06	8	0.31	8	0.05	
Weathering removal constant of all vegetation	56	0.05	59	0.02	57	-0.04	56	-0.01	
Wet foliar interception fraction of leafy vegetables	44	0.09	46	0.04	65	0.02	65	0.00	

R-SQUARE 0.87 0.87 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 Tc-99 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable	Sig	Coef	Sig	Coef	Sig	Coef	Sig	Coef	Sig
Kd of Ac-227 in Contaminated Zone	57	0.10	58	0.03	7	0.24	7	0.04	
Kd of Ac-227 in Unsaturated Zone 1	54	0.11	44	0.04	57	0.06	57	0.01	
Kd of Ac-227 in Saturated Zone	63	-0.07	63	-0.02	28	-0.15	28	-0.02	
Kd of Np-237 in Contaminated Zone	58	0.10	57	0.03	12	0.19	13	0.03	
Kd of Np-237 in Unsaturated Zone 1	35	0.18	41	0.04	46	-0.10	45	-0.02	
Kd of Np-237 in Saturated Zone	41	0.14	47	0.04	64	0.02	64	0.00	
Kd of Pa-231 in Contaminated Zone	64	0.06	65	0.02	37	0.12	38	0.02	
Kd of Pa-231 in Unsaturated Zone 1	72	-0.01	72	0.00	61	-0.04	61	-0.01	
Kd of Pa-231 in Saturated Zone	21	-0.25	21	-0.09	45	-0.10	46	-0.02	
Kd of Pb-210 in Contaminated Zone	43	-0.13	19	-0.10	39	0.11	39	0.02	
Kd of Pb-210 in Unsaturated Zone 1	12	0.37	4	0.21	21	0.16	21	0.03	
Kd of Pb-210 in Saturated Zone	31	0.20	8	0.16	47	0.10	47	0.02	
Kd of Pu-239 in Contaminated Zone	26	-0.21	18	-0.11	56	0.07	56	0.01	
Kd of Pu-239 in Unsaturated Zone 1	52	-0.11	49	-0.04	33	0.15	33	0.02	
Kd of Pu-239 in Saturated Zone	55	-0.11	26	-0.08	11	-0.20	11	-0.03	
Kd of Ra-226 in Contaminated Zone	50	0.12	39	0.05	70	0.01	70	0.00	
Kd of Ra-226 in Unsaturated Zone 1	22	0.25	23	0.09	71	-0.01	71	0.00	
Kd of Ra-226 in Saturated Zone	56	0.10	56	0.03	26	-0.16	26	-0.02	
Kd of Tc-99 in Saturated Zone	6	0.45	11	0.14	65	0.02	65	0.00	
Kd of Th-229 in Contaminated Zone	39	0.15	16	0.11	60	0.04	60	0.01	
Kd of Th-229 in Unsaturated Zone 1	9	-0.41	6	-0.16	35	0.13	35	0.02	
Kd of Th-229 in Saturated Zone	4	0.54	5	0.19	15	-0.19	15	-0.03	
Kd of Th-230 in Contaminated Zone	30	0.20	20	0.10	62	0.04	62	0.01	
Kd of Th-230 in Unsaturated Zone 1	3	0.59	3	0.23	59	0.04	59	0.01	
Kd of Th-230 in Saturated Zone	33	-0.19	34	-0.07	41	-0.10	40	-0.02	
Kd of U-233 in Saturated Zone	61	0.08	61	0.02	43	0.10	44	0.02	
Kd of U-234 in Saturated Zone	67	-0.04	67	-0.01	58	0.05	58	0.01	
Kd of U-235 in Saturated Zone	62	0.07	62	0.02	4	0.28	4	0.05	
Kd of U-238 in Saturated Zone	18	0.27	30	0.07	19	-0.17	19	-0.03	
Plant transfer factor for Ac	34	-0.18	32	-0.07	69	0.01	69	0.00	
Meat transfer factor for Ac	49	0.12	46	0.04	5	0.27	5	0.04	
Milk transfer factor for Ac	40	-0.14	40	-0.05	67	0.01	67	0.00	
Fish transfer factor for Ac	11	-0.38	12	-0.14	55	-0.07	55	-0.01	
Plant transfer factor for Pb	48	-0.12	53	-0.03	48	0.09	48	0.01	
Meat transfer factor for Pb	38	0.16	42	0.04	17	-0.17	18	-0.03	
Milk transfer factor for Pb	66	0.05	66	0.01	68	-0.01	68	0.00	
Fish transfer factor for Pb	16	-0.29	17	-0.11	53	0.08	53	0.01	
Plant transfer factor for Np	70	-0.02	70	-0.01	38	0.12	37	0.02	
Meat transfer factor for Np	69	0.02	69	0.01	73	0.00	73	0.00	
Milk transfer factor for Np	59	-0.09	59	-0.03	3	0.35	3	0.06	
Fish transfer factor for Np	47	-0.12	50	-0.04	25	0.16	25	0.03	
Plant transfer factor for Pu	19	0.27	28	0.08	40	-0.10	41	-0.02	
Meat transfer factor for Pu	51	0.12	54	0.03	29	-0.15	31	-0.02	
Milk transfer factor for Pu	73	0.01	73	0.00	52	0.08	52	0.01	
Fish transfer factor for Pu	32	0.20	35	0.07	50	-0.09	51	-0.01	
Plant transfer factor for Pa	14	0.31	14	0.12	14	-0.19	14	-0.03	
Meat transfer factor for Pa	23	-0.25	31	-0.07	54	0.08	54	0.01	
Milk transfer factor for Pa	10	-0.40	7	-0.16	49	-0.09	49	-0.01	
Fish transfer factor for Pa	17	0.28	24	0.08	30	-0.15	30	-0.02	
Plant transfer factor for Ra	53	0.11	52	0.03	13	0.19	12	0.03	
Meat transfer factor for Ra	28	0.21	37	0.06	42	0.10	42	0.02	
Milk transfer factor for Ra	36	0.17	38	0.05	20	0.16	20	0.03	
Fish transfer factor for Ra	25	-0.22	29	-0.07	6	0.25	6	0.04	
Plant transfer factor for Tc	1	0.89	1	0.87	1	0.98	1	0.81	
Meat transfer factor for Tc	68	0.03	68	0.01	32	-0.15	32	-0.02	
Milk transfer factor for Tc	5	0.48	10	0.14	63	-0.04	63	-0.01	
Fish transfer factor for Tc	65	-0.05	64	-0.02	72	0.00	72	0.00	
Plant transfer factor for Th	24	0.24	33	0.07	18	0.17	17	0.03	
Meat transfer factor for Th	29	-0.21	25	-0.08	9	0.22	9	0.04	
Milk transfer factor for Th	15	0.31	22	0.09	8	0.23	8	0.04	
Fish transfer factor for Th	13	0.35	15	0.11	27	-0.16	27	-0.02	
Plant transfer factor for U	20	-0.27	27	-0.08	31	-0.15	29	-0.02	
Meat transfer factor for U	37	-0.16	43	-0.04	44	-0.10	43	-0.02	
Milk transfer factor for U	44	-0.13	55	-0.03	36	0.13	36	0.02	
Fish transfer factor for U	42	0.14	45	0.04	51	0.09	50	0.01	
Well pumping rate	60	-0.08	60	-0.02	24	-0.16	24	-0.03	
Inhalation rate	7	-0.45	9	-0.15	23	-0.16	23	-0.03	
Indoor dust filtration factor	45	0.13	48	0.04	16	0.18	16	0.03	
Depth of soil mixing layer	46	-0.12	51	-0.04	34	0.13	34	0.02	
Depth of roots	2	-0.81	2	-0.41	2	-0.96	2	-0.55	
Wet weight crop yield of fruit, grain and non-leafy vegetables	27	0.21	36	0.06	22	0.16	22	0.03	
Weathering removal constant of all vegetation	8	-0.41	13	-0.13	66	-0.02	66	0.00	
Wet foliar interception fraction of leafy vegetables	71	0.01	71	0.00	10	-0.22	10	-0.04	

R-SQUARE 0.96 0.96 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 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	
Kd of Ac-227 in Contaminated Zone	21	0.21	17	0.11	38	-0.12	38	-0.02	
Kd of Ac-227 in Unsaturated Zone 1	44	-0.12	44	-0.04	49	-0.07	50	-0.01	
Kd of Ac-227 in Saturated Zone	5	0.37	10	0.16	4	0.43	4	0.06	
Kd of Np-237 in Contaminated Zone	43	-0.12	29	-0.07	28	0.17	28	0.02	
Kd of Np-237 in Unsaturated Zone 1	23	-0.19	20	-0.10	68	0.02	68	0.00	
Kd of Np-237 in Saturated Zone	54	-0.08	52	-0.03	65	-0.03	65	0.00	
Kd of Pa-231 in Contaminated Zone	51	-0.08	15	-0.12	34	-0.15	35	-0.02	
Kd of Pa-231 in Unsaturated Zone 1	64	-0.02	64	-0.01	8	0.31	8	0.05	
Kd of Pa-231 in Saturated Zone	30	0.17	9	0.17	30	0.16	31	0.02	
Kd of Pb-210 in Contaminated Zone	60	0.04	60	0.02	55	-0.06	56	-0.01	
Kd of Pb-210 in Unsaturated Zone 1	39	0.14	40	0.05	16	-0.26	17	-0.04	
Kd of Pb-210 in Saturated Zone	18	0.23	24	0.09	22	-0.23	22	-0.03	
Kd of Pu-239 in Contaminated Zone	34	0.16	42	0.05	72	0.00	72	0.00	
Kd of Pu-239 in Unsaturated Zone 1	36	0.15	39	0.05	51	0.07	51	0.01	
Kd of Pu-239 in Saturated Zone	40	0.13	43	0.05	14	0.26	14	0.04	
Kd of Ra-226 in Contaminated Zone	73	0.00	73	0.00	40	0.12	40	0.02	
Kd of Ra-226 in Unsaturated Zone 1	25	0.19	4	0.30	54	-0.06	53	-0.01	
Kd of Ra-226 in Saturated Zone	55	0.06	58	0.02	37	-0.13	37	-0.02	
Kd of Tc-99 in Saturated Zone	38	-0.14	41	-0.05	46	-0.09	46	-0.01	
Kd of Th-229 in Contaminated Zone	59	-0.05	55	-0.02	10	-0.29	10	-0.04	
Kd of Th-229 in Unsaturated Zone 1	50	-0.08	46	-0.04	52	-0.06	52	-0.01	
Kd of Th-229 in Saturated Zone	19	-0.22	12	-0.15	6	-0.39	6	-0.06	
Kd of Th-230 in Contaminated Zone	70	0.01	65	0.01	62	-0.04	62	-0.01	
Kd of Th-230 in Unsaturated Zone 1	24	-0.19	3	-0.31	50	0.07	49	0.01	
Kd of Th-230 in Saturated Zone	7	-0.33	8	-0.18	48	0.07	48	0.01	
Kd of U-233 in Saturated Zone	71	-0.01	71	0.00	70	-0.01	70	0.00	
Kd of U-234 in Saturated Zone	67	0.01	67	0.01	32	-0.16	32	-0.02	
Kd of U-235 in Saturated Zone	37	0.14	45	0.04	42	-0.10	42	-0.01	
Kd of U-238 in Saturated Zone	63	0.03	61	0.01	19	-0.25	20	-0.03	
Plant transfer factor for Ac	17	0.25	25	0.09	26	-0.18	26	-0.03	
Meat transfer factor for Ac	35	0.15	37	0.05	35	-0.15	34	-0.02	
Milk transfer factor for Ac	27	-0.19	33	-0.06	29	0.17	29	0.02	
Fish transfer factor for Ac	28	0.19	30	0.06	5	-0.39	5	-0.06	
Plant transfer factor for Pb	26	0.19	28	0.08	36	-0.14	36	-0.02	
Meat transfer factor for Pb	56	-0.06	57	-0.02	43	-0.09	43	-0.01	
Milk transfer factor for Pb	66	0.01	66	0.01	33	0.16	33	0.02	
Fish transfer factor for Pb	29	0.17	31	0.06	61	0.04	61	0.01	
Plant transfer factor for Np	10	0.29	7	0.20	66	-0.02	66	0.00	
Meat transfer factor for Np	49	0.10	51	0.04	13	0.27	13	0.04	
Milk transfer factor for Np	68	-0.01	69	0.00	71	-0.01	71	0.00	
Fish transfer factor for Np	4	0.50	6	0.26	73	0.00	73	0.00	
Plant transfer factor for Pu	48	0.11	36	0.05	69	-0.02	69	0.00	
Meat transfer factor for Pu	8	0.32	14	0.13	39	-0.12	39	-0.02	
Milk transfer factor for Pu	65	0.02	68	0.00	31	-0.16	30	-0.02	
Fish transfer factor for Pu	20	0.22	22	0.09	45	0.09	45	0.01	
Plant transfer factor for Pa	47	-0.11	34	-0.06	44	-0.09	44	-0.01	
Meat transfer factor for Pa	31	-0.17	38	-0.05	47	-0.08	47	-0.01	
Milk transfer factor for Pa	22	-0.20	19	-0.11	3	-0.48	3	-0.08	
Fish transfer factor for Pa	42	0.13	47	0.04	56	-0.06	55	-0.01	
Plant transfer factor for Ra	62	0.03	62	0.01	18	-0.25	18	-0.04	
Meat transfer factor for Ra	58	0.05	59	0.02	58	-0.05	58	-0.01	
Milk transfer factor for Ra	57	0.06	56	0.02	27	0.18	27	0.02	
Fish transfer factor for Ra	6	0.35	11	0.15	23	0.22	24	0.03	
Plant transfer factor for Tc	1	0.87	1	0.75	1	0.99	1	0.78	
Meat transfer factor for Tc	53	0.08	54	0.03	15	0.26	15	0.04	
Milk transfer factor for Tc	12	0.27	16	0.11	20	0.24	19	0.03	
Fish transfer factor for Tc	32	0.16	32	0.06	17	-0.26	16	-0.04	
Plant transfer factor for Th	9	-0.31	13	-0.13	11	0.29	11	0.04	
Meat transfer factor for Th	41	-0.13	49	-0.04	41	0.10	41	0.01	
Milk transfer factor for Th	46	0.12	48	0.04	59	-0.04	59	-0.01	
Fish transfer factor for Th	14	0.26	23	0.09	7	0.37	7	0.05	
Plant transfer factor for U	16	0.25	27	0.08	12	0.27	12	0.04	
Meat transfer factor for U	72	0.01	72	0.00	63	0.04	63	0.01	
Milk transfer factor for U	15	0.25	18	0.11	25	0.21	25	0.03	
Fish transfer factor for U	3	0.68	5	0.29	57	-0.06	57	-0.01	
Well pumping rate	11	0.27	21	0.10	21	-0.24	21	-0.03	
Inhalation rate	61	0.04	63	0.01	60	-0.04	60	-0.01	
Indoor dust filtration factor	45	0.12	50	0.04	24	0.22	23	0.03	
Depth of soil mixing layer	13	-0.27	26	-0.08	9	0.31	9	0.04	
Depth of roots	2	-0.83	2	-0.49	2	-0.97	2	-0.59	
Wet weight crop yield of fruit, grain and non-leafy vegetables	33	-0.16	35	-0.05	67	0.02	67	0.00	
Weathering removal constant of all vegetation	52	-0.08	53	-0.03	64	-0.03	64	0.00	
Wet foliar interception fraction of leafy vegetables	69	0.01	70	0.00	53	-0.06	54	-0.01	

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 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	
Kd of Ac-227 in Contaminated Zone	32	0.16	31	0.05	59	0.08	58	0.01	
Kd of Ac-227 in Unsaturated Zone 1	37	0.13	18	0.07	60	0.07	60	0.01	
Kd of Ac-227 in Saturated Zone	65	-0.02	64	-0.01	41	-0.17	41	-0.03	
Kd of Np-237 in Contaminated Zone	13	0.25	12	0.10	46	-0.13	46	-0.02	
Kd of Np-237 in Unsaturated Zone 1	20	-0.20	23	-0.06	17	-0.30	17	-0.06	
Kd of Np-237 in Saturated Zone	62	0.03	62	0.01	63	0.06	63	0.01	
Kd of Pa-231 in Contaminated Zone	14	-0.24	11	-0.11	15	-0.32	15	-0.06	
Kd of Pa-231 in Unsaturated Zone 1	21	-0.19	25	-0.06	58	0.08	59	0.01	
Kd of Pa-231 in Saturated Zone	6	0.53	7	0.19	23	0.25	25	0.05	
Kd of Pb-210 in Contaminated Zone	41	-0.11	10	-0.15	49	-0.12	49	-0.02	
Kd of Pb-210 in Unsaturated Zone 1	23	-0.18	33	-0.05	62	-0.06	62	-0.01	
Kd of Pb-210 in Saturated Zone	51	0.07	50	0.02	32	0.21	33	0.04	
Kd of Pu-239 in Contaminated Zone	53	-0.06	55	-0.02	47	0.12	47	0.02	
Kd of Pu-239 in Unsaturated Zone 1	47	0.08	44	0.04	10	-0.39	9	-0.08	
Kd of Pu-239 in Saturated Zone	16	-0.23	20	-0.07	53	-0.10	53	-0.02	
Kd of Ra-226 in Contaminated Zone	18	0.21	19	0.07	44	0.15	45	0.03	
Kd of Ra-226 in Unsaturated Zone 1	60	-0.03	60	-0.01	73	-0.01	73	0.00	
Kd of Ra-226 in Saturated Zone	42	0.10	39	0.04	56	0.08	56	0.01	
Kd of Tc-99 in Saturated Zone	33	0.16	6	0.22	8	0.45	8	0.09	
Kd of Th-229 in Contaminated Zone	73	0.00	73	0.00	35	-0.21	36	-0.04	
Kd of Th-229 in Unsaturated Zone 1	46	-0.08	47	-0.03	61	0.07	61	0.01	
Kd of Th-229 in Saturated Zone	38	-0.13	37	-0.04	30	0.23	30	0.04	
Kd of Th-230 in Contaminated Zone	28	-0.16	36	-0.04	33	0.21	32	0.04	
Kd of Th-230 in Unsaturated Zone 1	56	-0.05	53	-0.02	40	-0.18	40	-0.03	
Kd of Th-230 in Saturated Zone	19	0.21	15	0.09	19	-0.29	19	-0.06	
Kd of U-233 in Saturated Zone	44	-0.10	40	-0.04	31	-0.23	31	-0.04	
Kd of U-234 in Saturated Zone	36	0.13	42	0.04	64	0.05	64	0.01	
Kd of U-235 in Saturated Zone	52	0.06	48	0.02	6	-0.47	6	-0.10	
Kd of U-238 in Saturated Zone	45	-0.09	46	-0.03	52	0.10	52	0.02	
Plant transfer factor for Ac	25	-0.17	27	-0.05	71	-0.01	71	0.00	
Meat transfer factor for Ac	68	0.01	67	0.00	42	0.16	42	0.03	
Milk transfer factor for Ac	72	0.00	72	0.00	43	-0.15	43	-0.03	
Fish transfer factor for Ac	49	-0.08	52	-0.02	66	-0.04	66	-0.01	
Plant transfer factor for Pb	30	-0.16	30	-0.05	45	-0.14	44	-0.03	
Meat transfer factor for Pb	67	-0.01	68	0.00	11	-0.36	11	-0.07	
Milk transfer factor for Pb	12	0.25	16	0.08	55	0.10	55	0.02	
Fish transfer factor for Pb	55	0.06	58	0.01	22	0.26	22	0.05	
Plant transfer factor for Np	24	-0.17	29	-0.05	20	-0.28	20	-0.05	
Meat transfer factor for Np	59	-0.04	59	-0.01	70	-0.02	70	0.00	
Milk transfer factor for Np	8	0.36	9	0.15	65	-0.05	65	-0.01	
Fish transfer factor for Np	39	0.13	41	0.04	21	0.28	21	0.05	
Plant transfer factor for Pu	22	-0.18	24	-0.06	13	0.33	14	0.06	
Meat transfer factor for Pu	17	-0.21	22	-0.07	34	0.21	34	0.04	
Milk transfer factor for Pu	34	0.16	35	0.05	67	0.04	67	0.01	
Fish transfer factor for Pu	50	0.07	51	0.02	69	-0.03	69	0.00	
Plant transfer factor for Pa	66	0.02	66	0.00	54	0.10	54	0.02	
Meat transfer factor for Pa	69	-0.01	69	0.00	12	-0.36	12	-0.07	
Milk transfer factor for Pa	10	0.32	13	0.10	51	-0.10	51	-0.02	
Fish transfer factor for Pa	35	-0.13	43	-0.04	18	-0.30	18	-0.06	
Plant transfer factor for Ra	31	0.16	26	0.06	72	0.01	72	0.00	
Meat transfer factor for Ra	27	0.17	32	0.05	25	-0.24	27	-0.05	
Milk transfer factor for Ra	26	0.17	28	0.05	50	-0.11	50	-0.02	
Fish transfer factor for Ra	63	0.02	63	0.01	9	-0.39	10	-0.08	
Plant transfer factor for Tc	61	0.03	61	0.01	36	-0.21	35	-0.04	
Meat transfer factor for Tc	58	-0.05	57	-0.02	38	-0.19	38	-0.03	
Milk transfer factor for Tc	40	-0.12	38	-0.04	37	-0.20	37	-0.04	
Fish transfer factor for Tc	29	-0.16	34	-0.05	29	0.24	29	0.04	
Plant transfer factor for Th	48	0.08	49	0.02	39	0.18	39	0.03	
Meat transfer factor for Th	57	0.05	56	0.02	26	0.24	26	0.05	
Milk transfer factor for Th	70	0.00	70	0.00	68	0.03	68	0.01	
Fish transfer factor for Th	71	0.00	71	0.00	24	-0.25	23	-0.05	
Plant transfer factor for U	2	0.85	2	0.45	3	0.91	3	0.40	
Meat transfer factor for U	5	0.67	5	0.24	4	0.85	4	0.30	
Milk transfer factor for U	3	0.83	3	0.44	2	0.92	2	0.44	
Fish transfer factor for U	9	-0.32	14	-0.10	14	-0.33	13	-0.06	
Well pumping rate	7	0.46	8	0.15	7	0.45	7	0.09	
Inhalation rate	43	0.10	45	0.04	27	0.24	24	0.05	
Indoor dust filtration factor	15	-0.23	21	-0.07	48	-0.12	48	-0.02	
Depth of soil mixing layer	1	-0.89	1	-0.58	1	-0.96	1	-0.64	
Depth of roots	4	-0.71	4	-0.32	5	-0.83	5	-0.28	
Wet weight crop yield of fruit, grain and non-leafy vegetables	54	-0.06	54	-0.02	16	0.31	16	0.06	
Weathering removal constant of all vegetation	11	-0.26	17	-0.08	28	-0.24	28	-0.05	
Wet foliar interception fraction of leafy vegetables	64	-0.02	65	-0.01	57	0.08	57	0.01	

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 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	57	0.08	58	0.02	41	0.13	41	0.03	
Kd of Ac-227 in Unsaturated Zone 1	7	0.48	8	0.21	10	0.39	10	0.08	
Kd of Ac-227 in Saturated Zone	11	0.35	13	0.12	65	0.04	65	0.01	
Kd of Np-237 in Contaminated Zone	69	-0.02	69	0.00	36	0.16	36	0.03	
Kd of Np-237 in Unsaturated Zone 1	58	0.07	60	0.02	50	-0.08	50	-0.02	
Kd of Np-237 in Saturated Zone	29	0.20	34	0.06	42	-0.13	42	-0.03	
Kd of Pa-231 in Contaminated Zone	66	0.04	66	0.01	58	-0.07	58	-0.01	
Kd of Pa-231 in Unsaturated Zone 1	34	-0.18	39	-0.05	66	0.04	66	0.01	
Kd of Pa-231 in Saturated Zone	22	-0.24	20	-0.09	19	0.28	19	0.06	
Kd of Pb-210 in Contaminated Zone	14	-0.32	7	-0.26	14	0.31	14	0.06	
Kd of Pb-210 in Unsaturated Zone 1	36	0.16	21	0.09	35	0.16	35	0.03	
Kd of Pb-210 in Saturated Zone	12	0.34	6	0.28	16	0.30	17	0.06	
Kd of Pu-239 in Contaminated Zone	53	-0.10	40	-0.05	24	0.25	24	0.05	
Kd of Pu-239 in Unsaturated Zone 1	71	-0.01	71	0.00	29	-0.19	29	-0.04	
Kd of Pu-239 in Saturated Zone	50	-0.11	22	-0.09	15	-0.31	15	-0.06	
Kd of Ra-226 in Contaminated Zone	26	-0.22	18	-0.09	73	0.00	73	0.00	
Kd of Ra-226 in Unsaturated Zone 1	17	0.26	16	0.10	23	0.26	23	0.05	
Kd of Ra-226 in Saturated Zone	18	0.26	27	0.07	28	0.20	28	0.04	
Kd of Tc-99 in Saturated Zone	64	-0.05	64	-0.01	55	0.07	54	0.01	
Kd of Th-229 in Contaminated Zone	35	0.18	12	0.14	21	0.27	21	0.05	
Kd of Th-229 in Unsaturated Zone 1	70	-0.01	70	0.00	8	0.43	8	0.09	
Kd of Th-229 in Saturated Zone	33	0.18	36	0.05	68	0.03	68	0.01	
Kd of Th-230 in Contaminated Zone	56	0.08	50	0.04	60	0.06	60	0.01	
Kd of Th-230 in Unsaturated Zone 1	63	0.05	63	0.02	47	-0.10	48	-0.02	
Kd of Th-230 in Saturated Zone	9	-0.40	11	-0.15	44	0.11	44	0.02	
Kd of U-233 in Saturated Zone	15	-0.31	19	-0.09	59	-0.07	59	-0.01	
Kd of U-234 in Saturated Zone	51	0.11	54	0.03	48	-0.10	47	-0.02	
Kd of U-235 in Saturated Zone	31	0.19	33	0.06	39	0.14	39	0.03	
Kd of U-238 in Saturated Zone	65	0.04	65	0.01	22	-0.27	22	-0.05	
Plant transfer factor for Ac	62	0.06	57	0.02	30	-0.19	30	-0.04	
Meat transfer factor for Ac	6	0.48	9	0.19	69	0.02	69	0.00	
Milk transfer factor for Ac	41	0.15	43	0.05	33	0.17	33	0.03	
Fish transfer factor for Ac	25	-0.22	26	-0.08	57	0.07	56	0.01	
Plant transfer factor for Pb	55	0.09	56	0.02	11	-0.38	11	-0.08	
Meat transfer factor for Pb	28	-0.21	31	-0.06	64	-0.04	64	-0.01	
Milk transfer factor for Pb	40	-0.15	48	-0.04	53	-0.07	53	-0.01	
Fish transfer factor for Pb	52	0.10	49	0.04	40	-0.14	40	-0.03	
Plant transfer factor for Np	54	0.09	55	0.03	17	0.30	16	0.06	
Meat transfer factor for Np	59	0.07	59	0.02	38	0.15	38	0.03	
Milk transfer factor for Np	32	0.18	32	0.06	67	0.03	67	0.01	
Fish transfer factor for Np	45	0.12	51	0.04	32	0.18	32	0.04	
Plant transfer factor for Pu	21	0.24	28	0.07	46	-0.10	46	-0.02	
Meat transfer factor for Pu	39	-0.15	44	-0.05	6	-0.47	6	-0.10	
Milk transfer factor for Pu	30	0.19	38	0.05	70	0.01	70	0.00	
Fish transfer factor for Pu	67	0.03	67	0.01	26	0.22	26	0.04	
Plant transfer factor for Pa	8	0.42	10	0.17	20	0.28	20	0.05	
Meat transfer factor for Pa	13	0.34	14	0.11	34	0.17	34	0.03	
Milk transfer factor for Pa	43	-0.13	42	-0.05	7	-0.46	7	-0.10	
Fish transfer factor for Pa	48	0.12	53	0.03	62	-0.05	62	-0.01	
Plant transfer factor for Ra	20	0.25	24	0.08	56	0.07	57	0.01	
Meat transfer factor for Ra	24	-0.23	30	-0.07	18	-0.28	18	-0.06	
Milk transfer factor for Ra	19	-0.25	25	-0.08	43	-0.13	43	-0.02	
Fish transfer factor for Ra	44	-0.12	47	-0.04	12	0.36	12	0.08	
Plant transfer factor for Tc	46	0.12	35	0.05	37	0.15	37	0.03	
Meat transfer factor for Tc	49	-0.12	45	-0.04	27	0.21	27	0.04	
Milk transfer factor for Tc	10	-0.36	15	-0.10	61	-0.05	61	-0.01	
Fish transfer factor for Tc	37	-0.16	37	-0.05	54	-0.07	55	-0.01	
Plant transfer factor for Th	61	-0.06	62	-0.02	51	-0.07	52	-0.01	
Meat transfer factor for Th	23	-0.23	17	-0.09	52	0.07	51	0.01	
Milk transfer factor for Th	16	0.27	23	0.08	31	0.19	31	0.04	
Fish transfer factor for Th	42	-0.14	46	-0.04	49	-0.09	49	-0.02	
Plant transfer factor for U	5	0.78	5	0.35	3	0.87	3	0.34	
Meat transfer factor for U	3	0.79	4	0.35	5	0.84	5	0.30	
Milk transfer factor for U	2	0.88	2	0.48	2	0.90	2	0.40	
Fish transfer factor for U	73	0.00	73	0.00	63	-0.04	63	-0.01	
Well pumping rate	60	-0.06	61	-0.02	45	-0.11	45	-0.02	
Inhalation rate	27	-0.22	29	-0.07	71	0.01	71	0.00	
Indoor dust filtration factor	47	0.12	52	0.03	13	0.36	13	0.07	
Depth of soil mixing layer	1	-0.90	1	-0.59	1	-0.95	1	-0.61	
Depth of roots	4	-0.79	3	-0.39	4	-0.85	4	-0.31	
Wet weight crop yield of fruit, grain and non-leafy vegetables	38	0.16	41	0.05	25	0.23	25	0.05	
Weathering removal constant of all vegetation	72	0.00	72	0.00	9	-0.40	9	-0.08	
Wet foliar interception fraction of leafy vegetables	68	0.02	68	0.01	72	0.01	72	0.00	

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 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	
Kd of Ac-227 in Contaminated Zone	52	0.05	49	0.04	48	-0.07	48	-0.02	
Kd of Ac-227 in Unsaturated Zone 1	58	0.03	59	0.02	68	0.01	68	0.00	
Kd of Ac-227 in Saturated Zone	14	0.23	18	0.13	24	-0.17	24	-0.04	
Kd of Np-237 in Contaminated Zone	17	0.22	15	0.17	55	-0.06	55	-0.01	
Kd of Np-237 in Unsaturated Zone 1	10	0.27	10	0.20	19	0.22	19	0.05	
Kd of Np-237 in Saturated Zone	19	-0.21	22	-0.12	12	-0.29	12	-0.07	
Kd of Pa-231 in Contaminated Zone	21	-0.20	4	-0.40	16	-0.24	16	-0.06	
Kd of Pa-231 in Unsaturated Zone 1	39	-0.11	28	-0.09	28	-0.14	28	-0.04	
Kd of Pa-231 in Saturated Zone	22	0.19	9	0.27	64	-0.02	64	-0.01	
Kd of Pb-210 in Contaminated Zone	23	-0.18	24	-0.11	37	0.12	37	0.03	
Kd of Pb-210 in Unsaturated Zone 1	28	-0.17	31	-0.08	63	-0.03	63	-0.01	
Kd of Pb-210 in Saturated Zone	20	0.20	26	0.11	66	-0.02	66	0.00	
Kd of Pu-239 in Contaminated Zone	49	0.07	50	0.03	25	0.16	25	0.04	
Kd of Pu-239 in Unsaturated Zone 1	40	0.10	44	0.05	47	0.08	47	0.02	
Kd of Pu-239 in Saturated Zone	71	0.01	71	0.00	34	-0.13	35	-0.03	
Kd of Ra-226 in Contaminated Zone	42	0.10	46	0.04	45	-0.09	45	-0.02	
Kd of Ra-226 in Unsaturated Zone 1	35	0.14	7	0.30	59	0.04	59	0.01	
Kd of Ra-226 in Saturated Zone	50	-0.06	52	-0.02	18	0.22	18	0.05	
Kd of Tc-99 in Saturated Zone	62	-0.03	64	-0.01	49	0.07	49	0.02	
Kd of Th-229 in Contaminated Zone	8	0.28	13	0.18	36	-0.13	36	-0.03	
Kd of Th-229 in Unsaturated Zone 1	65	0.02	60	0.02	10	-0.33	10	-0.09	
Kd of Th-229 in Saturated Zone	47	0.08	35	0.07	32	-0.13	32	-0.03	
Kd of Th-230 in Contaminated Zone	48	0.08	20	0.13	70	0.01	70	0.00	
Kd of Th-230 in Unsaturated Zone 1	36	-0.13	8	-0.28	46	-0.09	46	-0.02	
Kd of Th-230 in Saturated Zone	24	-0.18	19	-0.13	56	-0.05	56	-0.01	
Kd of U-233 in Saturated Zone	18	-0.21	29	-0.09	65	0.02	65	0.00	
Kd of U-234 in Saturated Zone	38	0.11	36	0.07	33	-0.13	33	-0.03	
Kd of U-235 in Saturated Zone	53	0.05	55	0.02	50	-0.06	50	-0.01	
Kd of U-238 in Saturated Zone	29	-0.16	23	-0.12	72	0.00	72	0.00	
Plant transfer factor for Ac	66	0.02	68	0.01	27	0.16	27	0.04	
Meat transfer factor for Ac	30	0.15	39	0.07	14	-0.26	13	-0.07	
Milk transfer factor for Ac	54	-0.04	61	-0.02	21	-0.21	21	-0.05	
Fish transfer factor for Ac	73	0.00	73	0.00	20	0.21	20	0.05	
Plant transfer factor for Pb	15	0.23	21	0.13	71	0.01	71	0.00	
Meat transfer factor for Pb	46	-0.09	48	-0.04	38	-0.11	38	-0.03	
Milk transfer factor for Pb	55	0.04	54	0.02	58	0.04	58	0.01	
Fish transfer factor for Pb	60	-0.03	62	-0.01	51	0.06	51	0.01	
Plant transfer factor for Np	67	0.02	58	0.02	9	-0.34	9	-0.09	
Meat transfer factor for Np	31	0.15	34	0.08	35	0.13	34	0.03	
Milk transfer factor for Np	32	0.14	41	0.07	7	-0.42	8	-0.11	
Fish transfer factor for Np	57	0.04	53	0.02	15	-0.25	15	-0.06	
Plant transfer factor for Pu	69	0.02	63	0.01	67	-0.01	67	0.00	
Meat transfer factor for Pu	51	0.05	51	0.03	53	-0.06	54	-0.01	
Milk transfer factor for Pu	34	0.14	42	0.06	41	0.10	42	0.02	
Fish transfer factor for Pu	41	0.10	43	0.06	40	-0.10	40	-0.02	
Plant transfer factor for Pa	9	-0.27	11	-0.20	57	0.04	57	0.01	
Meat transfer factor for Pa	68	-0.02	69	-0.01	6	-0.43	6	-0.11	
Milk transfer factor for Pa	44	0.10	38	0.07	17	-0.24	17	-0.06	
Fish transfer factor for Pa	64	-0.03	67	-0.01	44	-0.09	44	-0.02	
Plant transfer factor for Ra	12	-0.24	17	-0.14	31	-0.14	31	-0.03	
Meat transfer factor for Ra	26	0.17	30	0.09	43	0.10	43	0.02	
Milk transfer factor for Ra	37	-0.13	37	-0.07	73	0.00	73	0.00	
Fish transfer factor for Ra	70	-0.01	70	-0.01	39	-0.11	39	-0.03	
Plant transfer factor for Tc	59	0.03	56	0.02	60	0.04	60	0.01	
Meat transfer factor for Tc	6	0.39	12	0.18	42	-0.10	41	-0.02	
Milk transfer factor for Tc	11	-0.26	16	-0.15	22	0.19	22	0.05	
Fish transfer factor for Tc	63	0.03	65	0.01	30	0.14	30	0.03	
Plant transfer factor for Th	56	-0.04	57	-0.02	69	-0.01	69	0.00	
Meat transfer factor for Th	7	0.39	14	0.17	52	0.06	52	0.01	
Milk transfer factor for Th	72	0.00	72	0.00	13	-0.26	14	-0.07	
Fish transfer factor for Th	27	0.17	33	0.08	23	-0.18	23	-0.04	
Plant transfer factor for U	4	0.65	5	0.37	3	0.85	3	0.40	
Meat transfer factor for U	3	0.69	3	0.45	4	0.81	4	0.34	
Milk transfer factor for U	2	0.69	1	0.55	2	0.89	2	0.46	
Fish transfer factor for U	13	0.24	27	0.10	26	0.16	26	0.04	
Well pumping rate	16	0.23	25	0.11	54	-0.06	53	-0.01	
Inhalation rate	33	-0.14	40	-0.07	62	-0.03	62	-0.01	
Indoor dust filtration factor	61	0.03	66	0.01	8	0.41	7	0.11	
Depth of soil mixing layer	1	-0.76	2	-0.49	1	-0.92	1	-0.56	
Depth of roots	5	-0.59	6	-0.33	5	-0.75	5	-0.28	
Wet weight crop yield of fruit, grain and non-leafy vegetables	25	0.17	32	0.08	61	-0.03	61	-0.01	
Weathering removal constant of all vegetation	45	-0.09	47	-0.04	29	-0.14	29	-0.03	
Wet foliar interception fraction of leafy vegetables	43	0.10	45	0.04	11	-0.33	11	-0.08	

R-SQUARE 0.91 0.91 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 =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	
Kd of Ac-227 in Contaminated Zone	31	0.16	31	0.05	58	0.08	58	0.01	
Kd of Ac-227 in Unsaturated Zone 1	37	0.13	18	0.07	60	0.07	60	0.01	
Kd of Ac-227 in Saturated Zone	66	-0.02	63	-0.01	42	-0.17	42	-0.03	
Kd of Np-237 in Contaminated Zone	13	0.25	12	0.10	46	-0.13	46	-0.02	
Kd of Np-237 in Unsaturated Zone 1	20	-0.20	23	-0.06	17	-0.30	17	-0.06	
Kd of Np-237 in Saturated Zone	62	0.03	62	0.01	63	0.06	63	0.01	
Kd of Pa-231 in Contaminated Zone	14	-0.24	11	-0.10	15	-0.32	15	-0.06	
Kd of Pa-231 in Unsaturated Zone 1	21	-0.19	25	-0.06	59	0.08	59	0.01	
Kd of Pa-231 in Saturated Zone	6	0.53	7	0.19	23	0.25	23	0.05	
Kd of Pb-210 in Contaminated Zone	41	-0.11	9	-0.15	49	-0.12	49	-0.02	
Kd of Pb-210 in Unsaturated Zone 1	23	-0.18	33	-0.05	62	-0.06	62	-0.01	
Kd of Pb-210 in Saturated Zone	51	0.07	50	0.02	32	0.21	32	0.04	
Kd of Pu-239 in Contaminated Zone	52	-0.06	55	-0.02	47	0.12	47	0.02	
Kd of Pu-239 in Unsaturated Zone 1	47	0.08	44	0.04	10	-0.38	10	-0.08	
Kd of Pu-239 in Saturated Zone	16	-0.23	20	-0.07	53	-0.10	53	-0.02	
Kd of Ra-226 in Contaminated Zone	18	0.21	19	0.07	45	0.14	45	0.03	
Kd of Ra-226 in Unsaturated Zone 1	60	-0.03	60	-0.01	73	-0.01	73	0.00	
Kd of Ra-226 in Saturated Zone	42	0.10	39	0.04	57	0.08	57	0.01	
Kd of Tc-99 in Saturated Zone	33	0.16	6	0.22	8	0.45	8	0.09	
Kd of Th-229 in Contaminated Zone	73	0.00	73	0.00	37	-0.21	37	-0.04	
Kd of Th-229 in Unsaturated Zone 1	46	-0.08	47	-0.03	61	0.07	61	0.01	
Kd of Th-229 in Saturated Zone	38	-0.13	37	-0.04	30	0.23	30	0.04	
Kd of Th-230 in Contaminated Zone	28	-0.16	36	-0.04	33	0.21	33	0.04	
Kd of Th-230 in Unsaturated Zone 1	56	-0.05	53	-0.02	39	-0.18	39	-0.03	
Kd of Th-230 in Saturated Zone	19	0.21	15	0.09	19	-0.29	19	-0.06	
Kd of U-233 in Saturated Zone	44	-0.10	41	-0.04	31	-0.22	31	-0.04	
Kd of U-234 in Saturated Zone	36	0.13	42	0.04	64	0.05	64	0.01	
Kd of U-235 in Saturated Zone	53	0.06	48	0.02	6	-0.47	6	-0.10	
Kd of U-238 in Saturated Zone	45	-0.08	46	-0.03	51	0.11	51	0.02	
Plant transfer factor for Ac	25	-0.17	27	-0.05	71	-0.02	71	0.00	
Meat transfer factor for Ac	68	0.01	67	0.00	41	0.17	41	0.03	
Milk transfer factor for Ac	72	0.00	72	0.00	43	-0.15	43	-0.03	
Fish transfer factor for Ac	49	-0.08	52	-0.02	66	-0.04	66	-0.01	
Plant transfer factor for Pb	30	-0.16	30	-0.05	44	-0.15	44	-0.03	
Meat transfer factor for Pb	67	-0.01	68	0.00	11	-0.37	11	-0.07	
Milk transfer factor for Pb	12	0.25	16	0.08	55	0.10	55	0.02	
Fish transfer factor for Pb	55	0.06	58	0.01	22	0.26	22	0.05	
Plant transfer factor for Np	24	-0.17	29	-0.05	20	-0.28	20	-0.05	
Meat transfer factor for Np	59	-0.04	59	-0.01	70	-0.02	70	0.00	
Milk transfer factor for Np	8	0.36	10	0.15	65	-0.05	65	-0.01	
Fish transfer factor for Np	39	0.13	40	0.04	21	0.28	21	0.05	
Plant transfer factor for Pu	22	-0.18	24	-0.06	13	0.33	14	0.06	
Meat transfer factor for Pu	17	-0.21	22	-0.07	34	0.21	35	0.04	
Milk transfer factor for Pu	34	0.16	35	0.05	68	0.04	68	0.01	
Fish transfer factor for Pu	50	0.07	51	0.02	69	-0.02	69	0.00	
Plant transfer factor for Pa	64	0.02	65	0.01	54	0.10	54	0.02	
Meat transfer factor for Pa	69	-0.01	69	0.00	12	-0.36	12	-0.07	
Milk transfer factor for Pa	10	0.32	13	0.10	52	-0.11	52	-0.02	
Fish transfer factor for Pa	35	-0.13	43	-0.04	18	-0.30	18	-0.06	
Plant transfer factor for Ra	32	0.16	26	0.06	72	0.02	72	0.00	
Meat transfer factor for Ra	27	0.16	32	0.05	26	-0.24	27	-0.05	
Milk transfer factor for Ra	26	0.17	28	0.05	50	-0.11	50	-0.02	
Fish transfer factor for Ra	63	0.02	64	0.01	9	-0.39	9	-0.08	
Plant transfer factor for Tc	61	0.03	61	0.01	36	-0.21	36	-0.04	
Meat transfer factor for Tc	58	-0.05	57	-0.02	38	-0.19	38	-0.03	
Milk transfer factor for Tc	40	-0.12	38	-0.04	35	-0.21	34	-0.04	
Fish transfer factor for Tc	29	-0.16	34	-0.05	29	0.23	29	0.04	
Plant transfer factor for Th	48	0.08	49	0.02	40	0.18	40	0.03	
Meat transfer factor for Th	57	0.05	56	0.02	25	0.25	24	0.05	
Milk transfer factor for Th	70	0.00	70	0.00	67	0.04	67	0.01	
Fish transfer factor for Th	71	0.00	71	0.00	24	-0.25	25	-0.05	
Plant transfer factor for U	2	0.85	2	0.45	3	0.91	3	0.40	
Meat transfer factor for U	5	0.67	5	0.24	4	0.85	4	0.30	
Milk transfer factor for U	3	0.83	3	0.44	2	0.92	2	0.44	
Fish transfer factor for U	9	-0.32	14	-0.10	14	-0.33	13	-0.06	
Well pumping rate	7	0.46	8	0.15	7	0.45	7	0.09	
Inhalation rate	43	0.10	45	0.04	27	0.24	26	0.05	
Indoor dust filtration factor	15	-0.23	21	-0.07	48	-0.12	48	-0.02	
Depth of soil mixing layer	1	-0.88	1	-0.58	1	-0.96	1	-0.64	
Depth of roots	4	-0.71	4	-0.32	5	-0.83	5	-0.28	
Wet weight crop yield of fruit, grain and non-leafy vegetables	54	-0.06	54	-0.02	16	0.30	16	0.06	
Weathering removal constant of all vegetation	11	-0.26	17	-0.08	28	-0.24	28	-0.04	
Wet foliar interception fraction of leafy vegetables	65	-0.02	66	-0.01	56	0.08	56	0.01	

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 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	56	0.08	58	0.02	42	0.13	42	0.03	
Kd of Ac-227 in Unsaturated Zone 1	7	0.48	8	0.21	10	0.39	10	0.08	
Kd of Ac-227 in Saturated Zone	11	0.35	13	0.12	64	0.03	64	0.01	
Kd of Np-237 in Contaminated Zone	69	-0.02	69	0.00	37	0.15	37	0.03	
Kd of Np-237 in Unsaturated Zone 1	58	0.07	60	0.02	51	-0.08	51	-0.02	
Kd of Np-237 in Saturated Zone	29	0.20	32	0.06	41	-0.14	41	-0.03	
Kd of Pa-231 in Contaminated Zone	66	0.04	66	0.01	56	-0.06	56	-0.01	
Kd of Pa-231 in Unsaturated Zone 1	34	-0.18	39	-0.05	66	0.03	66	0.01	
Kd of Pa-231 in Saturated Zone	22	-0.24	20	-0.09	20	0.28	20	0.05	
Kd of Pb-210 in Contaminated Zone	14	-0.32	7	-0.26	15	0.31	14	0.06	
Kd of Pb-210 in Unsaturated Zone 1	36	0.17	21	0.09	35	0.16	35	0.03	
Kd of Pb-210 in Saturated Zone	12	0.34	6	0.28	17	0.30	17	0.06	
Kd of Pu-239 in Contaminated Zone	53	-0.10	42	-0.05	24	0.25	24	0.05	
Kd of Pu-239 in Unsaturated Zone 1	71	-0.01	71	0.00	29	-0.20	29	-0.04	
Kd of Pu-239 in Saturated Zone	50	-0.12	22	-0.09	14	-0.31	15	-0.06	
Kd of Ra-226 in Contaminated Zone	27	-0.22	19	-0.09	73	0.00	73	0.00	
Kd of Ra-226 in Unsaturated Zone 1	17	0.26	16	0.10	23	0.26	23	0.05	
Kd of Ra-226 in Saturated Zone	18	0.26	27	0.07	27	0.21	27	0.04	
Kd of Tc-99 in Saturated Zone	64	-0.05	64	-0.01	53	0.08	53	0.01	
Kd of Th-229 in Contaminated Zone	35	0.18	12	0.14	22	0.27	22	0.05	
Kd of Th-229 in Unsaturated Zone 1	70	-0.01	70	0.00	8	0.43	8	0.09	
Kd of Th-229 in Saturated Zone	33	0.18	37	0.05	68	0.02	68	0.00	
Kd of Th-230 in Contaminated Zone	57	0.08	50	0.04	61	0.05	61	0.01	
Kd of Th-230 in Unsaturated Zone 1	63	0.05	62	0.02	49	-0.09	49	-0.02	
Kd of Th-230 in Saturated Zone	9	-0.40	11	-0.15	44	0.11	44	0.02	
Kd of U-233 in Saturated Zone	15	-0.31	18	-0.09	57	-0.06	57	-0.01	
Kd of U-234 in Saturated Zone	51	0.11	54	0.03	48	-0.10	47	-0.02	
Kd of U-235 in Saturated Zone	31	0.19	34	0.06	39	0.14	39	0.03	
Kd of U-238 in Saturated Zone	65	0.04	65	0.01	21	-0.28	21	-0.05	
Plant transfer factor for Ac	62	0.06	57	0.02	31	-0.19	31	-0.04	
Meat transfer factor for Ac	6	0.48	9	0.19	69	0.02	69	0.00	
Milk transfer factor for Ac	41	0.15	43	0.05	33	0.18	33	0.03	
Fish transfer factor for Ac	25	-0.22	26	-0.08	59	0.06	59	0.01	
Plant transfer factor for Pb	55	0.08	56	0.02	11	-0.39	11	-0.08	
Meat transfer factor for Pb	28	-0.21	31	-0.06	65	-0.03	65	-0.01	
Milk transfer factor for Pb	40	-0.15	48	-0.04	55	-0.06	55	-0.01	
Fish transfer factor for Pb	52	0.10	49	0.04	40	-0.14	40	-0.03	
Plant transfer factor for Np	54	0.09	55	0.03	16	0.30	16	0.06	
Meat transfer factor for Np	59	0.07	59	0.02	38	0.14	38	0.03	
Milk transfer factor for Np	32	0.18	33	0.06	67	0.02	67	0.00	
Fish transfer factor for Np	45	0.12	51	0.04	32	0.18	32	0.04	
Plant transfer factor for Pu	21	0.24	28	0.07	47	-0.10	48	-0.02	
Meat transfer factor for Pu	39	-0.15	44	-0.05	6	-0.47	6	-0.10	
Milk transfer factor for Pu	30	0.19	38	0.05	70	0.01	70	0.00	
Fish transfer factor for Pu	67	0.03	67	0.01	26	0.22	26	0.04	
Plant transfer factor for Pa	8	0.42	10	0.17	19	0.28	19	0.06	
Meat transfer factor for Pa	13	0.34	14	0.10	34	0.17	34	0.03	
Milk transfer factor for Pa	43	-0.13	40	-0.05	7	-0.46	7	-0.10	
Fish transfer factor for Pa	47	0.12	52	0.03	62	-0.04	62	-0.01	
Plant transfer factor for Ra	20	0.25	24	0.08	54	0.07	54	0.01	
Meat transfer factor for Ra	24	-0.23	30	-0.07	18	-0.28	18	-0.06	
Milk transfer factor for Ra	19	-0.25	25	-0.08	43	-0.12	43	-0.02	
Fish transfer factor for Ra	44	-0.12	47	-0.04	12	0.36	12	0.08	
Plant transfer factor for Tc	46	0.12	35	0.05	36	0.15	36	0.03	
Meat transfer factor for Tc	49	-0.12	45	-0.04	28	0.20	28	0.04	
Milk transfer factor for Tc	10	-0.36	15	-0.10	60	-0.05	60	-0.01	
Fish transfer factor for Tc	37	-0.16	36	-0.05	58	-0.06	58	-0.01	
Plant transfer factor for Th	61	-0.06	63	-0.02	52	-0.08	52	-0.02	
Meat transfer factor for Th	23	-0.23	17	-0.09	50	0.09	50	0.02	
Milk transfer factor for Th	16	0.28	23	0.09	30	0.19	30	0.04	
Fish transfer factor for Th	42	-0.14	46	-0.04	46	-0.11	46	-0.02	
Plant transfer factor for U	5	0.78	5	0.35	3	0.87	3	0.34	
Meat transfer factor for U	3	0.79	4	0.35	5	0.84	5	0.30	
Milk transfer factor for U	2	0.88	2	0.48	2	0.90	2	0.40	
Fish transfer factor for U	73	0.00	73	0.00	63	-0.03	63	-0.01	
Well pumping rate	60	-0.06	61	-0.02	45	-0.11	45	-0.02	
Inhalation rate	26	-0.22	29	-0.07	71	0.01	71	0.00	
Indoor dust filtration factor	48	0.12	53	0.03	13	0.36	13	0.07	
Depth of soil mixing layer	1	-0.90	1	-0.59	1	-0.95	1	-0.61	
Depth of roots	4	-0.79	3	-0.39	4	-0.85	4	-0.31	
Wet weight crop yield of fruit, grain and non-leafy vegetables	38	0.16	41	0.05	25	0.24	25	0.05	
Weathering removal constant of all vegetation	72	0.00	72	0.00	9	-0.40	9	-0.08	
Wet foliar interception fraction of leafy vegetables	68	0.02	68	0.01	72	0.01	72	0.00	

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 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	52	0.05	49	0.04	49	-0.07	49	-0.02	
Kd of Ac-227 in Unsaturated Zone 1	58	0.03	59	0.02	68	0.01	68	0.00	
Kd of Ac-227 in Saturated Zone	14	0.23	18	0.13	24	-0.18	24	-0.04	
Kd of Np-237 in Contaminated Zone	17	0.22	15	0.17	55	-0.05	55	-0.01	
Kd of Np-237 in Unsaturated Zone 1	10	0.27	10	0.20	20	0.21	20	0.05	
Kd of Np-237 in Saturated Zone	19	-0.21	22	-0.12	12	-0.30	12	-0.07	
Kd of Pa-231 in Contaminated Zone	21	-0.20	4	-0.40	16	-0.24	16	-0.06	
Kd of Pa-231 in Unsaturated Zone 1	39	-0.11	28	-0.09	30	-0.14	29	-0.03	
Kd of Pa-231 in Saturated Zone	22	0.19	9	0.27	64	-0.02	64	-0.01	
Kd of Pb-210 in Contaminated Zone	23	-0.18	24	-0.11	37	0.12	37	0.03	
Kd of Pb-210 in Unsaturated Zone 1	28	-0.17	31	-0.08	61	-0.04	62	-0.01	
Kd of Pb-210 in Saturated Zone	20	0.21	26	0.11	67	-0.01	67	0.00	
Kd of Pu-239 in Contaminated Zone	49	0.07	50	0.03	25	0.17	25	0.04	
Kd of Pu-239 in Unsaturated Zone 1	40	0.10	44	0.05	47	0.08	47	0.02	
Kd of Pu-239 in Saturated Zone	71	0.01	71	0.00	33	-0.13	34	-0.03	
Kd of Ra-226 in Contaminated Zone	42	0.10	46	0.04	42	-0.10	42	-0.02	
Kd of Ra-226 in Unsaturated Zone 1	35	0.14	7	0.30	60	0.04	60	0.01	
Kd of Ra-226 in Saturated Zone	50	-0.06	52	-0.02	18	0.22	18	0.06	
Kd of Tc-99 in Saturated Zone	62	-0.03	65	-0.01	48	0.07	48	0.02	
Kd of Th-229 in Contaminated Zone	8	0.28	13	0.18	36	-0.13	36	-0.03	
Kd of Th-229 in Unsaturated Zone 1	65	0.03	60	0.02	10	-0.33	10	-0.08	
Kd of Th-229 in Saturated Zone	47	0.08	35	0.07	32	-0.14	32	-0.03	
Kd of Th-230 in Contaminated Zone	48	0.08	20	0.13	72	0.00	72	0.00	
Kd of Th-230 in Unsaturated Zone 1	36	-0.13	8	-0.28	44	-0.09	45	-0.02	
Kd of Th-230 in Saturated Zone	24	-0.18	19	-0.13	56	-0.05	56	-0.01	
Kd of U-233 in Saturated Zone	18	-0.21	29	-0.09	65	0.02	65	0.00	
Kd of U-234 in Saturated Zone	38	0.11	36	0.07	35	-0.13	35	-0.03	
Kd of U-235 in Saturated Zone	53	0.05	55	0.02	53	-0.06	53	-0.01	
Kd of U-238 in Saturated Zone	29	-0.16	23	-0.12	73	0.00	73	0.00	
Plant transfer factor for Ac	66	0.02	68	0.01	27	0.16	26	0.04	
Meat transfer factor for Ac	30	0.15	39	0.07	14	-0.26	14	-0.07	
Milk transfer factor for Ac	54	-0.04	61	-0.02	19	-0.22	19	-0.05	
Fish transfer factor for Ac	73	0.00	73	0.00	21	0.21	21	0.05	
Plant transfer factor for Pb	15	0.23	21	0.13	71	0.00	71	0.00	
Meat transfer factor for Pb	46	-0.09	48	-0.04	39	-0.11	39	-0.03	
Milk transfer factor for Pb	55	0.04	54	0.02	58	0.04	58	0.01	
Fish transfer factor for Pb	60	-0.03	62	-0.01	50	0.07	50	0.02	
Plant transfer factor for Np	68	0.02	58	0.02	9	-0.34	9	-0.09	
Meat transfer factor for Np	31	0.15	34	0.08	29	0.14	30	0.03	
Milk transfer factor for Np	32	0.14	41	0.07	7	-0.42	7	-0.11	
Fish transfer factor for Np	57	0.04	53	0.02	15	-0.24	17	-0.06	
Plant transfer factor for Pu	69	0.02	63	0.01	66	-0.02	66	0.00	
Meat transfer factor for Pu	51	0.05	51	0.03	51	-0.06	51	-0.01	
Milk transfer factor for Pu	34	0.14	42	0.06	43	0.09	43	0.02	
Fish transfer factor for Pu	41	0.10	43	0.06	40	-0.10	40	-0.02	
Plant transfer factor for Pa	9	-0.27	11	-0.19	57	0.05	57	0.01	
Meat transfer factor for Pa	67	-0.02	69	-0.01	6	-0.43	6	-0.12	
Milk transfer factor for Pa	44	0.10	38	0.07	17	-0.24	15	-0.06	
Fish transfer factor for Pa	64	-0.03	67	-0.01	46	-0.09	44	-0.02	
Plant transfer factor for Ra	12	-0.24	17	-0.14	34	-0.13	33	-0.03	
Meat transfer factor for Ra	26	0.17	30	0.09	45	0.09	46	0.02	
Milk transfer factor for Ra	37	-0.13	37	-0.07	70	-0.01	69	0.00	
Fish transfer factor for Ra	70	-0.01	70	0.00	38	-0.11	38	-0.03	
Plant transfer factor for Tc	59	0.03	57	0.02	59	0.04	59	0.01	
Meat transfer factor for Tc	6	0.39	12	0.18	41	-0.10	41	-0.02	
Milk transfer factor for Tc	11	-0.26	16	-0.15	22	0.19	22	0.05	
Fish transfer factor for Tc	63	0.03	64	0.01	28	0.14	28	0.03	
Plant transfer factor for Th	56	-0.04	56	-0.02	69	-0.01	70	0.00	
Meat transfer factor for Th	7	0.39	14	0.17	52	0.06	52	0.01	
Milk transfer factor for Th	72	0.00	72	0.00	13	-0.26	13	-0.07	
Fish transfer factor for Th	27	0.17	33	0.08	23	-0.19	23	-0.05	
Plant transfer factor for U	4	0.65	5	0.37	3	0.85	3	0.40	
Meat transfer factor for U	3	0.69	3	0.45	4	0.81	4	0.34	
Milk transfer factor for U	2	0.69	1	0.55	2	0.89	2	0.46	
Fish transfer factor for U	13	0.24	27	0.10	26	0.16	27	0.04	
Well pumping rate	16	0.23	25	0.11	54	-0.06	54	-0.01	
Inhalation rate	33	-0.14	40	-0.07	62	-0.04	61	-0.01	
Indoor dust filtration factor	61	0.03	66	0.01	8	0.41	8	0.11	
Depth of soil mixing layer	1	-0.76	2	-0.49	1	-0.92	1	-0.56	
Depth of roots	5	-0.59	6	-0.33	5	-0.76	5	-0.28	
Wet weight crop yield of fruit, grain and non-leafy vegetables	25	0.18	32	0.08	63	-0.03	63	-0.01	
Weathering removal constant of all vegetation	45	-0.09	47	-0.04	31	-0.14	31	-0.03	
Wet foliar interception fraction of leafy vegetables	43	0.10	45	0.04	11	-0.33	11	-0.08	

R-SQUARE 0.91 0.91 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-238 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	32	0.16	31	0.05	59	0.08	59	0.01	
Kd of Ac-227 in Unsaturated Zone 1	37	0.13	18	0.07	60	0.07	60	0.01	
Kd of Ac-227 in Saturated Zone	65	-0.02	64	-0.01	42	-0.16	42	-0.03	
Kd of Np-237 in Contaminated Zone	13	0.25	12	0.10	46	-0.14	46	-0.03	
Kd of Np-237 in Unsaturated Zone 1	20	-0.20	23	-0.06	18	-0.30	19	-0.06	
Kd of Np-237 in Saturated Zone	62	0.03	62	0.01	62	0.06	63	0.01	
Kd of Pa-231 in Contaminated Zone	14	-0.24	11	-0.11	15	-0.32	15	-0.06	
Kd of Pa-231 in Unsaturated Zone 1	21	-0.19	25	-0.06	57	0.08	57	0.02	
Kd of Pa-231 in Saturated Zone	6	0.53	7	0.19	24	0.25	24	0.05	
Kd of Pb-210 in Contaminated Zone	41	-0.11	10	-0.15	49	-0.12	50	-0.02	
Kd of Pb-210 in Unsaturated Zone 1	23	-0.18	33	-0.05	63	-0.06	62	-0.01	
Kd of Pb-210 in Saturated Zone	51	0.07	50	0.02	32	0.21	32	0.04	
Kd of Pu-239 in Contaminated Zone	52	-0.06	55	-0.02	48	0.12	48	0.02	
Kd of Pu-239 in Unsaturated Zone 1	47	0.08	44	0.04	10	-0.38	10	-0.08	
Kd of Pu-239 in Saturated Zone	16	-0.23	21	-0.07	53	-0.10	53	-0.02	
Kd of Ra-226 in Contaminated Zone	18	0.21	19	0.07	44	0.15	44	0.03	
Kd of Ra-226 in Unsaturated Zone 1	60	-0.03	60	-0.01	73	-0.01	73	0.00	
Kd of Ra-226 in Saturated Zone	42	0.10	39	0.04	56	0.08	56	0.02	
Kd of Tc-99 in Saturated Zone	33	0.16	6	0.22	8	0.44	8	0.09	
Kd of Th-229 in Contaminated Zone	73	0.00	73	0.00	37	-0.21	37	-0.04	
Kd of Th-229 in Unsaturated Zone 1	46	-0.08	47	-0.03	61	0.07	61	0.01	
Kd of Th-229 in Saturated Zone	38	-0.13	37	-0.04	30	0.23	31	0.04	
Kd of Th-230 in Contaminated Zone	28	-0.16	36	-0.04	35	0.21	34	0.04	
Kd of Th-230 in Unsaturated Zone 1	56	-0.05	53	-0.02	40	-0.18	40	-0.03	
Kd of Th-230 in Saturated Zone	19	0.21	15	0.09	19	-0.29	18	-0.06	
Kd of U-233 in Saturated Zone	44	-0.10	40	-0.04	31	-0.23	30	-0.04	
Kd of U-234 in Saturated Zone	36	0.13	42	0.04	64	0.05	64	0.01	
Kd of U-235 in Saturated Zone	53	0.06	49	0.02	6	-0.47	6	-0.10	
Kd of U-238 in Saturated Zone	45	-0.09	46	-0.03	51	0.11	51	0.02	
Plant transfer factor for Ac	25	-0.17	27	-0.05	69	-0.02	69	0.00	
Meat transfer factor for Ac	68	0.01	66	0.00	41	0.17	41	0.03	
Milk transfer factor for Ac	71	0.00	71	0.00	45	-0.14	45	-0.03	
Fish transfer factor for Ac	49	-0.08	52	-0.02	68	-0.03	68	-0.01	
Plant transfer factor for Pb	30	-0.16	30	-0.05	43	-0.15	43	-0.03	
Meat transfer factor for Pb	67	-0.01	68	0.00	11	-0.36	11	-0.07	
Milk transfer factor for Pb	12	0.25	16	0.08	54	0.10	55	0.02	
Fish transfer factor for Pb	55	0.06	58	0.01	22	0.27	22	0.05	
Plant transfer factor for Np	24	-0.17	29	-0.05	20	-0.28	21	-0.05	
Meat transfer factor for Np	59	-0.04	59	-0.01	70	-0.02	70	0.00	
Milk transfer factor for Np	8	0.36	9	0.15	65	-0.04	65	-0.01	
Fish transfer factor for Np	39	0.12	41	0.04	21	0.28	20	0.05	
Plant transfer factor for Pu	22	-0.18	24	-0.06	13	0.33	13	0.06	
Meat transfer factor for Pu	17	-0.21	22	-0.07	36	0.21	36	0.04	
Milk transfer factor for Pu	34	0.16	35	0.05	67	0.04	67	0.01	
Fish transfer factor for Pu	50	0.07	51	0.02	71	-0.02	71	0.00	
Plant transfer factor for Pa	66	0.01	67	0.00	55	0.10	54	0.02	
Meat transfer factor for Pa	69	-0.01	69	0.00	12	-0.36	12	-0.07	
Milk transfer factor for Pa	10	0.32	13	0.10	52	-0.10	52	-0.02	
Fish transfer factor for Pa	35	-0.13	43	-0.04	17	-0.30	17	-0.06	
Plant transfer factor for Ra	31	0.16	26	0.06	72	0.02	72	0.00	
Meat transfer factor for Ra	27	0.17	32	0.05	27	-0.24	28	-0.05	
Milk transfer factor for Ra	26	0.17	28	0.05	50	-0.12	49	-0.02	
Fish transfer factor for Ra	63	0.02	63	0.01	9	-0.39	9	-0.08	
Plant transfer factor for Tc	61	0.03	61	0.01	34	-0.21	35	-0.04	
Meat transfer factor for Tc	58	-0.04	57	-0.02	38	-0.19	38	-0.03	
Milk transfer factor for Tc	40	-0.12	38	-0.04	33	-0.21	33	-0.04	
Fish transfer factor for Tc	29	-0.16	34	-0.05	29	0.24	29	0.04	
Plant transfer factor for Th	48	0.08	48	0.02	39	0.18	39	0.03	
Meat transfer factor for Th	57	0.05	56	0.02	25	0.24	26	0.05	
Milk transfer factor for Th	70	0.00	70	0.00	66	0.04	66	0.01	
Fish transfer factor for Th	72	0.00	72	0.00	23	-0.25	23	-0.05	
Plant transfer factor for U	2	0.85	2	0.46	3	0.91	3	0.40	
Meat transfer factor for U	5	0.67	5	0.24	4	0.85	4	0.30	
Milk transfer factor for U	3	0.83	3	0.44	2	0.92	2	0.44	
Fish transfer factor for U	9	-0.32	14	-0.10	14	-0.33	14	-0.06	
Well pumping rate	7	0.46	8	0.15	7	0.45	7	0.09	
Inhalation rate	43	0.10	45	0.04	26	0.24	25	0.05	
Indoor dust filtration factor	15	-0.24	20	-0.07	47	-0.12	47	-0.02	
Depth of soil mixing layer	1	-0.88	1	-0.57	1	-0.96	1	-0.64	
Depth of roots	4	-0.71	4	-0.32	5	-0.83	5	-0.28	
Wet weight crop yield of fruit, grain and non-leafy vegetables	54	-0.06	54	-0.02	16	0.31	16	0.06	
Weathering removal constant of all vegetation	11	-0.26	17	-0.08	28	-0.24	27	-0.05	
Wet foliar interception fraction of leafy vegetables	64	-0.02	65	-0.01	58	0.08	58	0.01	

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 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	57	0.08	58	0.02	40	0.13	41	0.03	
Kd of Ac-227 in Unsaturated Zone 1	7	0.48	8	0.21	10	0.39	11	0.08	
Kd of Ac-227 in Saturated Zone	11	0.35	13	0.12	66	0.02	66	0.00	
Kd of Np-237 in Contaminated Zone	69	-0.02	69	0.00	37	0.15	37	0.03	
Kd of Np-237 in Unsaturated Zone 1	58	0.07	60	0.02	52	-0.08	52	-0.02	
Kd of Np-237 in Saturated Zone	29	0.20	34	0.06	38	-0.14	38	-0.03	
Kd of Pa-231 in Contaminated Zone	66	0.04	66	0.01	58	-0.06	58	-0.01	
Kd of Pa-231 in Unsaturated Zone 1	34	-0.18	39	-0.05	64	0.03	64	0.01	
Kd of Pa-231 in Saturated Zone	22	-0.24	20	-0.09	20	0.28	20	0.06	
Kd of Pb-210 in Contaminated Zone	14	-0.32	7	-0.26	15	0.31	15	0.06	
Kd of Pb-210 in Unsaturated Zone 1	36	0.16	21	0.09	34	0.17	35	0.03	
Kd of Pb-210 in Saturated Zone	12	0.34	6	0.28	16	0.30	17	0.06	
Kd of Pu-239 in Contaminated Zone	53	-0.10	40	-0.05	24	0.25	24	0.05	
Kd of Pu-239 in Unsaturated Zone 1	71	-0.01	71	0.00	30	-0.19	30	-0.04	
Kd of Pu-239 in Saturated Zone	49	-0.11	22	-0.09	14	-0.31	14	-0.06	
Kd of Ra-226 in Contaminated Zone	27	-0.22	18	-0.09	71	0.00	71	0.00	
Kd of Ra-226 in Unsaturated Zone 1	17	0.26	16	0.10	22	0.26	22	0.05	
Kd of Ra-226 in Saturated Zone	18	0.26	27	0.07	26	0.21	26	0.04	
Kd of Tc-99 in Saturated Zone	64	-0.05	64	-0.01	53	0.08	53	0.01	
Kd of Th-229 in Contaminated Zone	35	0.18	12	0.14	23	0.26	23	0.05	
Kd of Th-229 in Unsaturated Zone 1	70	-0.01	70	0.00	8	0.43	8	0.09	
Kd of Th-229 in Saturated Zone	33	0.18	35	0.05	68	0.02	68	0.00	
Kd of Th-230 in Contaminated Zone	56	0.08	50	0.04	60	0.05	60	0.01	
Kd of Th-230 in Unsaturated Zone 1	63	0.05	63	0.02	49	-0.09	49	-0.02	
Kd of Th-230 in Saturated Zone	9	-0.40	11	-0.15	44	0.11	44	0.02	
Kd of U-233 in Saturated Zone	15	-0.31	19	-0.09	55	-0.07	55	-0.01	
Kd of U-234 in Saturated Zone	50	0.11	53	0.03	48	-0.10	47	-0.02	
Kd of U-235 in Saturated Zone	31	0.19	32	0.06	42	0.13	42	0.03	
Kd of U-238 in Saturated Zone	65	0.04	65	0.01	18	-0.28	19	-0.06	
Plant transfer factor for Ac	62	0.06	57	0.02	29	-0.20	29	-0.04	
Meat transfer factor for Ac	6	0.48	9	0.19	67	0.02	67	0.00	
Milk transfer factor for Ac	41	0.15	43	0.05	33	0.18	33	0.03	
Fish transfer factor for Ac	25	-0.22	26	-0.08	57	0.07	56	0.01	
Plant transfer factor for Pb	55	0.08	56	0.02	11	-0.39	10	-0.08	
Meat transfer factor for Pb	28	-0.21	31	-0.06	65	-0.03	65	-0.01	
Milk transfer factor for Pb	40	-0.15	48	-0.04	59	-0.06	59	-0.01	
Fish transfer factor for Pb	52	0.10	49	0.04	39	-0.14	39	-0.03	
Plant transfer factor for Np	54	0.09	55	0.03	17	0.30	16	0.06	
Meat transfer factor for Np	59	0.07	59	0.02	41	0.13	40	0.03	
Milk transfer factor for Np	32	0.18	33	0.06	69	0.02	69	0.00	
Fish transfer factor for Np	45	0.12	51	0.04	32	0.18	32	0.03	
Plant transfer factor for Pu	21	0.24	28	0.07	47	-0.10	48	-0.02	
Meat transfer factor for Pu	39	-0.15	44	-0.05	7	-0.46	7	-0.10	
Milk transfer factor for Pu	30	0.19	38	0.05	70	0.02	70	0.00	
Fish transfer factor for Pu	67	0.03	67	0.01	27	0.21	27	0.04	
Plant transfer factor for Pa	8	0.42	10	0.17	21	0.27	21	0.05	
Meat transfer factor for Pa	13	0.34	14	0.11	35	0.16	34	0.03	
Milk transfer factor for Pa	43	-0.13	42	-0.05	6	-0.47	6	-0.10	
Fish transfer factor for Pa	47	0.12	52	0.03	62	-0.05	62	-0.01	
Plant transfer factor for Ra	19	0.25	24	0.08	54	0.08	54	0.01	
Meat transfer factor for Ra	24	-0.23	30	-0.07	19	-0.28	18	-0.06	
Milk transfer factor for Ra	20	-0.25	25	-0.08	43	-0.12	43	-0.02	
Fish transfer factor for Ra	44	-0.12	47	-0.04	12	0.37	12	0.08	
Plant transfer factor for Tc	46	0.12	36	0.05	36	0.16	36	0.03	
Meat transfer factor for Tc	48	-0.12	45	-0.04	28	0.21	28	0.04	
Milk transfer factor for Tc	10	-0.36	15	-0.10	61	-0.05	61	-0.01	
Fish transfer factor for Tc	38	-0.16	37	-0.05	56	-0.07	57	-0.01	
Plant transfer factor for Th	60	-0.06	61	-0.02	51	-0.08	51	-0.02	
Meat transfer factor for Th	23	-0.23	17	-0.09	50	0.09	50	0.02	
Milk transfer factor for Th	16	0.27	23	0.08	31	0.18	31	0.04	
Fish transfer factor for Th	42	-0.14	46	-0.04	46	-0.11	46	-0.02	
Plant transfer factor for U	5	0.78	5	0.35	3	0.87	3	0.34	
Meat transfer factor for U	3	0.79	4	0.35	5	0.85	5	0.30	
Milk transfer factor for U	2	0.88	2	0.48	2	0.91	2	0.40	
Fish transfer factor for U	73	0.00	73	0.00	63	-0.03	63	-0.01	
Well pumping rate	61	-0.06	62	-0.02	45	-0.11	45	-0.02	
Inhalation rate	26	-0.22	29	-0.07	73	0.00	73	0.00	
Indoor dust filtration factor	51	0.11	54	0.03	13	0.35	13	0.07	
Depth of soil mixing layer	1	-0.90	1	-0.59	1	-0.95	1	-0.61	
Depth of roots	4	-0.79	3	-0.39	4	-0.85	4	-0.31	
Wet weight crop yield of fruit, grain and non-leafy vegetables	37	0.16	41	0.05	25	0.23	25	0.05	
Weathering removal constant of all vegetation	72	0.01	72	0.00	9	-0.40	9	-0.08	
Wet foliar interception fraction of leafy vegetables	68	0.02	68	0.01	72	0.00	72	0.00	

R-SQUARE 0.96 0.96 0.97 0.97

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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	
Kd of Ac-227 in Contaminated Zone	52	0.05	49	0.04	50	-0.06	50	-0.02	
Kd of Ac-227 in Unsaturated Zone 1	59	0.03	59	0.02	69	0.01	69	0.00	
Kd of Ac-227 in Saturated Zone	14	0.23	18	0.13	24	-0.17	25	-0.04	
Kd of Np-237 in Contaminated Zone	17	0.22	15	0.17	54	-0.06	54	-0.01	
Kd of Np-237 in Unsaturated Zone 1	10	0.27	10	0.20	20	0.21	19	0.05	
Kd of Np-237 in Saturated Zone	19	-0.21	22	-0.12	12	-0.29	12	-0.07	
Kd of Pa-231 in Contaminated Zone	21	-0.20	4	-0.40	16	-0.24	15	-0.06	
Kd of Pa-231 in Unsaturated Zone 1	39	-0.11	28	-0.09	28	-0.14	28	-0.03	
Kd of Pa-231 in Saturated Zone	22	0.19	9	0.27	64	-0.03	64	-0.01	
Kd of Pb-210 in Contaminated Zone	23	-0.19	24	-0.11	37	0.11	38	0.03	
Kd of Pb-210 in Unsaturated Zone 1	28	-0.17	31	-0.08	63	-0.03	63	-0.01	
Kd of Pb-210 in Saturated Zone	20	0.21	26	0.11	66	-0.02	66	0.00	
Kd of Pu-239 in Contaminated Zone	49	0.07	50	0.03	25	0.17	24	0.04	
Kd of Pu-239 in Unsaturated Zone 1	40	0.10	44	0.05	47	0.08	47	0.02	
Kd of Pu-239 in Saturated Zone	71	0.01	71	0.00	33	-0.13	33	-0.03	
Kd of Ra-226 in Contaminated Zone	42	0.10	46	0.04	41	-0.10	41	-0.02	
Kd of Ra-226 in Unsaturated Zone 1	35	0.14	7	0.30	57	0.04	57	0.01	
Kd of Ra-226 in Saturated Zone	50	-0.06	52	-0.02	18	0.22	18	0.05	
Kd of Tc-99 in Saturated Zone	61	-0.03	64	-0.01	48	0.07	49	0.02	
Kd of Th-229 in Contaminated Zone	8	0.28	13	0.18	36	-0.12	36	-0.03	
Kd of Th-229 in Unsaturated Zone 1	65	0.02	60	0.02	11	-0.33	11	-0.08	
Kd of Th-229 in Saturated Zone	47	0.08	35	0.07	35	-0.13	35	-0.03	
Kd of Th-230 in Contaminated Zone	48	0.07	21	0.13	72	0.00	72	0.00	
Kd of Th-230 in Unsaturated Zone 1	36	-0.13	8	-0.28	45	-0.09	45	-0.02	
Kd of Th-230 in Saturated Zone	24	-0.18	19	-0.13	56	-0.05	56	-0.01	
Kd of U-233 in Saturated Zone	18	-0.21	29	-0.09	65	0.02	65	0.01	
Kd of U-234 in Saturated Zone	38	0.11	36	0.07	34	-0.13	34	-0.03	
Kd of U-235 in Saturated Zone	53	0.05	55	0.02	52	-0.06	52	-0.01	
Kd of U-238 in Saturated Zone	29	-0.16	23	-0.12	71	-0.01	71	0.00	
Plant transfer factor for Ac	66	0.02	68	0.01	27	0.16	26	0.04	
Meat transfer factor for Ac	30	0.15	39	0.07	14	-0.26	14	-0.07	
Milk transfer factor for Ac	54	-0.04	61	-0.02	21	-0.21	21	-0.05	
Fish transfer factor for Ac	73	0.00	73	0.00	19	0.21	20	0.05	
Plant transfer factor for Pb	15	0.23	20	0.13	73	0.00	73	0.00	
Meat transfer factor for Pb	46	-0.09	48	-0.04	40	-0.10	40	-0.02	
Milk transfer factor for Pb	55	0.04	54	0.02	58	0.04	58	0.01	
Fish transfer factor for Pb	60	-0.03	62	-0.01	49	0.07	48	0.02	
Plant transfer factor for Np	67	0.02	58	0.02	9	-0.35	9	-0.09	
Meat transfer factor for Np	31	0.15	34	0.08	29	0.14	30	0.03	
Milk transfer factor for Np	33	0.14	41	0.07	7	-0.42	7	-0.11	
Fish transfer factor for Np	57	0.04	53	0.02	15	-0.24	16	-0.06	
Plant transfer factor for Pu	69	0.02	63	0.01	67	-0.01	67	0.00	
Meat transfer factor for Pu	51	0.05	51	0.03	51	-0.06	51	-0.01	
Milk transfer factor for Pu	34	0.14	42	0.06	42	0.10	42	0.02	
Fish transfer factor for Pu	41	0.10	43	0.06	39	-0.11	39	-0.03	
Plant transfer factor for Pa	9	-0.27	11	-0.20	59	0.04	59	0.01	
Meat transfer factor for Pa	68	-0.02	69	-0.01	6	-0.43	6	-0.11	
Milk transfer factor for Pa	44	0.10	38	0.07	17	-0.23	17	-0.06	
Fish transfer factor for Pa	64	-0.03	66	-0.01	46	-0.08	46	-0.02	
Plant transfer factor for Ra	12	-0.24	17	-0.14	32	-0.13	32	-0.03	
Meat transfer factor for Ra	26	0.17	30	0.09	43	0.10	43	0.02	
Milk transfer factor for Ra	37	-0.13	37	-0.07	70	-0.01	70	0.00	
Fish transfer factor for Ra	70	-0.01	70	-0.01	38	-0.11	37	-0.03	
Plant transfer factor for Tc	58	0.03	56	0.02	61	0.04	61	0.01	
Meat transfer factor for Tc	6	0.39	12	0.18	44	-0.09	44	-0.02	
Milk transfer factor for Tc	11	-0.26	16	-0.15	22	0.20	22	0.05	
Fish transfer factor for Tc	63	0.03	65	0.01	30	0.14	29	0.03	
Plant transfer factor for Th	56	-0.04	57	-0.02	68	-0.01	68	0.00	
Meat transfer factor for Th	7	0.39	14	0.17	53	0.06	53	0.01	
Milk transfer factor for Th	72	0.00	72	0.00	13	-0.27	13	-0.07	
Fish transfer factor for Th	27	0.17	33	0.08	23	-0.19	23	-0.05	
Plant transfer factor for U	4	0.65	5	0.37	3	0.85	3	0.40	
Meat transfer factor for U	3	0.69	3	0.45	4	0.81	4	0.34	
Milk transfer factor for U	2	0.69	1	0.55	2	0.89	2	0.46	
Fish transfer factor for U	13	0.24	27	0.10	26	0.16	27	0.04	
Well pumping rate	16	0.23	25	0.11	55	-0.05	55	-0.01	
Inhalation rate	32	-0.15	40	-0.07	60	-0.04	60	-0.01	
Indoor dust filtration factor	62	0.03	67	0.01	8	0.40	8	0.11	
Depth of soil mixing layer	1	-0.76	2	-0.49	1	-0.92	1	-0.56	
Depth of roots	5	-0.59	6	-0.33	5	-0.75	5	-0.28	
Wet weight crop yield of fruit, grain and non-leafy vegetables	25	0.18	32	0.08	62	-0.03	62	-0.01	
Weathering removal constant of all vegetation	45	-0.09	47	-0.04	31	-0.14	31	-0.03	
Wet foliar interception fraction of leafy vegetables	43	0.10	45	0.04	10	-0.34	10	-0.09	

R-SQUARE 0.90 0.90 0.95 0.95

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