

Table of Contents

Part VI: Uncertainty Analysis

=====

ORESAD Uncertainty Analysis Results

Probabilistic Input	2
Total Dose	4
Total Risk	5
Dose vs Pathway: Ground External	6
Dose vs Pathway: Inhalation (w/o Radon)	7
Dose vs Pathway: Radon (Water Ind.)	8
Dose vs Pathway: Plant (Water Ind.)	9
Dose vs Pathway: Meat (Water Ind.)	10
Dose vs Pathway: Milk (Water Ind.)	11
Dose vs Pathway: Soil Ingestion	12
Dose vs Pathway: Water Ingestion	13
Dose vs Pathway: Fish Ingestion	14
Dose vs Pathway: Radon (Water Dep.)	15
Dose vs Pathway: Plant (Water Dep.)	16
Dose vs Pathway: Meat (Water Dep.)	17
Dose vs Pathway: Milk (Water Dep.)	18
Cumulative Probability Summary.....	19
Summary of dose at graphical times, reptition 1.....	20
Summary of dose at graphical times, reptition 2.....	21
Summary of dose at graphical times, reptition 3.....	22
Peak of the mean dose at graphical times.....	23
Correlation and Regression coefficients (if any).....	24

Probabilistic Input

0Number of Sample Runs: 300

Number	Name	Distribution	Parameters	
1	DCACTC (1)	LOGNORMAL-N	6.72	3.22
2	DCACTU1 (1)	LOGNORMAL-N	6.72	3.22
3	DCACTS (1)	LOGNORMAL-N	6.72	3.22
4	DCACTC (2)	LOGNORMAL-N	7.28	3.15
5	DCACTU1 (2)	LOGNORMAL-N	7.28	3.15
6	DCACTS (2)	LOGNORMAL-N	7.28	3.15
7	DCACTC (3)	LOGNORMAL-N	2.84	2.25
8	DCACTU1 (3)	LOGNORMAL-N	2.84	2.25
9	DCACTS (3)	LOGNORMAL-N	2.87	2.25
10	DCACTC (4)	LOGNORMAL-N	5.94	3.22
11	DCACTU1 (4)	LOGNORMAL-N	5.94	3.22
12	DCACTS (4)	LOGNORMAL-N	5.94	3.22
13	DCACTC (5)	LOGNORMAL-N	7.78	2.76
14	DCACTU1 (5)	LOGNORMAL-N	7.78	2.76
15	DCACTS (5)	LOGNORMAL-N	7.78	2.76
16	DCACTC (6)	LOGNORMAL-N	6.86	1.89
17	DCACTU1 (6)	LOGNORMAL-N	6.86	1.89
18	DCACTS (6)	LOGNORMAL-N	6.86	1.89
19	DCACTC (7)	LOGNORMAL-N	8.17	1.7
20	DCACTU1 (7)	LOGNORMAL-N	8.17	1.7
21	DCACTS (7)	LOGNORMAL-N	8.17	1.7
22	DCACTS (8)	LOGNORMAL-N	- .67	3.16
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	DCACTC (10)	LOGNORMAL-N	8.68	3.62
27	DCACTU1 (10)	LOGNORMAL-N	8.68	3.62
28	DCACTS (10)	LOGNORMAL-N	8.68	3.62
29	DCACTS (11)	LOGNORMAL-N	4.84	3.13
30	DCACTS (12)	LOGNORMAL-N	4.84	3.13
31	DCACTS (13)	LOGNORMAL-N	4.84	3.13
32	DCACTS (14)	LOGNORMAL-N	4.84	3.13
33	BRTF (89,1)	LOGNORMAL-N	-6.91	1.098612
34	BRTF (89,2)	LOGNORMAL-N	-10.82	1.029619
35	BRTF (89,3)	LOGNORMAL-N	-13.12	.91629
36	BBIO (89,1)	LOGNORMAL-N	2.7	1.1
37	BRTF (95,1)	LOGNORMAL-N	-6.91	.916291
38	BRTF (95,2)	LOGNORMAL-N	-9.9	.2
39	BRTF (95,3)	LOGNORMAL-N	-13.12	.69315
40	BBIO (95,1)	LOGNORMAL-N	3.4	1.1
41	BRTF (82,1)	LOGNORMAL-N	-5.52	.916291
42	BRTF (82,2)	LOGNORMAL-N	-7.13	.693147
43	BRTF (82,3)	LOGNORMAL-N	-8.11	.91629
44	BBIO (82,1)	LOGNORMAL-N	5.7	1.1
45	BRTF (93,1)	LOGNORMAL-N	-3.91	.916291
46	BRTF (93,2)	LOGNORMAL-N	-6.91	.693147
47	BRTF (93,3)	LOGNORMAL-N	-11.51	.69315
48	BBIO (93,1)	LOGNORMAL-N	3.4	1.1

Probabilistic Input (cont.)

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

Probabilistic results summary : Hematite - Root CSM Sensitivity Analysis

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

0 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	
Am-241											
Min	0.00E+00	4.27E-04	1.50E-04	1.49E-04	1.52E-04	1.66E-04	3.66E-06	6.39E-09	9.46E-11	6.34E-14	
Max	1.00E+03	5.24E-02	2.68E-02	2.67E-02	2.66E-02	2.61E-02	2.48E-02	2.08E-02	3.31E-02	2.96E-02	
Avg	8.75E+01	2.77E-03	2.46E-03	2.45E-03	2.44E-03	2.40E-03	2.32E-03	2.15E-03	1.91E-03	6.12E-04	
Std	1.44E+02	4.14E-03	2.80E-03	2.79E-03	2.78E-03	2.75E-03	2.67E-03	2.50E-03	2.77E-03	1.87E-03	
Np-237											
Min	0.00E+00	9.72E-03	6.60E-03	6.59E-03	6.56E-03	2.67E-03	1.51E-05	9.74E-09	1.61E-08	2.13E-08	
Max	1.00E+03	3.33E+01	1.70E+00	1.68E+00	1.64E+00	1.52E+00	9.58E+00	1.86E+01	1.24E+01	5.64E+00	
Avg	2.97E+02	1.28E+00	1.19E-01	1.17E-01	1.13E-01	1.04E-01	1.38E-01	2.80E-01	2.65E-01	1.77E-01	
Std	3.56E+02	3.52E+00	1.66E-01	1.64E-01	1.60E-01	1.52E-01	5.92E-01	1.31E+00	9.44E-01	4.59E-01	
Pu-239											
Min	0.00E+00	4.13E-05	1.34E-05	1.34E-05	1.34E-05	1.34E-05	1.34E-05	1.34E-05	4.61E-06	3.62E-10	
Max	1.00E+03	2.83E-03	2.64E-03	2.63E-03	2.63E-03	2.63E-03	2.63E-03	2.62E-03	2.59E-03	2.83E-03	
Avg	2.29E+02	3.05E-04	2.43E-04	2.43E-04	2.43E-04	2.44E-04	2.46E-04	2.58E-04	2.83E-04	2.18E-04	
Std	9.79E+01	3.26E-04	2.71E-04	2.71E-04	2.71E-04	2.72E-04	2.73E-04	2.77E-04	2.87E-04	2.68E-04	
Tc-99											
Min	0.00E+00	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.56E-01	1.54E-01	1.48E-01	1.28E-01	5.68E-02	
Max	2.50E+02	5.34E+01	5.34E+01	5.34E+01	5.33E+01	5.31E+01	5.24E+01	5.02E+01	4.33E+01	1.92E+01	
Avg	5.04E+01	3.90E+00	3.77E+00	3.76E+00	3.76E+00	3.76E+00	3.74E+00	3.68E+00	3.39E+00	1.70E+00	
Std	9.81E+01	5.10E+00	4.94E+00	4.94E+00	4.94E+00	4.93E+00	4.90E+00	4.82E+00	4.47E+00	2.31E+00	
U-234											
Min	0.00E+00	4.45E-01	6.54E-02	6.53E-02	6.53E-02	6.52E-02	6.51E-02	6.74E-02	4.38E-01	4.16E-01	
Max	1.00E+03	1.56E+01	1.46E+01	1.46E+01	1.46E+01	1.46E+01	1.45E+01	1.43E+01	1.53E+01	1.21E+01	
Avg	3.93E+02	1.66E+00	1.18E+00	1.18E+00	1.18E+00	1.19E+00	1.21E+00	1.33E+00	1.60E+00	1.33E+00	
Std	2.96E+02	1.57E+00	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.38E+00	1.43E+00	1.51E+00	1.07E+00	
U-235											
Min	2.50E+02	5.52E-01	2.16E-02	2.19E-02	2.24E-02	2.45E-02	3.14E-02	7.33E-02	5.41E-01	4.10E-01	
Max	1.00E+03	4.47E+00	1.57E+00	1.57E+00	1.57E+00	1.57E+00	1.57E+00	1.58E+00	2.23E+00	4.37E+00	
Avg	5.22E+02	9.71E-01	1.40E-01	1.40E-01	1.42E-01	1.48E-01	1.65E-01	2.46E-01	7.94E-01	8.93E-01	
Std	3.10E+02	6.45E-01	1.44E-01	1.44E-01	1.44E-01	1.45E-01	1.48E-01	1.66E-01	2.65E-01	6.58E-01	
U-238											
Min	0.00E+00	2.08E-01	2.27E-02	2.28E-02	2.30E-02	2.38E-02	2.64E-02	4.04E-02	2.03E-01	1.51E-01	
Max	2.50E+02	2.58E+00	2.30E+00	2.30E+00	2.30E+00	2.29E+00	2.29E+00	2.26E+00	2.53E+00	1.95E+00	
Avg	2.49E+02	3.92E-01	1.96E-01	1.96E-01	1.97E-01	1.99E-01	2.06E-01	2.37E-01	3.82E-01	2.71E-01	
Std	1.44E+01	2.42E-01	2.12E-01	2.12E-01	2.12E-01	2.13E-01	2.15E-01	2.23E-01	2.36E-01	1.62E-01	
-ALL											
Min	0.00E+00	1.78E+00	7.80E-01	7.83E-01	7.89E-01	8.10E-01	8.15E-01	9.45E-01	1.73E+00	1.35E+00	
Max	1.00E+03	5.42E+01	5.42E+01	5.42E+01	5.41E+01	5.39E+01	5.33E+01	5.12E+01	4.52E+01	2.17E+01	
Avg	3.17E+02	7.53E+00	5.40E+00	5.40E+00	5.40E+00	5.40E+00	5.47E+00	5.77E+00	6.44E+00	4.37E+00	
Std	2.28E+02	6.41E+00	5.30E+00	5.30E+00	5.30E+00	5.29E+00	5.28E+00	5.53E+00	5.10E+00	3.04E+00	

=====
-ALL is total dose summed for all nuclides.

Probabilistic results summary : Hematite - Root CSM Sensitivity Analysis

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

ONuclide (j)	t=	Probabilistic Risk Summary							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
RISK(j,t)									
Am-241									
Min		1.66E-10	1.66E-10	1.68E-10	1.83E-10	4.44E-12	5.81E-15	2.20E-16	6.85E-19
Max		2.97E-08	2.96E-08	2.94E-08	2.89E-08	2.75E-08	2.31E-08	3.32E-08	2.90E-08
Avg		2.74E-09	2.73E-09	2.72E-09	2.68E-09	2.59E-09	2.41E-09	3.17E-09	9.65E-10
Std		3.09E-09	3.09E-09	3.08E-09	3.04E-09	2.95E-09	2.75E-09	2.93E-09	1.86E-09
Np-237									
Min		9.20E-09	9.24E-09	9.32E-09	2.30E-09	1.38E-11	8.61E-14	1.97E-13	3.15E-13
Max		1.06E-06	1.05E-06	1.02E-06	9.42E-07	4.83E-06	9.63E-06	6.98E-06	3.27E-06
Avg		7.88E-08	7.76E-08	7.53E-08	6.96E-08	8.49E-08	1.61E-07	1.91E-07	1.24E-07
Std		1.03E-07	1.01E-07	9.88E-08	9.37E-08	3.00E-07	6.75E-07	5.17E-07	2.59E-07
Pu-239									
Min		1.98E-11	1.98E-11	1.98E-11	1.98E-11	1.98E-11	1.98E-11	7.09E-12	7.80E-16
Max		3.89E-09	3.89E-09	3.89E-09	3.88E-09	3.88E-09	3.86E-09	3.83E-09	3.65E-09
Avg		3.61E-10	3.61E-10	3.62E-10	3.63E-10	3.67E-10	3.85E-10	4.29E-10	3.29E-10
Std		4.00E-10	4.00E-10	4.00E-10	4.01E-10	4.02E-10	4.09E-10	4.23E-10	3.80E-10
Tc-99									
Min		1.29E-05	1.29E-05	1.29E-05	1.29E-05	1.27E-05	1.22E-05	1.05E-05	4.66E-06
Max		4.39E-03	4.39E-03	4.38E-03	4.36E-03	4.31E-03	4.13E-03	3.56E-03	1.58E-03
Avg		3.10E-04	3.09E-04	3.09E-04	3.09E-04	3.08E-04	3.03E-04	2.79E-04	1.40E-04
Std		4.06E-04	4.06E-04	4.06E-04	4.05E-04	4.03E-04	3.96E-04	3.68E-04	1.90E-04
U-234									
Min		6.62E-07	6.62E-07	6.61E-07	6.60E-07	6.59E-07	6.95E-07	4.51E-06	4.29E-06
Max		1.48E-04	1.48E-04	1.48E-04	1.48E-04	1.47E-04	1.44E-04	1.55E-04	1.24E-04
Avg		1.18E-05	1.19E-05	1.19E-05	1.20E-05	1.22E-05	1.33E-05	1.63E-05	1.49E-05
Std		1.37E-05	1.37E-05	1.37E-05	1.38E-05	1.39E-05	1.44E-05	1.53E-05	1.09E-05
U-235									
Min		3.89E-07	3.93E-07	4.02E-07	4.35E-07	5.49E-07	1.32E-06	1.08E-05	8.24E-06
Max		1.73E-05	1.73E-05	1.73E-05	1.73E-05	1.74E-05	1.78E-05	2.80E-05	2.18E-05
Avg		1.67E-06	1.68E-06	1.69E-06	1.74E-06	1.89E-06	2.80E-06	1.22E-05	9.73E-06
Std		1.58E-06	1.58E-06	1.58E-06	1.59E-06	1.60E-06	1.66E-06	1.76E-06	1.33E-06
U-238									
Min		4.21E-07	4.24E-07	4.29E-07	4.47E-07	5.06E-07	8.26E-07	3.95E-06	2.96E-06
Max		3.11E-05	3.11E-05	3.11E-05	3.10E-05	3.09E-05	3.07E-05	3.53E-05	2.72E-05
Avg		2.74E-06	2.75E-06	2.76E-06	2.79E-06	2.91E-06	3.45E-06	6.36E-06	4.58E-06
Std		2.85E-06	2.86E-06	2.86E-06	2.87E-06	2.90E-06	3.01E-06	3.18E-06	2.18E-06
-ALL									
Min		1.95E-05	1.95E-05	1.95E-05	1.95E-05	1.97E-05	2.08E-05	3.19E-05	2.45E-05
Max		4.40E-03	4.39E-03	4.39E-03	4.37E-03	4.32E-03	4.14E-03	3.59E-03	1.60E-03
Avg		3.26E-04	3.26E-04	3.26E-04	3.25E-04	3.25E-04	3.23E-04	3.14E-04	1.69E-04
Std		4.07E-04	4.07E-04	4.07E-04	4.06E-04	4.04E-04	3.98E-04	3.70E-04	1.93E-04

-ALL is total risk summed for all nuclides.

Probabilistic results summary : Hematite - Root CSM Sensitivity Analysis

File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - ROOT 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									
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Am-241									
Min		3.05E-08	2.59E-08	1.88E-08	6.17E-09	4.02E-10	8.63E-11	7.51E-12	5.70E-15
Max		3.35E-08	3.46E-08	3.68E-08	4.57E-08	8.44E-08	6.94E-07	6.82E-05	2.25E-05
Avg		3.35E-08	3.44E-08	3.65E-08	4.48E-08	8.08E-08	6.36E-07	5.88E-05	1.72E-05
Std		2.35E-10	6.81E-10	1.48E-09	3.79E-09	1.12E-08	1.36E-07	1.78E-05	7.37E-06
Np-237									
Min		2.14E-04	1.68E-04	1.02E-04	1.82E-05	1.30E-07	2.28E-10	9.89E-10	7.43E-10
Max		2.44E-04	2.46E-04	2.52E-04	2.75E-04	3.50E-04	8.16E-04	5.46E-03	5.44E-03
Avg		2.41E-04	2.40E-04	2.38E-04	2.38E-04	2.61E-04	4.67E-04	2.19E-03	1.26E-03
Std		4.49E-06	1.27E-05	2.62E-05	5.69E-05	1.06E-04	3.00E-04	2.03E-03	1.75E-03
Pu-239									
Min		1.94E-09	1.94E-09	1.94E-09	1.95E-09	1.96E-09	2.00E-09	1.32E-09	1.04E-11
Max		1.96E-09	1.98E-09	2.04E-09	2.24E-09	2.95E-09	7.67E-09	7.31E-08	7.18E-08
Avg		1.96E-09	1.98E-09	2.03E-09	2.23E-09	2.91E-09	7.42E-09	6.75E-08	5.93E-08
Std		1.13E-12	3.41E-12	8.09E-12	2.59E-11	9.07E-11	6.04E-10	1.09E-08	1.74E-08
Tc-99									
Min		9.33E-07	9.52E-07	9.92E-07	1.15E-06	1.74E-06	7.45E-06	2.04E-04	1.32E-04
Max		9.33E-07	9.52E-07	9.92E-07	1.15E-06	1.74E-06	7.45E-06	2.04E-04	1.32E-04
Avg		9.33E-07	9.52E-07	9.92E-07	1.15E-06	1.74E-06	7.45E-06	2.04E-04	1.32E-04
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-234									
Min		1.35E-05	1.38E-05	1.44E-05	1.76E-05	3.06E-05	1.36E-04	2.68E-03	2.83E-03
Max		1.35E-05	1.38E-05	1.45E-05	1.84E-05	4.43E-05	4.67E-04	1.34E-02	1.05E-01
Avg		1.35E-05	1.38E-05	1.45E-05	1.84E-05	4.40E-05	4.56E-04	1.28E-02	9.34E-02
Std		1.68E-11	2.41E-10	2.66E-09	6.14E-08	1.20E-06	3.83E-05	1.68E-03	2.17E-02
U-235									
Min		1.46E-02	1.48E-02	1.52E-02	1.68E-02	2.20E-02	5.76E-02	4.74E-01	3.65E-01
Max		1.46E-02	1.48E-02	1.52E-02	1.68E-02	2.21E-02	5.79E-02	4.82E-01	3.91E-01
Avg		1.46E-02	1.48E-02	1.52E-02	1.68E-02	2.21E-02	5.79E-02	4.80E-01	3.83E-01
Std		0.00E+00	4.33E-09	2.65E-08	3.16E-07	3.96E-06	8.11E-05	2.37E-03	8.90E-03
U-238									
Min		1.25E-02	1.26E-02	1.28E-02	1.36E-02	1.63E-02	3.06E-02	1.38E-01	1.06E-01
Max		1.25E-02	1.26E-02	1.28E-02	1.36E-02	1.63E-02	3.06E-02	1.38E-01	1.06E-01
Avg		1.25E-02	1.26E-02	1.28E-02	1.36E-02	1.63E-02	3.06E-02	1.38E-01	1.06E-01
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-08	3.02E-06
-ALL									
Min		2.73E-02	2.76E-02	2.82E-02	3.04E-02	3.84E-02	8.86E-02	6.21E-01	4.86E-01
Max		2.73E-02	2.77E-02	2.83E-02	3.07E-02	3.87E-02	8.98E-02	6.39E-01	6.07E-01
Avg		2.73E-02	2.77E-02	2.83E-02	3.06E-02	3.87E-02	8.94E-02	6.34E-01	5.84E-01
Std		4.49E-06	1.27E-05	2.62E-05	5.69E-05	1.07E-04	3.18E-04	3.78E-03	2.45E-02
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Root CSM Sensitivity Analysis

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

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

ONuclide (j)	t=	DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03

Am-241									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-13	2.89E-15
Max		9.79E-05	9.75E-05	9.69E-05	9.47E-05	8.86E-05	8.67E-05	1.01E-04	2.88E-05
Avg		1.52E-05	1.52E-05	1.53E-05	1.55E-05	1.63E-05	1.97E-05	2.50E-05	7.27E-06
Std		1.61E-05	1.61E-05	1.61E-05	1.59E-05	1.58E-05	1.55E-05	1.54E-05	5.11E-06
Np-237									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-10	1.33E-10
Max		2.38E-04	2.38E-04	2.36E-04	2.33E-04	2.22E-04	2.04E-04	2.50E-04	2.25E-04
Avg		3.67E-05	3.63E-05	3.55E-05	3.39E-05	3.24E-05	3.52E-05	4.50E-05	2.59E-05
Std		3.90E-05	3.86E-05	3.81E-05	3.75E-05	3.74E-05	3.97E-05	5.18E-05	4.24E-05
Pu-239									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-08	7.89E-12
Max		9.48E-06	9.49E-06	9.51E-06	9.58E-06	9.79E-06	1.05E-05	1.66E-05	1.62E-05
Avg		1.47E-06	1.48E-06	1.49E-06	1.54E-06	1.70E-06	2.34E-06	4.15E-06	3.65E-06
Std		1.56E-06	1.56E-06	1.57E-06	1.58E-06	1.62E-06	1.77E-06	2.33E-06	2.32E-06
Tc-99									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-08	1.62E-08
Max		1.43E-06	1.43E-06	1.44E-06	1.44E-06	1.46E-06	1.53E-06	2.10E-06	1.36E-06
Avg		2.23E-07	2.24E-07	2.26E-07	2.33E-07	2.56E-07	3.46E-07	5.70E-07	3.70E-07
Std		2.36E-07	2.36E-07	2.37E-07	2.39E-07	2.45E-07	2.63E-07	3.01E-07	1.95E-07
U-234									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	1.08E-03
Max		7.26E-02	7.27E-02	7.28E-02	7.33E-02	7.47E-02	7.95E-02	1.15E-01	8.92E-02
Avg		1.13E-02	1.13E-02	1.14E-02	1.18E-02	1.30E-02	1.80E-02	3.13E-02	2.45E-02
Std		1.19E-02	1.20E-02	1.20E-02	1.21E-02	1.25E-02	1.37E-02	1.65E-02	1.29E-02
U-235									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	2.86E-04
Max		7.61E-03	7.62E-03	7.64E-03	7.71E-03	7.98E-03	9.19E-03	1.46E-02	1.98E-02
Avg		1.18E-03	1.19E-03	1.20E-03	1.25E-03	1.39E-03	2.06E-03	4.30E-03	5.31E-03
Std		1.25E-03	1.25E-03	1.26E-03	1.28E-03	1.34E-03	1.57E-03	2.31E-03	3.24E-03
U-238									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	1.55E-04
Max		1.07E-02	1.07E-02	1.07E-02	1.08E-02	1.10E-02	1.17E-02	1.69E-02	1.31E-02
Avg		1.66E-03	1.67E-03	1.68E-03	1.74E-03	1.92E-03	2.65E-03	4.58E-03	3.54E-03
Std		1.76E-03	1.76E-03	1.77E-03	1.79E-03	1.84E-03	2.01E-03	2.42E-03	1.87E-03
-ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	1.52E-03
Max		9.12E-02	9.13E-02	9.15E-02	9.22E-02	9.40E-02	1.01E-01	1.47E-01	1.19E-01
Avg		1.42E-02	1.42E-02	1.44E-02	1.49E-02	1.64E-02	2.28E-02	4.02E-02	3.33E-02
Std		1.50E-02	1.50E-02	1.51E-02	1.53E-02	1.57E-02	1.73E-02	2.12E-02	1.77E-02
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Root CSM Sensitivity Analysis

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

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

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
DOSE(i,j,t), mrem/yr									
Am-241	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	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
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 - Root CSM Sensitivity Analysis

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

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

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
DOSE(i,j,t), mrem/yr									
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Am-241									
Min		8.87E-05	8.85E-05	8.83E-05	8.41E-05	3.66E-06	6.20E-09	7.85E-11	8.26E-15
Max		2.63E-02	2.63E-02	2.62E-02	2.57E-02	2.44E-02	2.04E-02	1.33E-02	3.25E-03
Avg		2.25E-03	2.25E-03	2.23E-03	2.19E-03	2.09E-03	1.84E-03	1.31E-03	2.98E-04
Std		2.78E-03	2.78E-03	2.77E-03	2.73E-03	2.64E-03	2.38E-03	1.72E-03	4.23E-04
Np-237									
Min		5.99E-03	5.90E-03	5.72E-03	2.46E-03	1.38E-05	3.33E-09	3.26E-09	2.20E-09
Max		1.65E+00	1.64E+00	1.60E+00	1.47E+00	1.17E+00	1.03E+00	8.27E-01	5.92E-01
Avg		1.15E-01	1.13E-01	1.10E-01	1.01E-01	8.80E-02	6.95E-02	5.00E-02	2.18E-02
Std		1.63E-01	1.61E-01	1.57E-01	1.49E-01	1.37E-01	1.16E-01	9.73E-02	5.47E-02
Pu-239									
Min		8.78E-06	8.78E-06	8.78E-06	8.78E-06	8.77E-06	8.76E-06	3.45E-06	2.54E-10
Max		2.63E-03	2.63E-03	2.63E-03	2.63E-03	2.63E-03	2.61E-03	2.52E-03	1.64E-03
Avg		2.21E-04	2.21E-04	2.21E-04	2.21E-04	2.21E-04	2.23E-04	2.23E-04	1.56E-04
Std		2.72E-04	2.72E-04	2.72E-04	2.72E-04	2.73E-04	2.78E-04	2.84E-04	2.16E-04
Tc-99									
Min		1.55E-01	1.55E-01	1.55E-01	1.54E-01	1.52E-01	1.46E-01	1.26E-01	5.57E-02
Max		5.22E+01	5.22E+01	5.21E+01	5.19E+01	5.12E+01	4.91E+01	4.24E+01	1.87E+01
Avg		3.62E+00	3.62E+00	3.62E+00	3.61E+00	3.60E+00	3.54E+00	3.26E+00	1.64E+00
Std		4.78E+00	4.78E+00	4.77E+00	4.77E+00	4.74E+00	4.66E+00	4.32E+00	2.24E+00
U-234									
Min		4.36E-02	4.36E-02	4.36E-02	4.35E-02	4.34E-02	4.42E-02	5.38E-02	6.80E-02
Max		1.44E+01	1.44E+01	1.44E+01	1.43E+01	1.42E+01	1.39E+01	1.41E+01	1.10E+01
Avg		9.22E-01	9.23E-01	9.23E-01	9.24E-01	9.26E-01	9.35E-01	9.35E-01	6.99E-01
Std		1.33E+00	1.33E+00	1.33E+00	1.33E+00	1.34E+00	1.39E+00	1.45E+00	1.02E+00
U-235									
Min		4.67E-03	4.74E-03	4.88E-03	5.39E-03	6.94E-03	1.25E-02	1.91E-02	1.10E-02
Max		1.53E+00	1.53E+00	1.53E+00	1.52E+00	1.52E+00	1.48E+00	1.69E+00	3.33E+00
Avg		9.82E-02	9.87E-02	9.96E-02	1.03E-01	1.12E-01	1.46E-01	2.30E-01	3.29E-01
Std		1.41E-01	1.41E-01	1.41E-01	1.42E-01	1.44E-01	1.62E-01	2.54E-01	4.62E-01
U-238									
Min		6.82E-03	6.82E-03	6.81E-03	6.80E-03	6.75E-03	6.58E-03	5.97E-03	3.16E-03
Max		2.25E+00	2.25E+00	2.25E+00	2.24E+00	2.23E+00	2.17E+00	2.20E+00	1.70E+00
Avg		1.44E-01	1.44E-01	1.44E-01	1.44E-01	1.45E-01	1.46E-01	1.43E-01	8.74E-02
Std		2.07E-01	2.07E-01	2.07E-01	2.08E-01	2.10E-01	2.17E-01	2.26E-01	1.55E-01
-ALL									
Min		3.90E-01	3.92E-01	3.96E-01	4.11E-01	4.51E-01	5.52E-01	5.00E-01	3.16E-01
Max		5.29E+01	5.28E+01	5.28E+01	5.25E+01	5.19E+01	4.97E+01	4.29E+01	1.91E+01
Avg		4.90E+00	4.90E+00	4.90E+00	4.89E+00	4.87E+00	4.84E+00	4.62E+00	2.77E+00
Std		5.13E+00	5.13E+00	5.12E+00	5.12E+00	5.10E+00	5.06E+00	4.83E+00	2.81E+00
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Root CSM Sensitivity Analysis

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

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

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
DOSE(i,j,t), mrem/yr									
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Am-241									
Min		8.67E-08	8.67E-08	1.22E-07	1.21E-07	3.45E-09	1.08E-10	6.64E-12	8.81E-15
Max		5.43E-05	5.43E-05	5.42E-05	5.41E-05	5.38E-05	5.62E-05	6.25E-05	2.03E-05
Avg		1.92E-05	1.92E-05	1.92E-05	1.94E-05	2.02E-05	2.40E-05	3.00E-05	8.77E-06
Std		1.47E-05	1.46E-05	1.46E-05	1.44E-05	1.42E-05	1.33E-05	1.12E-05	4.24E-06
Np-237									
Min		5.23E-05	5.20E-05	5.13E-05	4.92E-05	6.44E-07	2.91E-10	1.51E-09	1.26E-09
Max		4.73E-02	4.67E-02	4.57E-02	4.22E-02	3.35E-02	3.55E-02	4.40E-02	4.28E-02
Avg		2.87E-03	2.83E-03	2.75E-03	2.54E-03	2.26E-03	2.02E-03	2.01E-03	1.10E-03
Std		4.29E-03	4.24E-03	4.15E-03	3.92E-03	3.52E-03	3.04E-03	3.38E-03	2.90E-03
Pu-239									
Min		1.86E-08	1.86E-08	1.85E-08	1.84E-08	1.81E-08	2.19E-08	1.62E-07	1.36E-11
Max		1.38E-05	1.38E-05	1.38E-05	1.40E-05	1.45E-05	1.63E-05	2.00E-05	1.85E-05
Avg		3.72E-06	3.74E-06	3.77E-06	3.89E-06	4.24E-06	5.73E-06	9.96E-06	8.68E-06
Std		2.91E-06	2.91E-06	2.91E-06	2.93E-06	2.96E-06	2.95E-06	2.64E-06	3.09E-06
Tc-99									
Min		8.00E-05	7.99E-05	7.98E-05	7.95E-05	7.85E-05	7.70E-05	7.14E-05	3.29E-05
Max		1.08E-01	1.08E-01	1.08E-01	1.08E-01	1.08E-01	1.07E-01	9.91E-02	4.38E-02
Avg		5.34E-03	5.34E-03	5.33E-03	5.33E-03	5.30E-03	5.21E-03	4.79E-03	2.38E-03
Std		9.90E-03	9.90E-03	9.89E-03	9.87E-03	9.81E-03	9.61E-03	8.76E-03	4.19E-03
U-234									
Min		2.26E-04	2.26E-04	2.27E-04	2.27E-04	2.29E-04	3.55E-04	1.49E-02	1.18E-02
Max		1.10E+00	1.11E+00	1.11E+00	1.13E+00	1.19E+00	1.37E+00	1.69E+00	1.28E+00
Avg		8.11E-02	8.14E-02	8.21E-02	8.46E-02	9.21E-02	1.22E-01	2.01E-01	1.62E-01
Std		1.04E-01	1.04E-01	1.04E-01	1.06E-01	1.11E-01	1.28E-01	1.66E-01	1.25E-01
U-235									
Min		2.41E-05	2.41E-05	2.42E-05	2.45E-05	2.55E-05	3.54E-05	1.63E-03	1.26E-03
Max		1.17E-01	1.18E-01	1.18E-01	1.20E-01	1.26E-01	1.46E-01	1.80E-01	1.35E-01
Avg		8.62E-03	8.65E-03	8.72E-03	8.99E-03	9.79E-03	1.30E-02	2.15E-02	1.68E-02
Std		1.10E-02	1.10E-02	1.11E-02	1.13E-02	1.18E-02	1.36E-02	1.76E-02	1.34E-02
U-238									
Min		3.54E-05	3.54E-05	3.54E-05	3.54E-05	3.55E-05	4.92E-05	2.30E-03	1.77E-03
Max		1.73E-01	1.73E-01	1.74E-01	1.77E-01	1.86E-01	2.15E-01	2.65E-01	1.99E-01
Avg		1.27E-02	1.27E-02	1.28E-02	1.32E-02	1.44E-02	1.90E-02	3.13E-02	2.38E-02
Std		1.62E-02	1.62E-02	1.63E-02	1.66E-02	1.73E-02	2.00E-02	2.60E-02	1.97E-02
-ALL									
Min		1.31E-03	1.31E-03	1.31E-03	1.30E-03	1.54E-03	1.11E-03	2.65E-02	1.76E-02
Max		1.40E+00	1.40E+00	1.41E+00	1.43E+00	1.50E+00	1.73E+00	2.14E+00	1.61E+00
Avg		1.11E-01	1.11E-01	1.12E-01	1.15E-01	1.24E-01	1.61E-01	2.60E-01	2.06E-01
Std		1.32E-01	1.32E-01	1.33E-01	1.35E-01	1.41E-01	1.62E-01	2.09E-01	1.58E-01
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Root CSM Sensitivity Analysis

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

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

ONuclide (j)	t=	DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03

Am-241									
Min		1.20E-08	1.20E-08	1.20E-08	6.40E-09	1.40E-10	1.78E-12	1.74E-13	2.74E-14
Max		3.80E-05	3.80E-05	3.80E-05	3.80E-05	3.78E-05	3.70E-05	3.06E-05	9.89E-06
Avg		3.33E-06	3.33E-06	3.34E-06	3.37E-06	3.50E-06	4.11E-06	5.21E-06	1.51E-06
Std		4.11E-06	4.11E-06	4.10E-06	4.08E-06	4.08E-06	4.20E-06	4.43E-06	1.39E-06
Np-237									
Min		1.85E-06	1.85E-06	1.84E-06	7.28E-07	8.63E-09	1.38E-10	1.77E-09	1.36E-09
Max		7.28E-04	7.27E-04	7.25E-04	7.18E-04	6.99E-04	6.65E-04	6.28E-04	4.61E-04
Avg		8.41E-05	8.27E-05	8.04E-05	7.50E-05	6.90E-05	6.64E-05	7.01E-05	3.69E-05
Std		9.45E-05	9.32E-05	9.15E-05	8.99E-05	9.11E-05	9.58E-05	1.06E-04	7.12E-05
Pu-239									
Min		4.92E-10	4.91E-10	4.90E-10	4.87E-10	4.78E-10	5.16E-10	6.14E-09	1.26E-12
Max		6.18E-07	6.20E-07	6.22E-07	6.30E-07	6.54E-07	7.37E-07	1.28E-06	1.17E-06
Avg		1.42E-07	1.42E-07	1.44E-07	1.48E-07	1.62E-07	2.19E-07	3.87E-07	3.38E-07
Std		1.30E-07	1.31E-07	1.31E-07	1.33E-07	1.38E-07	1.53E-07	2.06E-07	2.03E-07
Tc-99									
Min		1.77E-03	1.77E-03	1.77E-03	1.77E-03	1.76E-03	1.72E-03	1.56E-03	7.52E-04
Max		2.68E+00	2.68E+00	2.68E+00	2.68E+00	2.68E+00	2.66E+00	2.53E+00	1.17E+00
Avg		1.41E-01	1.41E-01	1.41E-01	1.41E-01	1.40E-01	1.38E-01	1.28E-01	6.35E-02
Std		2.31E-01	2.31E-01	2.31E-01	2.30E-01	2.29E-01	2.26E-01	2.11E-01	1.02E-01
U-234									
Min		6.44E-04	6.44E-04	6.43E-04	6.43E-04	7.43E-04	7.83E-04	5.05E-02	4.78E-02
Max		6.05E-01	6.05E-01	6.07E-01	6.11E-01	6.40E-01	7.78E-01	1.63E+00	1.27E+00
Avg		1.27E-01	1.28E-01	1.29E-01	1.33E-01	1.46E-01	1.97E-01	3.32E-01	2.71E-01
Std		1.21E-01	1.22E-01	1.22E-01	1.24E-01	1.30E-01	1.51E-01	2.14E-01	1.65E-01
U-235									
Min		6.85E-05	6.88E-05	6.93E-05	7.11E-05	7.86E-05	7.70E-05	5.03E-03	3.83E-03
Max		6.42E-02	6.43E-02	6.44E-02	6.49E-02	6.80E-02	8.27E-02	1.73E-01	1.32E-01
Avg		1.35E-02	1.36E-02	1.37E-02	1.42E-02	1.55E-02	2.10E-02	3.52E-02	2.72E-02
Std		1.29E-02	1.29E-02	1.30E-02	1.32E-02	1.38E-02	1.61E-02	2.27E-02	1.73E-02
U-238									
Min		1.01E-04	1.01E-04	1.01E-04	1.00E-04	1.15E-04	1.12E-04	7.33E-03	5.56E-03
Max		9.45E-02	9.46E-02	9.48E-02	9.55E-02	1.00E-01	1.22E-01	2.54E-01	1.95E-01
Avg		1.99E-02	2.00E-02	2.02E-02	2.08E-02	2.28E-02	3.09E-02	5.16E-02	3.95E-02
Std		1.90E-02	1.90E-02	1.91E-02	1.94E-02	2.03E-02	2.37E-02	3.35E-02	2.56E-02
-ALL									
Min		1.01E-02	1.01E-02	1.01E-02	1.01E-02	9.95E-03	2.88E-02	8.89E-02	6.85E-02
Max		2.69E+00	2.69E+00	2.69E+00	2.69E+00	2.69E+00	2.67E+00	2.74E+00	1.73E+00
Avg		3.02E-01	3.03E-01	3.04E-01	3.09E-01	3.25E-01	3.88E-01	5.47E-01	4.01E-01
Std		2.78E-01	2.78E-01	2.78E-01	2.79E-01	2.83E-01	2.98E-01	3.43E-01	2.33E-01
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Root CSM Sensitivity Analysis

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

0 Probabilistic Dose vs Pathway(i): Soil Ingestion

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
=====									
Am-241	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-12	1.03E-14
	Max	3.86E-04	3.85E-04	3.83E-04	3.77E-04	3.76E-04	3.69E-04	3.19E-04	1.04E-04
	Avg	1.69E-04	1.69E-04	1.69E-04	1.71E-04	1.80E-04	2.17E-04	2.76E-04	8.03E-05
	Std	1.31E-04	1.31E-04	1.30E-04	1.28E-04	1.25E-04	1.13E-04	8.36E-05	3.45E-05
Np-237	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	1.82E-09
	Max	9.44E-04	9.41E-04	9.37E-04	9.23E-04	9.42E-04	1.04E-03	1.26E-03	1.25E-03
	Avg	4.08E-04	4.03E-04	3.95E-04	3.74E-04	3.55E-04	3.84E-04	5.04E-04	2.92E-04
	Std	3.18E-04	3.14E-04	3.08E-04	3.00E-04	3.00E-04	3.28E-04	4.69E-04	4.03E-04
Pu-239	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-07	7.47E-11
	Max	3.77E-05	3.77E-05	3.78E-05	3.81E-05	3.89E-05	4.19E-05	4.98E-05	4.88E-05
	Avg	1.64E-05	1.65E-05	1.67E-05	1.72E-05	1.89E-05	2.60E-05	4.60E-05	4.03E-05
	Std	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.29E-05	1.23E-05	7.41E-06	1.18E-05
Tc-99	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	8.70E-05
	Max	1.21E-04	1.21E-04	1.21E-04	1.22E-04	1.24E-04	1.29E-04	1.34E-04	8.70E-05
	Avg	5.28E-05	5.31E-05	5.36E-05	5.53E-05	6.05E-05	8.16E-05	1.34E-04	8.70E-05
	Std	4.11E-05	4.11E-05	4.11E-05	4.12E-05	4.12E-05	3.81E-05	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	8.94E-02	6.87E-02
	Max	7.50E-02	7.50E-02	7.52E-02	7.57E-02	7.71E-02	8.20E-02	9.03E-02	7.44E-02
	Avg	3.27E-02	3.28E-02	3.32E-02	3.43E-02	3.78E-02	5.18E-02	9.02E-02	7.38E-02
	Std	2.54E-02	2.54E-02	2.55E-02	2.56E-02	2.57E-02	2.42E-02	1.46E-04	1.25E-03
U-235	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-03	7.38E-03
	Max	7.97E-03	7.98E-03	8.01E-03	8.12E-03	8.51E-03	1.02E-02	1.52E-02	2.47E-02
	Avg	3.47E-03	3.49E-03	3.53E-03	3.68E-03	4.16E-03	6.32E-03	1.41E-02	1.95E-02
	Std	2.70E-03	2.71E-03	2.72E-03	2.74E-03	2.83E-03	2.97E-03	1.58E-03	5.87E-03
U-238	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-02	1.08E-02
	Max	1.17E-02	1.17E-02	1.18E-02	1.18E-02	1.21E-02	1.28E-02	1.40E-02	1.08E-02
	Avg	5.11E-03	5.14E-03	5.19E-03	5.36E-03	5.90E-03	8.09E-03	1.40E-02	1.08E-02
	Std	3.98E-03	3.98E-03	3.98E-03	4.00E-03	4.02E-03	3.78E-03	7.32E-09	1.89E-07
-ALL	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-01	8.81E-02
	Max	9.61E-02	9.62E-02	9.64E-02	9.71E-02	9.91E-02	1.06E-01	1.21E-01	1.11E-01
	Avg	4.19E-02	4.21E-02	4.25E-02	4.40E-02	4.84E-02	6.69E-02	1.19E-01	1.05E-01
	Std	3.26E-02	3.26E-02	3.27E-02	3.28E-02	3.30E-02	3.13E-02	1.70E-03	6.17E-03
=====									

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Root CSM Sensitivity Analysis

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

0 Probabilistic Dose vs Pathway(i): Water Ingestion

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
DOSE(i,j,t), mrem/yr									
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Am-241									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	3.24E-03	1.70E-02	1.56E-02
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-06	1.26E-05	9.37E-05	9.33E-05
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	1.87E-04	1.05E-03	9.31E-04
Np-237									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E+00	1.15E+01	4.84E+00	1.77E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-02	1.30E-01	1.14E-01	7.77E-02
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-01	8.17E-01	4.34E-01	1.90E-01
Pu-239									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-15	3.92E-13	2.43E-11	1.57E-03
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-18	2.71E-15	2.34E-13	5.34E-06
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-17	2.52E-14	1.69E-12	9.04E-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	2.66E-03	5.34E-02	1.91E-01	3.59E-01
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-06	1.78E-04	6.38E-04	1.52E-03
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	3.08E-03	1.10E-02	2.10E-02
U-235									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-04	4.07E-02	7.36E-01	2.71E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-06	3.40E-04	5.81E-03	8.18E-02
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05	3.12E-03	4.76E-02	3.60E-01
U-238									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-08	9.19E-07	1.41E-05	1.16E-04
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-11	3.06E-09	4.69E-08	4.29E-07
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	5.30E-08	8.11E-07	6.69E-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	4.26E+00	1.15E+01	4.86E+00	2.71E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-02	1.31E-01	1.20E-01	1.61E-01
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-01	8.17E-01	4.40E-01	4.10E-01
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Root CSM Sensitivity Analysis

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

0 Probabilistic Dose vs Pathway(i): Fish Ingestion

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
DOSE(i,j,t), mrem/yr									
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Am-241									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	6.77E-03	1.35E-02	1.24E-02
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-06	2.40E-05	1.06E-04	9.86E-05
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	3.90E-04	1.09E-03	8.61E-04
Np-237									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E+00	6.39E+00	7.87E+00	3.68E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-02	7.04E-02	8.80E-02	7.01E-02
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-01	4.55E-01	5.12E-01	2.79E-01
Pu-239									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-17	4.96E-14	8.15E-12	1.02E-03
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-19	7.18E-16	9.00E-14	3.59E-06
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-18	5.16E-15	6.08E-13	5.90E-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	3.03E-03	6.11E-02	2.19E-01	4.14E-01
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	2.04E-04	7.31E-04	1.96E-03
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.52E-03	1.26E-02	2.48E-02
U-235									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05	1.10E-02	2.48E-01	1.05E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-07	9.41E-05	2.10E-03	2.63E-02
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-06	7.85E-04	1.65E-02	1.19E-01
U-238									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-08	1.06E-06	1.61E-05	1.33E-04
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-11	3.54E-09	5.37E-08	5.26E-07
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	6.12E-08	9.29E-07	7.72E-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	5.08E+00	6.39E+00	7.87E+00	3.72E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-02	7.07E-02	9.09E-02	9.85E-02
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-01	4.55E-01	5.13E-01	3.06E-01
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Root CSM Sensitivity Analysis

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

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

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
DOSE(i,j,t), mrem/yr									
Am-241	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	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
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 - Root CSM Sensitivity Analysis

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

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

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
DOSE(i,j,t), mrem/yr									
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Am-241									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.74E-05	1.53E-03	1.40E-03
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-08	3.67E-07	6.75E-06	6.73E-06
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	5.06E-06	8.89E-05	8.15E-05
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	2.08E-01	7.54E-01	5.75E-01	1.74E-01
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	6.30E-03	6.72E-03	4.06E-03
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-02	4.80E-02	3.68E-02	1.33E-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	9.81E-17	3.59E-14	1.52E-12	5.28E-05
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-19	1.96E-16	1.53E-14	1.81E-07
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-18	2.18E-15	1.17E-13	3.04E-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	1.76E-04	3.54E-03	1.27E-02	2.38E-02
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-07	1.18E-05	4.23E-05	9.42E-05
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	2.04E-04	7.31E-04	1.38E-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	7.04E-05	3.73E-03	4.62E-02	1.60E-01
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	2.47E-05	4.05E-04	4.23E-03
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-06	2.52E-04	3.28E-03	1.76E-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	1.43E-09	6.11E-08	9.32E-07	7.66E-06
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-12	2.04E-10	3.11E-09	2.76E-08
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-11	3.52E-09	5.37E-08	4.42E-07
-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	2.08E-01	7.54E-01	5.77E-01	2.24E-01
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	6.34E-03	7.17E-03	8.40E-03
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-02	4.80E-02	3.73E-02	2.37E-02
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Root CSM Sensitivity Analysis

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

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

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
DOSE(i,j,t), mrem/yr									
Am-241	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-07	1.32E-06	7.33E-06	6.74E-06
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	1.02E-08	6.90E-08	1.08E-07
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-08	8.20E-08	4.56E-07	4.23E-07
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	1.96E-02	3.54E-02	1.51E-01	1.47E-02
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	6.22E-04	1.49E-03	6.61E-04
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	3.41E-03	9.70E-03	1.68E-03
Pu-239	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-20	5.96E-17	9.60E-15	1.43E-06
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-22	3.09E-19	4.32E-17	4.86E-09
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-21	3.56E-18	5.57E-16	8.27E-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	1.49E-06	3.04E-05	1.11E-04	2.30E-04
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	1.01E-07	3.72E-07	1.22E-06
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-08	1.75E-06	6.42E-06	1.42E-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	2.01E-08	1.31E-05	2.91E-04	1.01E-03
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-11	5.66E-08	1.25E-06	8.23E-06
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	7.65E-07	1.69E-05	6.28E-05
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	1.40E-11	5.44E-10	8.11E-09	7.00E-08
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-14	1.81E-12	2.70E-11	3.04E-10
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-13	3.13E-11	4.67E-10	4.11E-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	1.96E-02	3.54E-02	1.51E-01	1.47E-02
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	6.22E-04	1.49E-03	6.71E-04
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	3.41E-03	9.70E-03	1.68E-03

=====
 -ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Root CSM Sensitivity Analysis

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

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

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
DOSE(i,j,t), mrem/yr									
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Am-241									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-08	3.74E-07	2.77E-06	2.54E-06
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-10	1.82E-09	1.57E-08	1.87E-08
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-09	2.17E-08	1.65E-07	1.50E-07
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	1.04E-03	7.19E-03	7.49E-03	2.44E-03
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-06	8.35E-05	8.63E-05	6.81E-05
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	5.83E-04	4.67E-04	2.20E-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	2.04E-19	7.34E-17	6.16E-15	1.50E-07
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-22	5.75E-19	5.23E-17	5.08E-10
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-20	5.02E-18	3.98E-16	8.64E-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	2.89E-07	6.08E-06	2.74E-05	1.01E-04
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-10	2.03E-08	9.18E-08	7.66E-07
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-08	3.50E-07	1.58E-06	7.10E-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	1.47E-07	8.56E-06	1.87E-04	1.16E-03
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-10	7.61E-08	1.35E-06	2.51E-05
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-09	6.82E-07	1.16E-05	1.19E-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	1.39E-11	1.37E-10	1.81E-09	2.27E-08
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-14	4.56E-13	6.05E-12	1.55E-10
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-13	7.89E-12	1.04E-10	1.50E-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	1.04E-03	7.19E-03	7.50E-03	3.50E-03
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-06	8.36E-05	8.77E-05	9.40E-05
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	5.83E-04	4.68E-04	2.78E-04
=====		=====	=====	=====	=====	=====	=====	=====	=====

-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	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.10E+00	1.21E+00	2.17E+00	1.75E+00	
0.050	1.25E+00	1.26E+00	1.26E+00	1.27E+00	1.31E+00	1.49E+00	2.33E+00	1.87E+00	
0.075	1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.54E+00	1.69E+00	2.52E+00	1.95E+00	
0.100	1.65E+00	1.66E+00	1.65E+00	1.66E+00	1.71E+00	1.90E+00	2.69E+00	2.01E+00	
0.125	1.76E+00	1.76E+00	1.76E+00	1.76E+00	1.81E+00	1.98E+00	2.84E+00	2.12E+00	
0.150	1.86E+00	1.86E+00	1.86E+00	1.87E+00	1.89E+00	2.10E+00	2.89E+00	2.19E+00	
0.175	1.94E+00	1.94E+00	1.94E+00	1.94E+00	2.01E+00	2.18E+00	3.01E+00	2.27E+00	
0.200	2.06E+00	2.06E+00	2.05E+00	2.05E+00	2.12E+00	2.30E+00	3.12E+00	2.30E+00	
0.225	2.14E+00	2.14E+00	2.14E+00	2.15E+00	2.20E+00	2.40E+00	3.24E+00	2.38E+00	
0.250	2.34E+00	2.34E+00	2.34E+00	2.33E+00	2.38E+00	2.56E+00	3.36E+00	2.47E+00	
0.275	2.43E+00	2.43E+00	2.43E+00	2.44E+00	2.51E+00	2.67E+00	3.43E+00	2.61E+00	
0.300	2.57E+00	2.57E+00	2.57E+00	2.58E+00	2.62E+00	2.82E+00	3.60E+00	2.67E+00	
0.325	2.73E+00	2.74E+00	2.74E+00	2.75E+00	2.78E+00	2.93E+00	3.72E+00	2.71E+00	
0.350	2.91E+00	2.91E+00	2.92E+00	2.93E+00	2.96E+00	3.10E+00	3.87E+00	2.85E+00	
0.375	3.04E+00	3.04E+00	3.04E+00	3.04E+00	3.09E+00	3.31E+00	4.00E+00	2.97E+00	
0.400	3.19E+00	3.20E+00	3.20E+00	3.18E+00	3.25E+00	3.46E+00	4.19E+00	3.11E+00	
0.425	3.35E+00	3.34E+00	3.34E+00	3.35E+00	3.41E+00	3.61E+00	4.40E+00	3.19E+00	
0.450	3.53E+00	3.54E+00	3.54E+00	3.53E+00	3.61E+00	3.83E+00	4.56E+00	3.25E+00	
0.475	3.64E+00	3.64E+00	3.65E+00	3.65E+00	3.76E+00	3.99E+00	4.68E+00	3.35E+00	
0.500	3.85E+00	3.85E+00	3.85E+00	3.84E+00	3.91E+00	4.15E+00	4.91E+00	3.52E+00	
0.525	4.07E+00	4.07E+00	4.08E+00	4.08E+00	4.09E+00	4.39E+00	5.06E+00	3.65E+00	
0.550	4.21E+00	4.21E+00	4.21E+00	4.22E+00	4.43E+00	4.58E+00	5.39E+00	3.72E+00	
0.575	4.58E+00	4.58E+00	4.58E+00	4.57E+00	4.65E+00	4.77E+00	5.59E+00	3.88E+00	
0.600	4.86E+00	4.86E+00	4.83E+00	4.78E+00	4.96E+00	5.06E+00	5.83E+00	4.07E+00	
0.625	5.08E+00	5.08E+00	5.08E+00	5.08E+00	5.18E+00	5.45E+00	6.03E+00	4.22E+00	
0.650	5.52E+00	5.52E+00	5.52E+00	5.51E+00	5.57E+00	5.67E+00	6.31E+00	4.38E+00	
0.675	5.75E+00	5.75E+00	5.75E+00	5.76E+00	5.81E+00	5.94E+00	6.56E+00	4.51E+00	
0.700	6.00E+00	5.99E+00	5.99E+00	5.98E+00	6.24E+00	6.35E+00	7.12E+00	4.70E+00	
0.725	6.27E+00	6.27E+00	6.27E+00	6.32E+00	6.46E+00	6.64E+00	7.38E+00	4.88E+00	
0.750	6.68E+00	6.67E+00	6.67E+00	6.65E+00	6.72E+00	6.92E+00	7.83E+00	5.07E+00	
0.775	6.92E+00	6.92E+00	6.92E+00	6.90E+00	6.92E+00	7.14E+00	7.93E+00	5.18E+00	
0.800	7.34E+00	7.35E+00	7.33E+00	7.31E+00	7.35E+00	7.58E+00	8.22E+00	5.43E+00	
0.825	7.76E+00	7.76E+00	7.76E+00	7.75E+00	7.91E+00	8.16E+00	8.77E+00	5.68E+00	
0.850	8.42E+00	8.34E+00	8.22E+00	8.14E+00	8.37E+00	8.80E+00	9.51E+00	6.16E+00	
0.875	9.12E+00	9.12E+00	9.11E+00	9.09E+00	9.03E+00	9.68E+00	1.05E+01	6.74E+00	
0.900	9.87E+00	9.86E+00	9.85E+00	9.84E+00	1.01E+01	1.09E+01	1.15E+01	7.40E+00	
0.925	1.16E+01	1.16E+01	1.16E+01	1.16E+01	1.14E+01	1.20E+01	1.23E+01	8.60E+00	
0.950	1.47E+01	1.47E+01	1.47E+01	1.46E+01	1.46E+01	1.68E+01	1.71E+01	1.02E+01	
0.975	2.12E+01	2.12E+01	2.13E+01	2.15E+01	2.19E+01	2.29E+01	2.31E+01	1.36E+01	
1.000	5.42E+01	5.42E+01	5.41E+01	5.39E+01	5.33E+01	5.12E+01	4.52E+01	2.17E+01	

Probabilistic results summary : Hematite - Root CSM Sensitivity Analysis
 File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - ROOT CSM SA.RAD

Summary of dose at graphical times, reptition 1

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	9.17E-01	2.60E+01	5.29E+00	3.82E+00	9.84E+00	1.40E+01	1.95E+01	2.59E+01
1.00E+00	9.16E-01	2.60E+01	5.29E+00	3.82E+00	9.83E+00	1.40E+01	1.95E+01	2.59E+01
3.00E+00	9.14E-01	2.59E+01	5.29E+00	3.82E+00	9.83E+00	1.40E+01	1.96E+01	2.59E+01
8.26E+00	9.08E-01	2.59E+01	5.29E+00	3.81E+00	9.82E+00	1.39E+01	1.97E+01	2.58E+01
1.00E+01	9.06E-01	2.58E+01	5.30E+00	3.81E+00	9.82E+00	1.39E+01	1.98E+01	2.58E+01
1.65E+01	9.00E-01	2.58E+01	5.30E+00	3.82E+00	9.82E+00	1.39E+01	2.00E+01	2.57E+01
2.48E+01	8.93E-01	2.57E+01	5.31E+00	3.83E+00	9.83E+00	1.39E+01	2.02E+01	2.56E+01
3.00E+01	8.89E-01	2.56E+01	5.32E+00	3.87E+00	9.84E+00	1.39E+01	2.03E+01	2.55E+01
3.31E+01	8.87E-01	2.55E+01	5.33E+00	3.89E+00	9.84E+00	1.39E+01	2.04E+01	2.55E+01
4.13E+01	8.81E-01	2.54E+01	5.36E+00	3.95E+00	9.85E+00	1.39E+01	2.07E+01	2.54E+01
4.96E+01	8.77E-01	2.53E+01	5.40E+00	4.01E+00	1.00E+01	1.39E+01	2.09E+01	2.53E+01
5.79E+01	8.73E-01	2.52E+01	5.43E+00	4.07E+00	1.00E+01	1.40E+01	2.11E+01	2.52E+01
6.61E+01	8.70E-01	2.51E+01	5.47E+00	4.09E+00	1.00E+01	1.40E+01	2.13E+01	2.51E+01
7.44E+01	8.69E-01	2.50E+01	5.51E+00	4.09E+00	1.02E+01	1.40E+01	2.16E+01	2.50E+01
8.26E+01	8.68E-01	2.49E+01	5.62E+00	4.09E+00	1.07E+01	1.44E+01	2.18E+01	2.49E+01
9.09E+01	9.05E-01	2.48E+01	5.70E+00	4.09E+00	1.08E+01	1.44E+01	2.28E+01	2.48E+01
9.92E+01	9.65E-01	2.62E+01	5.79E+00	4.13E+00	1.08E+01	1.44E+01	2.38E+01	2.62E+01
1.00E+02	9.71E-01	2.63E+01	5.80E+00	4.13E+00	1.08E+01	1.44E+01	2.38E+01	2.63E+01
1.07E+02	1.03E+00	2.47E+01	5.76E+00	4.14E+00	1.09E+01	1.44E+01	2.25E+01	2.46E+01
1.16E+02	1.09E+00	2.46E+01	5.75E+00	4.16E+00	1.09E+01	1.44E+01	2.27E+01	2.46E+01
1.24E+02	1.15E+00	2.45E+01	5.75E+00	4.18E+00	1.10E+01	1.42E+01	2.29E+01	2.45E+01
1.32E+02	1.22E+00	2.44E+01	5.77E+00	4.19E+00	1.08E+01	1.43E+01	2.32E+01	2.44E+01
1.40E+02	1.25E+00	2.43E+01	5.80E+00	4.21E+00	1.10E+01	1.43E+01	2.34E+01	2.43E+01
1.49E+02	1.27E+00	2.42E+01	5.81E+00	4.22E+00	1.10E+01	1.44E+01	2.36E+01	2.42E+01
1.57E+02	1.30E+00	2.41E+01	5.83E+00	4.24E+00	1.10E+01	1.44E+01	2.38E+01	2.41E+01
1.65E+02	1.32E+00	2.42E+01	5.86E+00	4.36E+00	1.10E+01	1.43E+01	2.40E+01	2.42E+01
1.74E+02	1.35E+00	2.45E+01	5.89E+00	4.47E+00	1.08E+01	1.43E+01	2.40E+01	2.45E+01
1.82E+02	1.38E+00	2.48E+01	5.93E+00	4.39E+00	1.08E+01	1.42E+01	2.40E+01	2.48E+01
1.90E+02	1.41E+00	2.51E+01	5.98E+00	4.37E+00	1.08E+01	1.42E+01	2.40E+01	2.51E+01
1.98E+02	1.45E+00	2.54E+01	6.02E+00	4.43E+00	1.09E+01	1.42E+01	2.41E+01	2.54E+01
2.07E+02	1.49E+00	2.57E+01	6.08E+00	4.51E+00	1.09E+01	1.42E+01	2.41E+01	2.57E+01
2.15E+02	1.54E+00	2.61E+01	6.13E+00	4.59E+00	1.10E+01	1.42E+01	2.41E+01	2.60E+01
2.23E+02	1.59E+00	2.64E+01	6.20E+00	4.68E+00	1.10E+01	1.42E+01	2.42E+01	2.64E+01
2.31E+02	1.64E+00	2.67E+01	6.27E+00	4.78E+00	1.10E+01	1.42E+01	2.42E+01	2.67E+01
2.40E+02	1.71E+00	2.70E+01	6.35E+00	4.88E+00	1.11E+01	1.42E+01	2.43E+01	2.70E+01
2.48E+02	1.80E+00	2.74E+01	6.45E+00	5.01E+00	1.12E+01	1.42E+01	2.44E+01	2.74E+01
2.56E+02	1.82E+00	2.74E+01	6.45E+00	5.03E+00	1.11E+01	1.41E+01	2.42E+01	2.74E+01
2.64E+02	1.81E+00	2.73E+01	6.41E+00	5.01E+00	1.10E+01	1.40E+01	2.41E+01	2.73E+01
2.73E+02	1.81E+00	2.72E+01	6.39E+00	4.99E+00	1.10E+01	1.39E+01	2.39E+01	2.72E+01
2.81E+02	1.80E+00	2.71E+01	6.45E+00	4.98E+00	1.14E+01	1.47E+01	2.38E+01	2.71E+01
2.89E+02	1.80E+00	2.70E+01	6.42E+00	4.96E+00	1.13E+01	1.46E+01	2.36E+01	2.70E+01
2.98E+02	1.79E+00	2.69E+01	6.37E+00	4.94E+00	1.13E+01	1.45E+01	2.35E+01	2.69E+01
3.00E+02	1.79E+00	2.69E+01	6.36E+00	4.94E+00	1.13E+01	1.45E+01	2.34E+01	2.68E+01
3.06E+02	1.78E+00	2.68E+01	6.33E+00	4.92E+00	1.13E+01	1.44E+01	2.33E+01	2.68E+01
3.14E+02	1.78E+00	2.67E+01	6.28E+00	4.91E+00	1.12E+01	1.41E+01	2.32E+01	2.67E+01
3.22E+02	1.77E+00	2.66E+01	6.24E+00	4.89E+00	1.12E+01	1.32E+01	2.31E+01	2.66E+01
3.31E+02	1.77E+00	2.65E+01	6.21E+00	4.88E+00	1.11E+01	1.31E+01	2.29E+01	2.65E+01
3.39E+02	1.76E+00	2.64E+01	6.17E+00	4.86E+00	1.11E+01	1.30E+01	2.28E+01	2.64E+01
3.47E+02	1.76E+00	2.63E+01	6.14E+00	4.84E+00	1.10E+01	1.29E+01	2.26E+01	2.63E+01
3.55E+02	1.75E+00	2.62E+01	6.11E+00	4.82E+00	1.05E+01	1.28E+01	2.25E+01	2.62E+01
3.64E+02	1.75E+00	2.62E+01	6.08E+00	4.80E+00	1.05E+01	1.26E+01	2.23E+01	2.61E+01
3.72E+02	1.74E+00	2.61E+01	6.05E+00	4.78E+00	1.05E+01	1.25E+01	2.22E+01	2.60E+01
3.80E+02	1.74E+00	2.60E+01	6.02E+00	4.76E+00	1.04E+01	1.24E+01	2.21E+01	2.60E+01
3.88E+02	1.74E+00	2.59E+01	5.99E+00	4.74E+00	1.04E+01	1.23E+01	2.19E+01	2.59E+01
3.97E+02	1.73E+00	2.58E+01	5.96E+00	4.72E+00	1.04E+01	1.22E+01	2.18E+01	2.58E+01
4.05E+02	1.73E+00	2.57E+01	5.93E+00	4.72E+00	1.04E+01	1.21E+01	2.16E+01	2.57E+01
4.13E+02	1.72E+00	2.56E+01	5.91E+00	4.74E+00	1.03E+01	1.20E+01	2.15E+01	2.56E+01
4.21E+02	1.72E+00	2.55E+01	5.88E+00	4.74E+00	1.03E+01	1.19E+01	2.14E+01	2.55E+01
4.30E+02	1.71E+00	2.54E+01	5.85E+00	4.73E+00	1.03E+01	1.18E+01	2.12E+01	2.54E+01
4.38E+02	1.71E+00	2.54E+01	5.83E+00	4.73E+00	1.02E+01	1.17E+01	2.11E+01	2.53E+01
4.46E+02	1.70E+00	2.53E+01	5.80E+00	4.73E+00	1.02E+01	1.16E+01	2.10E+01	2.52E+01
4.55E+02	1.70E+00	2.52E+01	5.77E+00	4.73E+00	1.02E+01	1.16E+01	2.08E+01	2.52E+01
4.63E+02	1.70E+00	2.51E+01	5.76E+00	4.73E+00	1.01E+01	1.15E+01	2.07E+01	2.51E+01
4.71E+02	1.69E+00	2.50E+01	5.76E+00	4.87E+00	1.00E+01	1.15E+01	2.06E+01	2.50E+01
4.79E+02	1.69E+00	2.49E+01	5.75E+00	4.86E+00	9.99E+00	1.15E+01	2.05E+01	2.49E+01
4.88E+02	1.68E+00	2.48E+01	5.73E+00	4.89E+00	9.93E+00	1.14E+01	2.03E+01	2.48E+01
4.96E+02	1.68E+00	2.47E+01	5.73E+00	4.88E+00	9.88E+00	1.14E+01	2.02E+01	2.47E+01
5.04E+02	1.67E+00	2.47E+01	5.71E+00	4.86E+00	9.83E+00	1.14E+01	2.01E+01	2.46E+01
5.12E+02	1.67E+00	2.46E+01	5.70E+00	4.85E+00	9.78E+00	1.13E+01	2.00E+01	2.46E+01
5.21E+02	1.67E+00	2.45E+01	5.68E+00	4.83E+00	9.80E+00	1.12E+01	1.98E+01	2.45E+01
5.29E+02	1.66E+00	2.44E+01	5.67E+00	4.81E+00	9.90E+00	1.12E+01	1.97E+01	2.44E+01
5.37E+02	1.66E+00	2.43E+01	5.65E+00	4.79E+00	9.83E+00	1.13E+01	1.96E+01	2.43E+01
5.45E+02	1.66E+00	2.42E+01	5.63E+00	4.76E+00	9.72E+00	1.11E+01	1.95E+01	2.42E+01
5.54E+02	1.65E+00	2.42E+01	5.59E+00	4.74E+00	9.61E+00	1.10E+01	1.93E+01	2.41E+01
5.62E+02	1.65E+00	2.41E+01	5.55E+00	4.71E+00	9.49E+00	1.09E+01	1.92E+01	2.41E+01
5.70E+02	1.64E+00	2.40E+01	5.52E+00	4.69E+00	9.43E+00	1.08E+01	1.91E+01	2.40E+01
5.79E+02	1.64E+00	2.39E+01	5.49E+00	4.67E+00	9.37E+00	1.08E+01	1.90E+01	2.39E+01
5.87E+02	1.64E+00	2.38E+01	5.46E+00	4.67E+00	9.32E+00	1.07E+01	1.89E+01	2.38E+01
5.95E+02	1.63E+00	2.38E+01	5.43E+00	4.67E+00	9.27E+00	1.07E+01	1.88E+01	2.37E+01
6.03E+02	1.63E+00	2.37E+01	5.40E+00	4.66E+00	9.22E+00	1.06E+01	1.86E+01	2.36E+01
6.12E+02	1.63E+00	2.36E+01	5.37E+00	4.66E+00	9.17E+00	1.05E+01	1.85E+01	2.36E+01
6.20E+02	1.62E+00	2.35E+01	5.34E+00	4.65E+00	9.12E+00	1.05E+01	1.84E+01	2.35E+01
6.28E+02	1.62E+00	2.34E+01	5.31E+00	4.62E+00	9.07E+00	1.04E+01	1.83E+01	2.34E+01
6.36E+02	1.62E+00	2.34E+01	5.29E+00	4.60E+00	9.03E+00	1.03E+01	1.82E+01	2.33E+01
6.45E+02	1.61E+00	2.33E+01	5.23E+00	4.47E+00	8.98E+00	1.03E+01	1.81E+01	2.33E+01
6.53E+02	1.61E+00	2.32E+01	5.19E+00	4.44E+00	8.93E+00	1.02E+01	1.80E+01	2.32E+01
6.61E+02	1.61E+00	2.31E+01	5.16E+00	4.42E+00	8.89E+00	1.02E+01	1.78E+01	2.31E+01
6.69E+02	1.60E+00	2.30E+01	5.13E+00	4.40E+00	8.84E+00	1.01E+01	1.77E+01	2.30E+01
6.78E+02	1.60E+00	2.30E+01	5.11E+00	4.38E+00	8.80E+00	1.01E+01	1.76E+01	2.29E+01
6.86E+02	1.60E+00	2.29E+01	5.09E+00	4.37E+00	8.76E+00	1.01E+01	1.75E+01	2.29E+01
6.94E+02	1.59E+00	2.28E+01	5.06E+00	4.34E+00	8.71E+00	1.01E+01	1.74E+01	2.28E+01
7.02E+02	1.59E+00	2.27E+01	5.04E+00	4.31E+00	8.67E+00	1.00E+01	1.73E+01	2.27E+01
7.11E+02	1.59E+00	2.27E+01	5.01E+00	4.27E+00	8.63E+00	1.00E+01	1.72E+01	2.26E+01
7.19E+02	1.59E+00	2.26E+01	4.99E+00	4.24E+00	8.59E+00	9.98E+00	1.71E+01	2.26E+01
7.27E+02	1.58E+00	2.25E+01	4.97E+00	4.21E+00	8.55E+00	9.92E+00	1.70E+01	2.25E+01
7.36E+02	1.58E+00	2.24E+01	4.94E+00	4.19E+00	8.49E+00	9.84E+00	1.69E+01	2.24E+01
7.44E+02	1.58E+00	2.24E+01	4.92E+00	4.17E+00	8.42E+00	9.77E+00	1.68E+01	2.23E+01
7.52E+02	1.57E+00	2.23E+01	4.90E+00	4.15E+00	8.35E+00	9.70E+00	1.67E+01	2.23E+01
7.60E+02	1.57E+00	2.22E+01	4.88E+00	4.13E+00	8.27E+0			

Probabilistic results summary : Hematite - Root CSM Sensitivity Analysis

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

Summary of dose at graphical times, reptition 2

Time Years	Dose statistics at graphical times, mrem/yr					90%	95%	97.5%	99%
	Minimum	Maximum	Mean	Median					
0.00E+00	7.80E-01	5.42E+01	5.51E+00	4.00E+00	9.76E+00	1.54E+01	2.24E+01	5.39E+01	
1.00E+00	7.83E-01	5.42E+01	5.51E+00	4.00E+00	9.75E+00	1.55E+01	2.25E+01	5.39E+01	
3.00E+00	7.89E-01	5.41E+01	5.51E+00	4.00E+00	9.74E+00	1.55E+01	2.25E+01	5.38E+01	
8.26E+00	8.05E-01	5.39E+01	5.51E+00	4.00E+00	9.74E+00	1.57E+01	2.26E+01	5.36E+01	
1.00E+01	8.10E-01	5.39E+01	5.51E+00	4.00E+00	9.74E+00	1.57E+01	2.26E+01	5.36E+01	
1.65E+01	8.18E-01	5.37E+01	5.52E+00	4.01E+00	9.77E+00	1.59E+01	2.27E+01	5.34E+01	
2.48E+01	8.16E-01	5.34E+01	5.53E+00	4.01E+00	9.82E+00	1.62E+01	2.28E+01	5.31E+01	
3.00E+01	8.15E-01	5.33E+01	5.55E+00	4.02E+00	9.86E+00	1.63E+01	2.29E+01	5.30E+01	
3.31E+01	8.14E-01	5.32E+01	5.56E+00	4.02E+00	9.89E+00	1.64E+01	2.30E+01	5.29E+01	
4.13E+01	8.12E-01	5.29E+01	5.59E+00	4.08E+00	9.95E+00	1.66E+01	2.31E+01	5.26E+01	
4.96E+01	8.11E-01	5.27E+01	5.62E+00	4.09E+00	1.00E+01	1.69E+01	2.33E+01	5.24E+01	
5.79E+01	8.29E-01	5.24E+01	5.65E+00	4.13E+00	1.01E+01	1.71E+01	2.34E+01	5.21E+01	
6.61E+01	8.50E-01	5.22E+01	5.68E+00	4.20E+00	1.02E+01	1.73E+01	2.35E+01	5.19E+01	
7.44E+01	8.72E-01	5.19E+01	5.71E+00	4.23E+00	1.02E+01	1.76E+01	2.37E+01	5.16E+01	
8.26E+01	8.95E-01	5.17E+01	5.73E+00	4.26E+00	1.03E+01	1.78E+01	2.38E+01	5.14E+01	
9.09E+01	9.18E-01	5.14E+01	5.75E+00	4.29E+00	1.04E+01	1.81E+01	2.39E+01	5.12E+01	
9.92E+01	9.43E-01	5.12E+01	5.78E+00	4.33E+00	1.04E+01	1.83E+01	2.41E+01	5.09E+01	
1.00E+02	9.45E-01	5.12E+01	5.78E+00	4.33E+00	1.04E+01	1.84E+01	2.41E+01	5.09E+01	
1.07E+02	9.68E-01	5.10E+01	5.80E+00	4.36E+00	1.05E+01	1.86E+01	2.42E+01	5.07E+01	
1.16E+02	9.94E-01	5.07E+01	5.83E+00	4.39E+00	1.05E+01	1.88E+01	2.43E+01	5.05E+01	
1.24E+02	1.02E+00	5.05E+01	5.86E+00	4.43E+00	1.06E+01	1.91E+01	2.44E+01	5.03E+01	
1.32E+02	1.05E+00	5.03E+01	5.89E+00	4.47E+00	1.06E+01	1.93E+01	2.45E+01	5.00E+01	
1.40E+02	1.08E+00	5.01E+01	5.92E+00	4.50E+00	1.07E+01	1.95E+01	2.47E+01	4.98E+01	
1.49E+02	1.11E+00	4.99E+01	5.95E+00	4.54E+00	1.07E+01	1.96E+01	2.48E+01	4.96E+01	
1.57E+02	1.15E+00	4.96E+01	5.99E+00	4.58E+00	1.08E+01	1.96E+01	2.50E+01	4.94E+01	
1.65E+02	1.18E+00	4.94E+01	6.03E+00	4.52E+00	1.10E+01	1.97E+01	2.51E+01	4.92E+01	
1.74E+02	1.22E+00	4.92E+01	6.09E+00	4.62E+00	1.11E+01	1.97E+01	2.52E+01	4.90E+01	
1.82E+02	1.26E+00	4.90E+01	6.13E+00	4.65E+00	1.12E+01	1.98E+01	2.54E+01	4.88E+01	
1.90E+02	1.30E+00	4.88E+01	6.18E+00	4.68E+00	1.13E+01	1.98E+01	2.55E+01	4.86E+01	
1.98E+02	1.35E+00	4.86E+01	6.24E+00	4.71E+00	1.15E+01	1.98E+01	2.56E+01	4.84E+01	
2.07E+02	1.40E+00	4.84E+01	6.24E+00	4.75E+00	1.16E+01	2.05E+01	2.58E+01	4.82E+01	
2.15E+02	1.45E+00	4.83E+01	6.44E+00	4.79E+00	1.17E+01	2.02E+01	2.60E+01	4.81E+01	
2.23E+02	1.51E+00	4.81E+01	6.48E+00	4.84E+00	1.19E+01	2.02E+01	2.61E+01	4.79E+01	
2.31E+02	1.58E+00	4.79E+01	6.53E+00	4.89E+00	1.19E+01	2.02E+01	2.63E+01	4.77E+01	
2.40E+02	1.65E+00	4.78E+01	6.67E+00	4.96E+00	1.20E+01	2.03E+01	2.64E+01	4.76E+01	
2.48E+02	1.75E+00	4.76E+01	6.76E+00	5.06E+00	1.21E+01	2.04E+01	2.66E+01	4.74E+01	
2.56E+02	1.77E+00	4.73E+01	6.75E+00	5.03E+00	1.20E+01	2.04E+01	2.66E+01	4.71E+01	
2.64E+02	1.76E+00	4.69E+01	6.70E+00	4.97E+00	1.19E+01	2.03E+01	2.65E+01	4.67E+01	
2.73E+02	1.75E+00	4.65E+01	6.66E+00	4.92E+00	1.18E+01	2.02E+01	2.64E+01	4.63E+01	
2.81E+02	1.74E+00	4.61E+01	6.67E+00	4.90E+00	1.17E+01	2.01E+01	2.62E+01	4.59E+01	
2.89E+02	1.74E+00	4.57E+01	6.68E+00	4.88E+00	1.17E+01	2.01E+01	2.61E+01	4.56E+01	
2.98E+02	1.73E+00	4.54E+01	6.67E+00	4.87E+00	1.17E+01	2.02E+01	2.60E+01	4.52E+01	
3.00E+02	1.73E+00	4.52E+01	6.66E+00	4.86E+00	1.17E+01	2.01E+01	2.60E+01	4.51E+01	
3.06E+02	1.72E+00	4.50E+01	6.62E+00	4.85E+00	1.16E+01	2.00E+01	2.59E+01	4.48E+01	
3.14E+02	1.71E+00	4.46E+01	6.58E+00	4.84E+00	1.16E+01	1.99E+01	2.58E+01	4.44E+01	
3.22E+02	1.71E+00	4.42E+01	6.53E+00	4.81E+00	1.16E+01	1.97E+01	2.57E+01	4.41E+01	
3.31E+02	1.70E+00	4.39E+01	6.49E+00	4.79E+00	1.15E+01	1.96E+01	2.56E+01	4.37E+01	
3.39E+02	1.69E+00	4.35E+01	6.73E+00	4.76E+00	1.19E+01	2.26E+01	3.08E+01	4.34E+01	
3.47E+02	1.68E+00	4.31E+01	6.61E+00	4.72E+00	1.18E+01	2.25E+01	2.68E+01	4.30E+01	
3.55E+02	1.68E+00	4.28E+01	6.47E+00	4.69E+00	1.15E+01	1.95E+01	2.53E+01	4.26E+01	
3.64E+02	1.67E+00	4.24E+01	6.38E+00	4.67E+00	1.14E+01	1.92E+01	2.51E+01	4.23E+01	
3.72E+02	1.66E+00	4.21E+01	6.32E+00	4.64E+00	1.09E+01	1.91E+01	2.50E+01	4.19E+01	
3.80E+02	1.66E+00	4.17E+01	6.27E+00	4.61E+00	1.08E+01	1.90E+01	2.49E+01	4.16E+01	
3.88E+02	1.65E+00	4.14E+01	6.23E+00	4.59E+00	1.08E+01	1.90E+01	2.48E+01	4.12E+01	
3.97E+02	1.64E+00	4.10E+01	6.19E+00	4.57E+00	1.07E+01	1.89E+01	2.47E+01	4.09E+01	
4.05E+02	1.64E+00	4.07E+01	6.15E+00	4.55E+00	1.07E+01	1.88E+01	2.46E+01	4.05E+01	
4.13E+02	1.63E+00	4.03E+01	6.11E+00	4.53E+00	1.06E+01	1.87E+01	2.44E+01	4.02E+01	
4.21E+02	1.63E+00	4.00E+01	6.08E+00	4.51E+00	1.06E+01	1.86E+01	2.43E+01	3.98E+01	
4.30E+02	1.62E+00	3.96E+01	6.05E+00	4.49E+00	1.05E+01	1.85E+01	2.42E+01	3.95E+01	
4.38E+02	1.61E+00	3.93E+01	6.05E+00	4.47E+00	1.05E+01	1.85E+01	2.40E+01	3.92E+01	
4.46E+02	1.61E+00	3.90E+01	6.06E+00	4.45E+00	1.11E+01	1.84E+01	2.39E+01	3.88E+01	
4.55E+02	1.60E+00	3.87E+01	6.04E+00	4.43E+00	1.11E+01	1.84E+01	2.37E+01	3.85E+01	
4.63E+02	1.60E+00	3.83E+01	5.99E+00	4.41E+00	1.11E+01	1.83E+01	2.36E+01	3.82E+01	
4.71E+02	1.59E+00	3.80E+01	5.95E+00	4.38E+00	1.11E+01	1.81E+01	2.34E+01	3.79E+01	
4.79E+02	1.58E+00	3.77E+01	5.92E+00	4.36E+00	1.10E+01	1.81E+01	2.33E+01	3.76E+01	
4.88E+02	1.58E+00	3.74E+01	5.88E+00	4.35E+00	1.03E+01	1.80E+01	2.32E+01	3.72E+01	
4.96E+02	1.57E+00	3.70E+01	5.85E+00	4.33E+00	1.02E+01	1.79E+01	2.32E+01	3.69E+01	
5.04E+02	1.57E+00	3.67E+01	5.82E+00	4.32E+00	1.02E+01	1.78E+01	2.31E+01	3.66E+01	
5.12E+02	1.56E+00	3.64E+01	5.79E+00	4.33E+00	1.01E+01	1.77E+01	2.30E+01	3.63E+01	
5.21E+02	1.56E+00	3.61E+01	5.76E+00	4.35E+00	1.01E+01	1.75E+01	2.29E+01	3.60E+01	
5.29E+02	1.55E+00	3.58E+01	5.73E+00	4.34E+00	1.00E+01	1.74E+01	2.29E+01	3.57E+01	
5.37E+02	1.55E+00	3.55E+01	5.71E+00	4.34E+00	1.00E+01	1.72E+01	2.30E+01	3.54E+01	
5.45E+02	1.54E+00	3.52E+01	5.68E+00	4.33E+00	9.97E+00	1.71E+01	2.32E+01	3.51E+01	
5.54E+02	1.54E+00	3.49E+01	5.66E+00	4.31E+00	9.94E+00	1.70E+01	2.31E+01	3.48E+01	
5.62E+02	1.53E+00	3.46E+01	5.63E+00	4.30E+00	9.90E+00	1.68E+01	2.29E+01	3.45E+01	
5.70E+02	1.53E+00	3.43E+01	5.60E+00	4.28E+00	9.87E+00	1.67E+01	2.28E+01	3.42E+01	
5.79E+02	1.52E+00	3.40E+01	5.58E+00	4.27E+00	9.83E+00	1.66E+01	2.26E+01	3.39E+01	
5.87E+02	1.52E+00	3.37E+01	5.57E+00	4.25E+00	9.80E+00	1.64E+01	2.25E+01	3.36E+01	
5.95E+02	1.51E+00	3.34E+01	5.56E+00	4.24E+00	9.76E+00	1.63E+01	2.23E+01	3.33E+01	
6.03E+02	1.51E+00	3.31E+01	5.54E+00	4.22E+00	9.73E+00	1.62E+01	2.22E+01	3.31E+01	
6.12E+02	1.50E+00	3.29E+01	5.51E+00	4.25E+00	9.70E+00	1.60E+01	2.20E+01	3.28E+01	
6.20E+02	1.50E+00	3.26E+01	5.49E+00	4.24E+00	9.67E+00	1.59E+01	2.19E+01	3.25E+01	
6.28E+02	1.50E+00	3.23E+01	5.46E+00	4.22E+00	9.64E+00	1.58E+01	2.18E+01	3.22E+01	
6.36E+02	1.49E+00	3.20E+01	5.43E+00	4.21E+00	9.61E+00	1.57E+01	2.17E+01	3.19E+01	
6.45E+02	1.49E+00	3.18E+01	5.41E+00	4.20E+00	9.58E+00	1.55E+01	2.16E+01	3.17E+01	
6.53E+02	1.48E+00	3.15E+01	5.38E+00	4.20E+00	9.55E+00	1.54E+01	2.15E+01	3.14E+01	
6.61E+02	1.48E+00	3.12E+01	5.36E+00	4.21E+00	9.52E+00	1.53E+01	2.14E+01	3.11E+01	
6.69E+02	1.48E+00	3.09E+01	5.34E+00	4.20E+00	9.49E+00	1.52E+01	2.14E+01	3.09E+01	
6.78E+02	1.47E+00	3.07E+01	5.32E+00	4.19E+00	9.46E+00	1.50E+01	2.13E+01	3.06E+01	
6.86E+02	1.47E+00	3.04E+01	5.29E+00	4.18E+00	9.44E+00	1.49E+01	2.12E+01	3.03E+01	
6.94E+02	1.46E+00	3.01E+01	5.27E+00	4.17E+00	9.41E+00	1.48E+01	2.11E+01	3.01E+01	
7.02E+02	1.46E+00	2.99E+01	5.25E+00	4.16E+00	9.38E+00	1.47E+01	2.10E+01	2.98E+01	
7.11E+02	1.46E+00	2.96E+01	5.23E+00	4.14E+00	9.35E+00	1.46E+01	2.10E+01	2.96E+01	
7.19E+02	1.45E+00	2.94E+01	5.20E+00	4.11E+00	9.32E+00	1.44E+01	2.09E+01	2.93E+01	
7.27E+02	1.45E+00	2.91E+01	5.18E+00	4.09E+00	9.29E+00	1.43E+01	2.08E+01	2.90E+01	
7.36E+02	1.45E+00	2.89E+01	5.15E+00	4.06E+00	9.27E+00	1.42E+01	2.07E+01	2.88E+01	
7.44E+02	1.44E+00	2.86E+01	5.13E+00	4.04E+00	9.24E+00	1.41E+01	2.06E+01	2.85E+01	
7.52E+02	1.44E+00	2.84E+01	5.10E+00	4.02E+00	9.21E+00	1.40E+01	2.06E+01	2.83E+01	
7.60E+02	1.43E+00	2.81E+01	5.08E+00	3					

Probabilistic results summary : Hematite - Root CSM Sensitivity Analysis

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

Summary of dose at graphical times, reptition 3

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	9.81E-01	2.91E+01	5.39E+00	3.71E+00	1.15E+01	1.69E+01	2.56E+01	2.91E+01
1.00E+00	9.79E-01	2.91E+01	5.39E+00	3.71E+00	1.15E+01	1.69E+01	2.56E+01	2.91E+01
3.00E+00	9.76E-01	2.91E+01	5.39E+00	3.72E+00	1.14E+01	1.69E+01	2.55E+01	2.91E+01
8.26E+00	9.71E-01	2.91E+01	5.39E+00	3.72E+00	1.14E+01	1.69E+01	2.55E+01	2.91E+01
1.00E+01	9.70E-01	2.91E+01	5.39E+00	3.73E+00	1.14E+01	1.69E+01	2.55E+01	2.91E+01
1.65E+01	9.71E-01	2.91E+01	5.40E+00	3.74E+00	1.13E+01	1.69E+01	2.54E+01	2.91E+01
2.48E+01	9.80E-01	2.91E+01	5.44E+00	3.79E+00	1.13E+01	1.69E+01	2.53E+01	2.91E+01
3.00E+01	9.89E-01	2.91E+01	5.53E+00	3.85E+00	1.14E+01	1.69E+01	2.52E+01	2.91E+01
3.31E+01	9.95E-01	2.91E+01	5.58E+00	3.85E+00	1.18E+01	1.69E+01	2.52E+01	2.91E+01
4.13E+01	1.01E+00	2.91E+01	5.67E+00	3.85E+00	1.19E+01	1.74E+01	2.54E+01	2.91E+01
4.96E+01	1.04E+00	2.91E+01	5.67E+00	3.93E+00	1.19E+01	1.75E+01	2.52E+01	2.91E+01
5.79E+01	1.06E+00	2.91E+01	5.66E+00	3.94E+00	1.19E+01	1.70E+01	2.60E+01	2.91E+01
6.61E+01	1.09E+00	3.05E+01	5.66E+00	3.94E+00	1.19E+01	1.70E+01	2.59E+01	3.05E+01
7.44E+01	1.12E+00	3.18E+01	5.67E+00	3.95E+00	1.19E+01	1.70E+01	2.59E+01	3.17E+01
8.26E+01	1.14E+00	3.28E+01	5.69E+00	3.99E+00	1.19E+01	1.70E+01	2.58E+01	3.28E+01
9.09E+01	1.18E+00	3.37E+01	5.71E+00	4.03E+00	1.19E+01	1.70E+01	2.58E+01	3.36E+01
9.92E+01	1.21E+00	3.44E+01	5.74E+00	4.09E+00	1.20E+01	1.70E+01	2.57E+01	3.44E+01
1.00E+02	1.21E+00	3.45E+01	5.74E+00	4.09E+00	1.20E+01	1.70E+01	2.57E+01	3.44E+01
1.07E+02	1.24E+00	3.39E+01	5.76E+00	4.03E+00	1.20E+01	1.70E+01	2.57E+01	3.39E+01
1.16E+02	1.27E+00	3.27E+01	5.78E+00	4.08E+00	1.20E+01	1.71E+01	2.56E+01	3.27E+01
1.24E+02	1.31E+00	3.17E+01	5.83E+00	4.16E+00	1.20E+01	1.71E+01	2.56E+01	3.17E+01
1.32E+02	1.35E+00	3.08E+01	5.85E+00	4.21E+00	1.21E+01	1.72E+01	2.56E+01	3.08E+01
1.40E+02	1.38E+00	3.01E+01	5.86E+00	4.24E+00	1.23E+01	1.73E+01	2.55E+01	3.01E+01
1.49E+02	1.42E+00	2.94E+01	5.87E+00	4.27E+00	1.21E+01	1.74E+01	2.55E+01	2.94E+01
1.57E+02	1.46E+00	2.90E+01	5.89E+00	4.31E+00	1.21E+01	1.75E+01	2.54E+01	2.90E+01
1.65E+02	1.51E+00	2.90E+01	5.93E+00	4.34E+00	1.21E+01	1.76E+01	2.51E+01	2.90E+01
1.74E+02	1.55E+00	2.90E+01	5.97E+00	4.38E+00	1.22E+01	1.77E+01	2.49E+01	2.90E+01
1.82E+02	1.60E+00	2.90E+01	6.01E+00	4.42E+00	1.22E+01	1.78E+01	2.46E+01	2.90E+01
1.90E+02	1.65E+00	2.90E+01	6.05E+00	4.49E+00	1.22E+01	1.79E+01	2.45E+01	2.90E+01
1.98E+02	1.70E+00	2.90E+01	6.10E+00	4.56E+00	1.23E+01	1.80E+01	2.43E+01	2.90E+01
2.07E+02	1.76E+00	2.91E+01	6.16E+00	4.65E+00	1.23E+01	1.81E+01	2.42E+01	2.90E+01
2.15E+02	1.82E+00	2.91E+01	6.17E+00	4.74E+00	1.17E+01	1.83E+01	2.40E+01	2.91E+01
2.23E+02	1.89E+00	2.91E+01	6.22E+00	4.81E+00	1.17E+01	1.84E+01	2.39E+01	2.91E+01
2.31E+02	1.96E+00	2.91E+01	6.29E+00	4.86E+00	1.18E+01	1.85E+01	2.38E+01	2.91E+01
2.40E+02	2.04E+00	2.92E+01	6.37E+00	4.93E+00	1.19E+01	1.86E+01	2.38E+01	2.91E+01
2.48E+02	2.15E+00	2.92E+01	6.47E+00	5.08E+00	1.20E+01	1.88E+01	2.37E+01	2.92E+01
2.56E+02	2.17E+00	2.91E+01	6.47E+00	5.10E+00	1.19E+01	1.88E+01	2.36E+01	2.91E+01
2.64E+02	2.16E+00	2.89E+01	6.44E+00	5.06E+00	1.19E+01	1.87E+01	2.34E+01	2.88E+01
2.73E+02	2.15E+00	2.86E+01	6.41E+00	5.03E+00	1.18E+01	1.86E+01	2.32E+01	2.86E+01
2.81E+02	2.14E+00	2.84E+01	6.38E+00	5.00E+00	1.18E+01	1.85E+01	2.30E+01	2.84E+01
2.89E+02	2.14E+00	2.82E+01	6.35E+00	4.97E+00	1.17E+01	1.84E+01	2.28E+01	2.81E+01
2.98E+02	2.13E+00	2.79E+01	6.32E+00	4.94E+00	1.17E+01	1.84E+01	2.26E+01	2.79E+01
3.00E+02	2.13E+00	2.79E+01	6.31E+00	4.93E+00	1.17E+01	1.83E+01	2.25E+01	2.78E+01
3.06E+02	2.12E+00	2.77E+01	6.29E+00	4.91E+00	1.16E+01	1.83E+01	2.24E+01	2.77E+01
3.14E+02	2.11E+00	2.75E+01	6.26E+00	4.89E+00	1.16E+01	1.82E+01	2.22E+01	2.75E+01
3.22E+02	2.11E+00	2.73E+01	6.23E+00	4.86E+00	1.16E+01	1.81E+01	2.20E+01	2.72E+01
3.31E+02	2.10E+00	2.70E+01	6.22E+00	4.84E+00	1.15E+01	1.80E+01	2.19E+01	2.70E+01
3.39E+02	2.09E+00	2.68E+01	6.21E+00	4.81E+00	1.15E+01	1.80E+01	2.17E+01	2.68E+01
3.47E+02	2.08E+00	2.66E+01	6.19E+00	4.78E+00	1.14E+01	1.79E+01	2.15E+01	2.66E+01
3.55E+02	2.08E+00	2.64E+01	6.17E+00	4.75E+00	1.15E+01	1.78E+01	2.14E+01	2.63E+01
3.64E+02	2.07E+00	2.62E+01	6.15E+00	4.72E+00	1.16E+01	1.77E+01	2.12E+01	2.61E+01
3.72E+02	2.06E+00	2.59E+01	6.12E+00	4.69E+00	1.15E+01	1.76E+01	2.10E+01	2.59E+01
3.80E+02	2.06E+00	2.57E+01	6.10E+00	4.66E+00	1.15E+01	1.76E+01	2.09E+01	2.57E+01
3.88E+02	2.05E+00	2.55E+01	6.07E+00	4.63E+00	1.14E+01	1.75E+01	2.07E+01	2.55E+01
3.97E+02	2.04E+00	2.53E+01	6.05E+00	4.60E+00	1.14E+01	1.74E+01	2.05E+01	2.53E+01
4.05E+02	2.04E+00	2.51E+01	6.02E+00	4.57E+00	1.14E+01	1.73E+01	2.04E+01	2.51E+01
4.13E+02	2.03E+00	2.49E+01	6.00E+00	4.55E+00	1.14E+01	1.73E+01	2.02E+01	2.49E+01
4.21E+02	2.02E+00	2.47E+01	5.96E+00	4.53E+00	1.13E+01	1.72E+01	2.01E+01	2.47E+01
4.30E+02	2.02E+00	2.45E+01	5.92E+00	4.51E+00	1.10E+01	1.71E+01	1.99E+01	2.44E+01
4.38E+02	2.01E+00	2.43E+01	5.87E+00	4.49E+00	1.09E+01	1.70E+01	1.98E+01	2.42E+01
4.46E+02	2.00E+00	2.41E+01	5.83E+00	4.47E+00	1.09E+01	1.69E+01	1.96E+01	2.40E+01
4.55E+02	2.00E+00	2.39E+01	5.79E+00	4.47E+00	1.08E+01	1.69E+01	1.94E+01	2.38E+01
4.63E+02	1.99E+00	2.37E+01	5.76E+00	4.46E+00	1.07E+01	1.68E+01	1.93E+01	2.36E+01
4.71E+02	1.98E+00	2.35E+01	5.72E+00	4.46E+00	1.07E+01	1.67E+01	1.91E+01	2.34E+01
4.79E+02	1.98E+00	2.33E+01	5.70E+00	4.46E+00	1.06E+01	1.66E+01	1.90E+01	2.32E+01
4.88E+02	1.97E+00	2.31E+01	5.67E+00	4.45E+00	1.05E+01	1.66E+01	1.88E+01	2.31E+01
4.96E+02	1.97E+00	2.29E+01	5.64E+00	4.43E+00	1.05E+01	1.65E+01	1.87E+01	2.29E+01
5.04E+02	1.96E+00	2.27E+01	5.62E+00	4.42E+00	1.04E+01	1.64E+01	1.86E+01	2.27E+01
5.12E+02	1.95E+00	2.25E+01	5.73E+00	4.39E+00	1.06E+01	1.66E+01	1.94E+01	2.25E+01
5.21E+02	1.95E+00	2.24E+01	5.74E+00	4.37E+00	1.06E+01	1.65E+01	2.12E+01	2.24E+01
5.29E+02	1.94E+00	2.21E+01	5.68E+00	4.32E+00	1.05E+01	1.64E+01	1.98E+01	2.21E+01
5.37E+02	1.94E+00	2.19E+01	5.63E+00	4.28E+00	1.04E+01	1.63E+01	1.84E+01	2.19E+01
5.45E+02	1.93E+00	2.17E+01	5.59E+00	4.25E+00	1.04E+01	1.61E+01	1.79E+01	2.17E+01
5.54E+02	1.93E+00	2.16E+01	5.54E+00	4.23E+00	1.04E+01	1.59E+01	1.78E+01	2.15E+01
5.62E+02	1.92E+00	2.14E+01	5.50E+00	4.22E+00	1.04E+01	1.58E+01	1.77E+01	2.14E+01
5.70E+02	1.91E+00	2.12E+01	5.47E+00	4.21E+00	1.04E+01	1.56E+01	1.76E+01	2.12E+01
5.79E+02	1.91E+00	2.10E+01	5.43E+00	4.20E+00	1.00E+01	1.55E+01	1.75E+01	2.10E+01
5.87E+02	1.90E+00	2.08E+01	5.40E+00	4.19E+00	9.92E+00	1.54E+01	1.74E+01	2.08E+01
5.95E+02	1.90E+00	2.07E+01	5.36E+00	4.17E+00	9.84E+00	1.53E+01	1.73E+01	2.06E+01
6.03E+02	1.89E+00	2.05E+01	5.33E+00	4.16E+00	9.77E+00	1.51E+01	1.72E+01	2.05E+01
6.12E+02	1.89E+00	2.03E+01	5.30E+00	4.14E+00	9.69E+00	1.50E+01	1.71E+01	2.03E+01
6.20E+02	1.88E+00	2.01E+01	5.29E+00	4.12E+00	9.62E+00	1.49E+01	1.70E+01	2.01E+01
6.28E+02	1.88E+00	2.00E+01	5.26E+00	4.11E+00	9.55E+00	1.48E+01	1.69E+01	1.99E+01
6.36E+02	1.87E+00	1.98E+01	5.23E+00	4.09E+00	9.47E+00	1.46E+01	1.68E+01	1.98E+01
6.45E+02	1.87E+00	1.96E+01	5.20E+00	4.08E+00	9.40E+00	1.45E+01	1.67E+01	1.96E+01
6.53E+02	1.86E+00	1.95E+01	5.17E+00	4.06E+00	9.33E+00	1.44E+01	1.66E+01	1.94E+01
6.61E+02	1.86E+00	1.93E+01	5.15E+00	4.04E+00	9.26E+00	1.43E+01	1.65E+01	1.93E+01
6.69E+02	1.85E+00	1.91E+01	5.13E+00	4.03E+00	9.19E+00	1.42E+01	1.64E+01	1.91E+01
6.78E+02	1.85E+00	1.90E+01	5.10E+00	4.00E+00	9.12E+00	1.40E+01	1.63E+01	1.89E+01
6.86E+02	1.84E+00	1.88E+01	5.08E+00	3.98E+00	9.05E+00	1.39E+01	1.62E+01	1.88E+01
6.94E+02	1.84E+00	1.86E+01	5.06E+00	3.96E+00	8.98E+00	1.38E+01	1.61E+01	1.86E+01
7.02E+02	1.83E+00	1.85E+01	5.04E+00	3.93E+00	8.91E+00	1.37E+01	1.60E+01	1.85E+01
7.11E+02	1.83E+00	1.83E+01	5.02E+00	3.91E+00	8.90E+00	1.36E+01	1.60E+01	1.83E+01
7.19E+02	1.82E+00	1.81E+01	5.00E+00	3.89E+00	9.12E+00	1.35E+01	1.59E+01	1.81E+01
7.27E+02	1.82E+00	1.80E+01	4.98E+00	3.87E+00	9.30E+00	1.33E+01	1.58E+01	1.80E+01
7.36E+02	1.81E+00	1.78E+01	4.96E+00	3.84E+00	9.25E+00	1.32E+01	1.57E+01	1.78E+01
7.44E+02	1.81E+00	1.77E+01	4.94E+00	3.82E+00	9.18E+00	1.31E+01	1.56E+01	1.77E+01
7.52E+02	1.80E+00	1.75E+01	4.92E+00	3.80E+00	9.10E+00	1.30E+01	1.56E+01	1.75E+01
7.60E+02	1.80E+00	1.74E+01	4.89E+00	3.78E+00	9.03E			

RESRAD, Version 6.4 T« Limit = 180 days 06/15/2009 13:22 Page 23
Probabilistic results summary : Hematite - Root CSM Sensitivity Analysis
File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - ROOT 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	2.479E+02	6.452E+00
2	2.479E+02	6.763E+00
3	2.479E+02	6.473E+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	24	0.41	28	0.06	21	-0.33	21	-0.05
Kd of Ac-227 in Unsaturated Zone 1	65	-0.15	66	-0.02	39	-0.19	41	-0.03
Kd of Ac-227 in Saturated Zone	10	0.57	20	0.08	66	-0.06	67	-0.01
Kd of Am-241 in Contaminated Zone	52	0.22	53	0.03	25	-0.28	25	-0.04
Kd of Am-241 in Unsaturated Zone 1	29	-0.37	23	-0.07	11	-0.44	11	-0.07
Kd of Am-241 in Saturated Zone	6	0.66	6	0.18	32	0.24	32	0.04
Kd of Np-237 in Contaminated Zone	14	-0.51	13	-0.12	57	-0.11	57	-0.02
Kd of Np-237 in Unsaturated Zone 1	22	-0.42	14	-0.11	49	-0.15	49	-0.02
Kd of Np-237 in Saturated Zone	60	-0.17	61	-0.02	47	-0.16	47	-0.02
Kd of Pa-231 in Contaminated Zone	59	0.18	44	0.04	73	-0.04	73	-0.01
Kd of Pa-231 in Unsaturated Zone 1	37	0.31	16	0.09	37	0.20	37	0.03
Kd of Pa-231 in Saturated Zone	12	-0.51	10	-0.13	16	0.37	15	0.06
Kd of Pb-210 in Contaminated Zone	8	-0.62	9	-0.13	10	0.44	8	0.07
Kd of Pb-210 in Unsaturated Zone 1	31	-0.35	35	-0.06	67	-0.06	66	-0.01
Kd of Pb-210 in Saturated Zone	11	0.52	17	0.09	45	-0.17	45	-0.03
Kd of Pu-239 in Contaminated Zone	27	0.37	30	0.06	44	-0.18	44	-0.03
Kd of Pu-239 in Unsaturated Zone 1	16	0.50	4	0.23	76	0.03	76	0.00
Kd of Pu-239 in Saturated Zone	34	-0.34	29	-0.06	51	-0.13	51	-0.02
Kd of Ra-226 in Contaminated Zone	67	-0.12	68	-0.02	52	0.13	52	0.02
Kd of Ra-226 in Unsaturated Zone 1	40	0.31	45	0.04	64	0.07	63	0.01
Kd of Ra-226 in Saturated Zone	75	-0.05	77	-0.01	70	0.05	70	0.01
Kd of Tc-99 in Saturated Zone	68	0.10	69	0.01	6	-0.45	6	-0.08
Kd of Th-229 in Contaminated Zone	69	0.09	65	0.02	24	0.28	24	0.04
Kd of Th-229 in Unsaturated Zone 1	20	-0.44	5	-0.22	12	0.42	12	0.07
Kd of Th-229 in Saturated Zone	13	0.51	7	0.15	54	-0.12	54	-0.02
Kd of Th-230 in Contaminated Zone	30	-0.36	22	-0.08	13	-0.40	13	-0.07
Kd of Th-230 in Unsaturated Zone 1	61	-0.17	59	-0.03	46	-0.17	46	-0.03
Kd of Th-230 in Saturated Zone	73	0.05	72	0.01	78	-0.02	78	0.00
Kd of U-233 in Saturated Zone	43	0.29	49	0.04	60	-0.08	60	-0.01
Kd of U-234 in Saturated Zone	49	0.24	38	0.05	56	-0.11	55	-0.02
Kd of U-235 in Saturated Zone	44	0.28	36	0.05	77	-0.02	77	0.00
Kd of U-238 in Saturated Zone	36	-0.33	47	-0.04	9	-0.44	7	-0.07
Plant transfer factor for Ac	77	-0.04	78	-0.01	23	0.31	23	0.05
Meat transfer factor for Ac	76	-0.05	75	-0.01	79	-0.02	79	0.00
Milk transfer factor for Ac	19	-0.44	24	-0.07	62	-0.08	62	-0.01
Fish transfer factor for Ac	18	-0.45	21	-0.08	75	-0.03	75	0.00
Plant transfer factor for Am	66	-0.15	67	-0.02	34	-0.22	34	-0.03
Meat transfer factor for Am	51	-0.22	55	-0.03	65	-0.07	65	-0.01
Milk transfer factor for Am	48	0.24	48	0.04	55	0.11	56	0.02
Fish transfer factor for Am	50	0.23	52	0.03	28	-0.26	27	-0.04
Plant transfer factor for Pb	58	-0.18	46	-0.04	29	0.25	29	0.04
Meat transfer factor for Pb	71	-0.05	73	-0.01	7	-0.44	9	-0.07
Milk transfer factor for Pb	54	0.21	57	0.03	58	0.10	58	0.02
Fish transfer factor for Pb	42	-0.30	18	-0.09	19	0.34	18	0.06
Plant transfer factor for Np	38	0.31	43	0.05	5	0.58	5	0.11
Meat transfer factor for Np	47	0.25	50	0.03	26	-0.28	26	-0.04
Milk transfer factor for Np	72	0.05	71	0.01	61	0.08	61	0.01
Fish transfer factor for Np	55	0.21	60	0.03	63	0.07	64	0.01
Plant transfer factor for Pu	53	-0.21	37	-0.05	33	-0.23	33	-0.04
Meat transfer factor for Pu	28	-0.37	39	-0.05	72	0.04	72	0.01
Milk transfer factor for Pu	32	0.35	33	0.06	20	-0.34	19	-0.05
Fish transfer factor for Pu	41	0.30	41	0.05	17	0.36	17	0.06
Plant transfer factor for Pa	33	-0.35	40	-0.05	14	0.38	14	0.06
Meat transfer factor for Pa	23	0.42	19	0.09	41	0.19	38	0.03
Milk transfer factor for Pa	79	-0.03	79	0.00	15	-0.37	16	-0.06
Fish transfer factor for Pa	78	0.03	76	0.01	38	-0.20	39	-0.03
Plant transfer factor for Ra	56	0.21	58	0.03	71	-0.05	71	-0.01
Meat transfer factor for Ra	70	0.06	74	0.01	69	0.05	69	0.01
Milk transfer factor for Ra	17	0.48	25	0.07	36	0.21	36	0.03
Fish transfer factor for Ra	63	-0.16	62	-0.02	43	0.18	43	0.03
Plant transfer factor for Tc	1	0.97	1	0.81	1	0.98	1	0.74
Meat transfer factor for Tc	39	0.31	32	0.06	35	-0.21	35	-0.03
Milk transfer factor for Tc	7	-0.63	12	-0.12	31	0.25	30	0.04
Fish transfer factor for Tc	15	-0.50	26	-0.07	30	-0.25	31	-0.04
Plant transfer factor for Th	62	0.16	56	0.03	53	-0.12	53	-0.02
Meat transfer factor for Th	45	-0.28	51	-0.03	27	0.26	28	0.04
Milk transfer factor for Th	80	0.00	80	0.00	42	-0.18	42	-0.03
Fish transfer factor for Th	64	0.16	63	0.02	50	0.13	50	0.02
Plant transfer factor for U	2	0.97	2	0.45	3	0.90	3	0.32
Meat transfer factor for U	4	0.67	11	0.12	8	0.44	10	0.07
Milk transfer factor for U	5	0.67	8	0.13	4	0.59	4	0.11
Fish transfer factor for U	74	-0.05	70	-0.01	40	0.19	40	0.03
Well pumping rate	46	0.25	54	0.03	22	-0.32	22	-0.05
Mass loading for inhalation	21	0.43	27	0.07	18	0.34	20	0.05
Indoor dust filtration factor	35	0.33	42	0.05	80	-0.01	80	0.00
Depth of soil mixing layer	9	-0.57	15	-0.10	68	0.05	68	0.01
Depth of roots	3	-0.93	3	-0.28	2	-0.95	2	-0.46
Wet weight crop yield of fruit, grain and non-leafy vegetables	26	0.38	34	0.06	59	-0.09	59	-0.01
Weathering removal constant of all vegetation	57	-0.19	64	-0.02	74	0.03	74	0.00
Wet foliar interception fraction of leafy vegetables	25	-0.40	31	-0.06	48	-0.16	48	-0.02
R-SQUARE		0.99		0.99		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 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	18	-0.27	4	-0.22	71	-0.03	71	0.00
Kd of Ac-227 in Unsaturated Zone 1	43	0.12	48	0.02	51	0.10	51	0.02
Kd of Ac-227 in Saturated Zone	12	-0.32	25	-0.06	42	-0.14	42	-0.02
Kd of Am-241 in Contaminated Zone	31	-0.19	31	-0.04	46	-0.13	46	-0.02
Kd of Am-241 in Unsaturated Zone 1	57	0.06	59	0.01	26	0.22	27	0.04
Kd of Am-241 in Saturated Zone	24	-0.23	20	-0.07	69	-0.03	69	-0.01
Kd of Np-237 in Contaminated Zone	17	0.29	8	0.13	20	0.28	20	0.05
Kd of Np-237 in Unsaturated Zone 1	76	0.00	76	0.00	18	-0.29	18	-0.05
Kd of Np-237 in Saturated Zone	7	-0.38	13	-0.08	7	-0.41	7	-0.08
Kd of Pa-231 in Contaminated Zone	42	-0.12	36	-0.04	74	0.02	74	0.00
Kd of Pa-231 in Unsaturated Zone 1	71	-0.03	70	-0.01	65	-0.05	65	-0.01
Kd of Pa-231 in Saturated Zone	51	0.08	17	0.07	34	0.18	34	0.03
Kd of Pb-210 in Contaminated Zone	48	0.10	51	0.02	60	-0.08	60	-0.01
Kd of Pb-210 in Unsaturated Zone 1	13	0.32	5	0.19	56	-0.09	56	-0.02
Kd of Pb-210 in Saturated Zone	27	-0.22	30	-0.04	17	-0.31	17	-0.05
Kd of Pu-239 in Contaminated Zone	61	-0.05	40	-0.03	32	0.18	33	0.03
Kd of Pu-239 in Unsaturated Zone 1	45	-0.11	50	-0.02	19	-0.28	19	-0.05
Kd of Pu-239 in Saturated Zone	33	-0.18	33	-0.04	9	-0.37	9	-0.07
Kd of Ra-226 in Contaminated Zone	79	0.00	79	0.00	57	0.09	58	0.01
Kd of Ra-226 in Unsaturated Zone 1	14	-0.31	21	-0.07	70	0.03	70	0.01
Kd of Ra-226 in Saturated Zone	20	-0.26	23	-0.07	37	0.17	37	0.03
Kd of Tc-99 in Saturated Zone	15	0.31	22	0.07	78	-0.01	78	0.00
Kd of Th-229 in Contaminated Zone	46	0.10	52	0.02	50	0.11	50	0.02
Kd of Th-229 in Unsaturated Zone 1	63	0.05	62	0.01	31	0.19	30	0.03
Kd of Th-229 in Saturated Zone	56	-0.06	15	-0.08	41	0.15	41	0.02
Kd of Th-230 in Contaminated Zone	59	-0.06	49	-0.02	10	0.35	10	0.06
Kd of Th-230 in Unsaturated Zone 1	19	-0.26	16	-0.07	66	0.05	66	0.01
Kd of Th-230 in Saturated Zone	36	0.15	44	0.03	8	-0.41	8	-0.08
Kd of U-233 in Saturated Zone	52	0.08	11	0.10	28	-0.20	29	-0.03
Kd of U-234 in Saturated Zone	4	0.49	7	0.14	39	-0.16	39	-0.03
Kd of U-235 in Saturated Zone	16	-0.29	10	-0.12	23	0.23	23	0.04
Kd of U-238 in Saturated Zone	11	-0.33	14	-0.08	21	-0.25	21	-0.04
Plant transfer factor for Ac	23	0.24	27	0.05	63	-0.07	63	-0.01
Meat transfer factor for Ac	75	0.01	75	0.00	59	0.08	59	0.01
Milk transfer factor for Ac	77	0.00	78	0.00	14	0.33	15	0.06
Fish transfer factor for Ac	64	-0.04	64	-0.01	48	0.12	48	0.02
Plant transfer factor for Am	47	0.10	53	0.02	29	-0.20	28	-0.03
Meat transfer factor for Am	65	0.04	66	0.01	5	0.48	5	0.09
Milk transfer factor for Am	22	-0.26	26	-0.05	79	-0.01	79	0.00
Fish transfer factor for Am	54	-0.07	56	-0.02	80	0.00	80	0.00
Plant transfer factor for Pb	37	0.15	37	0.04	64	-0.07	64	-0.01
Meat transfer factor for Pb	26	0.22	28	0.05	16	0.32	16	0.06
Milk transfer factor for Pb	44	-0.11	43	-0.03	52	-0.10	52	-0.02
Fish transfer factor for Pb	9	-0.33	24	-0.06	35	0.18	35	0.03
Plant transfer factor for Np	69	-0.03	67	-0.01	13	0.34	13	0.06
Meat transfer factor for Np	35	-0.17	41	-0.03	75	-0.02	76	0.00
Milk transfer factor for Np	53	0.07	61	0.01	72	0.03	72	0.00
Fish transfer factor for Np	74	0.01	74	0.00	11	-0.34	12	-0.06
Plant transfer factor for Pu	70	0.03	71	0.01	44	-0.13	44	-0.02
Meat transfer factor for Pu	25	0.22	35	0.04	40	-0.15	40	-0.03
Milk transfer factor for Pu	67	-0.03	69	-0.01	24	0.23	24	0.04
Fish transfer factor for Pu	40	0.13	45	0.03	15	-0.32	14	-0.06
Plant transfer factor for Pa	32	0.19	29	0.04	45	0.13	45	0.02
Meat transfer factor for Pa	21	-0.26	18	-0.07	25	-0.23	25	-0.04
Milk transfer factor for Pa	30	0.20	32	0.04	22	-0.24	22	-0.04
Fish transfer factor for Pa	78	0.00	77	0.00	49	-0.12	49	-0.02
Plant transfer factor for Ra	10	0.33	19	0.07	27	0.21	26	0.04
Meat transfer factor for Ra	29	-0.20	34	-0.04	33	0.18	32	0.03
Milk transfer factor for Ra	60	0.06	60	0.01	77	-0.01	77	0.00
Fish transfer factor for Ra	28	0.20	38	0.04	30	-0.19	31	-0.03
Plant transfer factor for Tc	1	0.97	1	0.85	1	0.98	1	0.78
Meat transfer factor for Tc	49	-0.09	58	-0.01	38	0.16	38	0.03
Milk transfer factor for Tc	38	0.15	46	0.03	36	0.18	36	0.03
Fish transfer factor for Tc	41	0.13	47	0.02	67	-0.04	67	-0.01
Plant transfer factor for Th	6	0.41	9	0.12	62	0.07	62	0.01
Meat transfer factor for Th	66	-0.03	68	-0.01	54	0.09	55	0.02
Milk transfer factor for Th	39	0.14	42	0.03	61	0.08	61	0.01
Fish transfer factor for Th	68	0.03	57	0.01	76	0.02	75	0.00
Plant transfer factor for U	3	0.77	3	0.23	3	0.80	3	0.22
Meat transfer factor for U	8	0.36	12	0.09	12	0.34	11	0.06
Milk transfer factor for U	5	0.44	6	0.14	4	0.62	4	0.13
Fish transfer factor for U	62	0.05	65	0.01	47	-0.13	47	-0.02
Well pumping rate	55	-0.07	55	-0.02	6	-0.42	6	-0.08
Mass loading for inhalation	34	-0.17	39	-0.04	43	0.14	43	0.02
Indoor dust filtration factor	80	0.00	80	0.00	68	0.04	68	0.01
Depth of soil mixing layer	50	-0.08	54	-0.02	73	-0.02	73	0.00
Depth of roots	2	-0.82	2	-0.30	2	-0.94	2	-0.46
Wet weight crop yield of fruit, grain and non-leafy vegetables	73	-0.01	73	0.00	53	-0.09	53	-0.02
Weathering removal constant of all vegetation	58	-0.06	63	-0.01	58	0.09	57	0.01
Wet foliar interception fraction of leafy vegetables	72	0.01	72	0.00	55	0.09	54	0.02

R-SQUARE 0.98 0.98 0.97 0.97

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

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

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	31	-0.23	36	-0.07	32	0.17	32	0.03
Kd of Ac-227 in Unsaturated Zone 1	80	0.01	77	0.00	23	-0.25	23	-0.04
Kd of Ac-227 in Saturated Zone	78	-0.01	78	0.00	17	0.31	17	0.05
Kd of Am-241 in Contaminated Zone	42	0.17	27	0.09	54	0.07	54	0.01
Kd of Am-241 in Unsaturated Zone 1	59	-0.08	60	-0.02	40	-0.12	41	-0.02
Kd of Am-241 in Saturated Zone	43	0.15	20	0.11	44	0.11	44	0.02
Kd of Np-237 in Contaminated Zone	70	-0.05	59	-0.02	8	-0.42	8	-0.07
Kd of Np-237 in Unsaturated Zone 1	54	-0.09	55	-0.03	61	0.05	61	0.01
Kd of Np-237 in Saturated Zone	28	-0.24	19	-0.11	25	-0.23	25	-0.04
Kd of Pa-231 in Contaminated Zone	72	-0.04	57	-0.02	6	0.53	6	0.09
Kd of Pa-231 in Unsaturated Zone 1	37	0.19	39	0.06	16	0.31	16	0.05
Kd of Pa-231 in Saturated Zone	39	0.18	37	0.07	28	-0.20	28	-0.03
Kd of Pb-210 in Contaminated Zone	26	0.25	8	0.18	7	-0.42	7	-0.07
Kd of Pb-210 in Unsaturated Zone 1	20	-0.30	5	-0.22	51	-0.08	51	-0.01
Kd of Pb-210 in Saturated Zone	29	0.24	35	0.07	10	-0.36	10	-0.06
Kd of Pu-239 in Contaminated Zone	11	-0.39	15	-0.12	60	-0.05	60	-0.01
Kd of Pu-239 in Unsaturated Zone 1	9	-0.40	17	-0.12	79	0.00	79	0.00
Kd of Pu-239 in Saturated Zone	44	0.15	53	0.03	71	0.02	71	0.00
Kd of Ra-226 in Contaminated Zone	60	-0.07	67	-0.02	73	-0.02	73	0.00
Kd of Ra-226 in Unsaturated Zone 1	58	-0.08	61	-0.02	52	0.08	52	0.01
Kd of Ra-226 in Saturated Zone	16	-0.33	11	-0.15	59	0.05	59	0.01
Kd of Tc-99 in Saturated Zone	75	0.03	76	0.01	26	-0.22	26	-0.04
Kd of Th-229 in Contaminated Zone	19	0.30	29	0.09	48	-0.09	48	-0.01
Kd of Th-229 in Unsaturated Zone 1	7	-0.42	7	-0.19	24	0.24	24	0.04
Kd of Th-229 in Saturated Zone	56	-0.08	12	-0.14	19	-0.30	19	-0.05
Kd of Th-230 in Contaminated Zone	67	0.06	69	0.02	30	0.18	31	0.03
Kd of Th-230 in Unsaturated Zone 1	76	0.02	74	0.01	53	0.08	53	0.01
Kd of Th-230 in Saturated Zone	27	0.25	41	0.06	21	-0.26	21	-0.04
Kd of U-233 in Saturated Zone	4	-0.52	6	-0.20	39	0.12	39	0.02
Kd of U-234 in Saturated Zone	25	0.25	34	0.07	35	0.14	35	0.02
Kd of U-235 in Saturated Zone	35	-0.21	10	-0.15	56	-0.07	56	-0.01
Kd of U-238 in Saturated Zone	66	0.06	18	0.11	70	-0.02	70	0.00
Plant transfer factor for Ac	36	0.20	38	0.06	22	0.25	22	0.04
Meat transfer factor for Ac	10	0.40	9	0.16	66	0.03	66	0.00
Milk transfer factor for Ac	30	-0.24	32	-0.07	34	-0.15	34	-0.02
Fish transfer factor for Ac	41	0.17	44	0.06	72	0.02	72	0.00
Plant transfer factor for Am	46	0.14	51	0.03	76	-0.01	76	0.00
Meat transfer factor for Am	79	-0.01	80	0.00	27	0.21	27	0.03
Milk transfer factor for Am	23	0.27	30	0.08	38	-0.13	38	-0.02
Fish transfer factor for Am	21	0.30	24	0.10	80	0.00	80	0.00
Plant transfer factor for Pb	50	-0.12	49	-0.04	42	-0.12	42	-0.02
Meat transfer factor for Pb	49	-0.13	48	-0.04	57	0.06	57	0.01
Milk transfer factor for Pb	22	-0.29	33	-0.07	64	0.03	64	0.00
Fish transfer factor for Pb	61	-0.07	64	-0.02	41	-0.12	40	-0.02
Plant transfer factor for Np	53	-0.10	50	-0.04	37	0.13	37	0.02
Meat transfer factor for Np	8	0.41	14	0.12	55	0.07	55	0.01
Milk transfer factor for Np	13	-0.36	25	-0.10	9	0.39	9	0.07
Fish transfer factor for Np	69	0.05	73	0.01	13	-0.35	13	-0.06
Plant transfer factor for Pu	57	0.08	66	0.02	50	-0.08	50	-0.01
Meat transfer factor for Pu	24	0.27	31	0.08	15	0.33	15	0.05
Milk transfer factor for Pu	33	0.22	43	0.06	46	-0.10	45	-0.02
Fish transfer factor for Pu	64	0.06	62	0.02	65	-0.03	65	0.00
Plant transfer factor for Pa	71	0.04	63	0.02	49	-0.09	49	-0.01
Meat transfer factor for Pa	47	0.14	42	0.06	68	0.02	68	0.00
Milk transfer factor for Pa	18	-0.33	26	-0.10	29	0.19	29	0.03
Fish transfer factor for Pa	6	0.44	16	0.12	45	0.10	46	0.01
Plant transfer factor for Ra	55	0.09	58	0.02	74	-0.02	74	0.00
Meat transfer factor for Ra	73	0.04	72	0.01	12	0.35	12	0.06
Milk transfer factor for Ra	45	0.15	52	0.03	58	0.06	58	0.01
Fish transfer factor for Ra	5	0.44	4	0.25	18	-0.31	18	-0.05
Plant transfer factor for Tc	1	0.95	1	0.78	1	0.98	1	0.77
Meat transfer factor for Tc	14	0.35	23	0.10	77	-0.01	77	0.00
Milk transfer factor for Tc	63	0.06	68	0.02	31	-0.18	30	-0.03
Fish transfer factor for Tc	15	0.34	28	0.09	36	0.14	36	0.02
Plant transfer factor for Th	34	-0.21	40	-0.06	43	0.12	43	0.02
Meat transfer factor for Th	52	0.11	47	0.04	67	0.03	67	0.00
Milk transfer factor for Th	51	0.11	56	0.03	11	-0.36	11	-0.06
Fish transfer factor for Th	32	-0.22	13	-0.13	78	-0.01	78	0.00
Plant transfer factor for U	2	0.82	2	0.38	3	0.91	3	0.34
Meat transfer factor for U	40	0.17	45	0.05	5	0.53	5	0.10
Milk transfer factor for U	12	0.38	21	0.11	4	0.57	4	0.11
Fish transfer factor for U	65	-0.06	70	-0.02	33	-0.16	33	-0.03
Well pumping rate	62	0.07	65	0.02	69	-0.02	69	0.00
Mass loading for inhalation	17	0.33	22	0.11	47	-0.09	47	-0.01
Indoor dust filtration factor	74	-0.03	75	-0.01	20	0.28	20	0.05
Depth of soil mixing layer	48	0.13	54	0.03	63	0.04	63	0.01
Depth of roots	3	-0.77	3	-0.30	2	-0.94	2	-0.44
Wet weight crop yield of fruit, grain and non-leafy vegetables	38	0.18	46	0.05	75	-0.01	75	0.00
Weathering removal constant of all vegetation	77	-0.01	79	0.00	14	-0.35	14	-0.06
Wet foliar interception fraction of leafy vegetables	68	0.06	71	0.01	62	0.05	62	0.01

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 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	64	0.07	65	0.03	41	-0.21	41	-0.05
Kd of Ac-227 in Unsaturated Zone 1	37	-0.25	44	-0.09	67	-0.06	67	-0.01
Kd of Ac-227 in Saturated Zone	22	0.35	30	0.13	65	0.06	65	0.01
Kd of Am-241 in Contaminated Zone	42	0.21	47	0.09	19	-0.34	20	-0.08
Kd of Am-241 in Unsaturated Zone 1	75	-0.02	76	-0.01	24	-0.30	25	-0.07
Kd of Am-241 in Saturated Zone	18	0.38	9	0.24	33	0.25	34	0.06
Kd of Np-237 in Contaminated Zone	31	-0.29	22	-0.18	12	-0.38	12	-0.10
Kd of Np-237 in Unsaturated Zone 1	10	-0.43	6	-0.34	9	-0.40	9	-0.10
Kd of Np-237 in Saturated Zone	7	-0.51	10	-0.24	8	-0.43	8	-0.11
Kd of Pa-231 in Contaminated Zone	74	-0.02	71	-0.01	40	0.21	40	0.05
Kd of Pa-231 in Unsaturated Zone 1	70	-0.04	63	-0.03	75	0.03	75	0.01
Kd of Pa-231 in Saturated Zone	35	-0.27	20	-0.18	28	0.27	29	0.07
Kd of Pb-210 in Contaminated Zone	20	-0.37	12	-0.19	34	0.24	33	0.06
Kd of Pb-210 in Unsaturated Zone 1	25	-0.32	23	-0.15	54	-0.17	54	-0.04
Kd of Pb-210 in Saturated Zone	19	0.37	17	0.18	55	-0.17	55	-0.04
Kd of Pu-239 in Contaminated Zone	17	0.39	13	0.19	57	-0.15	57	-0.04
Kd of Pu-239 in Unsaturated Zone 1	3	0.63	1	0.95	29	0.27	30	0.07
Kd of Pu-239 in Saturated Zone	59	-0.10	58	-0.05	50	0.18	50	0.04
Kd of Ra-226 in Contaminated Zone	41	-0.22	46	-0.09	32	-0.26	32	-0.06
Kd of Ra-226 in Unsaturated Zone 1	47	0.18	51	0.07	45	0.19	45	0.05
Kd of Ra-226 in Saturated Zone	50	0.17	53	0.07	56	0.16	56	0.04
Kd of Tc-99 in Saturated Zone	39	-0.24	43	-0.10	16	-0.35	16	-0.09
Kd of Th-229 in Contaminated Zone	56	0.12	49	0.08	15	0.37	15	0.09
Kd of Th-229 in Unsaturated Zone 1	5	-0.52	2	-0.80	20	0.34	19	0.09
Kd of Th-229 in Saturated Zone	9	0.45	5	0.39	72	-0.03	72	-0.01
Kd of Th-230 in Contaminated Zone	76	0.01	74	0.01	37	-0.22	38	-0.05
Kd of Th-230 in Unsaturated Zone 1	67	0.06	67	0.03	49	-0.18	47	-0.04
Kd of Th-230 in Saturated Zone	65	0.06	68	0.03	61	-0.13	61	-0.03
Kd of U-233 in Saturated Zone	80	0.00	80	0.00	43	0.20	42	0.05
Kd of U-234 in Saturated Zone	49	0.17	36	0.11	25	-0.30	24	-0.07
Kd of U-235 in Saturated Zone	68	0.04	69	0.02	78	0.01	78	0.00
Kd of U-238 in Saturated Zone	51	-0.16	55	-0.06	17	-0.35	17	-0.09
Plant transfer factor for Ac	60	-0.09	60	-0.04	23	0.33	22	0.08
Meat transfer factor for Ac	52	0.16	52	0.07	44	0.20	44	0.05
Milk transfer factor for Ac	14	-0.40	16	-0.19	68	0.05	68	0.01
Fish transfer factor for Ac	4	-0.52	8	-0.29	79	0.00	79	0.00
Plant transfer factor for Am	48	-0.18	54	-0.06	42	0.20	43	0.05
Meat transfer factor for Am	53	0.15	57	0.06	74	0.03	74	0.01
Milk transfer factor for Am	77	0.01	77	0.00	30	0.27	31	0.07
Fish transfer factor for Am	24	0.33	27	0.14	76	0.02	76	0.00
Plant transfer factor for Pb	62	-0.09	56	-0.06	80	0.00	80	0.00
Meat transfer factor for Pb	21	-0.36	25	-0.15	6	-0.44	6	-0.11
Milk transfer factor for Pb	36	0.26	38	0.11	51	0.17	52	0.04
Fish transfer factor for Pb	55	-0.12	40	-0.10	53	0.17	51	0.04
Plant transfer factor for Np	15	0.39	18	0.18	5	0.46	5	0.12
Meat transfer factor for Np	69	0.04	70	0.02	27	-0.28	27	-0.07
Milk transfer factor for Np	28	0.30	26	0.14	48	0.18	49	0.04
Fish transfer factor for Np	71	-0.03	72	-0.01	46	0.19	46	0.04
Plant transfer factor for Pu	54	-0.14	37	-0.11	26	-0.29	26	-0.07
Meat transfer factor for Pu	38	0.24	41	0.10	66	0.06	66	0.01
Milk transfer factor for Pu	57	0.10	59	0.04	11	-0.39	10	-0.10
Fish transfer factor for Pu	66	-0.06	64	-0.03	21	0.34	21	0.08
Plant transfer factor for Pa	73	-0.02	75	-0.01	4	0.48	4	0.13
Meat transfer factor for Pa	8	0.51	7	0.33	31	0.27	28	0.07
Milk transfer factor for Pa	40	0.22	45	0.09	22	-0.33	23	-0.08
Fish transfer factor for Pa	33	-0.28	15	-0.19	47	-0.19	48	-0.04
Plant transfer factor for Ra	30	0.29	34	0.12	77	-0.02	77	0.00
Meat transfer factor for Ra	16	-0.39	31	-0.13	18	-0.35	18	-0.09
Milk transfer factor for Ra	58	0.10	62	0.04	35	0.23	35	0.05
Fish transfer factor for Ra	12	-0.41	14	-0.19	64	0.06	64	0.01
Plant transfer factor for Tc	2	0.77	3	0.72	1	0.94	1	0.66
Meat transfer factor for Tc	45	0.20	35	0.11	39	-0.21	39	-0.05
Milk transfer factor for Tc	46	-0.19	48	-0.09	14	0.37	14	0.09
Fish transfer factor for Tc	43	-0.20	50	-0.07	62	-0.07	62	-0.02
Plant transfer factor for Th	78	0.01	78	0.00	38	-0.21	36	-0.05
Meat transfer factor for Th	63	0.09	66	0.03	60	0.13	60	0.03
Milk transfer factor for Th	61	0.09	61	0.04	59	0.14	59	0.03
Fish transfer factor for Th	27	-0.31	28	-0.14	73	-0.03	73	-0.01
Plant transfer factor for U	1	0.78	4	0.43	3	0.75	3	0.27
Meat transfer factor for U	11	0.41	19	0.18	7	0.44	7	0.11
Milk transfer factor for U	32	0.28	33	0.13	13	0.38	13	0.09
Fish transfer factor for U	44	-0.20	39	-0.10	58	0.14	58	0.03
Well pumping rate	72	-0.03	73	-0.01	36	-0.22	37	-0.05
Mass loading for inhalation	29	0.30	32	0.13	10	0.39	11	0.10
Indoor dust filtration factor	79	0.01	79	0.00	70	-0.04	70	-0.01
Depth of soil mixing layer	26	-0.31	29	-0.14	52	0.17	53	0.04
Depth of roots	6	-0.52	11	-0.20	2	-0.88	2	-0.44
Wet weight crop yield of fruit, grain and non-leafy vegetables	13	0.40	21	0.18	69	-0.05	69	-0.01
Weathering removal constant of all vegetation	34	-0.28	42	-0.10	71	-0.04	71	-0.01
Wet foliar interception fraction of leafy vegetables	23	-0.33	24	-0.15	63	-0.06	63	-0.01
R-SQUARE		0.94		0.94		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 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	44	0.17	8	0.30	59	-0.10	60	-0.02
Kd of Ac-227 in Unsaturated Zone 1	53	0.13	60	0.06	28	0.25	28	0.05
Kd of Ac-227 in Saturated Zone	35	-0.20	46	-0.08	71	0.05	71	0.01
Kd of Am-241 in Contaminated Zone	19	0.30	25	0.16	79	-0.01	79	0.00
Kd of Am-241 in Unsaturated Zone 1	41	0.18	42	0.10	53	0.12	53	0.02
Kd of Am-241 in Saturated Zone	33	-0.22	29	-0.15	40	0.18	40	0.04
Kd of Np-237 in Contaminated Zone	67	-0.07	54	-0.07	33	-0.21	36	-0.04
Kd of Np-237 in Unsaturated Zone 1	75	-0.01	75	-0.01	11	-0.44	11	-0.10
Kd of Np-237 in Saturated Zone	6	-0.46	15	-0.24	4	-0.65	4	-0.17
Kd of Pa-231 in Contaminated Zone	15	-0.32	14	-0.24	30	-0.24	30	-0.05
Kd of Pa-231 in Unsaturated Zone 1	76	-0.01	76	0.00	31	-0.22	31	-0.05
Kd of Pa-231 in Saturated Zone	62	0.08	22	0.16	62	0.09	62	0.02
Kd of Pb-210 in Contaminated Zone	57	-0.12	61	-0.06	51	0.14	50	0.03
Kd of Pb-210 in Unsaturated Zone 1	55	-0.12	27	-0.15	60	0.10	59	0.02
Kd of Pb-210 in Saturated Zone	30	-0.24	40	-0.11	5	-0.55	5	-0.13
Kd of Pu-239 in Contaminated Zone	29	-0.24	3	-0.34	34	0.21	34	0.04
Kd of Pu-239 in Unsaturated Zone 1	38	-0.20	44	-0.09	54	-0.12	54	-0.02
Kd of Pu-239 in Saturated Zone	36	-0.20	43	-0.10	42	-0.16	42	-0.03
Kd of Ra-226 in Contaminated Zone	68	-0.07	35	-0.13	80	0.00	80	0.00
Kd of Ra-226 in Unsaturated Zone 1	27	-0.25	37	-0.12	38	0.19	38	0.04
Kd of Ra-226 in Saturated Zone	11	-0.38	17	-0.22	55	0.11	55	0.02
Kd of Tc-99 in Saturated Zone	20	0.29	31	0.14	63	0.08	63	0.02
Kd of Th-229 in Contaminated Zone	58	-0.11	64	-0.05	73	-0.04	73	-0.01
Kd of Th-229 in Unsaturated Zone 1	65	-0.07	65	-0.04	43	-0.16	44	-0.03
Kd of Th-229 in Saturated Zone	61	-0.09	9	-0.28	57	0.10	57	0.02
Kd of Th-230 in Contaminated Zone	22	-0.28	10	-0.27	15	0.36	15	0.08
Kd of Th-230 in Unsaturated Zone 1	26	-0.25	23	-0.16	75	0.03	75	0.01
Kd of Th-230 in Saturated Zone	63	0.08	66	0.03	19	-0.32	19	-0.07
Kd of U-233 in Saturated Zone	60	0.11	5	0.32	29	-0.25	29	-0.05
Kd of U-234 in Saturated Zone	28	0.25	34	0.14	21	-0.31	21	-0.07
Kd of U-235 in Saturated Zone	72	0.02	72	0.02	68	-0.07	68	-0.01
Kd of U-238 in Saturated Zone	52	-0.14	50	-0.08	67	-0.08	67	-0.02
Plant transfer factor for Ac	16	0.32	24	0.16	66	-0.08	66	-0.02
Meat transfer factor for Ac	46	-0.16	52	-0.07	56	-0.11	56	-0.02
Milk transfer factor for Ac	73	0.02	73	0.01	50	0.14	51	0.03
Fish transfer factor for Ac	31	0.23	30	0.14	9	0.48	9	0.11
Plant transfer factor for Am	80	0.00	80	0.00	12	-0.37	12	-0.08
Meat transfer factor for Am	34	-0.20	39	-0.11	18	0.34	18	0.07
Milk transfer factor for Am	59	-0.11	63	-0.05	76	-0.02	76	0.00
Fish transfer factor for Am	24	-0.27	32	-0.14	22	0.31	22	0.06
Plant transfer factor for Pb	37	0.20	38	0.11	49	-0.14	49	-0.03
Meat transfer factor for Pb	17	0.31	21	0.17	8	0.49	8	0.11
Milk transfer factor for Pb	18	-0.31	20	-0.19	17	-0.34	16	-0.08
Fish transfer factor for Pb	5	-0.46	19	-0.21	20	0.32	20	0.07
Plant transfer factor for Np	10	-0.41	16	-0.23	70	-0.06	70	-0.01
Meat transfer factor for Np	69	-0.07	70	-0.03	78	-0.01	78	0.00
Milk transfer factor for Np	70	-0.06	71	-0.02	77	-0.02	77	0.00
Fish transfer factor for Np	56	0.12	62	0.05	45	-0.16	46	-0.03
Plant transfer factor for Pu	42	-0.17	53	-0.07	61	-0.10	61	-0.02
Meat transfer factor for Pu	48	0.16	55	0.06	13	-0.37	13	-0.08
Milk transfer factor for Pu	50	0.14	56	0.06	69	0.06	69	0.01
Fish transfer factor for Pu	43	0.17	47	0.08	74	0.04	74	0.01
Plant transfer factor for Pa	47	0.16	48	0.08	65	0.08	65	0.02
Meat transfer factor for Pa	4	-0.46	6	-0.32	25	-0.29	25	-0.06
Milk transfer factor for Pa	21	0.29	33	0.14	35	-0.21	33	-0.04
Fish transfer factor for Pa	8	0.42	7	0.32	52	0.13	52	0.03
Plant transfer factor for Ra	7	0.43	18	0.22	36	0.21	35	0.04
Meat transfer factor for Ra	51	0.14	57	0.06	48	0.15	48	0.03
Milk transfer factor for Ra	71	-0.05	69	-0.03	44	-0.16	43	-0.03
Fish transfer factor for Ra	40	0.19	51	0.08	16	-0.35	17	-0.08
Plant transfer factor for Tc	1	0.84	1	0.69	1	0.96	1	0.71
Meat transfer factor for Tc	78	0.00	79	0.00	23	0.30	23	0.06
Milk transfer factor for Tc	49	-0.15	59	-0.06	37	0.21	37	0.04
Fish transfer factor for Tc	79	0.00	78	0.00	41	-0.17	41	-0.04
Plant transfer factor for Th	3	0.48	4	0.34	47	0.16	47	0.03
Meat transfer factor for Th	23	-0.27	36	-0.13	27	0.27	27	0.06
Milk transfer factor for Th	74	0.02	74	0.01	10	0.44	10	0.10
Fish transfer factor for Th	25	0.25	11	0.27	58	0.10	58	0.02
Plant transfer factor for U	13	0.34	26	0.15	3	0.72	3	0.21
Meat transfer factor for U	9	0.41	12	0.24	6	0.51	6	0.12
Milk transfer factor for U	12	0.36	13	0.24	24	0.30	24	0.06
Fish transfer factor for U	66	-0.07	68	-0.03	39	-0.18	39	-0.04
Well pumping rate	54	-0.12	58	-0.06	7	-0.50	7	-0.12
Mass loading for inhalation	32	0.22	41	0.10	14	0.36	14	0.08
Indoor dust filtration factor	39	-0.19	45	-0.09	64	0.08	64	0.02
Depth of soil mixing layer	45	0.17	49	0.08	46	0.16	45	0.03
Depth of roots	2	-0.61	2	-0.36	2	-0.91	2	-0.45
Wet weight crop yield of fruit, grain and non-leafy vegetables	64	0.07	67	0.03	32	-0.22	32	-0.04
Weathering removal constant of all vegetation	14	-0.33	28	-0.15	72	0.05	72	0.01
Wet foliar interception fraction of leafy vegetables	77	0.00	77	0.00	26	-0.27	26	-0.06

R-SQUARE 0.92 0.92 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 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	27	0.20	26	0.09	61	0.07	61	0.02
Kd of Ac-227 in Unsaturated Zone 1	38	0.15	20	0.11	17	-0.29	17	-0.08
Kd of Ac-227 in Saturated Zone	17	-0.22	17	-0.13	42	0.14	42	0.04
Kd of Am-241 in Contaminated Zone	5	0.40	2	0.39	20	0.25	20	0.07
Kd of Am-241 in Unsaturated Zone 1	32	-0.17	37	-0.07	60	0.07	60	0.02
Kd of Am-241 in Saturated Zone	56	-0.06	39	-0.07	66	-0.05	66	-0.01
Kd of Np-237 in Contaminated Zone	22	-0.21	14	-0.14	5	-0.53	5	-0.17
Kd of Np-237 in Unsaturated Zone 1	58	0.06	59	0.03	8	-0.36	8	-0.10
Kd of Np-237 in Saturated Zone	12	-0.25	7	-0.19	4	-0.61	4	-0.20
Kd of Pa-231 in Contaminated Zone	79	0.00	78	0.00	37	0.17	37	0.05
Kd of Pa-231 in Unsaturated Zone 1	80	0.00	80	0.00	27	0.22	27	0.06
Kd of Pa-231 in Saturated Zone	61	-0.05	57	-0.03	41	0.14	41	0.04
Kd of Pb-210 in Contaminated Zone	33	0.17	8	0.18	77	-0.01	77	0.00
Kd of Pb-210 in Unsaturated Zone 1	34	-0.16	9	-0.18	38	-0.14	38	-0.04
Kd of Pb-210 in Saturated Zone	10	0.30	13	0.14	33	-0.18	33	-0.05
Kd of Pu-239 in Contaminated Zone	50	-0.08	56	-0.04	23	-0.22	24	-0.06
Kd of Pu-239 in Unsaturated Zone 1	9	-0.32	12	-0.15	70	0.02	70	0.01
Kd of Pu-239 in Saturated Zone	42	0.12	49	0.04	75	-0.01	75	0.00
Kd of Ra-226 in Contaminated Zone	21	-0.21	35	-0.08	57	-0.08	58	-0.02
Kd of Ra-226 in Unsaturated Zone 1	25	-0.20	33	-0.08	65	0.05	65	0.01
Kd of Ra-226 in Saturated Zone	54	0.06	50	0.04	80	0.00	80	0.00
Kd of Tc-99 in Saturated Zone	41	-0.14	42	-0.07	62	-0.06	62	-0.02
Kd of Th-229 in Contaminated Zone	23	0.20	28	0.09	74	0.01	74	0.00
Kd of Th-229 in Unsaturated Zone 1	24	-0.20	16	-0.13	48	-0.11	47	-0.03
Kd of Th-229 in Saturated Zone	65	-0.04	25	-0.10	55	-0.09	55	-0.02
Kd of Th-230 in Contaminated Zone	7	-0.34	11	-0.15	25	0.22	26	0.06
Kd of Th-230 in Unsaturated Zone 1	66	0.03	65	0.02	63	0.06	63	0.02
Kd of Th-230 in Saturated Zone	20	0.21	32	0.08	45	-0.11	45	-0.03
Kd of U-233 in Saturated Zone	31	-0.18	27	-0.09	47	-0.11	48	-0.03
Kd of U-234 in Saturated Zone	62	-0.05	64	-0.02	26	0.22	25	0.06
Kd of U-235 in Saturated Zone	72	-0.02	62	-0.03	10	-0.33	11	-0.09
Kd of U-238 in Saturated Zone	76	0.00	72	-0.01	36	-0.17	36	-0.05
Plant transfer factor for Ac	59	0.06	58	0.03	76	0.01	76	0.00
Meat transfer factor for Ac	11	0.27	10	0.16	19	0.25	19	0.07
Milk transfer factor for Ac	18	-0.22	24	-0.11	39	-0.14	39	-0.04
Fish transfer factor for Ac	73	0.02	74	0.01	24	0.22	23	0.06
Plant transfer factor for Am	52	0.07	61	0.03	69	-0.03	69	-0.01
Meat transfer factor for Am	78	0.00	79	0.00	21	0.24	22	0.07
Milk transfer factor for Am	39	0.15	41	0.07	14	-0.30	15	-0.09
Fish transfer factor for Am	51	0.07	53	0.04	12	-0.31	12	-0.09
Plant transfer factor for Pb	77	0.00	77	0.00	50	0.10	50	0.03
Meat transfer factor for Pb	6	0.37	5	0.21	44	0.12	44	0.03
Milk transfer factor for Pb	43	-0.11	48	-0.04	68	0.04	67	0.01
Fish transfer factor for Pb	64	0.04	67	0.02	79	0.00	79	0.00
Plant transfer factor for Np	55	0.06	55	0.04	31	-0.20	31	-0.05
Meat transfer factor for Np	14	0.24	23	0.11	46	-0.11	46	-0.03
Milk transfer factor for Np	35	-0.15	43	-0.06	56	0.08	56	0.02
Fish transfer factor for Np	53	-0.07	60	-0.03	58	-0.08	57	-0.02
Plant transfer factor for Pu	45	0.11	51	0.04	67	0.04	68	0.01
Meat transfer factor for Pu	28	0.19	31	0.08	30	0.20	30	0.05
Milk transfer factor for Pu	74	0.01	76	0.01	29	-0.20	28	-0.06
Fish transfer factor for Pu	46	-0.11	45	-0.05	52	0.09	52	0.03
Plant transfer factor for Pa	68	0.03	66	0.02	73	0.01	73	0.00
Meat transfer factor for Pa	29	0.18	18	0.13	35	0.17	35	0.05
Milk transfer factor for Pa	16	-0.23	22	-0.11	78	0.01	78	0.00
Fish transfer factor for Pa	48	0.09	54	0.04	40	0.14	40	0.04
Plant transfer factor for Ra	8	0.32	15	0.14	64	0.05	64	0.01
Meat transfer factor for Ra	75	-0.01	75	-0.01	28	0.20	29	0.06
Milk transfer factor for Ra	19	0.21	34	0.08	71	-0.02	71	-0.01
Fish transfer factor for Ra	49	0.09	38	0.07	16	-0.30	16	-0.08
Plant transfer factor for Tc	1	0.83	1	0.60	1	0.94	1	0.71
Meat transfer factor for Tc	13	0.25	19	0.12	18	0.27	18	0.08
Milk transfer factor for Tc	26	-0.20	30	-0.08	15	-0.30	13	-0.09
Fish transfer factor for Tc	57	-0.06	63	-0.02	51	0.10	51	0.03
Plant transfer factor for Th	70	-0.03	69	-0.01	32	0.19	32	0.05
Meat transfer factor for Th	40	-0.14	29	-0.09	43	-0.13	43	-0.03
Milk transfer factor for Th	47	-0.10	52	-0.04	54	-0.09	54	-0.02
Fish transfer factor for Th	60	-0.06	46	-0.05	59	0.07	59	0.02
Plant transfer factor for U	2	0.66	3	0.38	3	0.65	3	0.23
Meat transfer factor for U	36	-0.15	40	-0.07	11	0.33	10	0.09
Milk transfer factor for U	3	0.45	4	0.22	6	0.42	6	0.12
Fish transfer factor for U	30	-0.18	36	-0.08	49	-0.11	49	-0.03
Well pumping rate	67	-0.03	70	-0.01	34	-0.18	34	-0.05
Mass loading for inhalation	71	0.02	73	0.01	72	-0.02	72	0.00
Indoor dust filtration factor	15	0.24	21	0.11	9	0.33	9	0.09
Depth of soil mixing layer	44	-0.11	47	-0.05	13	-0.31	14	-0.09
Depth of roots	4	-0.44	6	-0.19	2	-0.81	2	-0.37
Wet weight crop yield of fruit, grain and non-leafy vegetables	69	-0.03	71	-0.01	22	0.24	21	0.07
Weathering removal constant of all vegetation	63	0.04	68	0.02	7	-0.37	7	-0.11
Wet foliar interception fraction of leafy vegetables	37	0.15	44	0.06	53	-0.09	53	-0.02
R-SQUARE		0.93		0.93		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 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	10	0.31	16	0.33	3	0.64	3	0.15
Kd of Ac-227 in Unsaturated Zone 1	64	0.05	67	0.04	40	0.25	39	0.05
Kd of Ac-227 in Saturated Zone	29	-0.19	40	-0.17	46	0.20	46	0.04
Kd of Am-241 in Contaminated Zone	75	0.01	75	0.01	67	-0.10	67	-0.02
Kd of Am-241 in Unsaturated Zone 1	3	0.39	4	0.55	16	0.38	16	0.07
Kd of Am-241 in Saturated Zone	32	-0.17	22	-0.24	31	0.27	32	0.05
Kd of Np-237 in Contaminated Zone	6	0.36	5	0.54	1	0.97	1	0.75
Kd of Np-237 in Unsaturated Zone 1	25	0.21	13	0.37	23	0.34	23	0.06
Kd of Np-237 in Saturated Zone	4	0.39	12	0.40	58	0.13	58	0.02
Kd of Pa-231 in Contaminated Zone	12	0.30	6	0.53	2	0.93	2	0.43
Kd of Pa-231 in Unsaturated Zone 1	41	-0.14	19	-0.28	13	-0.39	13	-0.08
Kd of Pa-231 in Saturated Zone	66	-0.04	58	-0.07	35	-0.26	35	-0.05
Kd of Pb-210 in Contaminated Zone	36	0.15	37	0.18	8	0.43	8	0.08
Kd of Pb-210 in Unsaturated Zone 1	60	0.06	61	0.06	43	-0.23	43	-0.04
Kd of Pb-210 in Saturated Zone	28	-0.19	32	-0.21	15	-0.38	15	-0.07
Kd of Pu-239 in Contaminated Zone	27	-0.19	31	-0.22	10	-0.41	10	-0.08
Kd of Pu-239 in Unsaturated Zone 1	31	-0.17	7	-0.49	41	-0.25	41	-0.05
Kd of Pu-239 in Saturated Zone	33	0.17	33	0.21	63	0.11	63	0.02
Kd of Ra-226 in Contaminated Zone	8	0.33	14	0.33	5	0.59	5	0.13
Kd of Ra-226 in Unsaturated Zone 1	58	-0.06	62	-0.06	32	0.27	31	0.05
Kd of Ra-226 in Saturated Zone	34	0.16	43	0.15	69	0.08	69	0.01
Kd of Tc-99 in Saturated Zone	78	0.01	78	0.01	33	0.27	33	0.05
Kd of Th-229 in Contaminated Zone	53	0.08	45	0.14	55	-0.16	55	-0.03
Kd of Th-229 in Unsaturated Zone 1	20	0.23	1	0.75	27	0.31	27	0.06
Kd of Th-229 in Saturated Zone	22	-0.23	8	-0.43	79	0.01	79	0.00
Kd of Th-230 in Contaminated Zone	35	-0.15	29	-0.22	4	0.60	4	0.13
Kd of Th-230 in Unsaturated Zone 1	17	-0.25	17	-0.29	11	-0.40	12	-0.08
Kd of Th-230 in Saturated Zone	74	0.02	74	0.02	59	-0.12	59	-0.02
Kd of U-233 in Saturated Zone	72	-0.02	73	-0.02	38	-0.26	36	-0.05
Kd of U-234 in Saturated Zone	56	0.07	53	0.10	19	0.35	18	0.07
Kd of U-235 in Saturated Zone	11	-0.31	9	-0.42	50	0.19	48	0.03
Kd of U-238 in Saturated Zone	63	-0.05	66	-0.04	37	0.26	38	0.05
Plant transfer factor for Ac	73	0.02	71	0.02	21	0.35	20	0.07
Meat transfer factor for Ac	70	-0.03	69	-0.03	80	0.01	80	0.00
Milk transfer factor for Ac	69	0.03	68	0.03	47	-0.20	47	-0.04
Fish transfer factor for Ac	7	0.34	11	0.40	64	0.11	64	0.02
Plant transfer factor for Am	23	0.23	35	0.19	68	0.09	68	0.02
Meat transfer factor for Am	68	0.03	70	0.03	29	-0.28	29	-0.05
Milk transfer factor for Am	51	0.11	50	0.12	24	-0.34	24	-0.06
Fish transfer factor for Am	65	0.05	65	0.04	9	-0.42	9	-0.08
Plant transfer factor for Pb	42	-0.13	27	-0.22	62	0.12	62	0.02
Meat transfer factor for Pb	45	0.13	51	0.11	6	0.50	6	0.10
Milk transfer factor for Pb	77	-0.01	77	-0.01	25	0.33	25	0.06
Fish transfer factor for Pb	49	0.11	25	0.22	28	-0.30	28	-0.06
Plant transfer factor for Np	30	0.18	36	0.18	72	0.07	72	0.01
Meat transfer factor for Np	79	-0.01	79	-0.01	76	0.03	76	0.01
Milk transfer factor for Np	61	0.06	60	0.06	74	0.06	74	0.01
Fish transfer factor for Np	76	-0.01	76	-0.01	48	0.19	49	0.03
Plant transfer factor for Pu	47	-0.12	30	-0.22	78	-0.02	78	0.00
Meat transfer factor for Pu	80	0.00	80	0.00	45	-0.21	45	-0.04
Milk transfer factor for Pu	5	-0.37	10	-0.42	66	-0.10	65	-0.02
Fish transfer factor for Pu	67	-0.04	63	-0.05	56	-0.14	56	-0.03
Plant transfer factor for Pa	37	0.15	42	0.15	73	0.06	73	0.01
Meat transfer factor for Pa	2	-0.39	3	-0.56	34	-0.26	34	-0.05
Milk transfer factor for Pa	19	-0.25	23	-0.24	39	-0.25	40	-0.05
Fish transfer factor for Pa	50	-0.11	41	-0.17	18	0.35	19	0.07
Plant transfer factor for Ra	21	-0.23	26	-0.22	36	-0.26	37	-0.05
Meat transfer factor for Ra	71	0.03	72	0.02	44	-0.21	44	-0.04
Milk transfer factor for Ra	24	-0.21	34	-0.20	20	-0.35	21	-0.07
Fish transfer factor for Ra	44	0.13	46	0.13	22	0.34	22	0.06
Plant transfer factor for Tc	62	0.05	56	0.08	17	-0.36	17	-0.07
Meat transfer factor for Tc	1	-0.47	2	-0.69	54	-0.16	53	-0.03
Milk transfer factor for Tc	55	0.07	57	0.07	60	0.12	61	0.02
Fish transfer factor for Tc	18	0.25	28	0.22	7	0.45	7	0.09
Plant transfer factor for Th	54	-0.08	55	-0.09	12	0.40	11	0.08
Meat transfer factor for Th	26	0.21	39	0.17	51	0.19	51	0.03
Milk transfer factor for Th	48	0.11	52	0.11	71	-0.08	71	-0.01
Fish transfer factor for Th	43	0.13	47	0.13	53	0.16	54	0.03
Plant transfer factor for U	13	-0.29	21	-0.26	61	-0.12	60	-0.02
Meat transfer factor for U	9	-0.32	15	-0.33	70	0.08	70	0.01
Milk transfer factor for U	14	-0.27	18	-0.28	42	-0.23	42	-0.04
Fish transfer factor for U	40	-0.14	38	-0.18	30	-0.27	30	-0.05
Well pumping rate	16	-0.26	24	-0.22	52	-0.17	52	-0.03
Mass loading for inhalation	15	-0.26	20	-0.27	14	-0.38	14	-0.07
Indoor dust filtration factor	39	-0.15	44	-0.14	75	0.05	75	0.01
Depth of soil mixing layer	52	0.10	54	0.10	26	0.33	26	0.06
Depth of roots	38	-0.15	49	-0.12	65	-0.10	66	-0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	57	-0.07	59	-0.06	77	-0.03	77	-0.01
Weathering removal constant of all vegetation	59	0.06	64	0.05	57	-0.13	57	-0.02
Wet foliar interception fraction of leafy vegetables	46	0.12	48	0.12	49	-0.19	50	-0.03
R-SQUARE		0.65		0.65		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 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	22	0.29	4	0.97	5	0.49	5	0.11
Kd of Ac-227 in Unsaturated Zone 1	44	-0.17	45	-0.14	17	0.28	17	0.06
Kd of Ac-227 in Saturated Zone	19	-0.31	29	-0.24	43	0.14	43	0.03
Kd of Am-241 in Contaminated Zone	36	-0.21	36	-0.20	7	-0.39	7	-0.09
Kd of Am-241 in Unsaturated Zone 1	71	-0.05	70	-0.05	60	0.06	60	0.01
Kd of Am-241 in Saturated Zone	38	0.20	27	0.24	25	-0.23	25	-0.05
Kd of Np-237 in Contaminated Zone	10	0.36	6	0.67	1	0.96	1	0.70
Kd of Np-237 in Unsaturated Zone 1	80	0.00	80	0.00	57	0.07	57	0.01
Kd of Np-237 in Saturated Zone	39	0.19	40	0.16	73	0.03	73	0.01
Kd of Pa-231 in Contaminated Zone	15	0.34	11	0.45	2	0.91	2	0.45
Kd of Pa-231 in Unsaturated Zone 1	49	-0.14	43	-0.14	65	-0.04	66	-0.01
Kd of Pa-231 in Saturated Zone	16	-0.33	3	-1.22	64	-0.05	64	-0.01
Kd of Pb-210 in Contaminated Zone	57	0.10	56	0.09	20	0.26	20	0.06
Kd of Pb-210 in Unsaturated Zone 1	53	-0.11	26	-0.25	35	0.18	35	0.04
Kd of Pb-210 in Saturated Zone	42	-0.17	46	-0.14	69	-0.04	69	-0.01
Kd of Pu-239 in Contaminated Zone	50	-0.13	21	-0.32	29	0.20	29	0.04
Kd of Pu-239 in Unsaturated Zone 1	54	0.10	57	0.09	26	0.22	26	0.05
Kd of Pu-239 in Saturated Zone	12	0.35	20	0.33	77	-0.02	77	0.00
Kd of Ra-226 in Contaminated Zone	27	0.26	5	0.93	24	0.25	24	0.05
Kd of Ra-226 in Unsaturated Zone 1	46	0.16	47	0.13	47	0.11	47	0.02
Kd of Ra-226 in Saturated Zone	21	0.30	23	0.30	6	0.39	6	0.09
Kd of Tc-99 in Saturated Zone	5	-0.40	18	-0.36	76	-0.03	76	-0.01
Kd of Th-229 in Contaminated Zone	48	0.15	53	0.11	16	-0.30	16	-0.06
Kd of Th-229 in Unsaturated Zone 1	8	-0.36	14	-0.40	72	0.03	72	0.01
Kd of Th-229 in Saturated Zone	31	0.24	2	1.31	46	0.12	46	0.02
Kd of Th-230 in Contaminated Zone	77	0.01	77	0.02	3	0.81	3	0.28
Kd of Th-230 in Unsaturated Zone 1	4	0.41	10	0.49	39	0.15	39	0.03
Kd of Th-230 in Saturated Zone	3	0.42	19	0.34	51	-0.09	51	-0.02
Kd of U-233 in Saturated Zone	30	-0.24	1	-1.33	55	-0.08	55	-0.02
Kd of U-234 in Saturated Zone	45	0.16	41	0.16	78	-0.02	78	0.00
Kd of U-235 in Saturated Zone	7	-0.38	7	-0.65	75	-0.03	75	-0.01
Kd of U-238 in Saturated Zone	75	-0.03	73	-0.02	10	-0.35	10	-0.08
Plant transfer factor for Ac	63	-0.09	63	-0.07	58	-0.07	58	-0.01
Meat transfer factor for Ac	61	0.09	64	0.07	12	-0.32	13	-0.07
Milk transfer factor for Ac	13	-0.34	22	-0.31	50	-0.10	50	-0.02
Fish transfer factor for Ac	1	0.46	8	0.57	63	-0.05	63	-0.01
Plant transfer factor for Am	70	0.05	72	0.04	41	0.14	41	0.03
Meat transfer factor for Am	35	-0.22	34	-0.21	14	-0.31	15	-0.07
Milk transfer factor for Am	78	0.01	78	0.01	59	0.06	59	0.01
Fish transfer factor for Am	6	0.39	15	0.39	36	0.17	37	0.04
Plant transfer factor for Pb	23	-0.29	24	-0.30	19	0.26	19	0.06
Meat transfer factor for Pb	9	-0.36	17	-0.36	8	-0.37	8	-0.08
Milk transfer factor for Pb	34	0.22	30	0.24	40	0.15	40	0.03
Fish transfer factor for Pb	40	0.18	49	0.13	21	-0.25	21	-0.05
Plant transfer factor for Np	62	0.09	59	0.08	48	-0.10	48	-0.02
Meat transfer factor for Np	41	-0.18	50	-0.12	31	0.20	31	0.04
Milk transfer factor for Np	65	0.08	67	0.06	44	0.14	44	0.03
Fish transfer factor for Np	58	0.10	62	0.07	52	-0.09	52	-0.02
Plant transfer factor for Pu	28	0.25	38	0.18	42	-0.14	42	-0.03
Meat transfer factor for Pu	25	0.28	32	0.21	4	0.52	4	0.12
Milk transfer factor for Pu	69	0.06	69	0.05	11	-0.33	11	-0.07
Fish transfer factor for Pu	76	-0.02	76	-0.02	33	-0.18	33	-0.04
Plant transfer factor for Pa	66	-0.07	66	-0.06	28	0.21	28	0.04
Meat transfer factor for Pa	18	0.32	16	0.36	34	0.18	34	0.04
Milk transfer factor for Pa	20	-0.30	25	-0.26	49	-0.10	49	-0.02
Fish transfer factor for Pa	14	-0.34	12	-0.44	67	-0.04	67	-0.01
Plant transfer factor for Ra	74	-0.03	75	-0.02	38	-0.16	38	-0.03
Meat transfer factor for Ra	60	0.09	61	0.08	18	0.27	18	0.06
Milk transfer factor for Ra	52	0.11	52	0.11	53	0.08	53	0.02
Fish transfer factor for Ra	24	-0.28	33	-0.21	23	0.25	23	0.05
Plant transfer factor for Tc	59	0.10	60	0.08	74	-0.03	74	-0.01
Meat transfer factor for Tc	32	-0.24	42	-0.15	45	0.12	45	0.02
Milk transfer factor for Tc	17	-0.33	28	-0.24	9	-0.35	9	-0.08
Fish transfer factor for Tc	68	0.06	68	0.05	66	-0.04	65	-0.01
Plant transfer factor for Th	2	-0.43	9	-0.52	80	0.00	80	0.00
Meat transfer factor for Th	51	0.13	54	0.10	22	-0.25	22	-0.05
Milk transfer factor for Th	47	-0.15	48	-0.13	54	-0.08	54	-0.02
Fish transfer factor for Th	67	0.06	51	0.12	15	0.31	14	0.07
Plant transfer factor for U	29	0.24	37	0.19	27	-0.22	27	-0.05
Meat transfer factor for U	72	-0.04	71	-0.04	70	0.03	70	0.01
Milk transfer factor for U	11	-0.35	13	-0.43	32	0.19	32	0.04
Fish transfer factor for U	56	0.10	58	0.08	61	0.06	61	0.01
Well pumping rate	55	0.10	55	0.10	71	0.03	71	0.01
Mass loading for inhalation	43	-0.17	44	-0.14	56	0.08	56	0.02
Indoor dust filtration factor	64	0.08	65	0.07	37	-0.17	36	-0.04
Depth of soil mixing layer	37	0.20	39	0.17	79	-0.01	79	0.00
Depth of roots	79	0.01	79	0.01	30	-0.20	30	-0.04
Wet weight crop yield of fruit, grain and non-leafy vegetables	73	-0.03	74	-0.02	62	-0.06	62	-0.01
Weathering removal constant of all vegetation	26	0.27	31	0.21	68	-0.04	68	-0.01
Wet foliar interception fraction of leafy vegetables	33	-0.23	35	-0.21	13	-0.32	12	-0.07

R-SQUARE 0.76 0.76 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	75	-0.02	76	-0.02	4	0.63	4	0.15
Kd of Ac-227 in Unsaturated Zone 1	47	-0.15	21	-0.20	54	0.13	54	0.03
Kd of Ac-227 in Saturated Zone	37	0.19	23	0.20	13	0.43	12	0.09
Kd of Am-241 in Contaminated Zone	56	0.11	33	0.17	65	0.07	65	0.01
Kd of Am-241 in Unsaturated Zone 1	80	0.00	80	0.00	8	0.55	8	0.13
Kd of Am-241 in Saturated Zone	76	-0.02	72	-0.04	37	0.23	37	0.05
Kd of Np-237 in Contaminated Zone	2	0.60	3	0.87	1	0.96	1	0.66
Kd of Np-237 in Unsaturated Zone 1	52	-0.13	54	-0.11	40	-0.19	41	-0.04
Kd of Np-237 in Saturated Zone	8	-0.33	6	-0.44	58	-0.12	58	-0.02
Kd of Pa-231 in Contaminated Zone	23	0.23	10	0.37	2	0.92	2	0.46
Kd of Pa-231 in Unsaturated Zone 1	34	0.20	30	0.19	69	-0.06	70	-0.01
Kd of Pa-231 in Saturated Zone	31	-0.21	17	-0.23	23	0.36	23	0.07
Kd of Pb-210 in Contaminated Zone	61	0.09	31	0.18	53	-0.13	53	-0.03
Kd of Pb-210 in Unsaturated Zone 1	68	-0.08	43	-0.15	21	-0.37	21	-0.08
Kd of Pb-210 in Saturated Zone	1	-0.61	4	-0.61	16	-0.41	16	-0.09
Kd of Pu-239 in Contaminated Zone	32	-0.21	38	-0.17	73	-0.04	73	-0.01
Kd of Pu-239 in Unsaturated Zone 1	40	-0.18	47	-0.14	31	-0.30	32	-0.06
Kd of Pu-239 in Saturated Zone	38	0.19	52	0.12	28	0.32	28	0.07
Kd of Ra-226 in Contaminated Zone	36	0.20	49	0.13	30	0.32	30	0.06
Kd of Ra-226 in Unsaturated Zone 1	70	-0.06	70	-0.04	66	-0.07	66	-0.01
Kd of Ra-226 in Saturated Zone	10	-0.31	8	-0.38	20	0.38	20	0.08
Kd of Tc-99 in Saturated Zone	22	0.23	27	0.19	34	0.28	34	0.06
Kd of Th-229 in Contaminated Zone	51	-0.13	55	-0.11	45	-0.17	45	-0.03
Kd of Th-229 in Unsaturated Zone 1	19	0.25	11	0.29	22	0.36	22	0.08
Kd of Th-229 in Saturated Zone	4	-0.45	1	-2.38	52	0.14	51	0.03
Kd of Th-230 in Contaminated Zone	27	0.22	36	0.17	3	0.80	3	0.26
Kd of Th-230 in Unsaturated Zone 1	7	-0.33	9	-0.38	80	0.01	80	0.00
Kd of Th-230 in Saturated Zone	46	0.16	53	0.11	24	-0.36	24	-0.07
Kd of U-233 in Saturated Zone	29	-0.22	20	-0.20	75	0.04	75	0.01
Kd of U-234 in Saturated Zone	54	0.12	56	0.09	17	0.41	17	0.09
Kd of U-235 in Saturated Zone	78	0.00	77	0.01	6	0.61	6	0.15
Kd of U-238 in Saturated Zone	5	0.40	2	2.35	76	-0.03	76	-0.01
Plant transfer factor for Ac	48	-0.15	48	-0.14	19	-0.39	18	-0.08
Meat transfer factor for Ac	69	-0.08	59	-0.08	60	0.10	60	0.02
Milk transfer factor for Ac	65	0.08	65	0.07	61	0.10	61	0.02
Fish transfer factor for Ac	77	-0.01	78	-0.01	57	-0.12	56	-0.02
Plant transfer factor for Am	24	-0.23	42	-0.16	56	0.12	57	0.02
Meat transfer factor for Am	28	0.22	32	0.17	5	0.62	5	0.15
Milk transfer factor for Am	67	-0.08	66	-0.06	26	0.35	26	0.07
Fish transfer factor for Am	64	-0.08	61	-0.08	49	0.14	49	0.03
Plant transfer factor for Pb	17	0.26	13	0.26	18	0.39	19	0.08
Meat transfer factor for Pb	12	-0.28	12	-0.28	74	-0.04	74	-0.01
Milk transfer factor for Pb	50	-0.14	57	-0.09	47	-0.15	47	-0.03
Fish transfer factor for Pb	9	-0.33	14	-0.25	50	-0.14	50	-0.03
Plant transfer factor for Np	25	0.23	15	0.24	48	0.15	48	0.03
Meat transfer factor for Np	73	0.04	74	0.03	15	0.41	15	0.09
Milk transfer factor for Np	26	-0.23	37	-0.17	39	-0.19	40	-0.04
Fish transfer factor for Np	35	0.20	46	0.14	59	-0.10	59	-0.02
Plant transfer factor for Pu	11	0.30	26	0.19	12	0.44	13	0.09
Meat transfer factor for Pu	15	-0.26	18	-0.21	72	0.05	72	0.01
Milk transfer factor for Pu	30	-0.21	40	-0.16	55	-0.12	55	-0.02
Fish transfer factor for Pu	74	0.02	75	0.02	78	-0.02	78	0.00
Plant transfer factor for Pa	45	-0.17	24	-0.20	42	-0.18	42	-0.04
Meat transfer factor for Pa	49	-0.14	34	-0.17	70	0.06	69	0.01
Milk transfer factor for Pa	79	0.00	79	0.00	68	0.06	68	0.01
Fish transfer factor for Pa	21	0.24	35	0.17	32	0.30	33	0.06
Plant transfer factor for Ra	33	-0.20	44	-0.15	44	-0.17	44	-0.03
Meat transfer factor for Ra	72	0.04	71	0.04	63	0.08	63	0.02
Milk transfer factor for Ra	18	0.25	39	0.16	79	-0.02	79	0.00
Fish transfer factor for Ra	6	0.37	5	0.55	38	-0.20	38	-0.04
Plant transfer factor for Tc	3	0.48	7	0.39	51	0.14	52	0.03
Meat transfer factor for Tc	39	-0.18	45	-0.14	11	-0.46	11	-0.10
Milk transfer factor for Tc	58	-0.10	63	-0.07	33	0.29	31	0.06
Fish transfer factor for Tc	44	0.17	51	0.13	77	-0.03	77	-0.01
Plant transfer factor for Th	60	0.10	58	0.08	64	0.08	64	0.01
Meat transfer factor for Th	43	0.17	29	0.19	7	0.59	7	0.14
Milk transfer factor for Th	13	0.28	28	0.19	62	-0.09	62	-0.02
Fish transfer factor for Th	53	-0.13	19	-0.21	43	0.18	43	0.03
Plant transfer factor for U	16	-0.26	25	-0.20	41	-0.19	39	-0.04
Meat transfer factor for U	14	0.28	16	0.23	71	-0.06	71	-0.01
Milk transfer factor for U	71	0.05	73	0.04	29	-0.32	29	-0.06
Fish transfer factor for U	62	-0.08	67	-0.06	10	0.50	10	0.11
Well pumping rate	57	-0.10	62	-0.07	14	-0.42	14	-0.09
Mass loading for inhalation	41	0.18	41	0.16	46	-0.16	46	-0.03
Indoor dust filtration factor	20	-0.25	22	-0.20	35	-0.25	35	-0.05
Depth of soil mixing layer	55	-0.11	60	-0.08	36	0.25	36	0.05
Depth of roots	63	-0.08	68	-0.06	67	-0.07	67	-0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	59	0.10	64	0.07	9	-0.54	9	-0.13
Weathering removal constant of all vegetation	66	-0.08	69	-0.06	27	-0.32	27	-0.07
Wet foliar interception fraction of leafy vegetables	42	-0.17	50	-0.13	25	-0.35	25	-0.07

R-SQUARE 0.80 0.80 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 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	31	-0.12	36	-0.02	72	-0.03	72	0.00
Kd of Ac-227 in Unsaturated Zone 1	27	0.14	34	0.02	67	0.05	67	0.00
Kd of Ac-227 in Saturated Zone	9	-0.30	14	-0.05	43	0.14	44	0.01
Kd of Am-241 in Contaminated Zone	43	0.08	45	0.01	19	-0.23	20	-0.02
Kd of Am-241 in Unsaturated Zone 1	70	-0.03	68	-0.01	53	-0.11	53	-0.01
Kd of Am-241 in Saturated Zone	53	0.06	42	0.02	10	0.40	10	0.04
Kd of Np-237 in Contaminated Zone	62	0.04	55	0.01	36	0.16	36	0.01
Kd of Np-237 in Unsaturated Zone 1	66	0.04	56	0.01	3	0.75	3	0.10
Kd of Np-237 in Saturated Zone	50	0.07	50	0.01	17	-0.28	17	-0.02
Kd of Pa-231 in Contaminated Zone	26	-0.15	15	-0.04	42	-0.14	42	-0.01
Kd of Pa-231 in Unsaturated Zone 1	67	0.03	51	0.01	26	0.20	26	0.02
Kd of Pa-231 in Saturated Zone	33	0.11	22	0.03	21	0.21	21	0.02
Kd of Pb-210 in Contaminated Zone	76	-0.01	77	0.00	63	-0.06	63	-0.01
Kd of Pb-210 in Unsaturated Zone 1	63	-0.04	69	-0.01	25	-0.20	25	-0.02
Kd of Pb-210 in Saturated Zone	51	0.07	46	0.01	55	0.10	55	0.01
Kd of Pu-239 in Contaminated Zone	11	0.29	11	0.05	15	0.33	15	0.03
Kd of Pu-239 in Unsaturated Zone 1	78	0.01	74	0.00	35	0.16	34	0.01
Kd of Pu-239 in Saturated Zone	5	0.37	3	0.08	14	-0.34	14	-0.03
Kd of Ra-226 in Contaminated Zone	59	0.05	66	0.01	66	-0.05	66	0.00
Kd of Ra-226 in Unsaturated Zone 1	64	0.04	70	0.01	61	0.07	61	0.01
Kd of Ra-226 in Saturated Zone	77	0.01	78	0.00	68	0.04	68	0.00
Kd of Tc-99 in Saturated Zone	45	-0.08	48	-0.01	28	-0.18	28	-0.02
Kd of Th-229 in Contaminated Zone	49	0.07	35	0.02	64	0.06	64	0.00
Kd of Th-229 in Unsaturated Zone 1	75	0.02	63	0.01	38	-0.15	38	-0.01
Kd of Th-229 in Saturated Zone	72	-0.02	71	-0.01	44	0.14	45	0.01
Kd of Th-230 in Contaminated Zone	12	0.25	6	0.06	54	-0.11	54	-0.01
Kd of Th-230 in Unsaturated Zone 1	30	-0.13	27	-0.02	41	0.14	40	0.01
Kd of Th-230 in Saturated Zone	29	-0.13	30	-0.02	69	-0.04	69	0.00
Kd of U-233 in Saturated Zone	32	0.12	37	0.02	58	-0.09	58	-0.01
Kd of U-234 in Saturated Zone	71	0.03	67	0.01	78	0.01	78	0.00
Kd of U-235 in Saturated Zone	13	-0.23	13	-0.05	57	0.09	57	0.01
Kd of U-238 in Saturated Zone	68	-0.03	73	-0.01	23	-0.21	22	-0.02
Plant transfer factor for Ac	69	-0.03	72	-0.01	70	0.04	70	0.00
Meat transfer factor for Ac	60	0.05	64	0.01	32	-0.16	32	-0.01
Milk transfer factor for Ac	74	-0.02	76	0.00	6	-0.48	7	-0.05
Fish transfer factor for Ac	10	0.29	9	0.06	34	0.16	35	0.01
Plant transfer factor for Am	24	0.15	32	0.02	5	-0.59	5	-0.06
Meat transfer factor for Am	34	-0.10	41	-0.02	60	-0.07	60	-0.01
Milk transfer factor for Am	58	-0.05	61	-0.01	52	0.11	51	0.01
Fish transfer factor for Am	39	-0.09	44	-0.01	56	0.10	56	0.01
Plant transfer factor for Pb	23	0.15	16	0.04	13	-0.35	13	-0.03
Meat transfer factor for Pb	47	0.08	53	0.01	76	0.02	76	0.00
Milk transfer factor for Pb	6	-0.35	7	-0.06	9	-0.42	9	-0.04
Fish transfer factor for Pb	52	-0.07	28	-0.02	20	-0.22	19	-0.02
Plant transfer factor for Np	42	-0.08	43	-0.01	16	0.28	16	0.03
Meat transfer factor for Np	15	0.21	20	0.03	50	0.12	50	0.01
Milk transfer factor for Np	73	-0.02	75	0.00	48	-0.13	48	-0.01
Fish transfer factor for Np	25	0.15	31	0.02	31	0.17	31	0.01
Plant transfer factor for Pu	36	0.09	24	0.03	59	0.07	59	0.01
Meat transfer factor for Pu	54	0.06	58	0.01	40	-0.15	39	-0.01
Milk transfer factor for Pu	37	0.09	39	0.02	74	0.02	74	0.00
Fish transfer factor for Pu	79	0.00	79	0.00	22	-0.21	23	-0.02
Plant transfer factor for Pa	80	0.00	80	0.00	18	0.23	18	0.02
Meat transfer factor for Pa	22	-0.16	18	-0.04	65	0.05	65	0.00
Milk transfer factor for Pa	18	0.20	21	0.03	33	-0.16	33	-0.01
Fish transfer factor for Pa	65	0.04	59	0.01	77	-0.02	77	0.00
Plant transfer factor for Ra	21	0.18	25	0.03	79	-0.01	79	0.00
Meat transfer factor for Ra	38	0.09	54	0.01	27	0.19	27	0.02
Milk transfer factor for Ra	56	0.06	60	0.01	7	0.48	6	0.05
Fish transfer factor for Ra	16	-0.21	19	-0.04	29	-0.18	29	-0.02
Plant transfer factor for Tc	14	-0.22	10	-0.06	30	-0.17	30	-0.01
Meat transfer factor for Tc	35	-0.09	33	-0.02	80	0.00	80	0.00
Milk transfer factor for Tc	17	0.20	17	0.04	37	0.15	37	0.01
Fish transfer factor for Tc	20	-0.19	23	-0.03	12	0.36	12	0.03
Plant transfer factor for Th	46	0.08	38	0.02	11	0.39	11	0.04
Meat transfer factor for Th	3	0.51	4	0.08	4	0.59	4	0.06
Milk transfer factor for Th	61	0.05	65	0.01	45	-0.14	43	-0.01
Fish transfer factor for Th	57	-0.05	62	-0.01	24	0.21	24	0.02
Plant transfer factor for U	40	0.09	49	0.01	49	-0.12	49	-0.01
Meat transfer factor for U	8	0.31	12	0.05	39	-0.15	41	-0.01
Milk transfer factor for U	28	0.14	29	0.02	75	-0.02	75	0.00
Fish transfer factor for U	48	0.08	40	0.02	71	-0.04	71	0.00
Well pumping rate	4	-0.39	8	-0.06	73	0.02	73	0.00
Mass loading for inhalation	1	0.98	1	0.76	2	0.99	2	0.70
Indoor dust filtration factor	2	0.97	2	0.60	1	0.99	1	0.73
Depth of soil mixing layer	55	0.06	57	0.01	62	-0.06	62	-0.01
Depth of roots	19	0.19	26	0.03	46	-0.13	46	-0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	44	-0.08	47	-0.01	8	-0.44	8	-0.04
Weathering removal constant of all vegetation	41	0.08	52	0.01	51	-0.11	52	-0.01
Wet foliar interception fraction of leafy vegetables	7	-0.34	5	-0.06	47	0.13	47	0.01

R-SQUARE

0.99 0.99 0.99 0.99

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

Coefficients for peak Inhalation Particles Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	31	0.28	9	0.11	26	-0.20	26	-0.03
Kd of Ac-227 in Unsaturated Zone 1	78	0.01	79	0.00	15	-0.25	15	-0.04
Kd of Ac-227 in Saturated Zone	43	-0.21	50	-0.02	19	0.23	19	0.03
Kd of Am-241 in Contaminated Zone	41	0.22	45	0.02	48	0.12	48	0.02
Kd of Am-241 in Unsaturated Zone 1	56	0.15	51	0.02	62	0.05	62	0.01
Kd of Am-241 in Saturated Zone	11	0.49	11	0.08	63	0.05	63	0.01
Kd of Np-237 in Contaminated Zone	8	0.55	6	0.14	76	-0.01	76	0.00
Kd of Np-237 in Unsaturated Zone 1	58	-0.14	55	-0.02	10	0.30	11	0.04
Kd of Np-237 in Saturated Zone	27	0.33	35	0.03	41	0.15	40	0.02
Kd of Pa-231 in Contaminated Zone	68	0.06	64	0.01	55	0.07	54	0.01
Kd of Pa-231 in Unsaturated Zone 1	67	0.07	65	0.01	75	-0.02	75	0.00
Kd of Pa-231 in Saturated Zone	4	-0.60	4	-0.32	50	0.10	50	0.01
Kd of Pb-210 in Contaminated Zone	25	0.33	33	0.04	53	0.08	53	0.01
Kd of Pb-210 in Unsaturated Zone 1	79	0.01	77	0.00	21	-0.22	21	-0.03
Kd of Pb-210 in Saturated Zone	12	0.45	20	0.05	4	-0.36	4	-0.05
Kd of Pu-239 in Contaminated Zone	30	-0.29	10	-0.09	78	0.01	78	0.00
Kd of Pu-239 in Unsaturated Zone 1	29	-0.30	37	-0.03	18	0.23	18	0.03
Kd of Pu-239 in Saturated Zone	62	-0.10	62	-0.01	3	0.37	3	0.06
Kd of Ra-226 in Contaminated Zone	3	0.65	3	0.36	71	0.03	71	0.00
Kd of Ra-226 in Unsaturated Zone 1	33	-0.27	39	-0.03	80	-0.01	80	0.00
Kd of Ra-226 in Saturated Zone	20	-0.39	19	-0.05	20	0.23	20	0.03
Kd of Tc-99 in Saturated Zone	22	0.36	29	0.04	6	0.35	6	0.05
Kd of Th-229 in Contaminated Zone	53	0.17	58	0.01	51	-0.08	51	-0.01
Kd of Th-229 in Unsaturated Zone 1	63	-0.09	59	-0.01	43	0.14	43	0.02
Kd of Th-229 in Saturated Zone	39	0.22	5	0.15	25	-0.20	25	-0.03
Kd of Th-230 in Contaminated Zone	47	0.20	27	0.04	35	0.16	35	0.02
Kd of Th-230 in Unsaturated Zone 1	46	0.21	42	0.03	52	-0.08	52	-0.01
Kd of Th-230 in Saturated Zone	6	0.59	14	0.06	16	-0.25	16	-0.04
Kd of U-233 in Saturated Zone	50	-0.20	8	-0.13	73	0.03	73	0.00
Kd of U-234 in Saturated Zone	19	0.39	18	0.05	57	-0.07	56	-0.01
Kd of U-235 in Saturated Zone	7	-0.58	7	-0.14	67	0.04	67	0.01
Kd of U-238 in Saturated Zone	42	-0.22	43	-0.03	58	-0.07	58	-0.01
Plant transfer factor for Ac	77	-0.01	78	0.00	54	0.07	55	0.01
Meat transfer factor for Ac	36	-0.25	47	-0.02	28	0.19	28	0.03
Milk transfer factor for Ac	9	-0.54	13	-0.07	56	0.07	57	0.01
Fish transfer factor for Ac	76	0.01	76	0.00	7	-0.33	7	-0.05
Plant transfer factor for Am	14	-0.44	24	-0.04	22	-0.22	22	-0.03
Meat transfer factor for Am	72	-0.04	72	0.00	61	0.05	61	0.01
Milk transfer factor for Am	17	-0.40	25	-0.04	24	-0.20	24	-0.03
Fish transfer factor for Am	71	0.04	71	0.00	8	-0.32	8	-0.05
Plant transfer factor for Pb	32	-0.28	34	-0.04	30	0.18	30	0.03
Meat transfer factor for Pb	57	-0.14	54	-0.02	60	0.06	60	0.01
Milk transfer factor for Pb	48	0.20	44	0.03	68	-0.04	68	-0.01
Fish transfer factor for Pb	52	0.17	57	0.01	46	0.13	46	0.02
Plant transfer factor for Np	61	0.10	61	0.01	17	0.24	17	0.03
Meat transfer factor for Np	64	0.09	68	0.01	5	-0.35	5	-0.05
Milk transfer factor for Np	51	0.17	56	0.02	9	0.30	9	0.04
Fish transfer factor for Np	24	-0.35	36	-0.03	64	-0.04	64	-0.01
Plant transfer factor for Pu	69	-0.06	70	-0.01	13	0.29	13	0.04
Meat transfer factor for Pu	59	0.13	60	0.01	38	-0.16	39	-0.02
Milk transfer factor for Pu	65	-0.08	66	-0.01	29	0.19	29	0.03
Fish transfer factor for Pu	55	-0.16	52	-0.02	33	0.17	33	0.02
Plant transfer factor for Pa	75	0.02	75	0.00	40	-0.15	41	-0.02
Meat transfer factor for Pa	44	0.21	41	0.03	66	-0.04	66	-0.01
Milk transfer factor for Pa	18	0.40	21	0.04	36	-0.16	36	-0.02
Fish transfer factor for Pa	35	-0.25	31	-0.04	27	-0.20	27	-0.03
Plant transfer factor for Ra	74	0.02	74	0.00	59	0.06	59	0.01
Meat transfer factor for Ra	10	-0.50	16	-0.06	42	0.14	42	0.02
Milk transfer factor for Ra	13	0.44	15	0.06	79	-0.01	79	0.00
Fish transfer factor for Ra	40	0.22	48	0.02	37	0.16	38	0.02
Plant transfer factor for Tc	37	0.25	46	0.02	45	0.13	45	0.02
Meat transfer factor for Tc	45	-0.21	53	-0.02	23	0.21	23	0.03
Milk transfer factor for Tc	15	-0.43	28	-0.04	49	-0.11	49	-0.02
Fish transfer factor for Tc	23	-0.36	32	-0.04	70	-0.03	70	0.00
Plant transfer factor for Th	28	-0.31	23	-0.04	34	0.17	34	0.02
Meat transfer factor for Th	66	0.08	67	0.01	11	-0.29	10	-0.04
Milk transfer factor for Th	21	0.38	22	0.04	31	0.17	32	0.02
Fish transfer factor for Th	38	-0.24	17	-0.05	14	0.28	14	0.04
Plant transfer factor for U	80	0.00	80	0.00	47	-0.12	47	-0.02
Meat transfer factor for U	54	0.16	49	0.02	12	-0.29	12	-0.04
Milk transfer factor for U	49	0.20	38	0.03	72	-0.03	72	0.00
Fish transfer factor for U	60	0.10	63	0.01	77	-0.01	77	0.00
Well pumping rate	26	0.33	30	0.04	44	-0.13	44	-0.02
Mass loading for inhalation	1	0.99	1	0.82	2	0.98	2	0.68
Indoor dust filtration factor	2	0.99	2	0.57	1	0.98	1	0.71
Depth of soil mixing layer	73	0.04	73	0.00	69	-0.04	69	-0.01
Depth of roots	34	0.26	40	0.03	74	-0.02	74	0.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	0.41	26	0.04	65	0.04	65	0.01
Weathering removal constant of all vegetation	5	0.60	12	0.07	39	-0.16	37	-0.02
Wet foliar interception fraction of leafy vegetables	70	0.06	69	0.01	32	-0.17	31	-0.03
R-SQUARE		1.00		1.00		0.98		0.98

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

Coefficients for peak 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	17	-0.23	21	-0.04	57	-0.07	57	-0.01
Kd of Ac-227 in Unsaturated Zone 1	66	-0.04	55	-0.01	3	-0.49	3	-0.07
Kd of Ac-227 in Saturated Zone	19	0.23	14	0.05	12	0.32	12	0.04
Kd of Am-241 in Contaminated Zone	7	0.30	7	0.11	64	0.05	64	0.01
Kd of Am-241 in Unsaturated Zone 1	30	-0.16	38	-0.03	72	0.02	72	0.00
Kd of Am-241 in Saturated Zone	65	0.04	50	0.02	70	-0.03	70	0.00
Kd of Np-237 in Contaminated Zone	3	-0.49	5	-0.15	4	-0.49	4	-0.07
Kd of Np-237 in Unsaturated Zone 1	33	0.15	34	0.03	32	0.13	32	0.02
Kd of Np-237 in Saturated Zone	48	0.11	31	0.03	20	-0.22	20	-0.03
Kd of Pa-231 in Contaminated Zone	71	0.03	58	0.01	34	-0.12	34	-0.01
Kd of Pa-231 in Unsaturated Zone 1	77	-0.01	77	0.00	5	0.43	5	0.06
Kd of Pa-231 in Saturated Zone	25	-0.18	20	-0.04	24	-0.20	24	-0.03
Kd of Pb-210 in Contaminated Zone	76	-0.01	72	-0.01	62	0.05	62	0.01
Kd of Pb-210 in Unsaturated Zone 1	74	-0.02	59	-0.01	10	-0.33	11	-0.04
Kd of Pb-210 in Saturated Zone	53	-0.06	56	-0.01	39	-0.10	39	-0.01
Kd of Pu-239 in Contaminated Zone	56	0.06	61	0.01	31	-0.14	31	-0.02
Kd of Pu-239 in Unsaturated Zone 1	29	-0.17	30	-0.03	23	0.21	23	0.03
Kd of Pu-239 in Saturated Zone	68	0.04	74	0.00	63	0.05	63	0.01
Kd of Ra-226 in Contaminated Zone	32	-0.16	40	-0.02	41	-0.10	42	-0.01
Kd of Ra-226 in Unsaturated Zone 1	27	-0.17	36	-0.03	76	-0.02	76	0.00
Kd of Ra-226 in Saturated Zone	57	0.06	52	0.01	44	0.09	44	0.01
Kd of Tc-99 in Saturated Zone	72	0.03	73	0.01	35	-0.12	35	-0.01
Kd of Th-229 in Contaminated Zone	44	-0.11	46	-0.02	27	-0.18	27	-0.02
Kd of Th-229 in Unsaturated Zone 1	70	0.03	67	0.01	68	0.04	68	0.01
Kd of Th-229 in Saturated Zone	41	0.12	6	0.13	22	-0.21	22	-0.03
Kd of Th-230 in Contaminated Zone	8	-0.30	15	-0.05	37	-0.11	38	-0.01
Kd of Th-230 in Unsaturated Zone 1	46	0.11	39	0.03	19	0.26	18	0.03
Kd of Th-230 in Saturated Zone	37	-0.14	41	-0.02	53	-0.08	53	-0.01
Kd of U-233 in Saturated Zone	15	-0.24	17	-0.05	47	0.08	48	0.01
Kd of U-234 in Saturated Zone	45	0.11	47	0.02	79	0.01	79	0.00
Kd of U-235 in Saturated Zone	55	-0.06	37	-0.03	59	0.06	59	0.01
Kd of U-238 in Saturated Zone	36	-0.15	3	-0.17	73	0.02	73	0.00
Plant transfer factor for Ac	10	0.27	13	0.06	71	0.03	71	0.00
Meat transfer factor for Ac	62	0.05	60	0.01	51	0.08	51	0.01
Milk transfer factor for Ac	34	-0.15	33	-0.03	36	-0.11	36	-0.01
Fish transfer factor for Ac	24	-0.18	24	-0.04	42	0.10	41	0.01
Plant transfer factor for Am	50	-0.09	54	-0.01	33	0.12	33	0.01
Meat transfer factor for Am	60	0.05	65	0.01	67	0.04	67	0.01
Milk transfer factor for Am	47	-0.11	49	-0.02	40	0.10	40	0.01
Fish transfer factor for Am	61	0.05	62	0.01	45	0.09	45	0.01
Plant transfer factor for Pb	52	0.07	53	0.01	25	-0.20	26	-0.02
Meat transfer factor for Pb	18	0.23	18	0.05	77	-0.02	77	0.00
Milk transfer factor for Pb	40	-0.13	45	-0.02	78	-0.01	78	0.00
Fish transfer factor for Pb	49	0.10	51	0.02	54	-0.07	54	-0.01
Plant transfer factor for Np	21	-0.21	16	-0.05	50	0.08	50	0.01
Meat transfer factor for Np	23	0.21	27	0.03	49	-0.08	49	-0.01
Milk transfer factor for Np	9	-0.28	19	-0.05	69	-0.04	69	0.00
Fish transfer factor for Np	38	-0.14	42	-0.02	21	-0.21	21	-0.03
Plant transfer factor for Pu	6	-0.42	12	-0.06	7	-0.39	7	-0.05
Meat transfer factor for Pu	26	0.18	28	0.03	48	0.08	47	0.01
Milk transfer factor for Pu	63	0.05	68	0.01	14	0.31	14	0.04
Fish transfer factor for Pu	78	-0.01	78	0.00	6	0.40	6	0.05
Plant transfer factor for Pa	12	-0.25	11	-0.07	9	0.36	9	0.05
Meat transfer factor for Pa	4	0.49	4	0.15	74	0.02	74	0.00
Milk transfer factor for Pa	69	0.03	71	0.01	56	0.07	56	0.01
Fish transfer factor for Pa	54	0.06	63	0.01	28	-0.16	28	-0.02
Plant transfer factor for Ra	42	-0.12	48	-0.02	13	-0.32	13	-0.04
Meat transfer factor for Ra	31	-0.16	29	-0.03	52	-0.08	52	-0.01
Milk transfer factor for Ra	80	0.00	80	0.00	11	-0.33	10	-0.04
Fish transfer factor for Ra	22	0.21	10	0.07	38	0.11	37	0.01
Plant transfer factor for Tc	79	-0.01	79	0.00	29	-0.15	29	-0.02
Meat transfer factor for Tc	75	0.02	76	0.00	66	-0.05	66	-0.01
Milk transfer factor for Tc	51	-0.07	57	-0.01	17	0.28	17	0.04
Fish transfer factor for Tc	58	-0.05	66	-0.01	18	0.26	19	0.03
Plant transfer factor for Th	35	0.15	35	0.03	16	0.29	16	0.04
Meat transfer factor for Th	67	0.04	64	0.01	75	-0.02	75	0.00
Milk transfer factor for Th	59	-0.05	69	-0.01	61	0.05	61	0.01
Fish transfer factor for Th	14	-0.24	8	-0.09	15	0.30	15	0.04
Plant transfer factor for U	20	-0.22	25	-0.04	46	-0.09	46	-0.01
Meat transfer factor for U	43	0.12	44	0.02	80	-0.01	80	0.00
Milk transfer factor for U	73	-0.03	75	0.00	60	-0.06	60	-0.01
Fish transfer factor for U	64	0.04	70	0.01	43	0.10	43	0.01
Well pumping rate	13	-0.25	22	-0.04	65	-0.05	65	-0.01
Mass loading for inhalation	1	0.97	1	0.75	2	0.98	2	0.69
Indoor dust filtration factor	2	0.96	2	0.62	1	0.98	1	0.71
Depth of soil mixing layer	39	0.13	43	0.02	30	-0.15	30	-0.02
Depth of roots	11	-0.26	23	-0.04	26	0.20	25	0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	5	-0.45	9	-0.08	8	-0.37	8	-0.05
Weathering removal constant of all vegetation	16	-0.23	26	-0.04	58	-0.06	58	-0.01
Wet foliar interception fraction of leafy vegetables	28	-0.17	32	-0.03	55	0.07	55	0.01
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 Radon (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	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ac-227 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ac-227 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Np-237 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Np-237 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Np-237 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pa-231 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pa-231 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pa-231 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pb-210 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pb-210 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pb-210 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pu-239 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pu-239 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pu-239 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-226 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-226 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-226 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of 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 Am	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Well pumping rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Indoor dust filtration factor	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	0	0.00	0	0.00	0	0.00	0	0.00
Wet foliar interception fraction of leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

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

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

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

Coefficients for peak Radon (WaterInd.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable	Sig	Coef	Sig	Coef	Sig	Coef	Sig	Coef	
Kd of Ac-227 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ac-227 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ac-227 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Am-241 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Am-241 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Am-241 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Np-237 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Np-237 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Np-237 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pa-231 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pa-231 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pa-231 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pb-210 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pb-210 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pb-210 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pu-239 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pu-239 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Pu-239 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-226 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-226 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Ra-226 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of 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 Am	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00	
Plant transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00	
Meat transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00	
Milk transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00	
Fish transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00	
Well pumping rate	0	0.00	0	0.00	0	0.00	0	0.00	
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00	
Indoor dust filtration factor	0	0.00	0	0.00	0	0.00	0	0.00	
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00	
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00	
Wet weight crop yield of fruit, grain and non-leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00	
Weathering removal constant of all vegetation	0	0.00	0	0.00	0	0.00	0	0.00	
Wet foliar interception fraction of leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00	
R-SQUARE		0.00		0.00		0.00		0.00	

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	27	0.44	32	0.06	16	-0.47	16	-0.06
Kd of Ac-227 in Unsaturated Zone 1	58	-0.18	63	-0.02	43	-0.25	43	-0.03
Kd of Ac-227 in Saturated Zone	22	0.49	31	0.06	80	0.00	80	0.00
Kd of Am-241 in Contaminated Zone	67	-0.13	68	-0.02	7	-0.56	8	-0.07
Kd of Am-241 in Unsaturated Zone 1	32	-0.37	30	-0.06	33	-0.33	33	-0.04
Kd of Am-241 in Saturated Zone	7	0.62	7	0.14	40	0.25	41	0.03
Kd of Np-237 in Contaminated Zone	14	-0.54	13	-0.11	78	0.02	78	0.00
Kd of Np-237 in Unsaturated Zone 1	73	-0.09	65	-0.02	31	0.35	31	0.04
Kd of Np-237 in Saturated Zone	75	-0.07	74	-0.01	76	0.04	76	0.00
Kd of Pa-231 in Contaminated Zone	37	0.32	23	0.07	56	0.16	56	0.02
Kd of Pa-231 in Unsaturated Zone 1	16	0.51	6	0.14	48	0.21	47	0.02
Kd of Pa-231 in Saturated Zone	13	-0.55	10	-0.12	27	0.38	27	0.04
Kd of Pb-210 in Contaminated Zone	5	-0.66	8	-0.12	14	0.47	13	0.06
Kd of Pb-210 in Unsaturated Zone 1	38	-0.32	41	-0.04	60	-0.12	60	-0.01
Kd of Pb-210 in Saturated Zone	10	0.58	15	0.10	46	-0.23	46	-0.02
Kd of Pu-239 in Contaminated Zone	25	0.47	24	0.07	35	-0.31	35	-0.04
Kd of Pu-239 in Unsaturated Zone 1	17	0.50	4	0.20	77	0.02	77	0.00
Kd of Pu-239 in Saturated Zone	56	-0.20	52	-0.03	52	0.20	51	0.02
Kd of Ra-226 in Contaminated Zone	35	-0.33	42	-0.04	53	-0.18	53	-0.02
Kd of Ra-226 in Unsaturated Zone 1	21	0.50	28	0.07	38	0.27	38	0.03
Kd of Ra-226 in Saturated Zone	44	-0.29	47	-0.03	51	0.20	49	0.02
Kd of Tc-99 in Saturated Zone	74	0.07	75	0.01	6	-0.57	6	-0.08
Kd of Th-229 in Contaminated Zone	63	0.15	51	0.03	30	0.36	30	0.04
Kd of Th-229 in Unsaturated Zone 1	26	-0.45	5	-0.19	5	0.60	5	0.08
Kd of Th-229 in Saturated Zone	31	0.37	17	0.09	34	-0.33	34	-0.04
Kd of Th-230 in Contaminated Zone	47	-0.27	38	-0.05	17	-0.44	17	-0.05
Kd of Th-230 in Unsaturated Zone 1	54	-0.21	53	-0.03	37	-0.29	37	-0.03
Kd of Th-230 in Saturated Zone	77	0.02	77	0.00	57	-0.16	57	-0.02
Kd of U-233 in Saturated Zone	39	0.31	45	0.04	71	0.07	71	0.01
Kd of U-234 in Saturated Zone	45	0.28	33	0.05	29	-0.37	28	-0.04
Kd of U-235 in Saturated Zone	59	0.18	54	0.03	69	-0.08	68	-0.01
Kd of U-238 in Saturated Zone	72	-0.10	73	-0.01	10	-0.52	10	-0.07
Plant transfer factor for Ac	57	0.18	61	0.02	39	0.26	39	0.03
Meat transfer factor for Ac	62	-0.16	64	-0.02	67	-0.09	67	-0.01
Milk transfer factor for Ac	18	-0.50	22	-0.07	73	-0.05	73	-0.01
Fish transfer factor for Ac	12	-0.55	16	-0.09	61	0.12	61	0.01
Plant transfer factor for Am	78	0.02	79	0.00	44	-0.24	44	-0.03
Meat transfer factor for Am	76	-0.06	76	-0.01	74	0.04	74	0.00
Milk transfer factor for Am	64	0.15	62	0.02	54	0.17	54	0.02
Fish transfer factor for Am	53	0.22	58	0.03	36	-0.29	36	-0.03
Plant transfer factor for Pb	51	-0.24	34	-0.05	50	0.20	50	0.02
Meat transfer factor for Pb	49	-0.25	55	-0.03	4	-0.60	4	-0.08
Milk transfer factor for Pb	68	0.13	69	0.01	64	0.11	64	0.01
Fish transfer factor for Pb	28	-0.44	11	-0.12	26	0.38	24	0.05
Plant transfer factor for Np	79	0.02	78	0.00	8	0.55	7	0.07
Meat transfer factor for Np	46	0.27	50	0.03	22	-0.40	22	-0.05
Milk transfer factor for Np	66	0.14	66	0.02	45	0.24	45	0.03
Fish transfer factor for Np	36	0.32	46	0.04	72	-0.06	72	-0.01
Plant transfer factor for Pu	33	-0.36	19	-0.08	47	-0.22	48	-0.02
Meat transfer factor for Pu	19	-0.50	27	-0.07	25	0.38	26	0.04
Milk transfer factor for Pu	40	0.30	43	0.04	19	-0.42	18	-0.05
Fish transfer factor for Pu	42	0.30	40	0.04	18	0.42	19	0.05
Plant transfer factor for Pa	24	-0.48	26	-0.07	11	0.51	11	0.07
Meat transfer factor for Pa	11	0.57	12	0.11	21	0.41	20	0.05
Milk transfer factor for Pa	70	0.11	72	0.01	20	-0.41	21	-0.05
Fish transfer factor for Pa	60	0.17	49	0.03	12	-0.48	12	-0.06
Plant transfer factor for Ra	41	0.30	48	0.03	63	-0.11	63	-0.01
Meat transfer factor for Ra	80	0.00	80	0.00	70	-0.07	70	-0.01
Milk transfer factor for Ra	8	0.60	18	0.08	62	0.11	62	0.01
Fish transfer factor for Ra	30	-0.37	36	-0.05	65	0.10	65	0.01
Plant transfer factor for Tc	1	0.98	1	0.88	1	0.99	1	0.78
Meat transfer factor for Tc	43	0.29	35	0.05	58	-0.14	58	-0.02
Milk transfer factor for Tc	4	-0.69	9	-0.12	13	0.47	15	0.06
Fish transfer factor for Tc	9	-0.60	20	-0.08	49	-0.20	52	-0.02
Plant transfer factor for Th	50	0.25	44	0.04	41	-0.25	40	-0.03
Meat transfer factor for Th	48	-0.26	56	-0.03	15	0.47	14	0.06
Milk transfer factor for Th	71	-0.11	71	-0.01	23	-0.39	23	-0.05
Fish transfer factor for Th	55	0.21	59	0.03	32	0.34	32	0.04
Plant transfer factor for U	2	0.97	2	0.42	3	0.94	3	0.31
Meat transfer factor for U	23	0.48	29	0.06	42	0.25	42	0.03
Milk transfer factor for U	15	0.52	21	0.08	24	0.39	25	0.05
Fish transfer factor for U	61	0.17	57	0.03	9	0.54	9	0.07
Well pumping rate	29	0.43	37	0.05	59	-0.12	59	-0.01
Mass loading for inhalation	20	0.50	25	0.07	28	0.37	29	0.04
Indoor dust filtration factor	69	0.12	70	0.01	55	-0.17	55	-0.02
Depth of soil mixing layer	6	-0.63	14	-0.10	79	0.01	79	0.00
Depth of roots	3	-0.93	3	-0.25	2	-0.97	2	-0.44
Wet weight crop yield of fruit, grain and non-leafy vegetables	65	0.14	67	0.02	66	-0.09	66	-0.01
Weathering removal constant of all vegetation	52	-0.24	60	-0.02	68	-0.08	69	-0.01
Wet foliar interception fraction of leafy vegetables	34	-0.35	39	-0.04	75	-0.04	75	0.00

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 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	7	-0.40	3	-0.26	67	0.04	67	0.01
Kd of Ac-227 in Unsaturated Zone 1	46	0.13	53	0.02	15	0.27	15	0.04
Kd of Ac-227 in Saturated Zone	10	-0.37	21	-0.05	16	-0.27	16	-0.04
Kd of Am-241 in Contaminated Zone	35	-0.17	40	-0.03	35	0.15	35	0.02
Kd of Am-241 in Unsaturated Zone 1	45	-0.13	45	-0.02	33	0.16	33	0.02
Kd of Am-241 in Saturated Zone	21	-0.26	13	-0.06	40	-0.14	40	-0.02
Kd of Np-237 in Contaminated Zone	9	0.39	6	0.14	7	0.37	7	0.06
Kd of Np-237 in Unsaturated Zone 1	57	-0.07	59	-0.01	79	0.00	79	0.00
Kd of Np-237 in Saturated Zone	13	-0.33	19	-0.05	70	0.03	70	0.00
Kd of Pa-231 in Contaminated Zone	27	-0.21	22	-0.05	45	0.13	45	0.02
Kd of Pa-231 in Unsaturated Zone 1	47	-0.12	50	-0.02	77	0.01	76	0.00
Kd of Pa-231 in Saturated Zone	61	0.07	24	0.05	53	0.10	53	0.01
Kd of Pb-210 in Contaminated Zone	62	0.07	63	0.01	34	0.16	34	0.02
Kd of Pb-210 in Unsaturated Zone 1	6	0.41	5	0.19	62	-0.04	62	-0.01
Kd of Pb-210 in Saturated Zone	18	-0.27	28	-0.04	17	-0.27	18	-0.04
Kd of Pu-239 in Contaminated Zone	56	0.07	35	0.03	73	-0.02	73	0.00
Kd of Pu-239 in Unsaturated Zone 1	77	0.01	78	0.00	27	-0.20	27	-0.03
Kd of Pu-239 in Saturated Zone	24	-0.25	27	-0.04	55	-0.09	55	-0.01
Kd of Ra-226 in Contaminated Zone	59	-0.07	25	-0.05	42	-0.13	42	-0.02
Kd of Ra-226 in Unsaturated Zone 1	23	-0.25	29	-0.04	8	0.36	8	0.06
Kd of Ra-226 in Saturated Zone	28	-0.20	31	-0.04	30	0.18	30	0.03
Kd of Tc-99 in Saturated Zone	5	0.42	9	0.07	63	0.04	63	0.01
Kd of Th-229 in Contaminated Zone	58	0.07	65	0.01	61	-0.07	61	-0.01
Kd of Th-229 in Unsaturated Zone 1	80	0.00	80	0.00	68	0.03	68	0.00
Kd of Th-229 in Saturated Zone	63	-0.06	14	-0.06	10	0.33	10	0.05
Kd of Th-230 in Contaminated Zone	51	-0.10	38	-0.03	25	0.22	26	0.03
Kd of Th-230 in Unsaturated Zone 1	19	-0.27	17	-0.06	78	-0.01	78	0.00
Kd of Th-230 in Saturated Zone	52	0.10	58	0.01	21	-0.24	21	-0.04
Kd of U-233 in Saturated Zone	66	0.06	16	0.06	54	-0.09	54	-0.01
Kd of U-234 in Saturated Zone	72	-0.02	72	0.00	11	-0.33	11	-0.05
Kd of U-235 in Saturated Zone	11	-0.37	7	-0.12	18	0.27	17	0.04
Kd of U-238 in Saturated Zone	30	-0.19	32	-0.03	23	-0.23	24	-0.03
Plant transfer factor for Ac	16	0.32	20	0.05	60	0.08	60	0.01
Meat transfer factor for Ac	65	0.06	68	0.01	29	0.18	29	0.03
Milk transfer factor for Ac	41	0.15	46	0.02	76	0.01	77	0.00
Fish transfer factor for Ac	78	-0.01	77	0.00	43	0.13	43	0.02
Plant transfer factor for Am	39	0.16	51	0.02	20	-0.26	20	-0.04
Meat transfer factor for Am	29	0.19	34	0.03	5	0.38	6	0.06
Milk transfer factor for Am	12	-0.35	18	-0.06	71	-0.02	71	0.00
Fish transfer factor for Am	64	0.06	64	0.01	39	0.14	39	0.02
Plant transfer factor for Pb	26	0.22	26	0.04	41	-0.13	41	-0.02
Meat transfer factor for Pb	14	0.33	12	0.06	9	0.34	9	0.05
Milk transfer factor for Pb	42	-0.14	42	-0.03	64	-0.04	64	-0.01
Fish transfer factor for Pb	8	-0.40	15	-0.06	46	0.12	47	0.02
Plant transfer factor for Np	67	0.05	67	0.01	6	0.38	5	0.06
Meat transfer factor for Np	43	-0.14	55	-0.02	56	-0.09	56	-0.01
Milk transfer factor for Np	73	-0.02	73	0.00	49	-0.11	49	-0.02
Fish transfer factor for Np	71	0.03	71	0.00	13	-0.28	13	-0.04
Plant transfer factor for Pu	49	-0.11	57	-0.01	32	-0.17	32	-0.03
Meat transfer factor for Pu	36	0.17	49	0.02	52	-0.10	52	-0.01
Milk transfer factor for Pu	76	0.01	76	0.00	14	0.28	14	0.04
Fish transfer factor for Pu	37	0.17	41	0.03	12	-0.32	12	-0.05
Plant transfer factor for Pa	79	0.00	79	0.00	50	0.11	50	0.02
Meat transfer factor for Pa	15	-0.33	11	-0.07	26	-0.22	25	-0.03
Milk transfer factor for Pa	40	0.15	47	0.02	31	-0.17	31	-0.03
Fish transfer factor for Pa	68	0.04	66	0.01	74	-0.01	74	0.00
Plant transfer factor for Ra	38	0.17	44	0.03	4	0.40	4	0.07
Meat transfer factor for Ra	25	-0.23	33	-0.03	75	-0.01	75	0.00
Milk transfer factor for Ra	33	-0.17	37	-0.03	80	0.00	80	0.00
Fish transfer factor for Ra	34	0.17	48	0.02	48	-0.11	48	-0.02
Plant transfer factor for Tc	1	0.99	1	0.89	1	0.98	1	0.82
Meat transfer factor for Tc	74	-0.02	75	0.00	59	0.08	59	0.01
Milk transfer factor for Tc	54	0.09	61	0.01	66	0.04	66	0.01
Fish transfer factor for Tc	50	0.10	56	0.02	19	-0.26	19	-0.04
Plant transfer factor for Th	4	0.46	8	0.10	69	0.03	69	0.00
Meat transfer factor for Th	69	0.04	69	0.01	22	0.23	22	0.04
Milk transfer factor for Th	48	0.12	54	0.02	51	-0.10	51	-0.01
Fish transfer factor for Th	53	0.10	36	0.03	37	-0.15	37	-0.02
Plant transfer factor for U	3	0.85	4	0.23	3	0.85	3	0.24
Meat transfer factor for U	22	0.25	23	0.05	38	-0.15	38	-0.02
Milk transfer factor for U	17	0.32	10	0.07	58	0.08	58	0.01
Fish transfer factor for U	55	0.09	60	0.01	24	-0.23	23	-0.03
Well pumping rate	75	-0.01	74	0.00	28	-0.19	28	-0.03
Mass loading for inhalation	20	-0.26	30	-0.04	57	0.09	57	0.01
Indoor dust filtration factor	60	0.07	62	0.01	65	-0.04	65	-0.01
Depth of soil mixing layer	70	0.03	70	0.00	47	0.12	46	0.02
Depth of roots	2	-0.87	2	-0.28	2	-0.95	2	-0.45
Wet weight crop yield of fruit, grain and non-leafy vegetables	44	-0.14	52	-0.02	72	0.02	72	0.00
Weathering removal constant of all vegetation	31	-0.19	43	-0.03	36	0.15	36	0.02
Wet foliar interception fraction of leafy vegetables	32	0.19	39	0.03	44	0.13	44	0.02
R-SQUARE		0.99		0.99		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	35	-0.20	40	-0.04	50	0.08	50	0.02
Kd of Ac-227 in Unsaturated Zone 1	77	-0.02	76	-0.01	13	-0.26	13	-0.05
Kd of Ac-227 in Saturated Zone	50	-0.10	48	-0.03	15	0.25	15	0.05
Kd of Am-241 in Contaminated Zone	44	0.14	27	0.06	69	0.03	69	0.01
Kd of Am-241 in Unsaturated Zone 1	18	-0.34	21	-0.07	71	-0.03	71	-0.01
Kd of Am-241 in Saturated Zone	42	0.15	16	0.08	44	0.09	44	0.02
Kd of Np-237 in Contaminated Zone	68	0.04	66	0.01	18	-0.21	18	-0.04
Kd of Np-237 in Unsaturated Zone 1	55	-0.09	56	-0.02	14	0.25	14	0.05
Kd of Np-237 in Saturated Zone	53	-0.09	45	-0.03	61	-0.06	62	-0.01
Kd of Pa-231 in Contaminated Zone	74	0.02	70	0.01	4	0.46	4	0.10
Kd of Pa-231 in Unsaturated Zone 1	59	0.08	54	0.02	17	0.23	17	0.05
Kd of Pa-231 in Saturated Zone	36	0.19	28	0.06	26	-0.17	26	-0.04
Kd of Pb-210 in Contaminated Zone	11	0.39	5	0.22	21	-0.20	21	-0.04
Kd of Pb-210 in Unsaturated Zone 1	7	-0.44	4	-0.26	56	-0.07	56	-0.01
Kd of Pb-210 in Saturated Zone	26	0.25	30	0.05	51	-0.08	49	-0.02
Kd of Pu-239 in Contaminated Zone	17	-0.34	18	-0.08	41	-0.10	41	-0.02
Kd of Pu-239 in Unsaturated Zone 1	13	-0.36	17	-0.08	36	-0.13	36	-0.03
Kd of Pu-239 in Saturated Zone	24	0.27	36	0.05	77	0.01	77	0.00
Kd of Ra-226 in Contaminated Zone	43	-0.14	51	-0.03	37	-0.13	38	-0.03
Kd of Ra-226 in Unsaturated Zone 1	49	-0.11	53	-0.02	52	0.07	52	0.01
Kd of Ra-226 in Saturated Zone	12	-0.39	9	-0.14	53	0.07	53	0.01
Kd of Tc-99 in Saturated Zone	73	-0.03	75	-0.01	35	-0.13	35	-0.03
Kd of Th-229 in Contaminated Zone	30	0.22	37	0.05	78	0.01	78	0.00
Kd of Th-229 in Unsaturated Zone 1	6	-0.45	8	-0.16	31	0.14	31	0.03
Kd of Th-229 in Saturated Zone	70	-0.04	39	-0.05	27	-0.16	27	-0.03
Kd of Th-230 in Contaminated Zone	58	0.09	59	0.02	65	0.05	65	0.01
Kd of Th-230 in Unsaturated Zone 1	51	-0.10	50	-0.03	63	-0.05	63	-0.01
Kd of Th-230 in Saturated Zone	40	0.16	46	0.03	8	-0.28	8	-0.06
Kd of U-233 in Saturated Zone	4	-0.57	7	-0.17	74	-0.01	74	0.00
Kd of U-234 in Saturated Zone	21	0.32	23	0.07	48	0.08	48	0.02
Kd of U-235 in Saturated Zone	27	-0.22	10	-0.13	20	-0.21	20	-0.04
Kd of U-238 in Saturated Zone	78	-0.01	67	-0.01	45	0.09	45	0.02
Plant transfer factor for Ac	34	0.20	34	0.05	19	0.21	19	0.04
Meat transfer factor for Ac	10	0.41	11	0.12	28	0.16	28	0.03
Milk transfer factor for Ac	29	-0.22	32	-0.05	47	-0.08	47	-0.02
Fish transfer factor for Ac	37	0.19	33	0.05	38	0.12	37	0.03
Plant transfer factor for Am	52	0.09	61	0.02	33	-0.14	34	-0.03
Meat transfer factor for Am	69	-0.04	73	-0.01	46	-0.08	46	-0.02
Milk transfer factor for Am	41	0.16	43	0.03	24	-0.18	25	-0.04
Fish transfer factor for Am	20	0.32	15	0.08	32	0.14	32	0.03
Plant transfer factor for Pb	64	0.06	62	0.02	80	0.00	80	0.00
Meat transfer factor for Pb	72	-0.03	72	-0.01	66	0.05	66	0.01
Milk transfer factor for Pb	16	-0.34	26	-0.07	39	0.11	39	0.02
Fish transfer factor for Pb	79	-0.01	79	0.00	64	-0.05	64	-0.01
Plant transfer factor for Np	48	-0.11	44	-0.03	12	0.26	12	0.05
Meat transfer factor for Np	8	0.44	12	0.10	75	0.01	75	0.00
Milk transfer factor for Np	14	-0.35	20	-0.08	9	0.28	9	0.06
Fish transfer factor for Np	71	-0.03	74	-0.01	7	-0.31	7	-0.07
Plant transfer factor for Pu	25	0.25	41	0.04	49	0.08	51	0.02
Meat transfer factor for Pu	28	0.22	35	0.05	16	0.24	16	0.05
Milk transfer factor for Pu	67	0.04	71	0.01	70	-0.03	70	-0.01
Fish transfer factor for Pu	31	0.21	31	0.05	62	0.06	61	0.01
Plant transfer factor for Pa	46	0.13	42	0.04	42	0.10	42	0.02
Meat transfer factor for Pa	63	0.06	55	0.02	60	-0.06	60	-0.01
Milk transfer factor for Pa	22	-0.31	22	-0.07	34	0.14	33	0.03
Fish transfer factor for Pa	9	0.43	14	0.09	73	0.02	73	0.00
Plant transfer factor for Ra	65	-0.06	68	-0.01	68	-0.04	68	-0.01
Meat transfer factor for Ra	60	0.08	57	0.02	6	0.32	6	0.07
Milk transfer factor for Ra	39	0.17	47	0.03	40	0.11	40	0.02
Fish transfer factor for Ra	5	0.48	6	0.21	30	-0.14	30	-0.03
Plant transfer factor for Tc	1	0.97	1	0.82	1	0.97	1	0.79
Meat transfer factor for Tc	15	0.35	19	0.08	58	0.06	59	0.01
Milk transfer factor for Tc	54	0.09	58	0.02	11	-0.27	10	-0.06
Fish transfer factor for Tc	19	0.33	25	0.07	29	0.15	29	0.03
Plant transfer factor for Th	33	-0.20	38	-0.05	55	0.07	55	0.01
Meat transfer factor for Th	38	0.19	29	0.06	54	-0.07	54	-0.01
Milk transfer factor for Th	57	0.09	63	0.02	22	-0.18	22	-0.04
Fish transfer factor for Th	32	-0.20	13	-0.09	67	0.04	67	0.01
Plant transfer factor for U	2	0.89	2	0.40	3	0.85	3	0.34
Meat transfer factor for U	75	0.02	77	0.00	57	0.06	57	0.01
Milk transfer factor for U	45	0.14	49	0.03	76	0.01	76	0.00
Fish transfer factor for U	61	-0.07	64	-0.01	23	-0.18	23	-0.04
Well pumping rate	62	0.07	65	0.01	43	-0.09	43	-0.02
Mass loading for inhalation	23	0.28	24	0.07	25	0.18	24	0.04
Indoor dust filtration factor	66	0.05	69	0.01	10	0.27	11	0.06
Depth of soil mixing layer	56	0.09	60	0.02	79	-0.01	79	0.00
Depth of roots	3	-0.81	3	-0.27	2	-0.90	2	-0.42
Wet weight crop yield of fruit, grain and non-leafy vegetables	47	0.12	52	0.02	72	0.02	72	0.00
Weathering removal constant of all vegetation	80	0.00	80	0.00	5	-0.38	5	-0.08
Wet foliar interception fraction of leafy vegetables	76	-0.02	78	0.00	59	-0.06	58	-0.01
R-SQUARE		0.98		0.98		0.96		0.96

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

Coefficients for peak 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	23	0.23	30	0.01	5	-0.63	5	-0.02
Kd of Ac-227 in Unsaturated Zone 1	69	0.05	71	0.00	48	-0.20	48	-0.01
Kd of Ac-227 in Saturated Zone	47	0.11	53	0.00	51	0.18	51	0.01
Kd of Am-241 in Contaminated Zone	75	-0.03	75	0.00	14	-0.51	14	-0.02
Kd of Am-241 in Unsaturated Zone 1	31	-0.18	25	-0.01	61	0.11	61	0.00
Kd of Am-241 in Saturated Zone	12	0.31	7	0.02	17	0.49	17	0.02
Kd of Np-237 in Contaminated Zone	24	-0.22	21	-0.01	35	-0.29	35	-0.01
Kd of Np-237 in Unsaturated Zone 1	55	-0.08	41	0.00	6	0.63	6	0.02
Kd of Np-237 in Saturated Zone	60	-0.06	65	0.00	52	0.17	52	0.01
Kd of Pa-231 in Contaminated Zone	32	0.18	20	0.01	12	0.53	13	0.02
Kd of Pa-231 in Unsaturated Zone 1	52	0.09	34	0.01	18	0.46	18	0.02
Kd of Pa-231 in Saturated Zone	61	-0.06	54	0.00	53	-0.16	53	0.00
Kd of Pb-210 in Contaminated Zone	27	-0.20	29	-0.01	19	-0.45	19	-0.02
Kd of Pb-210 in Unsaturated Zone 1	59	-0.06	62	0.00	40	-0.22	42	-0.01
Kd of Pb-210 in Saturated Zone	46	0.11	43	0.00	72	0.03	72	0.00
Kd of Pu-239 in Contaminated Zone	70	-0.04	68	0.00	56	0.16	56	0.00
Kd of Pu-239 in Unsaturated Zone 1	16	0.27	3	0.03	77	-0.01	77	0.00
Kd of Pu-239 in Saturated Zone	65	0.05	61	0.00	30	0.34	29	0.01
Kd of Ra-226 in Contaminated Zone	41	0.12	46	0.00	32	-0.32	32	-0.01
Kd of Ra-226 in Unsaturated Zone 1	35	0.16	39	0.01	75	-0.02	75	0.00
Kd of Ra-226 in Saturated Zone	17	0.26	24	0.01	64	0.08	64	0.00
Kd of Tc-99 in Saturated Zone	30	0.19	35	0.01	36	0.28	36	0.01
Kd of Th-229 in Contaminated Zone	38	-0.15	26	-0.01	26	0.37	26	0.01
Kd of Th-229 in Unsaturated Zone 1	73	0.04	47	0.00	9	0.55	9	0.02
Kd of Th-229 in Saturated Zone	26	0.20	14	0.01	21	-0.45	21	-0.02
Kd of Th-230 in Contaminated Zone	34	-0.16	31	-0.01	68	0.06	68	0.00
Kd of Th-230 in Unsaturated Zone 1	56	-0.07	56	0.00	42	-0.22	40	-0.01
Kd of Th-230 in Saturated Zone	72	0.04	72	0.00	62	-0.10	62	0.00
Kd of U-233 in Saturated Zone	66	-0.05	70	0.00	15	-0.50	15	-0.02
Kd of U-234 in Saturated Zone	67	0.05	57	0.00	74	-0.02	73	0.00
Kd of U-235 in Saturated Zone	76	-0.01	76	0.00	54	-0.16	54	0.00
Kd of U-238 in Saturated Zone	63	0.06	67	0.00	4	-0.68	4	-0.03
Plant transfer factor for Ac	58	-0.06	63	0.00	33	-0.32	33	-0.01
Meat transfer factor for Ac	62	-0.06	64	0.00	10	-0.54	11	-0.02
Milk transfer factor for Ac	57	0.07	58	0.00	37	0.26	37	0.01
Fish transfer factor for Ac	51	0.09	51	0.00	66	-0.07	66	0.00
Plant transfer factor for Am	54	-0.08	59	0.00	13	0.53	12	0.02
Meat transfer factor for Am	71	0.04	73	0.00	80	0.00	80	0.00
Milk transfer factor for Am	6	0.39	6	0.02	23	0.41	23	0.01
Fish transfer factor for Am	64	-0.05	66	0.00	34	-0.30	34	-0.01
Plant transfer factor for Pb	19	-0.24	11	-0.01	76	-0.02	76	0.00
Meat transfer factor for Pb	15	0.30	22	0.01	73	0.02	74	0.00
Milk transfer factor for Pb	74	0.03	74	0.00	58	0.15	58	0.00
Fish transfer factor for Pb	22	-0.23	8	-0.02	79	0.00	79	0.00
Plant transfer factor for Np	44	0.12	45	0.00	22	0.41	22	0.01
Meat transfer factor for Np	9	0.32	19	0.01	70	0.04	70	0.00
Milk transfer factor for Np	80	0.01	80	0.00	46	0.20	45	0.01
Fish transfer factor for Np	4	0.40	13	0.01	45	0.20	46	0.01
Plant transfer factor for Pu	33	0.18	18	0.01	59	-0.13	59	0.00
Meat transfer factor for Pu	8	-0.33	17	-0.01	71	-0.03	71	0.00
Milk transfer factor for Pu	11	0.31	15	0.01	38	-0.25	38	-0.01
Fish transfer factor for Pu	10	0.32	12	0.01	28	-0.36	28	-0.01
Plant transfer factor for Pa	25	-0.22	32	-0.01	16	-0.49	16	-0.02
Meat transfer factor for Pa	79	-0.01	78	0.00	78	-0.01	78	0.00
Milk transfer factor for Pa	39	-0.14	40	0.00	24	-0.40	25	-0.01
Fish transfer factor for Pa	5	-0.39	4	-0.02	25	-0.40	24	-0.01
Plant transfer factor for Ra	49	-0.10	52	0.00	47	-0.20	47	-0.01
Meat transfer factor for Ra	53	-0.09	60	0.00	31	0.34	31	0.01
Milk transfer factor for Ra	40	0.13	42	0.00	67	0.06	67	0.00
Fish transfer factor for Ra	42	-0.12	44	0.00	7	0.63	7	0.02
Plant transfer factor for Tc	14	0.31	9	0.02	8	0.61	8	0.02
Meat transfer factor for Tc	18	0.25	16	0.01	43	-0.22	41	-0.01
Milk transfer factor for Tc	48	-0.11	49	0.00	41	0.22	43	0.01
Fish transfer factor for Tc	13	-0.31	23	-0.01	27	-0.37	27	-0.01
Plant transfer factor for Th	7	-0.33	10	-0.02	65	0.07	65	0.00
Meat transfer factor for Th	50	-0.10	55	0.00	69	0.05	69	0.00
Milk transfer factor for Th	68	0.05	69	0.00	57	-0.15	57	0.00
Fish transfer factor for Th	36	0.16	36	0.01	63	-0.08	63	0.00
Plant transfer factor for U	2	0.95	2	0.09	2	0.91	2	0.07
Meat transfer factor for U	1	1.00	1	1.00	1	1.00	1	1.00
Milk transfer factor for U	28	-0.20	33	-0.01	50	0.18	50	0.01
Fish transfer factor for U	77	0.01	77	0.00	49	0.18	49	0.01
Well pumping rate	78	0.01	79	0.00	29	0.35	30	0.01
Mass loading for inhalation	21	-0.23	28	-0.01	44	-0.20	44	-0.01
Indoor dust filtration factor	45	0.12	50	0.00	60	-0.12	60	0.00
Depth of soil mixing layer	20	-0.24	27	-0.01	20	-0.45	20	-0.02
Depth of roots	3	-0.52	5	-0.02	3	-0.77	3	-0.04
Wet weight crop yield of fruit, grain and non-leafy vegetables	43	0.12	48	0.00	55	-0.16	55	0.00
Weathering removal constant of all vegetation	29	-0.19	38	-0.01	39	0.23	39	0.01
Wet foliar interception fraction of leafy vegetables	37	-0.16	37	-0.01	11	-0.54	10	-0.02
R-SQUARE		1.00		1.00		1.00		1.00

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

Coefficients for peak 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	62	0.06	38	0.01	58	0.06	59	0.00
Kd of Ac-227 in Unsaturated Zone 1	67	-0.04	68	0.00	67	-0.04	67	0.00
Kd of Ac-227 in Saturated Zone	23	-0.29	29	-0.01	50	0.10	50	0.01
Kd of Am-241 in Contaminated Zone	37	-0.18	43	-0.01	70	-0.02	70	0.00
Kd of Am-241 in Unsaturated Zone 1	35	-0.19	34	-0.01	17	0.29	18	0.02
Kd of Am-241 in Saturated Zone	42	0.17	31	0.01	71	-0.02	71	0.00
Kd of Np-237 in Contaminated Zone	4	0.58	3	0.07	8	0.38	8	0.03
Kd of Np-237 in Unsaturated Zone 1	63	-0.06	64	0.00	22	0.28	22	0.02
Kd of Np-237 in Saturated Zone	66	-0.04	66	0.00	59	-0.06	58	0.00
Kd of Pa-231 in Contaminated Zone	7	0.53	9	0.04	75	0.01	75	0.00
Kd of Pa-231 in Unsaturated Zone 1	56	0.09	58	0.00	14	-0.33	14	-0.02
Kd of Pa-231 in Saturated Zone	64	0.05	35	0.01	23	0.22	23	0.02
Kd of Pb-210 in Contaminated Zone	50	0.14	52	0.01	74	0.01	74	0.00
Kd of Pb-210 in Unsaturated Zone 1	15	0.36	6	0.05	66	0.04	66	0.00
Kd of Pb-210 in Saturated Zone	48	0.14	53	0.01	76	0.00	76	0.00
Kd of Pu-239 in Contaminated Zone	24	-0.27	11	-0.04	46	-0.11	46	-0.01
Kd of Pu-239 in Unsaturated Zone 1	58	-0.09	62	0.00	38	0.15	38	0.01
Kd of Pu-239 in Saturated Zone	59	0.09	60	0.00	11	-0.34	12	-0.03
Kd of Ra-226 in Contaminated Zone	65	-0.05	45	-0.01	53	0.08	53	0.01
Kd of Ra-226 in Unsaturated Zone 1	16	-0.36	18	-0.02	34	-0.17	34	-0.01
Kd of Ra-226 in Saturated Zone	79	-0.01	79	0.00	39	0.15	39	0.01
Kd of Tc-99 in Saturated Zone	20	-0.32	21	-0.02	51	-0.09	51	-0.01
Kd of Th-229 in Contaminated Zone	61	-0.07	65	0.00	57	-0.06	57	0.00
Kd of Th-229 in Unsaturated Zone 1	30	-0.22	26	-0.01	28	-0.19	28	-0.01
Kd of Th-229 in Saturated Zone	44	0.15	8	0.04	61	-0.06	61	0.00
Kd of Th-230 in Contaminated Zone	71	0.02	69	0.00	60	0.06	60	0.00
Kd of Th-230 in Unsaturated Zone 1	47	0.14	49	0.01	15	0.32	15	0.02
Kd of Th-230 in Saturated Zone	78	0.01	80	0.00	32	0.17	31	0.01
Kd of U-233 in Saturated Zone	39	-0.18	4	-0.05	26	0.20	26	0.01
Kd of U-234 in Saturated Zone	57	0.09	59	0.00	29	-0.19	29	-0.01
Kd of U-235 in Saturated Zone	9	-0.51	5	-0.05	25	-0.20	25	-0.01
Kd of U-238 in Saturated Zone	21	-0.32	17	-0.02	45	-0.13	44	-0.01
Plant transfer factor for Ac	34	-0.20	42	-0.01	44	-0.13	45	-0.01
Meat transfer factor for Ac	55	0.10	61	0.00	37	0.15	37	0.01
Milk transfer factor for Ac	8	-0.51	14	-0.03	54	-0.07	54	0.00
Fish transfer factor for Ac	43	0.17	37	0.01	72	-0.02	72	0.00
Plant transfer factor for Am	51	-0.13	57	-0.01	69	-0.02	69	0.00
Meat transfer factor for Am	33	0.21	33	0.01	31	0.17	33	0.01
Milk transfer factor for Am	41	-0.17	50	-0.01	43	-0.13	43	-0.01
Fish transfer factor for Am	54	0.11	56	0.01	65	-0.04	65	0.00
Plant transfer factor for Pb	26	-0.25	25	-0.01	80	0.00	80	0.00
Meat transfer factor for Pb	53	0.11	54	0.01	36	0.16	36	0.01
Milk transfer factor for Pb	40	0.17	39	0.01	41	0.15	40	0.01
Fish transfer factor for Pb	22	-0.31	28	-0.01	49	-0.10	49	-0.01
Plant transfer factor for Np	31	-0.22	30	-0.01	10	0.34	10	0.03
Meat transfer factor for Np	14	0.37	23	0.01	55	0.07	55	0.00
Milk transfer factor for Np	73	0.01	75	0.00	62	-0.05	62	0.00
Fish transfer factor for Np	60	-0.08	63	0.00	77	0.00	77	0.00
Plant transfer factor for Pu	76	0.01	76	0.00	19	-0.29	19	-0.02
Meat transfer factor for Pu	70	-0.02	71	0.00	40	0.15	41	0.01
Milk transfer factor for Pu	74	-0.01	74	0.00	48	0.10	48	0.01
Fish transfer factor for Pu	10	-0.49	15	-0.03	24	0.21	24	0.02
Plant transfer factor for Pa	75	-0.01	73	0.00	27	0.20	27	0.01
Meat transfer factor for Pa	5	0.54	10	0.04	9	-0.38	9	-0.03
Milk transfer factor for Pa	32	-0.21	40	-0.01	78	0.00	78	0.00
Fish transfer factor for Pa	12	-0.43	12	-0.03	42	-0.14	42	-0.01
Plant transfer factor for Ra	38	0.18	47	0.01	56	-0.07	56	0.00
Meat transfer factor for Ra	52	-0.13	55	-0.01	73	-0.02	73	0.00
Milk transfer factor for Ra	29	0.23	27	0.01	13	-0.33	13	-0.03
Fish transfer factor for Ra	69	0.03	70	0.00	64	-0.04	64	0.00
Plant transfer factor for Tc	3	0.73	7	0.05	3	0.64	3	0.06
Meat transfer factor for Tc	13	0.39	24	0.01	5	0.57	5	0.05
Milk transfer factor for Tc	27	-0.25	41	-0.01	63	-0.05	63	0.00
Fish transfer factor for Tc	72	-0.02	72	0.00	6	0.45	6	0.03
Plant transfer factor for Th	45	-0.15	44	-0.01	16	0.32	16	0.02
Meat transfer factor for Th	19	0.33	22	0.02	30	-0.18	30	-0.01
Milk transfer factor for Th	68	-0.04	67	0.00	52	0.08	52	0.01
Fish transfer factor for Th	80	0.00	78	0.00	33	-0.17	32	-0.01
Plant transfer factor for U	2	0.89	2	0.08	2	0.67	2	0.06
Meat transfer factor for U	1	1.00	1	0.98	1	1.00	1	0.99
Milk transfer factor for U	49	-0.14	48	-0.01	20	-0.29	20	-0.02
Fish transfer factor for U	28	0.23	36	0.01	7	-0.40	7	-0.03
Well pumping rate	18	0.33	19	0.02	12	-0.34	11	-0.03
Mass loading for inhalation	46	0.15	51	0.01	68	-0.03	68	0.00
Indoor dust filtration factor	77	0.01	77	0.00	47	0.10	47	0.01
Depth of soil mixing layer	17	0.35	20	0.02	18	-0.29	17	-0.02
Depth of roots	6	-0.53	13	-0.03	4	-0.59	4	-0.05
Wet weight crop yield of fruit, grain and non-leafy vegetables	11	-0.44	16	-0.02	35	-0.16	35	-0.01
Weathering removal constant of all vegetation	25	0.26	32	0.01	79	0.00	79	0.00
Wet foliar interception fraction of leafy vegetables	36	0.18	46	0.01	21	-0.28	21	-0.02
R-SQUARE		1.00		1.00		1.00		1.00

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

Coefficients for peak 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	71	0.04	75	0.00	47	-0.18	47	-0.01
Kd of Ac-227 in Unsaturated Zone 1	54	0.11	39	0.01	32	0.29	32	0.01
Kd of Ac-227 in Saturated Zone	44	0.14	38	0.01	78	-0.03	78	0.00
Kd of Am-241 in Contaminated Zone	72	-0.03	66	0.00	9	0.48	9	0.02
Kd of Am-241 in Unsaturated Zone 1	14	-0.27	24	-0.01	74	0.05	74	0.00
Kd of Am-241 in Saturated Zone	78	-0.02	69	0.00	21	-0.36	21	-0.02
Kd of Np-237 in Contaminated Zone	18	0.26	12	0.02	27	0.30	28	0.01
Kd of Np-237 in Unsaturated Zone 1	64	0.07	63	0.00	35	-0.26	35	-0.01
Kd of Np-237 in Saturated Zone	15	-0.27	10	-0.03	76	-0.04	76	0.00
Kd of Pa-231 in Contaminated Zone	13	-0.29	7	-0.03	50	-0.16	50	-0.01
Kd of Pa-231 in Unsaturated Zone 1	70	0.04	70	0.00	58	-0.12	59	0.00
Kd of Pa-231 in Saturated Zone	55	-0.10	50	-0.01	33	-0.28	33	-0.01
Kd of Pb-210 in Contaminated Zone	41	0.15	13	0.02	6	-0.61	6	-0.03
Kd of Pb-210 in Unsaturated Zone 1	35	-0.17	11	-0.02	77	0.03	77	0.00
Kd of Pb-210 in Saturated Zone	16	-0.27	23	-0.02	59	-0.12	58	0.00
Kd of Pu-239 in Contaminated Zone	51	-0.12	54	-0.01	15	-0.41	15	-0.02
Kd of Pu-239 in Unsaturated Zone 1	40	-0.15	48	-0.01	29	-0.30	30	-0.01
Kd of Pu-239 in Saturated Zone	6	0.49	9	0.03	42	0.20	43	0.01
Kd of Ra-226 in Contaminated Zone	74	0.03	77	0.00	22	-0.35	22	-0.02
Kd of Ra-226 in Unsaturated Zone 1	69	-0.04	74	0.00	34	0.27	34	0.01
Kd of Ra-226 in Saturated Zone	53	0.12	40	0.01	25	0.34	25	0.02
Kd of Tc-99 in Saturated Zone	10	0.32	19	0.02	17	-0.40	17	-0.02
Kd of Th-229 in Contaminated Zone	19	0.25	26	0.01	55	-0.14	55	-0.01
Kd of Th-229 in Unsaturated Zone 1	46	-0.13	34	-0.01	61	0.11	61	0.00
Kd of Th-229 in Saturated Zone	28	-0.21	4	-0.07	53	-0.14	53	-0.01
Kd of Th-230 in Contaminated Zone	47	0.13	53	0.01	11	0.46	11	0.02
Kd of Th-230 in Unsaturated Zone 1	65	0.07	62	0.01	31	-0.29	31	-0.01
Kd of Th-230 in Saturated Zone	34	-0.17	44	-0.01	19	-0.39	19	-0.02
Kd of U-233 in Saturated Zone	59	0.09	60	0.01	12	0.46	12	0.02
Kd of U-234 in Saturated Zone	50	-0.12	55	-0.01	43	0.20	41	0.01
Kd of U-235 in Saturated Zone	62	0.08	32	0.01	13	-0.46	13	-0.02
Kd of U-238 in Saturated Zone	20	0.24	2	0.10	73	-0.05	73	0.00
Plant transfer factor for Ac	12	0.29	16	0.02	68	0.07	68	0.00
Meat transfer factor for Ac	60	0.09	57	0.01	26	0.33	26	0.01
Milk transfer factor for Ac	38	-0.16	41	-0.01	44	0.19	44	0.01
Fish transfer factor for Ac	61	-0.08	59	-0.01	79	-0.03	79	0.00
Plant transfer factor for Am	79	-0.01	79	0.00	67	0.07	67	0.00
Meat transfer factor for Am	31	-0.19	33	-0.01	66	-0.07	66	0.00
Milk transfer factor for Am	52	-0.12	56	-0.01	60	-0.11	60	0.00
Fish transfer factor for Am	24	0.22	25	0.01	72	0.05	72	0.00
Plant transfer factor for Pb	73	0.03	72	0.00	52	0.15	52	0.01
Meat transfer factor for Pb	49	-0.13	46	-0.01	7	0.54	7	0.03
Milk transfer factor for Pb	33	-0.17	47	-0.01	51	-0.16	51	-0.01
Fish transfer factor for Pb	30	-0.20	37	-0.01	18	0.40	18	0.02
Plant transfer factor for Np	17	0.26	14	0.02	56	-0.13	56	-0.01
Meat transfer factor for Np	7	0.34	18	0.02	75	0.04	75	0.00
Milk transfer factor for Np	11	0.30	22	0.02	38	0.24	38	0.01
Fish transfer factor for Np	22	0.24	30	0.01	54	0.14	54	0.01
Plant transfer factor for Pu	57	0.09	64	0.00	20	-0.38	20	-0.02
Meat transfer factor for Pu	56	0.09	61	0.01	36	0.25	36	0.01
Milk transfer factor for Pu	37	0.16	43	0.01	10	-0.47	10	-0.02
Fish transfer factor for Pu	58	0.09	58	0.01	39	-0.23	39	-0.01
Plant transfer factor for Pa	26	0.21	20	0.02	71	-0.05	71	0.00
Meat transfer factor for Pa	68	0.05	65	0.00	24	0.34	24	0.02
Milk transfer factor for Pa	9	-0.33	15	-0.02	63	-0.10	63	0.00
Fish transfer factor for Pa	77	-0.02	78	0.00	65	-0.09	65	0.00
Plant transfer factor for Ra	32	0.18	42	0.01	64	-0.09	64	0.00
Meat transfer factor for Ra	23	-0.23	27	-0.01	41	0.20	42	0.01
Milk transfer factor for Ra	67	-0.05	73	0.00	28	0.30	27	0.01
Fish transfer factor for Ra	76	0.02	71	0.00	57	-0.12	57	-0.01
Plant transfer factor for Tc	3	0.70	5	0.05	3	0.70	3	0.04
Meat transfer factor for Tc	4	0.57	6	0.04	4	0.64	4	0.03
Milk transfer factor for Tc	43	-0.14	52	-0.01	8	-0.51	8	-0.03
Fish transfer factor for Tc	25	0.21	31	0.01	69	0.06	69	0.00
Plant transfer factor for Th	75	0.03	76	0.00	23	0.35	23	0.02
Meat transfer factor for Th	39	-0.16	29	-0.01	62	0.11	62	0.00
Milk transfer factor for Th	66	0.06	68	0.00	48	-0.18	48	-0.01
Fish transfer factor for Th	42	0.15	21	0.02	37	0.24	37	0.01
Plant transfer factor for U	2	0.83	3	0.08	2	0.90	2	0.09
Meat transfer factor for U	1	1.00	1	0.99	1	1.00	1	0.99
Milk transfer factor for U	45	0.14	51	0.01	40	-0.22	40	-0.01
Fish transfer factor for U	29	-0.20	36	-0.01	46	0.19	46	0.01
Well pumping rate	21	-0.24	28	-0.01	70	-0.06	70	0.00
Mass loading for inhalation	48	0.13	49	0.01	49	-0.18	49	-0.01
Indoor dust filtration factor	8	-0.33	17	-0.02	30	-0.30	29	-0.01
Depth of soil mixing layer	36	-0.16	45	-0.01	14	-0.41	14	-0.02
Depth of roots	5	-0.55	8	-0.03	5	-0.62	5	-0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	80	0.01	80	0.00	80	0.02	80	0.00
Weathering removal constant of all vegetation	27	-0.21	35	-0.01	16	-0.40	16	-0.02
Wet foliar interception fraction of leafy vegetables	63	0.07	67	0.00	45	0.19	45	0.01
R-SQUARE		1.00		1.00		1.00		1.00

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

Coefficients for peak 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	57	-0.13	58	-0.02	50	-0.22	50	-0.02
Kd of Ac-227 in Unsaturated Zone 1	26	-0.31	35	-0.03	74	-0.06	74	-0.01
Kd of Ac-227 in Saturated Zone	3	0.89	5	0.19	51	-0.22	51	-0.02
Kd of Am-241 in Contaminated Zone	55	0.15	55	0.02	31	-0.35	32	-0.04
Kd of Am-241 in Unsaturated Zone 1	37	-0.25	30	-0.04	77	0.03	77	0.00
Kd of Am-241 in Saturated Zone	30	-0.29	19	-0.05	10	0.51	10	0.06
Kd of Np-237 in Contaminated Zone	63	-0.09	59	-0.01	58	0.16	58	0.02
Kd of Np-237 in Unsaturated Zone 1	77	-0.04	71	-0.01	7	0.63	7	0.09
Kd of Np-237 in Saturated Zone	62	0.09	64	0.01	44	0.25	44	0.03
Kd of Pa-231 in Contaminated Zone	74	-0.04	67	-0.01	25	-0.38	25	-0.04
Kd of Pa-231 in Unsaturated Zone 1	32	0.28	12	0.07	59	0.14	59	0.01
Kd of Pa-231 in Saturated Zone	70	-0.05	68	-0.01	65	-0.09	65	-0.01
Kd of Pb-210 in Contaminated Zone	35	-0.26	32	-0.04	9	0.53	9	0.07
Kd of Pb-210 in Unsaturated Zone 1	71	-0.05	75	-0.01	33	0.34	33	0.04
Kd of Pb-210 in Saturated Zone	28	0.30	27	0.04	43	0.25	43	0.03
Kd of Pu-239 in Contaminated Zone	19	0.33	21	0.04	57	-0.17	57	-0.02
Kd of Pu-239 in Unsaturated Zone 1	8	0.53	4	0.20	70	-0.08	70	-0.01
Kd of Pu-239 in Saturated Zone	16	-0.35	17	-0.05	20	0.42	20	0.05
Kd of Ra-226 in Contaminated Zone	78	-0.01	78	0.00	45	0.24	45	0.03
Kd of Ra-226 in Unsaturated Zone 1	11	0.51	14	0.06	21	0.42	21	0.05
Kd of Ra-226 in Saturated Zone	68	-0.06	72	-0.01	22	-0.42	22	-0.05
Kd of Tc-99 in Saturated Zone	25	0.31	33	0.04	30	-0.36	30	-0.04
Kd of Th-229 in Contaminated Zone	17	-0.35	11	-0.07	52	0.21	52	0.02
Kd of Th-229 in Unsaturated Zone 1	10	-0.51	3	-0.21	63	0.10	63	0.01
Kd of Th-229 in Saturated Zone	58	0.13	40	0.03	39	-0.28	39	-0.03
Kd of Th-230 in Contaminated Zone	18	-0.33	15	-0.06	48	-0.23	49	-0.02
Kd of Th-230 in Unsaturated Zone 1	50	-0.16	49	-0.02	47	0.23	46	0.03
Kd of Th-230 in Saturated Zone	72	-0.05	76	-0.01	80	0.00	80	0.00
Kd of U-233 in Saturated Zone	9	0.53	13	0.07	49	0.23	48	0.03
Kd of U-234 in Saturated Zone	60	-0.11	53	-0.02	61	0.12	61	0.01
Kd of U-235 in Saturated Zone	27	0.30	20	0.05	18	0.43	17	0.05
Kd of U-238 in Saturated Zone	59	-0.13	61	-0.01	73	-0.06	73	-0.01
Plant transfer factor for Ac	67	0.07	69	0.01	71	0.07	71	0.01
Meat transfer factor for Ac	65	-0.08	66	-0.01	66	0.09	66	0.01
Milk transfer factor for Ac	47	-0.19	46	-0.02	26	0.37	27	0.04
Fish transfer factor for Ac	14	-0.36	18	-0.05	64	-0.09	64	-0.01
Plant transfer factor for Am	46	-0.20	54	-0.02	75	-0.04	75	0.00
Meat transfer factor for Am	54	0.15	57	0.02	35	0.33	35	0.04
Milk transfer factor for Am	24	0.32	24	0.04	62	-0.11	62	-0.01
Fish transfer factor for Am	48	0.17	52	0.02	29	0.36	28	0.04
Plant transfer factor for Pb	76	0.04	70	0.01	19	-0.43	19	-0.05
Meat transfer factor for Pb	69	0.06	73	0.01	72	-0.06	72	-0.01
Milk transfer factor for Pb	15	0.35	25	0.04	42	-0.26	42	-0.03
Fish transfer factor for Pb	23	-0.32	9	-0.08	76	0.04	76	0.00
Plant transfer factor for Np	49	-0.17	51	-0.02	14	0.44	14	0.05
Meat transfer factor for Np	44	0.21	48	0.02	78	-0.03	78	0.00
Milk transfer factor for Np	73	-0.05	74	-0.01	79	0.01	79	0.00
Fish transfer factor for Np	61	0.10	63	0.01	46	0.24	47	0.03
Plant transfer factor for Pu	51	0.16	34	0.03	60	-0.13	60	-0.01
Meat transfer factor for Pu	12	-0.38	22	-0.04	28	-0.36	29	-0.04
Milk transfer factor for Pu	36	0.25	37	0.03	5	-0.70	5	-0.10
Fish transfer factor for Pu	66	0.08	65	0.01	15	0.44	16	0.05
Plant transfer factor for Pa	7	-0.53	10	-0.07	27	0.37	26	0.04
Meat transfer factor for Pa	38	0.24	31	0.04	32	0.35	31	0.04
Milk transfer factor for Pa	34	0.26	38	0.03	11	-0.50	12	-0.06
Fish transfer factor for Pa	31	0.29	16	0.05	38	-0.29	38	-0.03
Plant transfer factor for Ra	80	-0.01	80	0.00	34	0.34	34	0.04
Meat transfer factor for Ra	79	-0.01	79	0.00	54	-0.19	54	-0.02
Milk transfer factor for Ra	13	0.38	23	0.04	69	-0.09	69	-0.01
Fish transfer factor for Ra	43	-0.21	43	-0.02	23	0.41	23	0.05
Plant transfer factor for Tc	2	0.91	2	0.35	2	0.95	2	0.32
Meat transfer factor for Tc	45	0.20	36	0.03	55	-0.19	55	-0.02
Milk transfer factor for Tc	5	0.72	7	0.12	3	0.93	3	0.26
Fish transfer factor for Tc	56	-0.13	60	-0.01	40	-0.27	41	-0.03
Plant transfer factor for Th	52	-0.16	47	-0.02	24	0.40	24	0.05
Meat transfer factor for Th	29	0.30	39	0.03	41	0.27	40	0.03
Milk transfer factor for Th	21	-0.33	26	-0.04	13	-0.46	13	-0.06
Fish transfer factor for Th	40	0.22	42	0.03	12	0.49	11	0.06
Plant transfer factor for U	4	0.81	6	0.13	4	0.70	4	0.11
Meat transfer factor for U	39	0.22	45	0.02	36	-0.33	36	-0.04
Milk transfer factor for U	1	0.99	1	0.84	1	0.99	1	0.83
Fish transfer factor for U	64	-0.09	62	-0.01	37	-0.31	37	-0.03
Well pumping rate	33	0.27	41	0.03	16	-0.44	15	-0.05
Mass loading for inhalation	22	0.32	28	0.04	8	0.60	8	0.08
Indoor dust filtration factor	20	0.33	29	0.04	53	0.20	53	0.02
Depth of soil mixing layer	42	-0.21	44	-0.02	56	-0.18	56	-0.02
Depth of roots	6	-0.71	8	-0.09	6	-0.69	6	-0.10
Wet weight crop yield of fruit, grain and non-leafy vegetables	53	0.15	56	0.02	17	0.43	18	0.05
Weathering removal constant of all vegetation	41	-0.21	50	-0.02	67	-0.09	67	-0.01
Wet foliar interception fraction of leafy vegetables	75	-0.04	77	0.00	68	0.09	68	0.01
R-SQUARE		1.00		1.00		0.99		0.99

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

Coefficients for peak 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	65	-0.06	24	-0.11	60	0.09	59	0.01
Kd of Ac-227 in Unsaturated Zone 1	67	0.05	69	0.03	37	-0.17	38	-0.03
Kd of Ac-227 in Saturated Zone	60	-0.07	65	-0.03	42	-0.16	42	-0.03
Kd of Am-241 in Contaminated Zone	48	-0.11	50	-0.06	6	-0.44	6	-0.08
Kd of Am-241 in Unsaturated Zone 1	68	0.05	64	0.03	26	0.22	26	0.04
Kd of Am-241 in Saturated Zone	51	-0.10	42	-0.07	36	-0.17	37	-0.03
Kd of Np-237 in Contaminated Zone	13	-0.24	6	-0.26	48	0.13	48	0.02
Kd of Np-237 in Unsaturated Zone 1	15	0.23	20	0.13	32	0.19	33	0.03
Kd of Np-237 in Saturated Zone	21	-0.19	33	-0.09	33	-0.19	32	-0.03
Kd of Pa-231 in Contaminated Zone	45	-0.12	36	-0.09	19	-0.29	19	-0.05
Kd of Pa-231 in Unsaturated Zone 1	23	-0.19	26	-0.11	8	-0.44	8	-0.08
Kd of Pa-231 in Saturated Zone	11	0.25	2	0.54	5	0.49	5	0.10
Kd of Pb-210 in Contaminated Zone	19	0.21	29	0.11	35	-0.18	35	-0.03
Kd of Pb-210 in Unsaturated Zone 1	74	-0.02	67	-0.03	15	0.33	15	0.06
Kd of Pb-210 in Saturated Zone	80	0.00	80	0.00	9	-0.40	9	-0.07
Kd of Pu-239 in Contaminated Zone	52	0.10	18	0.14	7	0.44	7	0.08
Kd of Pu-239 in Unsaturated Zone 1	33	0.15	41	0.07	47	-0.13	47	-0.02
Kd of Pu-239 in Saturated Zone	79	0.01	79	0.01	34	-0.19	34	-0.03
Kd of Ra-226 in Contaminated Zone	14	-0.23	3	-0.50	28	0.21	28	0.04
Kd of Ra-226 in Unsaturated Zone 1	63	0.06	63	0.03	80	0.00	80	0.00
Kd of Ra-226 in Saturated Zone	20	-0.20	22	-0.12	21	-0.26	21	-0.05
Kd of Tc-99 in Saturated Zone	56	0.08	61	0.04	23	-0.25	23	-0.04
Kd of Th-229 in Contaminated Zone	35	0.14	47	0.06	46	-0.13	46	-0.02
Kd of Th-229 in Unsaturated Zone 1	34	-0.15	31	-0.10	22	-0.25	22	-0.04
Kd of Th-229 in Saturated Zone	58	0.08	7	0.24	75	0.02	75	0.00
Kd of Th-230 in Contaminated Zone	47	0.11	27	0.11	20	-0.27	20	-0.05
Kd of Th-230 in Unsaturated Zone 1	28	-0.17	25	-0.11	10	0.39	10	0.07
Kd of Th-230 in Saturated Zone	31	0.16	43	0.07	74	-0.02	74	0.00
Kd of U-233 in Saturated Zone	64	-0.06	10	-0.20	58	-0.09	58	-0.02
Kd of U-234 in Saturated Zone	76	0.02	76	0.01	63	-0.07	63	-0.01
Kd of U-235 in Saturated Zone	17	0.22	9	0.21	77	0.01	77	0.00
Kd of U-238 in Saturated Zone	36	-0.14	39	-0.08	73	0.02	73	0.00
Plant transfer factor for Ac	70	-0.04	71	-0.02	27	-0.22	27	-0.04
Meat transfer factor for Ac	5	0.38	12	0.18	41	0.16	41	0.03
Milk transfer factor for Ac	49	-0.11	52	-0.06	51	0.12	53	0.02
Fish transfer factor for Ac	29	0.16	30	0.11	11	0.37	11	0.07
Plant transfer factor for Am	22	0.19	38	0.08	49	-0.13	50	-0.02
Meat transfer factor for Am	40	-0.12	45	-0.07	76	0.01	76	0.00
Milk transfer factor for Am	71	0.04	72	0.02	61	0.08	62	0.01
Fish transfer factor for Am	57	-0.08	59	-0.04	67	0.04	67	0.01
Plant transfer factor for Pb	54	0.10	49	0.06	45	-0.14	45	-0.03
Meat transfer factor for Pb	55	-0.09	58	-0.05	13	0.36	13	0.07
Milk transfer factor for Pb	50	-0.10	46	-0.06	72	0.03	72	0.00
Fish transfer factor for Pb	73	0.03	74	0.01	30	0.19	30	0.03
Plant transfer factor for Np	53	0.10	53	0.05	71	0.03	71	0.01
Meat transfer factor for Np	42	-0.12	57	-0.05	16	-0.31	16	-0.06
Milk transfer factor for Np	72	0.03	73	0.02	40	-0.16	40	-0.03
Fish transfer factor for Np	78	0.01	77	0.01	14	-0.35	14	-0.06
Plant transfer factor for Pu	41	0.12	56	0.05	70	-0.03	70	-0.01
Meat transfer factor for Pu	38	0.12	54	0.05	66	0.04	66	0.01
Milk transfer factor for Pu	8	-0.32	15	-0.16	52	0.12	51	0.02
Fish transfer factor for Pu	9	0.30	14	0.17	12	0.37	12	0.07
Plant transfer factor for Pa	27	0.17	32	0.10	57	0.11	57	0.02
Meat transfer factor for Pa	26	-0.17	23	-0.11	54	-0.12	54	-0.02
Milk transfer factor for Pa	24	0.19	34	0.09	17	0.30	17	0.05
Fish transfer factor for Pa	39	0.12	35	0.09	53	-0.12	52	-0.02
Plant transfer factor for Ra	10	0.29	16	0.15	44	0.15	44	0.03
Meat transfer factor for Ra	16	-0.22	28	-0.11	68	0.04	68	0.01
Milk transfer factor for Ra	12	0.24	17	0.15	62	0.08	61	0.01
Fish transfer factor for Ra	77	0.01	78	0.01	25	-0.23	25	-0.04
Plant transfer factor for Tc	3	0.65	5	0.41	2	0.92	2	0.41
Meat transfer factor for Tc	25	-0.18	44	-0.07	24	0.24	24	0.04
Milk transfer factor for Tc	1	0.71	4	0.43	3	0.85	3	0.28
Fish transfer factor for Tc	4	0.42	8	0.22	79	0.00	79	0.00
Plant transfer factor for Th	61	0.07	60	0.04	78	0.01	78	0.00
Meat transfer factor for Th	66	-0.06	68	-0.03	65	-0.05	65	-0.01
Milk transfer factor for Th	32	0.15	40	0.08	43	0.15	43	0.03
Fish transfer factor for Th	37	-0.13	19	-0.14	69	0.04	69	0.01
Plant transfer factor for U	69	-0.05	70	-0.02	55	0.12	55	0.02
Meat transfer factor for U	18	0.21	21	0.12	39	0.16	39	0.03
Milk transfer factor for U	2	0.71	1	0.68	1	0.98	1	0.80
Fish transfer factor for U	43	0.12	51	0.06	29	0.20	29	0.04
Well pumping rate	75	0.02	75	0.01	38	-0.17	36	-0.03
Mass loading for inhalation	6	-0.37	11	-0.19	18	-0.30	18	-0.05
Indoor dust filtration factor	59	-0.07	62	-0.03	56	0.11	56	0.02
Depth of soil mixing layer	44	-0.12	48	-0.06	64	-0.05	64	-0.01
Depth of roots	7	-0.32	13	-0.17	4	-0.78	4	-0.21
Wet weight crop yield of fruit, grain and non-leafy vegetables	46	0.11	55	0.05	59	0.09	60	0.01
Weathering removal constant of all vegetation	62	0.07	66	0.03	31	0.19	31	0.03
Wet foliar interception fraction of leafy vegetables	30	-0.16	37	-0.08	50	-0.12	49	-0.02
R-SQUARE		0.91		0.91		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 Milk (WaterInd.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	12	-0.32	18	-0.09	51	0.14	51	0.02
Kd of Ac-227 in Unsaturated Zone 1	15	0.26	10	0.12	40	0.18	40	0.02
Kd of Ac-227 in Saturated Zone	73	0.05	69	0.02	59	-0.10	59	-0.01
Kd of Am-241 in Contaminated Zone	80	0.00	80	0.00	37	0.20	37	0.03
Kd of Am-241 in Unsaturated Zone 1	64	-0.08	66	-0.02	54	-0.14	54	-0.02
Kd of Am-241 in Saturated Zone	60	0.11	29	0.07	64	-0.08	64	-0.01
Kd of Np-237 in Contaminated Zone	34	-0.20	26	-0.08	11	-0.42	11	-0.06
Kd of Np-237 in Unsaturated Zone 1	61	0.10	65	0.03	27	0.29	27	0.04
Kd of Np-237 in Saturated Zone	40	-0.18	27	-0.08	73	0.04	73	0.01
Kd of Pa-231 in Contaminated Zone	65	-0.08	52	-0.04	34	-0.22	34	-0.03
Kd of Pa-231 in Unsaturated Zone 1	18	0.26	23	0.08	43	0.18	43	0.02
Kd of Pa-231 in Saturated Zone	33	0.20	31	0.07	53	0.14	53	0.02
Kd of Pb-210 in Contaminated Zone	46	-0.16	14	-0.10	17	-0.36	17	-0.05
Kd of Pb-210 in Unsaturated Zone 1	53	0.13	22	0.08	58	0.10	58	0.01
Kd of Pb-210 in Saturated Zone	8	0.43	9	0.12	49	-0.15	49	-0.02
Kd of Pu-239 in Contaminated Zone	51	-0.15	53	-0.04	18	0.35	19	0.05
Kd of Pu-239 in Unsaturated Zone 1	58	-0.12	62	-0.03	39	0.19	39	0.03
Kd of Pu-239 in Saturated Zone	42	0.18	55	0.04	68	0.07	68	0.01
Kd of Ra-226 in Contaminated Zone	26	-0.23	41	-0.05	21	0.34	22	0.05
Kd of Ra-226 in Unsaturated Zone 1	57	0.12	63	0.03	29	-0.25	29	-0.03
Kd of Ra-226 in Saturated Zone	19	-0.26	15	-0.10	7	-0.47	7	-0.07
Kd of Tc-99 in Saturated Zone	70	0.05	74	0.01	9	-0.44	9	-0.07
Kd of Th-229 in Contaminated Zone	35	0.20	40	0.05	62	0.09	62	0.01
Kd of Th-229 in Unsaturated Zone 1	11	-0.35	5	-0.14	16	0.36	16	0.05
Kd of Th-229 in Saturated Zone	77	-0.03	38	-0.05	48	-0.15	48	-0.02
Kd of Th-230 in Contaminated Zone	29	0.21	39	0.05	5	0.55	5	0.09
Kd of Th-230 in Unsaturated Zone 1	22	0.24	20	0.09	38	0.19	38	0.03
Kd of Th-230 in Saturated Zone	6	0.46	11	0.12	78	0.01	78	0.00
Kd of U-233 in Saturated Zone	21	-0.24	28	-0.07	79	0.01	79	0.00
Kd of U-234 in Saturated Zone	36	0.19	44	0.05	30	0.22	30	0.03
Kd of U-235 in Saturated Zone	54	-0.13	21	-0.08	41	-0.18	41	-0.02
Kd of U-238 in Saturated Zone	66	0.07	8	0.13	65	-0.08	65	-0.01
Plant transfer factor for Ac	55	0.12	57	0.04	35	0.22	35	0.03
Meat transfer factor for Ac	7	0.44	4	0.16	46	-0.16	47	-0.02
Milk transfer factor for Ac	27	-0.22	33	-0.06	56	-0.13	56	-0.02
Fish transfer factor for Ac	62	-0.10	61	-0.03	42	-0.18	42	-0.02
Plant transfer factor for Am	78	0.03	78	0.01	77	-0.01	77	0.00
Meat transfer factor for Am	44	-0.17	51	-0.04	76	-0.03	76	0.00
Milk transfer factor for Am	72	0.05	75	0.01	80	0.00	80	0.00
Fish transfer factor for Am	49	0.15	49	0.05	22	0.34	21	0.05
Plant transfer factor for Pb	16	-0.26	19	-0.09	66	0.07	66	0.01
Meat transfer factor for Pb	47	-0.16	43	-0.05	31	0.22	31	0.03
Milk transfer factor for Pb	20	-0.25	36	-0.06	60	0.09	60	0.01
Fish transfer factor for Pb	69	0.06	71	0.01	52	0.14	52	0.02
Plant transfer factor for Np	39	-0.18	32	-0.06	13	-0.39	13	-0.06
Meat transfer factor for Np	23	0.24	35	0.06	33	0.22	33	0.03
Milk transfer factor for Np	50	-0.15	56	-0.04	20	0.35	20	0.05
Fish transfer factor for Np	71	0.05	76	0.01	8	0.46	8	0.07
Plant transfer factor for Pu	48	0.16	59	0.03	44	-0.17	45	-0.02
Meat transfer factor for Pu	38	0.19	45	0.05	28	0.28	28	0.04
Milk transfer factor for Pu	13	0.28	30	0.07	26	-0.29	26	-0.04
Fish transfer factor for Pu	17	0.26	25	0.08	69	0.07	70	0.01
Plant transfer factor for Pa	79	0.01	79	0.00	12	-0.41	12	-0.06
Meat transfer factor for Pa	24	0.24	16	0.10	47	0.16	46	0.02
Milk transfer factor for Pa	41	-0.18	47	-0.05	74	-0.04	74	-0.01
Fish transfer factor for Pa	10	0.38	17	0.09	75	0.04	75	0.01
Plant transfer factor for Ra	59	0.11	64	0.03	10	-0.43	10	-0.06
Meat transfer factor for Ra	30	-0.21	34	-0.06	50	0.14	50	0.02
Milk transfer factor for Ra	67	-0.07	72	-0.01	57	-0.10	57	-0.01
Fish transfer factor for Ra	25	0.23	12	0.11	25	-0.29	25	-0.04
Plant transfer factor for Tc	2	0.82	2	0.33	2	0.92	2	0.32
Meat transfer factor for Tc	9	0.38	13	0.11	14	0.39	14	0.06
Milk transfer factor for Tc	3	0.71	3	0.24	3	0.85	3	0.22
Fish transfer factor for Tc	5	0.48	7	0.13	6	0.50	6	0.08
Plant transfer factor for Th	43	-0.17	46	-0.05	61	0.09	61	0.01
Meat transfer factor for Th	75	-0.04	73	-0.01	32	-0.22	32	-0.03
Milk transfer factor for Th	31	-0.21	50	-0.04	24	-0.30	24	-0.04
Fish transfer factor for Th	76	0.03	68	0.02	55	0.13	55	0.02
Plant transfer factor for U	68	0.06	70	0.02	63	0.09	63	0.01
Meat transfer factor for U	56	0.12	60	0.03	23	0.33	23	0.05
Milk transfer factor for U	1	0.96	1	0.89	1	0.99	1	0.85
Fish transfer factor for U	63	0.08	67	0.02	19	0.35	18	0.05
Well pumping rate	32	-0.21	42	-0.05	36	0.21	36	0.03
Mass loading for inhalation	14	0.27	24	0.08	15	-0.37	15	-0.05
Indoor dust filtration factor	28	-0.21	37	-0.06	72	-0.06	72	-0.01
Depth of soil mixing layer	52	0.14	58	0.03	67	0.07	67	0.01
Depth of roots	4	-0.50	6	-0.13	4	-0.75	4	-0.15
Wet weight crop yield of fruit, grain and non-leafy vegetables	45	0.16	54	0.04	70	-0.07	69	-0.01
Weathering removal constant of all vegetation	74	0.04	77	0.01	45	-0.17	44	-0.02
Wet foliar interception fraction of leafy vegetables	37	0.19	48	0.05	71	0.06	71	0.01

R-SQUARE

0.98 0.98 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	20	0.24	27	0.22	3	0.66	3	0.17
Kd of Ac-227 in Unsaturated Zone 1	51	0.10	57	0.08	63	0.12	63	0.02
Kd of Ac-227 in Saturated Zone	48	-0.11	52	-0.09	30	0.27	31	0.05
Kd of Am-241 in Contaminated Zone	35	0.16	39	0.15	61	0.12	61	0.02
Kd of Am-241 in Unsaturated Zone 1	4	0.45	2	0.58	24	0.33	24	0.07
Kd of Am-241 in Saturated Zone	54	0.09	46	0.12	54	0.16	54	0.03
Kd of Np-237 in Contaminated Zone	23	0.21	18	0.27	2	0.95	2	0.57
Kd of Np-237 in Unsaturated Zone 1	73	-0.02	69	-0.03	11	0.40	11	0.08
Kd of Np-237 in Saturated Zone	8	0.39	11	0.36	18	0.36	18	0.07
Kd of Pa-231 in Contaminated Zone	17	0.26	7	0.42	1	0.95	1	0.61
Kd of Pa-231 in Unsaturated Zone 1	40	-0.15	17	-0.27	8	-0.46	8	-0.10
Kd of Pa-231 in Saturated Zone	80	0.00	80	-0.01	33	-0.25	33	-0.05
Kd of Pb-210 in Contaminated Zone	25	0.20	28	0.21	13	0.38	13	0.08
Kd of Pb-210 in Unsaturated Zone 1	29	-0.20	32	-0.18	39	-0.23	39	-0.04
Kd of Pb-210 in Saturated Zone	55	-0.09	54	-0.08	12	-0.39	12	-0.08
Kd of Pu-239 in Contaminated Zone	45	-0.13	43	-0.13	6	-0.49	6	-0.11
Kd of Pu-239 in Unsaturated Zone 1	63	-0.06	36	-0.15	49	-0.18	49	-0.04
Kd of Pu-239 in Saturated Zone	42	0.13	38	0.15	72	0.06	72	0.01
Kd of Ra-226 in Contaminated Zone	6	0.42	9	0.39	4	0.54	4	0.13
Kd of Ra-226 in Unsaturated Zone 1	70	-0.03	72	-0.03	22	0.33	21	0.07
Kd of Ra-226 in Saturated Zone	7	0.40	10	0.36	74	-0.05	74	-0.01
Kd of Tc-99 in Saturated Zone	61	-0.07	63	-0.06	53	0.16	53	0.03
Kd of Th-229 in Contaminated Zone	71	-0.02	68	-0.03	16	-0.37	16	-0.08
Kd of Th-229 in Unsaturated Zone 1	27	0.20	4	0.56	32	0.26	32	0.05
Kd of Th-229 in Saturated Zone	75	-0.02	74	-0.02	66	0.10	67	0.02
Kd of Th-230 in Contaminated Zone	28	-0.20	22	-0.25	52	0.17	52	0.03
Kd of Th-230 in Unsaturated Zone 1	2	-0.47	5	-0.53	20	-0.34	20	-0.07
Kd of Th-230 in Saturated Zone	34	-0.17	37	-0.15	68	0.09	68	0.02
Kd of U-233 in Saturated Zone	65	-0.06	65	-0.04	71	-0.06	71	-0.01
Kd of U-234 in Saturated Zone	15	0.28	8	0.39	25	0.33	23	0.07
Kd of U-235 in Saturated Zone	5	-0.44	3	-0.56	35	0.24	35	0.05
Kd of U-238 in Saturated Zone	77	-0.01	77	-0.01	60	0.13	60	0.02
Plant transfer factor for Ac	44	-0.13	47	-0.12	56	0.15	56	0.03
Meat transfer factor for Ac	58	-0.08	60	-0.07	50	-0.18	50	-0.03
Milk transfer factor for Ac	62	0.07	62	0.06	36	-0.24	36	-0.05
Fish transfer factor for Ac	18	0.26	19	0.27	58	0.14	58	0.03
Plant transfer factor for Am	47	0.12	53	0.08	69	-0.08	69	-0.02
Meat transfer factor for Am	78	0.01	78	0.01	27	-0.30	27	-0.06
Milk transfer factor for Am	22	0.24	23	0.24	75	0.03	75	0.01
Fish transfer factor for Am	38	0.16	41	0.13	28	-0.29	28	-0.06
Plant transfer factor for Pb	57	-0.09	45	-0.12	46	0.19	46	0.04
Meat transfer factor for Pb	26	0.20	34	0.16	14	0.38	14	0.08
Milk transfer factor for Pb	56	-0.09	59	-0.07	38	0.23	38	0.05
Fish transfer factor for Pb	43	0.13	24	0.23	7	-0.46	7	-0.10
Plant transfer factor for Np	21	0.24	25	0.22	70	0.08	70	0.02
Meat transfer factor for Np	72	-0.02	75	-0.02	57	0.15	57	0.03
Milk transfer factor for Np	32	0.19	31	0.18	77	0.01	77	0.00
Fish transfer factor for Np	66	-0.05	67	-0.04	76	0.02	76	0.00
Plant transfer factor for Pu	74	0.02	73	0.02	80	0.00	80	0.00
Meat transfer factor for Pu	59	0.08	61	0.07	34	-0.24	34	-0.05
Milk transfer factor for Pu	3	-0.45	6	-0.46	79	0.00	79	0.00
Fish transfer factor for Pu	67	-0.04	66	-0.04	51	-0.17	51	-0.03
Plant transfer factor for Pa	46	0.12	49	0.11	65	0.10	65	0.02
Meat transfer factor for Pa	13	-0.29	12	-0.35	31	-0.26	30	-0.05
Milk transfer factor for Pa	12	-0.30	20	-0.26	19	-0.35	19	-0.07
Fish transfer factor for Pa	33	-0.19	21	-0.25	17	0.37	17	0.08
Plant transfer factor for Ra	19	-0.24	30	-0.20	45	-0.20	45	-0.04
Meat transfer factor for Ra	68	0.04	71	0.03	42	-0.21	42	-0.04
Milk transfer factor for Ra	36	-0.16	42	-0.13	21	-0.34	22	-0.07
Fish transfer factor for Ra	52	-0.10	51	-0.09	62	0.12	62	0.02
Plant transfer factor for Tc	79	0.00	79	-0.01	15	-0.37	15	-0.08
Meat transfer factor for Tc	1	-0.49	1	-0.65	43	-0.21	43	-0.04
Milk transfer factor for Tc	60	-0.08	58	-0.07	73	-0.06	73	-0.01
Fish transfer factor for Tc	50	0.10	56	0.08	23	0.33	25	0.07
Plant transfer factor for Th	16	-0.27	15	-0.31	5	0.53	5	0.13
Meat transfer factor for Th	9	0.36	16	0.27	10	0.42	10	0.09
Milk transfer factor for Th	64	0.06	64	0.05	48	-0.18	48	-0.04
Fish transfer factor for Th	49	0.11	50	0.10	41	0.22	41	0.04
Plant transfer factor for U	14	-0.29	26	-0.22	47	-0.19	47	-0.04
Meat transfer factor for U	10	-0.36	14	-0.32	40	-0.22	40	-0.04
Milk transfer factor for U	11	-0.36	13	-0.35	29	-0.29	29	-0.06
Fish transfer factor for U	31	-0.19	29	-0.21	9	-0.43	9	-0.09
Well pumping rate	24	-0.20	35	-0.15	44	-0.20	44	-0.04
Mass loading for inhalation	30	-0.19	33	-0.17	64	-0.12	64	-0.02
Indoor dust filtration factor	41	-0.14	44	-0.12	78	0.01	78	0.00
Depth of soil mixing layer	69	-0.03	70	-0.03	26	0.32	26	0.07
Depth of roots	37	-0.16	48	-0.11	37	-0.23	37	-0.05
Wet weight crop yield of fruit, grain and non-leafy vegetables	53	0.10	55	0.08	55	-0.16	55	-0.03
Weathering removal constant of all vegetation	76	0.01	76	0.01	59	-0.14	59	-0.03
Wet foliar interception fraction of leafy vegetables	39	-0.15	40	-0.14	67	-0.10	66	-0.02

R-SQUARE 0.73 0.73 0.96 0.96

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

Coefficients for peak Soil Ingestion Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	16	0.20	4	0.81	4	0.58	4	0.15
Kd of Ac-227 in Unsaturated Zone 1	59	-0.06	61	-0.06	8	0.40	8	0.09
Kd of Ac-227 in Saturated Zone	2	-0.29	16	-0.28	73	0.02	73	0.00
Kd of Am-241 in Contaminated Zone	25	-0.16	30	-0.18	50	0.09	50	0.02
Kd of Am-241 in Unsaturated Zone 1	40	-0.11	36	-0.14	71	-0.03	71	-0.01
Kd of Am-241 in Saturated Zone	33	0.13	25	0.21	34	-0.19	34	-0.04
Kd of Np-237 in Contaminated Zone	17	0.20	6	0.44	2	0.93	2	0.54
Kd of Np-237 in Unsaturated Zone 1	61	-0.05	60	-0.07	65	-0.05	65	-0.01
Kd of Np-237 in Saturated Zone	50	0.09	50	0.09	49	-0.09	49	-0.02
Kd of Pa-231 in Contaminated Zone	4	0.26	7	0.43	1	0.95	1	0.64
Kd of Pa-231 in Unsaturated Zone 1	47	-0.09	42	-0.11	47	-0.10	47	-0.02
Kd of Pa-231 in Saturated Zone	8	-0.23	1	-1.06	54	0.08	53	0.02
Kd of Pb-210 in Contaminated Zone	49	0.09	49	0.09	70	-0.03	70	-0.01
Kd of Pb-210 in Unsaturated Zone 1	73	-0.02	59	-0.07	39	0.14	39	0.03
Kd of Pb-210 in Saturated Zone	34	-0.13	37	-0.13	68	-0.04	68	-0.01
Kd of Pu-239 in Contaminated Zone	35	-0.13	9	-0.40	17	0.33	17	0.07
Kd of Pu-239 in Unsaturated Zone 1	41	0.10	43	0.11	6	0.44	6	0.10
Kd of Pu-239 in Saturated Zone	21	0.18	26	0.20	62	-0.05	62	-0.01
Kd of Ra-226 in Contaminated Zone	29	0.14	5	0.61	66	0.04	66	0.01
Kd of Ra-226 in Unsaturated Zone 1	24	0.16	32	0.17	11	0.35	12	0.08
Kd of Ra-226 in Saturated Zone	10	0.22	19	0.27	13	0.35	13	0.08
Kd of Tc-99 in Saturated Zone	19	-0.19	28	-0.20	69	0.03	69	0.01
Kd of Th-229 in Contaminated Zone	37	0.12	45	0.11	44	-0.11	44	-0.02
Kd of Th-229 in Unsaturated Zone 1	42	-0.10	38	-0.13	19	0.32	19	0.07
Kd of Th-229 in Saturated Zone	32	0.14	3	0.90	31	0.21	31	0.05
Kd of Th-230 in Contaminated Zone	36	-0.13	18	-0.28	3	0.78	3	0.25
Kd of Th-230 in Unsaturated Zone 1	20	0.18	21	0.26	25	0.26	25	0.06
Kd of Th-230 in Saturated Zone	7	0.23	23	0.22	74	-0.02	74	0.00
Kd of U-233 in Saturated Zone	28	-0.14	2	-0.96	35	-0.17	35	-0.04
Kd of U-234 in Saturated Zone	30	0.14	33	0.17	76	-0.01	76	0.00
Kd of U-235 in Saturated Zone	12	-0.21	8	-0.43	80	0.00	80	0.00
Kd of U-238 in Saturated Zone	69	-0.03	68	-0.04	24	-0.27	24	-0.06
Plant transfer factor for Ac	76	-0.02	76	-0.02	40	-0.13	40	-0.03
Meat transfer factor for Ac	79	0.01	79	0.01	7	-0.41	7	-0.09
Milk transfer factor for Ac	6	-0.23	20	-0.26	41	-0.13	42	-0.03
Fish transfer factor for Ac	15	0.20	15	0.28	63	0.05	64	0.01
Plant transfer factor for Am	56	0.08	58	0.07	72	0.02	72	0.01
Meat transfer factor for Am	31	-0.14	35	-0.16	18	-0.32	18	-0.07
Milk transfer factor for Am	58	0.06	62	0.06	57	-0.06	58	-0.01
Fish transfer factor for Am	1	0.31	11	0.36	51	0.09	51	0.02
Plant transfer factor for Pb	54	-0.08	46	-0.10	48	0.09	48	0.02
Meat transfer factor for Pb	9	-0.23	17	-0.28	26	-0.26	26	-0.06
Milk transfer factor for Pb	48	0.09	41	0.11	23	0.28	22	0.06
Fish transfer factor for Pb	52	0.08	56	0.08	27	-0.23	27	-0.05
Plant transfer factor for Np	66	-0.04	66	-0.05	30	-0.22	30	-0.05
Meat transfer factor for Np	70	-0.03	72	-0.02	16	0.33	16	0.07
Milk transfer factor for Np	80	0.00	80	0.00	61	0.06	61	0.01
Fish transfer factor for Np	53	0.08	53	0.08	60	-0.06	60	-0.01
Plant transfer factor for Pu	14	0.21	31	0.18	52	-0.08	52	-0.02
Meat transfer factor for Pu	11	0.22	27	0.20	5	0.48	5	0.11
Milk transfer factor for Pu	74	0.02	74	0.02	9	-0.38	9	-0.09
Fish transfer factor for Pu	57	0.08	52	0.08	56	-0.07	56	-0.01
Plant transfer factor for Pa	45	0.09	44	0.11	10	0.36	10	0.08
Meat transfer factor for Pa	26	0.15	24	0.21	58	0.06	57	0.01
Milk transfer factor for Pa	3	-0.27	14	-0.30	37	-0.16	37	-0.03
Fish transfer factor for Pa	18	-0.19	13	-0.30	78	0.01	78	0.00
Plant transfer factor for Ra	39	-0.11	40	-0.12	20	-0.31	20	-0.07
Meat transfer factor for Ra	72	0.02	73	0.02	12	0.35	11	0.08
Milk transfer factor for Ra	60	0.06	57	0.07	33	0.21	33	0.05
Fish transfer factor for Ra	22	-0.18	34	-0.16	46	0.10	46	0.02
Plant transfer factor for Tc	75	0.02	75	0.02	55	-0.08	55	-0.02
Meat transfer factor for Tc	43	-0.09	55	-0.08	59	0.06	59	0.01
Milk transfer factor for Tc	13	-0.21	29	-0.19	15	-0.34	14	-0.08
Fish transfer factor for Tc	65	0.04	67	0.04	28	0.23	28	0.05
Plant transfer factor for Th	23	-0.17	22	-0.24	53	-0.08	54	-0.02
Meat transfer factor for Th	51	0.08	51	0.09	22	-0.28	23	-0.06
Milk transfer factor for Th	77	0.02	77	0.02	36	0.16	36	0.03
Fish transfer factor for Th	27	0.15	12	0.35	32	0.21	32	0.05
Plant transfer factor for U	55	0.08	54	0.08	42	-0.13	41	-0.03
Meat transfer factor for U	78	0.01	78	0.02	75	-0.02	75	0.00
Milk transfer factor for U	5	-0.25	10	-0.37	29	0.22	29	0.05
Fish transfer factor for U	62	0.05	63	0.05	79	0.01	79	0.00
Well pumping rate	64	0.05	64	0.05	67	-0.04	67	-0.01
Mass loading for inhalation	46	-0.09	48	-0.09	38	0.14	38	0.03
Indoor dust filtration factor	67	0.03	70	0.03	43	-0.12	43	-0.03
Depth of soil mixing layer	44	0.09	47	0.10	64	-0.05	63	-0.01
Depth of roots	38	-0.12	39	-0.12	45	-0.11	45	-0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	71	-0.02	71	-0.02	77	-0.01	77	0.00
Weathering removal constant of all vegetation	63	0.05	65	0.05	14	-0.34	15	-0.08
Wet foliar interception fraction of leafy vegetables	68	-0.03	69	-0.03	21	-0.30	21	-0.07

R-SQUARE 0.61 0.61 0.96 0.96

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

Coefficients for peak Soil Ingestion Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	61	0.08	62	0.08	5	0.64	4	0.15
Kd of Ac-227 in Unsaturated Zone 1	24	-0.17	13	-0.27	67	0.06	66	0.01
Kd of Ac-227 in Saturated Zone	80	0.00	80	0.00	57	0.13	57	0.02
Kd of Am-241 in Contaminated Zone	43	0.12	17	0.24	78	0.01	78	0.00
Kd of Am-241 in Unsaturated Zone 1	42	0.12	51	0.11	18	0.37	18	0.07
Kd of Am-241 in Saturated Zone	62	-0.07	30	-0.18	41	-0.23	41	-0.04
Kd of Np-237 in Contaminated Zone	6	0.31	6	0.46	2	0.94	2	0.51
Kd of Np-237 in Unsaturated Zone 1	51	-0.11	52	-0.11	31	-0.31	30	-0.06
Kd of Np-237 in Saturated Zone	32	-0.15	18	-0.23	24	-0.33	24	-0.06
Kd of Pa-231 in Contaminated Zone	29	0.16	12	0.31	1	0.97	1	0.66
Kd of Pa-231 in Unsaturated Zone 1	56	0.09	53	0.11	63	-0.09	63	-0.02
Kd of Pa-231 in Saturated Zone	66	-0.05	65	-0.07	14	0.46	15	0.09
Kd of Pb-210 in Contaminated Zone	47	0.11	14	0.26	35	0.29	34	0.05
Kd of Pb-210 in Unsaturated Zone 1	60	-0.09	23	-0.21	48	-0.17	50	-0.03
Kd of Pb-210 in Saturated Zone	1	-0.59	3	-0.70	52	-0.16	52	-0.03
Kd of Pu-239 in Contaminated Zone	31	-0.16	38	-0.15	75	0.02	75	0.00
Kd of Pu-239 in Unsaturated Zone 1	78	0.00	78	0.00	47	-0.18	47	-0.03
Kd of Pu-239 in Saturated Zone	76	0.01	76	0.01	20	0.36	20	0.07
Kd of Ra-226 in Contaminated Zone	37	0.14	49	0.11	54	-0.15	54	-0.03
Kd of Ra-226 in Unsaturated Zone 1	46	-0.11	59	-0.10	64	0.08	64	0.01
Kd of Ra-226 in Saturated Zone	8	-0.27	7	-0.40	9	0.53	9	0.11
Kd of Tc-99 in Saturated Zone	38	0.14	44	0.14	76	-0.02	76	0.00
Kd of Th-229 in Contaminated Zone	15	-0.23	19	-0.23	49	-0.17	48	-0.03
Kd of Th-229 in Unsaturated Zone 1	12	0.25	9	0.36	22	0.35	21	0.07
Kd of Th-229 in Saturated Zone	10	-0.26	2	-1.59	72	0.02	72	0.00
Kd of Th-230 in Contaminated Zone	41	0.14	47	0.13	3	0.66	3	0.16
Kd of Th-230 in Unsaturated Zone 1	4	-0.35	5	-0.50	59	-0.12	59	-0.02
Kd of Th-230 in Saturated Zone	22	0.19	37	0.16	6	-0.58	6	-0.13
Kd of U-233 in Saturated Zone	26	-0.17	27	-0.19	17	0.39	17	0.08
Kd of U-234 in Saturated Zone	18	0.22	25	0.21	33	0.29	33	0.06
Kd of U-235 in Saturated Zone	71	0.03	66	0.06	7	0.56	7	0.12
Kd of U-238 in Saturated Zone	13	0.24	1	1.64	71	0.04	71	0.01
Plant transfer factor for Ac	59	-0.09	58	-0.10	13	-0.46	13	-0.09
Meat transfer factor for Ac	63	-0.07	61	-0.08	65	0.07	65	0.01
Milk transfer factor for Ac	54	0.10	57	0.10	36	0.26	36	0.05
Fish transfer factor for Ac	45	0.12	41	0.14	80	0.01	80	0.00
Plant transfer factor for Am	74	-0.02	74	-0.02	19	0.37	19	0.07
Meat transfer factor for Am	19	0.20	26	0.20	12	0.49	12	0.10
Milk transfer factor for Am	23	-0.17	33	-0.17	37	0.26	37	0.05
Fish transfer factor for Am	57	-0.09	56	-0.10	16	0.43	16	0.08
Plant transfer factor for Pb	11	0.26	11	0.32	60	0.11	60	0.02
Meat transfer factor for Pb	20	-0.19	20	-0.22	43	-0.22	43	-0.04
Milk transfer factor for Pb	75	-0.01	75	-0.01	28	-0.31	28	-0.06
Fish transfer factor for Pb	21	-0.19	32	-0.17	51	-0.17	51	-0.03
Plant transfer factor for Np	39	0.14	31	0.17	42	0.23	42	0.04
Meat transfer factor for Np	70	0.03	71	0.03	38	0.25	38	0.05
Milk transfer factor for Np	49	-0.11	60	-0.10	66	-0.06	67	-0.01
Fish transfer factor for Np	27	0.16	43	0.14	69	0.06	69	0.01
Plant transfer factor for Pu	7	0.28	21	0.21	4	0.64	5	0.15
Meat transfer factor for Pu	79	0.00	79	0.00	62	-0.09	62	-0.02
Milk transfer factor for Pu	44	-0.12	50	-0.11	56	-0.14	56	-0.03
Fish transfer factor for Pu	64	-0.07	64	-0.07	70	-0.04	70	-0.01
Plant transfer factor for Pa	53	-0.10	40	-0.15	68	0.06	68	0.01
Meat transfer factor for Pa	55	-0.10	42	-0.14	46	-0.18	46	-0.03
Milk transfer factor for Pa	48	0.11	55	0.10	79	0.01	79	0.00
Fish transfer factor for Pa	30	0.16	45	0.13	40	0.25	40	0.05
Plant transfer factor for Ra	9	-0.27	15	-0.24	34	-0.29	35	-0.05
Meat transfer factor for Ra	36	0.15	35	0.16	53	0.16	53	0.03
Milk transfer factor for Ra	17	0.23	29	0.18	50	0.17	49	0.03
Fish transfer factor for Ra	5	0.32	4	0.57	45	-0.19	45	-0.04
Plant transfer factor for Tc	3	0.36	10	0.34	29	0.31	31	0.06
Meat transfer factor for Tc	14	-0.24	16	-0.24	10	-0.51	10	-0.11
Milk transfer factor for Tc	69	-0.04	70	-0.03	15	0.45	14	0.09
Fish transfer factor for Tc	25	0.17	39	0.15	44	0.21	44	0.04
Plant transfer factor for Th	52	0.10	54	0.11	58	0.13	58	0.02
Meat transfer factor for Th	40	0.14	28	0.18	8	0.56	8	0.12
Milk transfer factor for Th	35	0.15	48	0.12	77	0.02	77	0.00
Fish transfer factor for Th	50	-0.11	24	-0.21	74	0.02	74	0.00
Plant transfer factor for U	16	-0.23	22	-0.21	26	-0.32	25	-0.06
Meat transfer factor for U	2	0.37	8	0.38	27	0.32	27	0.06
Milk transfer factor for U	73	0.02	73	0.02	39	-0.25	39	-0.05
Fish transfer factor for U	58	-0.09	63	-0.08	30	0.31	29	0.06
Well pumping rate	65	0.06	67	0.06	11	-0.49	11	-0.10
Mass loading for inhalation	33	0.15	34	0.16	61	-0.10	61	-0.02
Indoor dust filtration factor	28	-0.16	36	-0.16	32	-0.30	32	-0.06
Depth of soil mixing layer	77	0.01	77	0.01	21	0.35	22	0.07
Depth of roots	68	0.04	69	0.04	55	-0.15	55	-0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	34	0.15	46	0.13	25	-0.32	26	-0.06
Weathering removal constant of all vegetation	67	-0.05	68	-0.05	23	-0.34	23	-0.06
Wet foliar interception fraction of leafy vegetables	72	-0.02	72	-0.02	73	0.02	73	0.00

R-SQUARE 0.70 0.70 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 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	67	-0.08	67	-0.06	22	0.20	22	0.07
Kd of Ac-227 in Unsaturated Zone 1	46	-0.17	55	-0.11	36	0.14	36	0.05
Kd of Ac-227 in Saturated Zone	43	0.18	54	0.12	6	-0.38	7	-0.14
Kd of Am-241 in Contaminated Zone	33	0.23	35	0.18	58	-0.06	59	-0.02
Kd of Am-241 in Unsaturated Zone 1	59	0.12	50	0.12	39	-0.13	39	-0.04
Kd of Am-241 in Saturated Zone	38	0.20	28	0.21	42	0.11	43	0.04
Kd of Np-237 in Contaminated Zone	51	-0.15	39	-0.17	7	-0.38	6	-0.14
Kd of Np-237 in Unsaturated Zone 1	4	-0.48	3	-0.71	1	-0.90	1	-0.72
Kd of Np-237 in Saturated Zone	2	-0.57	6	-0.51	4	-0.47	4	-0.18
Kd of Pa-231 in Contaminated Zone	49	-0.16	30	-0.21	57	-0.07	57	-0.02
Kd of Pa-231 in Unsaturated Zone 1	18	-0.32	5	-0.52	3	-0.47	3	-0.18
Kd of Pa-231 in Saturated Zone	35	-0.23	17	-0.27	50	-0.09	50	-0.03
Kd of Pb-210 in Contaminated Zone	60	-0.12	59	-0.11	49	-0.10	48	-0.03
Kd of Pb-210 in Unsaturated Zone 1	28	-0.27	26	-0.22	27	-0.17	27	-0.06
Kd of Pb-210 in Saturated Zone	31	0.25	27	0.22	10	-0.35	10	-0.13
Kd of Pu-239 in Contaminated Zone	25	0.27	23	0.24	63	0.05	63	0.02
Kd of Pu-239 in Unsaturated Zone 1	1	0.60	1	1.58	55	0.08	55	0.03
Kd of Pu-239 in Saturated Zone	73	0.04	72	0.04	35	0.14	34	0.05
Kd of Ra-226 in Contaminated Zone	65	-0.09	65	-0.06	68	-0.03	68	-0.01
Kd of Ra-226 in Unsaturated Zone 1	70	0.05	71	0.04	59	0.06	58	0.02
Kd of Ra-226 in Saturated Zone	23	0.28	29	0.21	30	0.16	30	0.05
Kd of Tc-99 in Saturated Zone	17	-0.33	22	-0.25	40	0.13	40	0.04
Kd of Th-229 in Contaminated Zone	63	0.10	49	0.13	61	-0.05	61	-0.02
Kd of Th-229 in Unsaturated Zone 1	5	-0.48	2	-1.31	64	0.05	64	0.02
Kd of Th-229 in Saturated Zone	9	0.42	4	0.65	60	0.06	60	0.02
Kd of Th-230 in Contaminated Zone	62	0.10	58	0.11	62	0.05	62	0.02
Kd of Th-230 in Unsaturated Zone 1	48	0.16	46	0.14	79	-0.01	79	0.00
Kd of Th-230 in Saturated Zone	69	0.05	69	0.04	47	-0.10	47	-0.04
Kd of U-233 in Saturated Zone	72	-0.04	74	-0.03	77	-0.01	77	-0.01
Kd of U-234 in Saturated Zone	47	0.17	34	0.20	75	-0.02	75	-0.01
Kd of U-235 in Saturated Zone	80	0.00	80	0.00	29	-0.16	29	-0.06
Kd of U-238 in Saturated Zone	54	-0.15	60	-0.10	25	-0.18	24	-0.06
Plant transfer factor for Ac	39	-0.19	43	-0.15	34	-0.14	33	-0.05
Meat transfer factor for Ac	22	0.28	25	0.22	11	0.32	12	0.11
Milk transfer factor for Ac	19	-0.31	21	-0.26	26	0.18	26	0.06
Fish transfer factor for Ac	6	-0.45	8	-0.43	9	-0.36	9	-0.13
Plant transfer factor for Am	24	-0.27	37	-0.18	15	0.26	15	0.09
Meat transfer factor for Am	30	0.25	36	0.18	28	0.17	28	0.06
Milk transfer factor for Am	74	-0.03	75	-0.03	56	-0.07	56	-0.03
Fish transfer factor for Am	20	0.31	24	0.24	41	-0.11	41	-0.04
Plant transfer factor for Pb	75	0.02	73	0.03	52	0.09	52	0.03
Meat transfer factor for Pb	14	-0.37	16	-0.27	18	-0.23	18	-0.08
Milk transfer factor for Pb	26	0.27	31	0.20	43	0.11	42	0.04
Fish transfer factor for Pb	56	0.13	32	0.20	13	0.28	13	0.10
Plant transfer factor for Np	3	0.48	9	0.43	76	-0.02	76	-0.01
Meat transfer factor for Np	58	-0.13	62	-0.09	37	0.13	37	0.05
Milk transfer factor for Np	21	0.30	20	0.26	51	-0.09	51	-0.03
Fish transfer factor for Np	37	-0.20	47	-0.13	44	-0.11	44	-0.04
Plant transfer factor for Pu	64	-0.09	51	-0.12	70	0.02	71	0.01
Meat transfer factor for Pu	8	0.44	11	0.35	78	-0.01	78	0.00
Milk transfer factor for Pu	79	0.01	79	0.01	12	-0.31	11	-0.12
Fish transfer factor for Pu	41	-0.18	40	-0.16	17	0.23	17	0.08
Plant transfer factor for Pa	52	0.15	53	0.12	67	-0.04	67	-0.01
Meat transfer factor for Pa	11	0.39	10	0.43	71	-0.02	70	-0.01
Milk transfer factor for Pa	27	0.27	33	0.20	69	0.03	69	0.01
Fish transfer factor for Pa	13	-0.38	7	-0.48	16	-0.24	16	-0.09
Plant transfer factor for Ra	34	0.23	38	0.17	32	0.14	32	0.05
Meat transfer factor for Ra	7	-0.44	14	-0.29	2	-0.48	2	-0.19
Milk transfer factor for Ra	50	-0.16	57	-0.11	38	-0.13	38	-0.05
Fish transfer factor for Ra	10	-0.41	12	-0.35	14	-0.27	14	-0.09
Plant transfer factor for Tc	78	-0.01	77	-0.01	45	-0.11	46	-0.04
Meat transfer factor for Tc	68	0.06	66	0.06	80	0.00	80	0.00
Milk transfer factor for Tc	71	0.05	70	0.04	73	0.02	73	0.01
Fish transfer factor for Tc	77	-0.02	78	-0.01	23	0.19	23	0.06
Plant transfer factor for Th	53	-0.15	44	-0.15	72	0.02	72	0.01
Meat transfer factor for Th	32	0.23	42	0.15	31	0.14	31	0.05
Milk transfer factor for Th	45	0.17	48	0.13	5	0.40	5	0.15
Fish transfer factor for Th	12	-0.39	13	-0.32	46	-0.11	45	-0.04
Plant transfer factor for U	55	0.14	63	0.09	54	-0.09	54	-0.03
Meat transfer factor for U	36	0.21	41	0.16	20	0.22	20	0.08
Milk transfer factor for U	76	0.02	76	0.02	65	0.05	65	0.02
Fish transfer factor for U	29	-0.26	18	-0.26	21	-0.20	21	-0.07
Well pumping rate	44	-0.17	56	-0.11	66	0.04	66	0.01
Mass loading for inhalation	42	0.18	45	0.14	53	0.09	53	0.03
Indoor dust filtration factor	57	-0.13	61	-0.09	8	-0.37	8	-0.14
Depth of soil mixing layer	61	-0.10	64	-0.08	48	0.10	49	0.03
Depth of roots	66	0.08	68	0.05	19	-0.23	19	-0.08
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	0.36	15	0.28	74	0.02	74	0.01
Weathering removal constant of all vegetation	40	-0.19	52	-0.12	33	-0.14	35	-0.05
Wet foliar interception fraction of leafy vegetables	16	-0.33	19	-0.26	24	0.18	25	0.06
R-SQUARE		0.80		0.80		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 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	11	0.28	1	1.02	36	-0.23	36	-0.06
Kd of Ac-227 in Unsaturated Zone 1	64	0.07	65	0.06	70	0.04	70	0.01
Kd of Ac-227 in Saturated Zone	65	-0.07	69	-0.05	76	-0.02	76	0.00
Kd of Am-241 in Contaminated Zone	9	0.29	19	0.29	33	-0.24	33	-0.06
Kd of Am-241 in Unsaturated Zone 1	27	0.21	30	0.23	20	-0.39	20	-0.11
Kd of Am-241 in Saturated Zone	20	-0.23	16	-0.32	73	-0.04	73	-0.01
Kd of Np-237 in Contaminated Zone	30	-0.20	12	-0.39	13	-0.50	13	-0.15
Kd of Np-237 in Unsaturated Zone 1	74	-0.02	75	-0.02	1	-0.91	1	-0.56
Kd of Np-237 in Saturated Zone	3	-0.35	14	-0.33	12	-0.51	12	-0.15
Kd of Pa-231 in Contaminated Zone	22	-0.23	15	-0.33	15	-0.45	15	-0.13
Kd of Pa-231 in Unsaturated Zone 1	62	0.07	59	0.08	3	-0.71	3	-0.25
Kd of Pa-231 in Saturated Zone	72	0.03	46	0.13	29	-0.26	30	-0.07
Kd of Pb-210 in Contaminated Zone	46	-0.14	50	-0.13	6	0.57	6	0.17
Kd of Pb-210 in Unsaturated Zone 1	14	-0.26	2	-0.67	14	-0.46	14	-0.13
Kd of Pb-210 in Saturated Zone	45	-0.14	52	-0.12	27	-0.31	27	-0.08
Kd of Pu-239 in Contaminated Zone	21	-0.23	3	-0.63	16	0.44	16	0.12
Kd of Pu-239 in Unsaturated Zone 1	25	-0.22	33	-0.20	8	-0.55	8	-0.16
Kd of Pu-239 in Saturated Zone	48	-0.13	49	-0.13	66	0.06	66	0.01
Kd of Ra-226 in Contaminated Zone	75	-0.02	61	-0.07	63	0.08	63	0.02
Kd of Ra-226 in Unsaturated Zone 1	42	-0.15	42	-0.14	26	0.32	26	0.09
Kd of Ra-226 in Saturated Zone	19	-0.24	25	-0.26	28	-0.27	28	-0.07
Kd of Tc-99 in Saturated Zone	40	0.16	41	0.14	37	-0.23	37	-0.06
Kd of Th-229 in Contaminated Zone	49	-0.13	54	-0.10	45	0.18	45	0.05
Kd of Th-229 in Unsaturated Zone 1	57	-0.08	57	-0.09	23	-0.34	23	-0.09
Kd of Th-229 in Saturated Zone	58	-0.08	8	-0.45	74	-0.04	74	-0.01
Kd of Th-230 in Contaminated Zone	12	-0.27	6	-0.51	61	-0.08	61	-0.02
Kd of Th-230 in Unsaturated Zone 1	35	-0.17	32	-0.21	77	0.01	77	0.00
Kd of Th-230 in Saturated Zone	79	0.01	79	0.01	46	0.17	46	0.04
Kd of U-233 in Saturated Zone	55	0.08	7	0.49	78	0.00	78	0.00
Kd of U-234 in Saturated Zone	43	0.15	39	0.16	48	0.14	48	0.04
Kd of U-235 in Saturated Zone	37	0.16	21	0.28	51	-0.12	51	-0.03
Kd of U-238 in Saturated Zone	67	-0.06	66	-0.06	24	-0.33	25	-0.09
Plant transfer factor for Ac	32	0.19	35	0.18	80	0.00	80	0.00
Meat transfer factor for Ac	36	-0.17	43	-0.14	31	-0.25	31	-0.07
Milk transfer factor for Ac	78	-0.01	78	-0.01	50	0.13	50	0.03
Fish transfer factor for Ac	24	0.23	23	0.28	17	0.44	17	0.12
Plant transfer factor for Am	63	-0.07	67	-0.06	38	-0.21	38	-0.05
Meat transfer factor for Am	23	-0.23	27	-0.24	40	0.20	40	0.05
Milk transfer factor for Am	76	-0.02	76	-0.01	75	0.02	75	0.01
Fish transfer factor for Am	17	-0.25	26	-0.26	4	0.63	4	0.20
Plant transfer factor for Pb	50	0.13	44	0.14	65	-0.07	65	-0.02
Meat transfer factor for Pb	29	0.20	31	0.21	5	0.57	5	0.17
Milk transfer factor for Pb	15	-0.26	18	-0.30	2	-0.72	2	-0.27
Fish transfer factor for Pb	5	-0.35	20	-0.29	69	0.05	69	0.01
Plant transfer factor for Np	2	-0.39	10	-0.43	22	-0.35	22	-0.09
Meat transfer factor for Np	80	0.01	80	0.00	30	0.26	29	0.07
Milk transfer factor for Np	68	-0.05	71	-0.04	41	-0.20	42	-0.05
Fish transfer factor for Np	66	0.07	68	0.06	64	0.07	64	0.02
Plant transfer factor for Pu	38	-0.16	51	-0.12	10	-0.53	10	-0.16
Meat transfer factor for Pu	52	0.12	56	0.10	53	0.11	53	0.03
Milk transfer factor for Pu	44	0.15	47	0.13	79	0.00	79	0.00
Fish transfer factor for Pu	60	0.08	60	0.07	67	-0.06	67	-0.01
Plant transfer factor for Pa	47	0.13	45	0.13	19	-0.39	19	-0.11
Meat transfer factor for Pa	6	-0.35	9	-0.44	47	-0.16	47	-0.04
Milk transfer factor for Pa	28	0.20	34	0.19	52	-0.12	52	-0.03
Fish transfer factor for Pa	1	0.40	4	0.58	57	0.10	57	0.03
Plant transfer factor for Ra	4	0.35	13	0.34	39	-0.21	39	-0.05
Meat transfer factor for Ra	33	0.19	38	0.16	42	-0.20	41	-0.05
Milk transfer factor for Ra	73	-0.03	74	-0.03	25	-0.33	24	-0.09
Fish transfer factor for Ra	54	0.10	58	0.08	7	-0.56	7	-0.17
Plant transfer factor for Tc	53	-0.11	55	-0.10	71	0.04	71	0.01
Meat transfer factor for Tc	70	-0.04	72	-0.03	68	-0.05	68	-0.01
Milk transfer factor for Tc	41	-0.15	53	-0.12	11	0.52	11	0.15
Fish transfer factor for Tc	71	-0.03	73	-0.03	55	-0.10	55	-0.03
Plant transfer factor for Th	7	0.33	11	0.41	34	0.23	34	0.06
Meat transfer factor for Th	18	-0.25	29	-0.23	35	0.23	35	0.06
Milk transfer factor for Th	77	-0.01	77	-0.01	9	0.53	9	0.16
Fish transfer factor for Th	16	0.26	5	0.53	18	0.40	18	0.11
Plant transfer factor for U	56	-0.08	62	-0.07	54	0.11	54	0.03
Meat transfer factor for U	10	0.28	17	0.31	49	0.13	49	0.03
Milk transfer factor for U	26	0.22	22	0.28	56	-0.10	56	-0.03
Fish transfer factor for U	59	-0.08	63	-0.07	72	0.04	72	0.01
Well pumping rate	51	-0.13	48	-0.13	21	-0.37	21	-0.10
Mass loading for inhalation	8	0.29	24	0.27	58	0.09	58	0.02
Indoor dust filtration factor	31	-0.19	36	-0.17	62	0.08	62	0.02
Depth of soil mixing layer	39	0.16	40	0.15	59	0.09	59	0.02
Depth of roots	34	-0.18	37	-0.17	32	0.25	32	0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	61	0.08	64	0.06	60	-0.08	60	-0.02
Weathering removal constant of all vegetation	13	-0.27	28	-0.23	44	-0.19	44	-0.05
Wet foliar interception fraction of leafy vegetables	69	-0.05	70	-0.05	43	-0.19	43	-0.05
R-SQUARE		0.71		0.71		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 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	4	0.37	8	0.32	25	-0.26	25	-0.08
Kd of Ac-227 in Unsaturated Zone 1	59	0.06	52	0.08	18	-0.31	18	-0.09
Kd of Ac-227 in Saturated Zone	23	-0.20	16	-0.21	71	-0.03	71	-0.01
Kd of Am-241 in Contaminated Zone	1	0.42	1	0.74	74	0.02	74	0.01
Kd of Am-241 in Unsaturated Zone 1	72	0.02	75	0.01	20	-0.28	20	-0.08
Kd of Am-241 in Saturated Zone	29	-0.17	5	-0.34	43	0.16	43	0.04
Kd of Np-237 in Contaminated Zone	3	-0.37	2	-0.47	4	-0.55	4	-0.19
Kd of Np-237 in Unsaturated Zone 1	32	0.16	33	0.13	1	-0.91	1	-0.63
Kd of Np-237 in Saturated Zone	14	-0.26	6	-0.33	2	-0.68	2	-0.26
Kd of Pa-231 in Contaminated Zone	58	-0.07	43	-0.10	28	-0.23	28	-0.07
Kd of Pa-231 in Unsaturated Zone 1	55	-0.08	59	-0.07	8	-0.44	8	-0.14
Kd of Pa-231 in Saturated Zone	30	-0.17	24	-0.18	51	-0.13	52	-0.04
Kd of Pb-210 in Contaminated Zone	76	-0.01	72	-0.02	52	-0.13	51	-0.04
Kd of Pb-210 in Unsaturated Zone 1	63	0.05	44	0.10	63	0.07	64	0.02
Kd of Pb-210 in Saturated Zone	16	0.23	23	0.19	48	-0.14	48	-0.04
Kd of Pu-239 in Contaminated Zone	45	0.12	46	0.09	79	0.01	79	0.00
Kd of Pu-239 in Unsaturated Zone 1	12	-0.26	17	-0.21	42	0.16	42	0.04
Kd of Pu-239 in Saturated Zone	52	-0.09	61	-0.06	21	-0.27	21	-0.08
Kd of Ra-226 in Contaminated Zone	47	-0.11	58	-0.07	22	-0.27	22	-0.08
Kd of Ra-226 in Unsaturated Zone 1	61	-0.06	65	-0.04	78	0.01	78	0.00
Kd of Ra-226 in Saturated Zone	6	0.35	3	0.44	19	-0.30	19	-0.09
Kd of Tc-99 in Saturated Zone	39	-0.14	38	-0.11	57	-0.11	57	-0.03
Kd of Th-229 in Contaminated Zone	49	0.11	53	0.08	67	-0.04	67	-0.01
Kd of Th-229 in Unsaturated Zone 1	67	0.04	64	0.05	15	-0.35	15	-0.10
Kd of Th-229 in Saturated Zone	73	-0.02	57	-0.07	38	0.18	38	0.05
Kd of Th-230 in Contaminated Zone	7	-0.35	12	-0.27	68	-0.04	68	-0.01
Kd of Th-230 in Unsaturated Zone 1	22	0.20	15	0.22	9	0.43	9	0.13
Kd of Th-230 in Saturated Zone	35	0.16	40	0.11	33	-0.21	33	-0.06
Kd of U-233 in Saturated Zone	70	0.02	73	0.02	62	-0.07	63	-0.02
Kd of U-234 in Saturated Zone	15	-0.25	20	-0.20	39	-0.18	39	-0.05
Kd of U-235 in Saturated Zone	36	0.15	10	0.30	31	-0.22	31	-0.06
Kd of U-238 in Saturated Zone	78	0.01	66	0.04	27	-0.24	27	-0.07
Plant transfer factor for Ac	62	0.06	62	0.05	66	-0.05	66	-0.01
Meat transfer factor for Ac	54	0.08	51	0.08	24	-0.26	24	-0.08
Milk transfer factor for Ac	17	-0.23	22	-0.19	80	0.00	80	0.00
Fish transfer factor for Ac	53	-0.08	54	-0.08	64	0.07	62	0.02
Plant transfer factor for Am	56	0.07	63	0.05	45	-0.15	45	-0.04
Meat transfer factor for Am	71	0.02	74	0.02	61	0.07	61	0.02
Milk transfer factor for Am	51	0.10	56	0.08	54	0.12	54	0.03
Fish transfer factor for Am	43	-0.12	37	-0.11	3	-0.65	3	-0.24
Plant transfer factor for Pb	60	-0.06	60	-0.06	77	-0.01	77	0.00
Meat transfer factor for Pb	2	0.38	4	0.38	40	0.17	41	0.05
Milk transfer factor for Pb	24	0.20	31	0.13	55	-0.12	55	-0.03
Fish transfer factor for Pb	68	0.04	68	0.03	26	0.25	26	0.07
Plant transfer factor for Np	28	0.19	21	0.19	14	-0.36	14	-0.11
Meat transfer factor for Np	50	0.10	55	0.08	65	0.05	65	0.01
Milk transfer factor for Np	77	-0.01	78	-0.01	53	0.13	53	0.04
Fish transfer factor for Np	33	-0.16	39	-0.11	13	-0.37	12	-0.11
Plant transfer factor for Pu	38	0.14	50	0.09	29	0.23	29	0.07
Meat transfer factor for Pu	25	0.19	28	0.15	56	-0.12	56	-0.03
Milk transfer factor for Pu	64	-0.05	67	-0.04	75	-0.02	75	-0.01
Fish transfer factor for Pu	9	-0.29	13	-0.27	11	0.39	11	0.12
Plant transfer factor for Pa	80	0.00	80	0.00	12	0.37	13	0.11
Meat transfer factor for Pa	13	0.26	7	0.32	76	0.02	76	0.00
Milk transfer factor for Pa	69	-0.03	70	-0.03	46	0.15	46	0.04
Fish transfer factor for Pa	79	-0.01	79	0.00	16	0.34	16	0.10
Plant transfer factor for Ra	5	0.37	11	0.28	6	0.48	6	0.15
Meat transfer factor for Ra	46	-0.11	45	-0.10	72	0.02	72	0.01
Milk transfer factor for Ra	65	0.04	69	0.03	32	-0.21	32	-0.06
Fish transfer factor for Ra	18	-0.22	9	-0.31	17	-0.32	17	-0.10
Plant transfer factor for Tc	27	-0.19	32	-0.13	50	0.13	50	0.04
Meat transfer factor for Tc	26	0.19	29	0.15	35	0.19	37	0.05
Milk transfer factor for Tc	8	-0.35	14	-0.27	7	-0.45	7	-0.15
Fish transfer factor for Tc	10	-0.27	18	-0.21	49	-0.14	49	-0.04
Plant transfer factor for Th	41	0.13	41	0.11	23	0.27	23	0.08
Meat transfer factor for Th	40	-0.13	30	-0.14	59	-0.08	59	-0.02
Milk transfer factor for Th	66	-0.04	71	-0.03	37	0.19	35	0.05
Fish transfer factor for Th	57	-0.07	36	-0.11	30	-0.22	30	-0.06
Plant transfer factor for U	20	0.21	26	0.16	41	0.17	40	0.05
Meat transfer factor for U	34	-0.16	34	-0.12	58	0.09	58	0.03
Milk transfer factor for U	11	0.26	19	0.20	70	-0.03	70	-0.01
Fish transfer factor for U	37	-0.14	42	-0.10	60	-0.07	60	-0.02
Well pumping rate	74	0.01	76	0.01	34	-0.21	34	-0.06
Mass loading for inhalation	48	-0.11	47	-0.09	69	-0.04	69	-0.01
Indoor dust filtration factor	21	0.20	25	0.16	10	0.39	10	0.12
Depth of soil mixing layer	19	-0.22	27	-0.16	5	-0.49	5	-0.16
Depth of roots	75	0.01	77	0.01	36	0.19	36	0.05
Wet weight crop yield of fruit, grain and non-leafy vegetables	42	-0.13	49	-0.09	44	0.15	44	0.04
Weathering removal constant of all vegetation	31	0.16	35	0.12	73	0.02	73	0.01
Wet foliar interception fraction of leafy vegetables	44	0.12	48	0.09	47	0.14	47	0.04

R-SQUARE 0.80 0.80 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 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	77	-0.03	75	-0.02	22	0.21	21	0.07
Kd of Ac-227 in Unsaturated Zone 1	47	-0.13	55	-0.09	34	0.14	35	0.05
Kd of Ac-227 in Saturated Zone	50	0.13	57	0.09	5	-0.40	5	-0.15
Kd of Am-241 in Contaminated Zone	17	0.31	16	0.27	45	-0.10	46	-0.04
Kd of Am-241 in Unsaturated Zone 1	48	0.13	45	0.14	41	-0.11	42	-0.04
Kd of Am-241 in Saturated Zone	40	0.17	31	0.20	47	0.10	48	0.03
Kd of Np-237 in Contaminated Zone	37	-0.20	24	-0.23	12	-0.32	12	-0.12
Kd of Np-237 in Unsaturated Zone 1	6	-0.43	3	-0.65	1	-0.90	1	-0.72
Kd of Np-237 in Saturated Zone	2	-0.54	5	-0.51	3	-0.46	3	-0.17
Kd of Pa-231 in Contaminated Zone	49	-0.13	34	-0.19	46	-0.10	45	-0.04
Kd of Pa-231 in Unsaturated Zone 1	21	-0.27	7	-0.46	4	-0.44	4	-0.17
Kd of Pa-231 in Saturated Zone	46	-0.15	35	-0.18	63	-0.05	63	-0.02
Kd of Pb-210 in Contaminated Zone	33	-0.21	30	-0.20	40	-0.11	40	-0.04
Kd of Pb-210 in Unsaturated Zone 1	19	-0.29	20	-0.25	37	-0.13	37	-0.04
Kd of Pb-210 in Saturated Zone	24	0.26	23	0.24	9	-0.37	9	-0.14
Kd of Pu-239 in Contaminated Zone	31	0.22	29	0.20	77	0.00	77	0.00
Kd of Pu-239 in Unsaturated Zone 1	1	0.57	1	1.59	36	0.13	36	0.05
Kd of Pu-239 in Saturated Zone	71	0.06	69	0.06	57	0.07	57	0.02
Kd of Ra-226 in Contaminated Zone	61	-0.09	66	-0.07	61	-0.05	61	-0.02
Kd of Ra-226 in Unsaturated Zone 1	64	0.08	68	0.06	67	0.02	67	0.01
Kd of Ra-226 in Saturated Zone	23	0.26	27	0.21	31	0.15	31	0.05
Kd of Tc-99 in Saturated Zone	18	-0.31	21	-0.25	48	0.10	47	0.03
Kd of Th-229 in Contaminated Zone	65	0.07	54	0.10	43	-0.11	43	-0.04
Kd of Th-229 in Unsaturated Zone 1	4	-0.44	2	-1.27	78	0.00	78	0.00
Kd of Th-229 in Saturated Zone	12	0.36	4	0.57	79	0.00	79	0.00
Kd of Th-230 in Contaminated Zone	70	0.06	65	0.07	66	0.03	66	0.01
Kd of Th-230 in Unsaturated Zone 1	52	0.12	53	0.11	71	0.01	71	0.00
Kd of Th-230 in Saturated Zone	78	0.03	78	0.02	55	-0.08	54	-0.03
Kd of U-233 in Saturated Zone	69	-0.06	73	-0.05	70	-0.01	70	-0.01
Kd of U-234 in Saturated Zone	44	0.16	33	0.20	68	-0.02	68	-0.01
Kd of U-235 in Saturated Zone	58	-0.10	52	-0.11	30	-0.16	30	-0.05
Kd of U-238 in Saturated Zone	45	-0.16	51	-0.11	17	-0.24	17	-0.08
Plant transfer factor for Ac	34	-0.20	38	-0.17	33	-0.15	32	-0.05
Meat transfer factor for Ac	25	0.25	28	0.21	14	0.29	14	0.10
Milk transfer factor for Ac	26	-0.25	26	-0.21	19	0.21	19	0.07
Fish transfer factor for Ac	5	-0.44	8	-0.46	6	-0.40	6	-0.15
Plant transfer factor for Am	32	-0.21	44	-0.15	11	0.33	11	0.12
Meat transfer factor for Am	29	0.22	39	0.17	44	0.11	44	0.04
Milk transfer factor for Am	79	0.01	79	0.01	62	-0.05	62	-0.02
Fish transfer factor for Am	9	0.39	13	0.33	52	-0.08	52	-0.03
Plant transfer factor for Pb	74	-0.04	70	-0.06	69	-0.02	69	-0.01
Meat transfer factor for Pb	15	-0.33	19	-0.26	28	-0.17	28	-0.06
Milk transfer factor for Pb	27	0.25	32	0.20	35	0.14	34	0.05
Fish transfer factor for Pb	59	0.10	40	0.16	13	0.31	13	0.11
Plant transfer factor for Np	11	0.38	10	0.34	58	-0.06	58	-0.02
Meat transfer factor for Np	72	-0.06	74	-0.05	20	0.21	20	0.07
Milk transfer factor for Np	20	0.28	18	0.26	42	-0.11	41	-0.04
Fish transfer factor for Np	76	0.03	77	0.02	27	0.18	27	0.06
Plant transfer factor for Pu	73	-0.05	62	-0.07	60	0.05	60	0.02
Meat transfer factor for Pu	8	0.39	12	0.33	76	0.00	76	0.00
Milk transfer factor for Pu	62	-0.08	63	-0.07	10	-0.33	10	-0.12
Fish transfer factor for Pu	63	-0.08	60	-0.08	21	0.21	22	0.07
Plant transfer factor for Pa	39	0.18	43	0.15	50	-0.09	49	-0.03
Meat transfer factor for Pa	7	0.39	6	0.46	59	-0.06	59	-0.02
Milk transfer factor for Pa	36	0.20	42	0.15	64	0.04	64	0.01
Fish transfer factor for Pa	13	-0.34	9	-0.45	15	-0.26	15	-0.09
Plant transfer factor for Ra	30	0.22	36	0.17	24	0.19	24	0.07
Meat transfer factor for Ra	3	-0.46	14	-0.32	2	-0.53	2	-0.22
Milk transfer factor for Ra	41	-0.17	46	-0.13	29	-0.17	29	-0.06
Fish transfer factor for Ra	14	-0.34	15	-0.30	18	-0.23	18	-0.08
Plant transfer factor for Tc	67	-0.07	59	-0.08	38	-0.12	38	-0.04
Meat transfer factor for Tc	55	0.11	49	0.12	73	0.01	73	0.00
Milk transfer factor for Tc	57	0.10	58	0.09	56	0.07	56	0.02
Fish transfer factor for Tc	66	0.07	72	0.05	16	0.25	16	0.09
Plant transfer factor for Th	51	-0.13	48	-0.13	74	0.01	74	0.00
Meat transfer factor for Th	53	0.11	61	0.08	53	0.08	53	0.03
Milk transfer factor for Th	38	0.19	41	0.16	8	0.38	8	0.14
Fish transfer factor for Th	10	-0.38	11	-0.34	49	-0.09	50	-0.03
Plant transfer factor for U	56	0.10	64	0.07	39	-0.11	39	-0.04
Meat transfer factor for U	43	0.16	47	0.13	26	0.18	26	0.06
Milk transfer factor for U	80	0.00	80	0.00	75	0.00	75	0.00
Fish transfer factor for U	28	-0.23	22	-0.24	32	-0.15	33	-0.05
Well pumping rate	42	-0.17	50	-0.11	72	0.01	72	0.00
Mass loading for inhalation	54	0.11	56	0.09	51	0.09	51	0.03
Indoor dust filtration factor	68	-0.06	71	-0.05	7	-0.39	7	-0.14
Depth of soil mixing layer	35	-0.20	37	-0.17	65	0.03	65	0.01
Depth of roots	75	0.03	76	0.02	25	-0.19	25	-0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	0.32	17	0.26	80	0.00	80	0.00
Weathering removal constant of all vegetation	60	-0.10	67	-0.06	54	-0.08	55	-0.03
Wet foliar interception fraction of leafy vegetables	22	-0.26	25	-0.22	23	0.19	23	0.07
R-SQUARE		0.77		0.77		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 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	16	0.35	1	1.01	33	-0.25	32	-0.06
Kd of Ac-227 in Unsaturated Zone 1	56	0.11	58	0.08	61	0.11	61	0.03
Kd of Ac-227 in Saturated Zone	51	0.13	56	0.08	80	0.00	80	0.00
Kd of Am-241 in Contaminated Zone	1	0.53	5	0.48	41	-0.20	41	-0.05
Kd of Am-241 in Unsaturated Zone 1	21	0.29	24	0.26	18	-0.42	18	-0.11
Kd of Am-241 in Saturated Zone	49	0.13	43	0.14	54	-0.14	54	-0.03
Kd of Np-237 in Contaminated Zone	32	-0.20	16	-0.31	9	-0.50	9	-0.14
Kd of Np-237 in Unsaturated Zone 1	69	-0.06	69	-0.05	1	-0.92	1	-0.58
Kd of Np-237 in Saturated Zone	9	-0.39	19	-0.29	11	-0.49	11	-0.14
Kd of Pa-231 in Contaminated Zone	20	-0.30	14	-0.34	15	-0.47	15	-0.13
Kd of Pa-231 in Unsaturated Zone 1	67	-0.07	66	-0.05	3	-0.71	3	-0.24
Kd of Pa-231 in Saturated Zone	65	-0.07	27	-0.21	38	-0.20	39	-0.05
Kd of Pb-210 in Contaminated Zone	17	-0.33	25	-0.25	8	0.54	8	0.15
Kd of Pb-210 in Unsaturated Zone 1	33	-0.20	10	-0.39	22	-0.40	22	-0.11
Kd of Pb-210 in Saturated Zone	72	-0.05	73	-0.03	20	-0.41	21	-0.11
Kd of Pu-239 in Contaminated Zone	11	-0.37	2	-0.83	16	0.47	16	0.13
Kd of Pu-239 in Unsaturated Zone 1	37	-0.19	44	-0.13	5	-0.58	5	-0.17
Kd of Pu-239 in Saturated Zone	36	-0.19	39	-0.14	76	0.02	76	0.00
Kd of Ra-226 in Contaminated Zone	58	0.10	18	0.31	50	0.15	50	0.04
Kd of Ra-226 in Unsaturated Zone 1	75	-0.02	76	-0.02	29	0.27	29	0.07
Kd of Ra-226 in Saturated Zone	2	-0.51	4	-0.49	30	-0.27	30	-0.07
Kd of Tc-99 in Saturated Zone	42	0.17	46	0.12	39	-0.20	38	-0.05
Kd of Th-229 in Contaminated Zone	63	-0.07	70	-0.04	48	0.16	48	0.04
Kd of Th-229 in Unsaturated Zone 1	66	-0.07	62	-0.06	19	-0.41	20	-0.11
Kd of Th-229 in Saturated Zone	74	0.03	37	0.15	66	-0.07	66	-0.02
Kd of Th-230 in Contaminated Zone	24	-0.27	9	-0.40	63	-0.11	64	-0.03
Kd of Th-230 in Unsaturated Zone 1	71	-0.05	68	-0.05	74	-0.02	74	0.00
Kd of Th-230 in Saturated Zone	73	0.05	74	0.03	59	0.11	59	0.03
Kd of U-233 in Saturated Zone	80	0.01	75	0.03	78	0.01	78	0.00
Kd of U-234 in Saturated Zone	5	0.45	8	0.42	52	0.14	51	0.04
Kd of U-235 in Saturated Zone	50	0.13	33	0.17	55	-0.13	55	-0.03
Kd of U-238 in Saturated Zone	34	-0.19	36	-0.16	28	-0.28	28	-0.07
Plant transfer factor for Ac	23	0.29	26	0.22	70	-0.04	70	-0.01
Meat transfer factor for Ac	22	-0.29	30	-0.20	26	-0.31	26	-0.08
Milk transfer factor for Ac	79	-0.01	80	-0.01	68	0.06	68	0.02
Fish transfer factor for Ac	39	0.18	34	0.17	13	0.48	13	0.13
Plant transfer factor for Am	76	-0.02	77	-0.01	31	-0.26	31	-0.06
Meat transfer factor for Am	18	-0.32	21	-0.27	40	0.20	40	0.05
Milk transfer factor for Am	52	0.12	55	0.08	72	0.03	73	0.01
Fish transfer factor for Am	15	-0.35	20	-0.29	4	0.62	4	0.19
Plant transfer factor for Pb	53	0.11	52	0.10	71	0.03	71	0.01
Meat transfer factor for Pb	31	0.23	31	0.19	10	0.50	10	0.14
Milk transfer factor for Pb	28	-0.23	29	-0.21	2	-0.74	2	-0.27
Fish transfer factor for Pb	30	-0.23	40	-0.14	45	0.17	45	0.04
Plant transfer factor for Np	7	-0.41	13	-0.36	17	-0.44	17	-0.12
Meat transfer factor for Np	60	-0.10	64	-0.06	43	0.19	43	0.05
Milk transfer factor for Np	57	0.10	61	0.07	49	-0.15	49	-0.04
Fish transfer factor for Np	19	0.31	28	0.21	25	0.33	25	0.09
Plant transfer factor for Pu	35	-0.19	50	-0.12	7	-0.55	7	-0.16
Meat transfer factor for Pu	47	0.14	54	0.09	69	0.06	69	0.01
Milk transfer factor for Pu	59	0.10	60	0.07	79	-0.01	79	0.00
Fish transfer factor for Pu	44	0.16	48	0.12	47	-0.16	47	-0.04
Plant transfer factor for Pa	70	0.05	71	0.04	23	-0.38	23	-0.10
Meat transfer factor for Pa	6	-0.43	6	-0.43	37	-0.22	36	-0.05
Milk transfer factor for Pa	3	0.48	11	0.39	53	-0.14	53	-0.04
Fish transfer factor for Pa	4	0.45	3	0.53	64	0.11	63	0.03
Plant transfer factor for Ra	8	0.40	17	0.31	44	-0.17	44	-0.04
Meat transfer factor for Ra	54	0.11	57	0.08	42	-0.19	42	-0.05
Milk transfer factor for Ra	68	0.06	65	0.06	24	-0.34	24	-0.09
Fish transfer factor for Ra	61	0.08	67	0.05	6	-0.58	6	-0.17
Plant transfer factor for Tc	78	-0.01	79	-0.01	36	0.22	37	0.05
Meat transfer factor for Tc	64	0.07	72	0.04	75	0.02	75	0.00
Milk transfer factor for Tc	29	-0.23	41	-0.14	14	0.48	14	0.13
Fish transfer factor for Tc	55	-0.11	59	-0.07	73	0.03	72	0.01
Plant transfer factor for Th	12	0.37	12	0.37	32	0.26	33	0.06
Meat transfer factor for Th	13	-0.36	22	-0.27	35	0.23	35	0.06
Milk transfer factor for Th	40	0.18	45	0.13	12	0.49	12	0.14
Fish transfer factor for Th	26	0.26	7	0.42	21	0.40	19	0.11
Plant transfer factor for U	48	-0.14	53	-0.09	62	0.11	62	0.03
Meat transfer factor for U	10	0.38	15	0.33	60	0.11	60	0.03
Milk transfer factor for U	46	0.15	38	0.15	58	-0.12	58	-0.03
Fish transfer factor for U	43	-0.17	49	-0.12	67	-0.07	67	-0.02
Well pumping rate	41	-0.17	42	-0.14	27	-0.30	27	-0.08
Mass loading for inhalation	14	0.35	23	0.26	56	0.13	56	0.03
Indoor dust filtration factor	27	-0.23	35	-0.16	57	0.12	57	0.03
Depth of soil mixing layer	77	0.02	78	0.01	65	0.08	65	0.02
Depth of roots	45	-0.15	51	-0.11	34	0.24	34	0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	38	0.18	47	0.12	77	-0.01	77	0.00
Weathering removal constant of all vegetation	25	-0.26	32	-0.18	51	-0.14	52	-0.04
Wet foliar interception fraction of leafy vegetables	62	-0.08	63	-0.06	46	-0.16	46	-0.04
R-SQUARE		0.82		0.82		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 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	15	0.18	20	0.15	22	-0.26	22	-0.07
Kd of Ac-227 in Unsaturated Zone 1	25	0.16	10	0.21	14	-0.35	14	-0.10
Kd of Ac-227 in Saturated Zone	23	-0.16	14	-0.17	76	0.01	76	0.00
Kd of Am-241 in Contaminated Zone	5	0.31	1	0.51	80	0.00	80	0.00
Kd of Am-241 in Unsaturated Zone 1	68	-0.02	71	-0.02	25	-0.23	25	-0.06
Kd of Am-241 in Saturated Zone	41	-0.09	12	-0.19	53	0.13	53	0.04
Kd of Np-237 in Contaminated Zone	17	-0.18	9	-0.21	4	-0.58	4	-0.19
Kd of Np-237 in Unsaturated Zone 1	52	0.07	52	0.06	1	-0.92	1	-0.65
Kd of Np-237 in Saturated Zone	26	-0.14	13	-0.18	3	-0.66	3	-0.24
Kd of Pa-231 in Contaminated Zone	73	0.01	68	0.02	24	-0.24	24	-0.07
Kd of Pa-231 in Unsaturated Zone 1	51	-0.07	49	-0.06	12	-0.36	12	-0.10
Kd of Pa-231 in Saturated Zone	35	-0.11	32	-0.11	65	-0.07	65	-0.02
Kd of Pb-210 in Contaminated Zone	72	0.02	64	0.03	38	-0.18	39	-0.05
Kd of Pb-210 in Unsaturated Zone 1	60	0.04	47	0.07	59	0.10	59	0.03
Kd of Pb-210 in Saturated Zone	11	0.19	17	0.15	58	-0.10	58	-0.03
Kd of Pu-239 in Contaminated Zone	38	0.10	44	0.08	75	0.02	75	0.01
Kd of Pu-239 in Unsaturated Zone 1	33	-0.12	39	-0.10	31	0.20	31	0.05
Kd of Pu-239 in Saturated Zone	63	0.03	70	0.02	26	-0.22	26	-0.06
Kd of Ra-226 in Contaminated Zone	9	-0.21	22	-0.14	33	-0.19	34	-0.05
Kd of Ra-226 in Unsaturated Zone 1	12	-0.18	25	-0.13	67	0.06	67	0.02
Kd of Ra-226 in Saturated Zone	27	0.14	15	0.17	18	-0.32	18	-0.09
Kd of Tc-99 in Saturated Zone	13	-0.18	21	-0.15	63	-0.08	63	-0.02
Kd of Th-229 in Contaminated Zone	37	0.10	42	0.08	78	-0.01	78	0.00
Kd of Th-229 in Unsaturated Zone 1	77	0.01	76	0.01	15	-0.34	15	-0.10
Kd of Th-229 in Saturated Zone	62	0.03	16	0.15	36	0.19	36	0.05
Kd of Th-230 in Contaminated Zone	3	-0.36	5	-0.29	79	0.00	79	0.00
Kd of Th-230 in Unsaturated Zone 1	61	0.03	63	0.04	8	0.44	8	0.13
Kd of Th-230 in Saturated Zone	48	0.07	58	0.05	32	-0.19	32	-0.05
Kd of U-233 in Saturated Zone	28	0.14	26	0.13	50	-0.13	50	-0.04
Kd of U-234 in Saturated Zone	18	-0.17	23	-0.14	30	-0.21	29	-0.06
Kd of U-235 in Saturated Zone	65	0.03	54	0.06	44	-0.17	44	-0.05
Kd of U-238 in Saturated Zone	58	-0.05	6	-0.28	13	-0.35	13	-0.10
Plant transfer factor for Ac	54	-0.06	50	-0.06	71	-0.05	71	-0.01
Meat transfer factor for Ac	43	0.08	41	0.09	37	-0.18	38	-0.05
Milk transfer factor for Ac	59	-0.05	60	-0.04	66	0.07	66	0.02
Fish transfer factor for Ac	66	0.03	66	0.03	69	0.06	69	0.02
Plant transfer factor for Am	79	0.00	79	0.00	42	-0.17	42	-0.05
Meat transfer factor for Am	78	0.00	78	0.00	72	0.03	72	0.01
Milk transfer factor for Am	39	0.09	46	0.07	57	0.12	57	0.03
Fish transfer factor for Am	47	-0.07	48	-0.07	2	-0.68	2	-0.25
Plant transfer factor for Pb	69	-0.02	69	-0.02	64	-0.07	64	-0.02
Meat transfer factor for Pb	1	0.42	2	0.43	51	0.13	51	0.04
Milk transfer factor for Pb	46	-0.08	56	-0.05	46	-0.15	46	-0.04
Fish transfer factor for Pb	53	0.07	59	0.05	17	0.33	17	0.09
Plant transfer factor for Np	56	0.05	53	0.06	19	-0.31	19	-0.09
Meat transfer factor for Np	50	-0.07	55	-0.05	55	0.12	55	0.03
Milk transfer factor for Np	55	0.06	61	0.04	29	0.21	30	0.06
Fish transfer factor for Np	70	-0.02	73	-0.01	70	-0.05	70	-0.01
Plant transfer factor for Pu	75	-0.01	75	-0.01	40	0.18	40	0.05
Meat transfer factor for Pu	74	0.01	74	0.01	48	-0.14	47	-0.04
Milk transfer factor for Pu	57	0.05	62	0.04	74	-0.03	74	-0.01
Fish transfer factor for Pu	19	-0.17	18	-0.15	16	0.34	16	0.10
Plant transfer factor for Pa	67	-0.02	65	-0.03	10	0.39	10	0.12
Meat transfer factor for Pa	42	0.09	34	0.11	77	-0.01	77	0.00
Milk transfer factor for Pa	40	-0.09	45	-0.08	49	0.14	49	0.04
Fish transfer factor for Pa	14	-0.18	27	-0.13	11	0.39	11	0.12
Plant transfer factor for Ra	2	0.37	4	0.29	5	0.53	5	0.17
Meat transfer factor for Ra	71	-0.02	72	-0.02	73	-0.03	73	-0.01
Milk transfer factor for Ra	22	0.16	36	0.10	47	-0.14	48	-0.04
Fish transfer factor for Ra	34	-0.11	19	-0.15	21	-0.28	21	-0.08
Plant transfer factor for Tc	31	-0.13	40	-0.09	45	0.16	45	0.04
Meat transfer factor for Tc	64	0.03	67	0.02	23	0.25	23	0.07
Milk transfer factor for Tc	21	-0.16	31	-0.12	7	-0.45	7	-0.14
Fish transfer factor for Tc	16	-0.18	24	-0.13	41	-0.18	41	-0.05
Plant transfer factor for Th	76	0.01	77	0.00	35	0.19	35	0.05
Meat transfer factor for Th	6	-0.27	3	-0.30	68	-0.06	68	-0.02
Milk transfer factor for Th	10	-0.19	28	-0.13	39	0.18	37	0.05
Fish transfer factor for Th	44	0.08	29	0.13	20	-0.31	20	-0.09
Plant transfer factor for U	36	0.10	43	0.08	28	0.21	28	0.06
Meat transfer factor for U	7	-0.26	8	-0.21	61	0.09	61	0.03
Milk transfer factor for U	4	0.33	7	0.27	62	-0.08	62	-0.02
Fish transfer factor for U	29	-0.14	37	-0.10	54	-0.12	54	-0.03
Well pumping rate	45	-0.08	51	-0.06	27	-0.22	27	-0.06
Mass loading for inhalation	32	-0.12	35	-0.11	56	-0.12	56	-0.03
Indoor dust filtration factor	8	0.25	11	0.20	9	0.42	9	0.13
Depth of soil mixing layer	24	-0.16	33	-0.11	6	-0.49	6	-0.15
Depth of roots	20	0.17	30	0.12	43	0.17	43	0.05
Wet weight crop yield of fruit, grain and non-leafy vegetables	49	-0.07	57	-0.05	60	0.10	60	0.03
Weathering removal constant of all vegetation	80	0.00	80	0.00	34	0.19	33	0.05
Wet foliar interception fraction of leafy vegetables	30	0.13	38	0.10	52	0.13	52	0.04
R-SQUARE		0.79		0.79		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 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 Am-241 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 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 Am	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00	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
Mass loading for inhalation	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
 Coefficient =
 Repetition =

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

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

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

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

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	69	-0.04	69	-0.03	24	0.21	24	0.07
Kd of Ac-227 in Unsaturated Zone 1	49	-0.11	56	-0.08	43	0.13	43	0.04
Kd of Ac-227 in Saturated Zone	40	0.15	51	0.10	6	-0.40	6	-0.14
Kd of Am-241 in Contaminated Zone	30	0.19	34	0.15	60	-0.08	60	-0.02
Kd of Am-241 in Unsaturated Zone 1	44	0.13	37	0.14	42	-0.13	42	-0.04
Kd of Am-241 in Saturated Zone	48	0.11	43	0.13	39	0.14	39	0.05
Kd of Np-237 in Contaminated Zone	41	-0.14	32	-0.16	11	-0.35	11	-0.12
Kd of Np-237 in Unsaturated Zone 1	9	-0.37	3	-0.54	1	-0.91	1	-0.72
Kd of Np-237 in Saturated Zone	1	-0.51	5	-0.46	3	-0.47	3	-0.18
Kd of Pa-231 in Contaminated Zone	56	-0.09	40	-0.13	53	-0.10	54	-0.03
Kd of Pa-231 in Unsaturated Zone 1	24	-0.24	8	-0.40	4	-0.46	4	-0.17
Kd of Pa-231 in Saturated Zone	27	-0.21	13	-0.26	40	-0.14	40	-0.04
Kd of Pb-210 in Contaminated Zone	46	-0.12	47	-0.11	51	-0.10	51	-0.03
Kd of Pb-210 in Unsaturated Zone 1	32	-0.18	35	-0.15	32	-0.18	32	-0.06
Kd of Pb-210 in Saturated Zone	29	0.19	31	0.17	10	-0.35	10	-0.12
Kd of Pu-239 in Contaminated Zone	22	0.25	19	0.23	54	0.10	55	0.03
Kd of Pu-239 in Unsaturated Zone 1	2	0.50	1	1.28	64	0.06	64	0.02
Kd of Pu-239 in Saturated Zone	78	0.01	78	0.01	38	0.15	38	0.05
Kd of Ra-226 in Contaminated Zone	38	-0.16	42	-0.13	52	-0.10	52	-0.03
Kd of Ra-226 in Unsaturated Zone 1	50	0.11	53	0.08	61	0.07	61	0.02
Kd of Ra-226 in Saturated Zone	39	0.15	46	0.11	31	0.18	31	0.06
Kd of Tc-99 in Saturated Zone	21	-0.26	26	-0.20	41	0.13	41	0.04
Kd of Th-229 in Contaminated Zone	74	-0.01	71	-0.02	55	-0.10	53	-0.03
Kd of Th-229 in Unsaturated Zone 1	6	-0.38	2	-1.05	65	0.06	65	0.02
Kd of Th-229 in Saturated Zone	12	0.32	4	0.50	71	0.03	71	0.01
Kd of Th-230 in Contaminated Zone	75	0.01	73	0.02	80	0.00	80	0.00
Kd of Th-230 in Unsaturated Zone 1	31	0.19	30	0.17	73	-0.02	73	-0.01
Kd of Th-230 in Saturated Zone	72	0.02	74	0.01	49	-0.11	49	-0.04
Kd of U-233 in Saturated Zone	55	-0.09	58	-0.07	67	-0.05	67	-0.02
Kd of U-234 in Saturated Zone	52	0.11	39	0.13	69	-0.03	69	-0.01
Kd of U-235 in Saturated Zone	79	0.00	79	0.00	18	-0.25	18	-0.09
Kd of U-238 in Saturated Zone	57	-0.09	60	-0.06	37	-0.16	37	-0.05
Plant transfer factor for Ac	45	-0.13	50	-0.10	47	-0.12	46	-0.04
Meat transfer factor for Ac	58	0.09	57	0.07	16	0.28	16	0.10
Milk transfer factor for Ac	23	-0.25	24	-0.21	25	0.20	25	0.07
Fish transfer factor for Ac	4	-0.43	7	-0.44	5	-0.40	5	-0.14
Plant transfer factor for Am	34	-0.17	44	-0.12	14	0.30	15	0.10
Meat transfer factor for Am	13	0.29	23	0.22	27	0.20	28	0.07
Milk transfer factor for Am	77	-0.01	76	-0.01	57	-0.09	57	-0.03
Fish transfer factor for Am	17	0.28	21	0.22	30	-0.19	29	-0.06
Plant transfer factor for Pb	73	-0.01	72	-0.02	50	0.11	50	0.03
Meat transfer factor for Pb	14	-0.29	20	-0.22	21	-0.24	21	-0.08
Milk transfer factor for Pb	33	0.17	38	0.14	35	0.17	35	0.06
Fish transfer factor for Pb	47	0.12	28	0.18	13	0.32	12	0.11
Plant transfer factor for Np	10	0.36	10	0.32	72	-0.03	72	-0.01
Meat transfer factor for Np	80	0.00	80	0.00	33	0.18	33	0.06
Milk transfer factor for Np	19	0.26	18	0.24	58	-0.08	58	-0.03
Fish transfer factor for Np	37	-0.17	45	-0.12	29	-0.19	30	-0.06
Plant transfer factor for Pu	65	-0.06	52	-0.09	74	-0.02	74	-0.01
Meat transfer factor for Pu	7	0.37	11	0.30	75	0.01	75	0.00
Milk transfer factor for Pu	63	-0.07	63	-0.06	12	-0.32	13	-0.11
Fish transfer factor for Pu	28	-0.21	27	-0.19	20	0.24	20	0.08
Plant transfer factor for Pa	35	0.17	36	0.14	66	-0.05	66	-0.02
Meat transfer factor for Pa	5	0.40	6	0.46	68	-0.04	68	-0.01
Milk transfer factor for Pa	25	0.23	29	0.18	63	0.06	63	0.02
Fish transfer factor for Pa	20	-0.26	9	-0.33	17	-0.27	17	-0.09
Plant transfer factor for Ra	51	0.11	55	0.08	34	0.18	34	0.06
Meat transfer factor for Ra	3	-0.45	12	-0.30	2	-0.51	2	-0.20
Milk transfer factor for Ra	36	-0.17	41	-0.13	36	-0.17	36	-0.06
Fish transfer factor for Ra	16	-0.29	15	-0.24	19	-0.25	19	-0.09
Plant transfer factor for Tc	42	0.13	33	0.15	56	-0.09	56	-0.03
Meat transfer factor for Tc	54	0.10	48	0.11	77	-0.01	77	0.00
Milk transfer factor for Tc	62	0.07	61	0.06	79	0.00	79	0.00
Fish transfer factor for Tc	68	0.06	68	0.04	22	0.23	22	0.08
Plant transfer factor for Th	70	-0.03	70	-0.03	76	0.01	76	0.00
Meat transfer factor for Th	8	0.37	14	0.26	45	0.12	45	0.04
Milk transfer factor for Th	59	0.08	59	0.07	9	0.38	7	0.14
Fish transfer factor for Th	15	-0.29	17	-0.24	62	-0.07	62	-0.02
Plant transfer factor for U	60	0.08	64	0.06	59	-0.08	59	-0.03
Meat transfer factor for U	43	0.13	49	0.10	23	0.23	23	0.08
Milk transfer factor for U	76	-0.01	77	-0.01	46	0.12	47	0.04
Fish transfer factor for U	26	-0.21	22	-0.22	28	-0.20	27	-0.07
Well pumping rate	66	0.06	67	0.04	70	0.03	70	0.01
Mass loading for inhalation	64	0.07	65	0.05	48	0.11	48	0.04
Indoor dust filtration factor	67	-0.06	66	-0.05	8	-0.38	8	-0.13
Depth of soil mixing layer	53	-0.10	54	-0.08	44	0.13	44	0.04
Depth of roots	71	0.02	75	0.01	26	-0.20	26	-0.07
Wet weight crop yield of fruit, grain and non-leafy vegetables	18	0.26	25	0.21	78	0.00	78	0.00
Weathering removal constant of all vegetation	11	-0.35	16	-0.24	7	-0.38	9	-0.13
Wet foliar interception fraction of leafy vegetables	61	-0.07	62	-0.06	15	0.30	14	0.11
R-SQUARE		0.77		0.77		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
 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	0.20	3	0.71	41	-0.18	41	-0.05
Kd of Ac-227 in Unsaturated Zone 1	72	0.04	73	0.03	59	0.09	59	0.02
Kd of Ac-227 in Saturated Zone	65	-0.07	69	-0.05	72	0.03	72	0.01
Kd of Am-241 in Contaminated Zone	27	0.19	37	0.19	47	-0.17	47	-0.04
Kd of Am-241 in Unsaturated Zone 1	18	0.25	22	0.28	26	-0.31	26	-0.08
Kd of Am-241 in Saturated Zone	9	-0.30	9	-0.42	68	-0.06	68	-0.02
Kd of Np-237 in Contaminated Zone	25	-0.20	11	-0.40	8	-0.51	9	-0.15
Kd of Np-237 in Unsaturated Zone 1	78	-0.01	78	-0.01	1	-0.91	1	-0.57
Kd of Np-237 in Saturated Zone	5	-0.36	15	-0.35	11	-0.49	11	-0.15
Kd of Pa-231 in Contaminated Zone	13	-0.27	12	-0.38	15	-0.44	15	-0.13
Kd of Pa-231 in Unsaturated Zone 1	70	0.05	68	0.05	2	-0.71	2	-0.26
Kd of Pa-231 in Saturated Zone	62	0.07	25	0.27	31	-0.27	31	-0.07
Kd of Pb-210 in Contaminated Zone	56	-0.09	57	-0.08	7	0.54	7	0.17
Kd of Pb-210 in Unsaturated Zone 1	22	-0.22	5	-0.56	14	-0.46	14	-0.14
Kd of Pb-210 in Saturated Zone	49	-0.12	52	-0.11	29	-0.28	29	-0.08
Kd of Pu-239 in Contaminated Zone	42	-0.16	7	-0.43	17	0.41	17	0.12
Kd of Pu-239 in Unsaturated Zone 1	34	-0.18	41	-0.16	13	-0.47	13	-0.14
Kd of Pu-239 in Saturated Zone	54	-0.10	56	-0.09	67	0.06	67	0.02
Kd of Ra-226 in Contaminated Zone	69	-0.06	32	-0.22	58	0.09	58	0.02
Kd of Ra-226 in Unsaturated Zone 1	58	-0.09	58	-0.08	25	0.32	25	0.09
Kd of Ra-226 in Saturated Zone	31	-0.19	36	-0.20	35	-0.24	35	-0.06
Kd of Tc-99 in Saturated Zone	46	0.13	48	0.12	34	-0.25	34	-0.07
Kd of Th-229 in Contaminated Zone	44	-0.15	49	-0.12	40	0.18	40	0.05
Kd of Th-229 in Unsaturated Zone 1	76	-0.01	75	-0.01	22	-0.37	22	-0.10
Kd of Th-229 in Saturated Zone	38	-0.17	2	-0.97	80	0.00	80	0.00
Kd of Th-230 in Contaminated Zone	30	-0.19	14	-0.35	50	-0.13	50	-0.03
Kd of Th-230 in Unsaturated Zone 1	24	-0.21	27	-0.26	79	0.01	79	0.00
Kd of Th-230 in Saturated Zone	68	0.06	70	0.05	36	0.23	36	0.06
Kd of U-233 in Saturated Zone	35	0.18	1	1.04	55	0.11	55	0.03
Kd of U-234 in Saturated Zone	57	0.09	55	0.10	54	0.12	54	0.03
Kd of U-235 in Saturated Zone	37	0.17	20	0.29	64	-0.08	64	-0.02
Kd of U-238 in Saturated Zone	71	-0.04	71	-0.04	28	-0.29	28	-0.08
Plant transfer factor for Ac	28	0.19	38	0.18	76	-0.01	76	0.00
Meat transfer factor for Ac	40	-0.16	44	-0.13	38	-0.23	37	-0.06
Milk transfer factor for Ac	77	-0.01	77	-0.01	56	0.11	56	0.03
Fish transfer factor for Ac	32	0.18	33	0.22	16	0.42	16	0.12
Plant transfer factor for Am	53	-0.10	60	-0.08	42	-0.17	44	-0.05
Meat transfer factor for Am	11	-0.27	19	-0.29	37	0.23	38	0.06
Milk transfer factor for Am	64	-0.07	65	-0.06	75	-0.01	75	0.00
Fish transfer factor for Am	10	-0.28	21	-0.29	4	0.60	4	0.19
Plant transfer factor for Pb	52	0.11	47	0.12	61	-0.09	60	-0.02
Meat transfer factor for Pb	43	0.15	42	0.16	5	0.56	5	0.17
Milk transfer factor for Pb	15	-0.26	18	-0.30	3	-0.68	3	-0.24
Fish transfer factor for Pb	4	-0.36	17	-0.31	71	0.04	71	0.01
Plant transfer factor for Np	2	-0.38	10	-0.41	23	-0.35	24	-0.10
Meat transfer factor for Np	79	0.00	79	0.00	44	0.17	43	0.05
Milk transfer factor for Np	59	-0.07	64	-0.06	39	-0.20	39	-0.05
Fish transfer factor for Np	61	0.07	66	0.06	74	-0.01	74	0.00
Plant transfer factor for Pu	41	-0.16	45	-0.12	10	-0.51	10	-0.15
Meat transfer factor for Pu	45	0.13	51	0.11	60	0.09	61	0.02
Milk transfer factor for Pu	39	0.16	43	0.14	77	-0.01	77	0.00
Fish transfer factor for Pu	66	0.06	63	0.06	66	-0.08	66	-0.02
Plant transfer factor for Pa	50	0.12	46	0.12	21	-0.38	21	-0.11
Meat transfer factor for Pa	7	-0.34	8	-0.42	49	-0.14	49	-0.04
Milk transfer factor for Pa	29	0.19	39	0.17	53	-0.12	53	-0.03
Fish transfer factor for Pa	1	0.40	4	0.59	51	0.13	51	0.03
Plant transfer factor for Ra	3	0.36	13	0.36	27	-0.30	27	-0.08
Meat transfer factor for Ra	14	0.26	30	0.24	45	-0.17	45	-0.05
Milk transfer factor for Ra	73	-0.03	72	-0.03	19	-0.38	19	-0.11
Fish transfer factor for Ra	48	0.12	54	0.10	6	-0.55	6	-0.17
Plant transfer factor for Tc	51	-0.11	53	-0.10	52	0.13	52	0.03
Meat transfer factor for Tc	74	-0.02	74	-0.01	69	-0.06	69	-0.01
Milk transfer factor for Tc	17	-0.25	35	-0.20	9	0.51	8	0.16
Fish transfer factor for Tc	80	0.00	80	0.00	57	-0.10	57	-0.03
Plant transfer factor for Th	6	0.36	6	0.46	33	0.26	33	0.07
Meat transfer factor for Th	12	-0.27	28	-0.25	32	0.26	32	0.07
Milk transfer factor for Th	60	-0.07	61	-0.07	12	0.49	12	0.15
Fish transfer factor for Th	36	0.17	16	0.34	24	0.35	23	0.10
Plant transfer factor for U	63	-0.07	67	-0.06	65	0.08	65	0.02
Meat transfer factor for U	20	0.24	26	0.26	43	0.17	42	0.05
Milk transfer factor for U	23	0.22	24	0.28	62	-0.08	63	-0.02
Fish transfer factor for U	47	-0.12	50	-0.11	78	-0.01	78	0.00
Well pumping rate	67	-0.06	62	-0.06	20	-0.38	20	-0.11
Mass loading for inhalation	16	0.25	31	0.24	70	0.04	70	0.01
Indoor dust filtration factor	21	-0.23	34	-0.21	63	0.08	62	0.02
Depth of soil mixing layer	33	0.18	40	0.17	48	0.15	48	0.04
Depth of roots	19	-0.25	29	-0.24	30	0.28	30	0.07
Wet weight crop yield of fruit, grain and non-leafy vegetables	55	0.09	59	0.08	46	-0.17	46	-0.04
Weathering removal constant of all vegetation	8	-0.32	23	-0.28	18	-0.41	18	-0.12
Wet foliar interception fraction of leafy vegetables	75	0.01	76	0.01	73	0.03	73	0.01
R-SQUARE		0.70		0.70		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 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	1	0.51	2	0.49	23	-0.28	23	-0.09
Kd of Ac-227 in Unsaturated Zone 1	78	0.01	74	0.02	18	-0.31	18	-0.10
Kd of Ac-227 in Saturated Zone	19	-0.21	12	-0.23	70	0.03	70	0.01
Kd of Am-241 in Contaminated Zone	4	0.37	1	0.65	77	0.01	77	0.00
Kd of Am-241 in Unsaturated Zone 1	58	0.06	66	0.04	28	-0.22	28	-0.07
Kd of Am-241 in Saturated Zone	38	-0.11	16	-0.22	37	0.17	37	0.05
Kd of Np-237 in Contaminated Zone	7	-0.29	6	-0.35	4	-0.53	4	-0.19
Kd of Np-237 in Unsaturated Zone 1	46	0.09	49	0.08	1	-0.90	1	-0.63
Kd of Np-237 in Saturated Zone	10	-0.28	4	-0.36	2	-0.61	2	-0.23
Kd of Pa-231 in Contaminated Zone	65	-0.04	51	-0.07	30	-0.22	30	-0.07
Kd of Pa-231 in Unsaturated Zone 1	57	-0.06	56	-0.05	6	-0.43	6	-0.14
Kd of Pa-231 in Saturated Zone	21	-0.18	19	-0.20	62	-0.06	62	-0.02
Kd of Pb-210 in Contaminated Zone	72	-0.03	58	-0.05	78	0.01	78	0.00
Kd of Pb-210 in Unsaturated Zone 1	56	0.06	33	0.12	65	0.05	65	0.02
Kd of Pb-210 in Saturated Zone	16	0.23	23	0.19	56	-0.09	56	-0.03
Kd of Pu-239 in Contaminated Zone	61	0.05	65	0.04	68	0.04	68	0.01
Kd of Pu-239 in Unsaturated Zone 1	8	-0.28	15	-0.23	46	0.14	46	0.04
Kd of Pu-239 in Saturated Zone	69	-0.03	72	-0.02	25	-0.25	25	-0.08
Kd of Ra-226 in Contaminated Zone	34	-0.14	45	-0.09	20	-0.28	21	-0.09
Kd of Ra-226 in Unsaturated Zone 1	64	-0.05	68	-0.03	63	0.06	63	0.02
Kd of Ra-226 in Saturated Zone	12	0.26	7	0.31	21	-0.28	20	-0.09
Kd of Tc-99 in Saturated Zone	39	-0.11	46	-0.09	53	-0.11	53	-0.03
Kd of Th-229 in Contaminated Zone	28	0.16	30	0.12	66	-0.04	66	-0.01
Kd of Th-229 in Unsaturated Zone 1	79	0.00	79	0.00	17	-0.31	17	-0.10
Kd of Th-229 in Saturated Zone	62	-0.05	10	-0.24	42	0.15	42	0.05
Kd of Th-230 in Contaminated Zone	6	-0.31	9	-0.25	71	-0.03	71	-0.01
Kd of Th-230 in Unsaturated Zone 1	25	0.17	24	0.19	9	0.40	9	0.14
Kd of Th-230 in Saturated Zone	35	0.13	43	0.09	34	-0.17	34	-0.05
Kd of U-233 in Saturated Zone	80	0.00	80	0.00	67	-0.04	67	-0.01
Kd of U-234 in Saturated Zone	13	-0.25	20	-0.20	52	-0.11	52	-0.03
Kd of U-235 in Saturated Zone	59	0.06	35	0.11	29	-0.22	29	-0.07
Kd of U-238 in Saturated Zone	67	0.03	25	0.18	35	-0.17	35	-0.05
Plant transfer factor for Ac	71	0.03	70	0.02	58	-0.08	58	-0.02
Meat transfer factor for Ac	60	0.06	54	0.06	27	-0.24	27	-0.08
Milk transfer factor for Ac	31	-0.14	32	-0.12	72	0.03	72	0.01
Fish transfer factor for Ac	63	-0.05	64	-0.05	73	0.03	73	0.01
Plant transfer factor for Am	33	0.14	42	0.09	44	-0.14	44	-0.04
Meat transfer factor for Am	51	0.07	55	0.06	57	0.08	57	0.02
Milk transfer factor for Am	24	0.17	28	0.14	39	0.16	39	0.05
Fish transfer factor for Am	77	-0.01	77	-0.01	3	-0.58	3	-0.22
Plant transfer factor for Pb	48	-0.08	48	-0.08	64	-0.05	64	-0.02
Meat transfer factor for Pb	3	0.39	3	0.40	54	0.10	54	0.03
Milk transfer factor for Pb	54	0.07	63	0.05	60	-0.07	60	-0.02
Fish transfer factor for Pb	75	-0.02	76	-0.01	24	0.26	24	0.08
Plant transfer factor for Np	17	0.22	11	0.23	15	-0.33	15	-0.11
Meat transfer factor for Np	73	-0.02	73	-0.02	74	0.02	74	0.01
Milk transfer factor for Np	74	-0.02	75	-0.01	41	0.15	41	0.05
Fish transfer factor for Np	52	-0.07	62	-0.05	8	-0.40	8	-0.14
Plant transfer factor for Pu	49	0.08	61	0.05	32	0.21	32	0.06
Meat transfer factor for Pu	32	0.14	37	0.11	50	-0.11	50	-0.03
Milk transfer factor for Pu	55	0.07	60	0.05	59	-0.07	59	-0.02
Fish transfer factor for Pu	5	-0.32	8	-0.30	12	0.37	12	0.12
Plant transfer factor for Pa	68	-0.03	67	-0.04	16	0.33	16	0.11
Meat transfer factor for Pa	22	0.18	13	0.23	79	0.01	79	0.00
Milk transfer factor for Pa	36	-0.12	40	-0.10	55	0.10	55	0.03
Fish transfer factor for Pa	76	-0.02	78	-0.01	14	0.34	14	0.11
Plant transfer factor for Ra	2	0.44	5	0.36	7	0.42	7	0.14
Meat transfer factor for Ra	41	-0.10	44	-0.09	75	-0.02	75	-0.01
Milk transfer factor for Ra	47	0.08	59	0.05	40	-0.15	40	-0.05
Fish transfer factor for Ra	27	-0.16	14	-0.23	13	-0.34	13	-0.11
Plant transfer factor for Tc	30	-0.14	39	-0.10	49	0.12	49	0.04
Meat transfer factor for Tc	18	0.22	26	0.17	31	0.22	31	0.07
Milk transfer factor for Tc	9	-0.28	17	-0.21	5	-0.43	5	-0.15
Fish transfer factor for Tc	11	-0.27	18	-0.20	38	-0.16	38	-0.05
Plant transfer factor for Th	37	0.11	41	0.10	26	0.24	26	0.08
Meat transfer factor for Th	44	-0.09	38	-0.10	61	-0.07	61	-0.02
Milk transfer factor for Th	43	-0.09	53	-0.06	47	0.13	47	0.04
Fish transfer factor for Th	53	-0.07	36	-0.11	36	-0.17	36	-0.05
Plant transfer factor for U	50	0.07	57	0.05	33	0.18	33	0.06
Meat transfer factor for U	15	-0.24	22	-0.19	51	0.11	51	0.03
Milk transfer factor for U	14	0.25	21	0.19	80	0.00	80	0.00
Fish transfer factor for U	20	-0.19	29	-0.14	45	-0.14	45	-0.04
Well pumping rate	40	0.11	47	0.08	48	-0.12	48	-0.04
Mass loading for inhalation	66	-0.04	69	-0.03	76	-0.02	76	-0.01
Indoor dust filtration factor	23	0.18	27	0.15	11	0.38	11	0.12
Depth of soil mixing layer	26	-0.17	31	-0.12	10	-0.40	10	-0.13
Depth of roots	42	0.10	50	0.07	43	0.14	43	0.04
Wet weight crop yield of fruit, grain and non-leafy vegetables	45	-0.09	52	-0.07	69	0.04	69	0.01
Weathering removal constant of all vegetation	70	-0.03	71	-0.02	22	-0.28	22	-0.09
Wet foliar interception fraction of leafy vegetables	29	0.16	34	0.12	19	0.31	19	0.10

R-SQUARE 0.79 0.79 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 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	67	0.03	68	0.02	13	0.31	14	0.10
Kd of Ac-227 in Unsaturated Zone 1	25	0.21	36	0.12	61	0.07	62	0.02
Kd of Ac-227 in Saturated Zone	66	-0.03	70	-0.02	6	-0.43	6	-0.14
Kd of Am-241 in Contaminated Zone	28	0.20	30	0.14	67	-0.04	67	-0.01
Kd of Am-241 in Unsaturated Zone 1	58	0.07	55	0.06	43	-0.12	43	-0.04
Kd of Am-241 in Saturated Zone	76	-0.01	75	-0.01	44	0.12	44	0.04
Kd of Np-237 in Contaminated Zone	44	-0.13	35	-0.12	8	-0.39	8	-0.13
Kd of Np-237 in Unsaturated Zone 1	16	-0.28	6	-0.32	1	-0.92	1	-0.74
Kd of Np-237 in Saturated Zone	2	-0.56	4	-0.43	4	-0.46	4	-0.16
Kd of Pa-231 in Contaminated Zone	41	0.13	24	0.16	73	-0.03	73	-0.01
Kd of Pa-231 in Unsaturated Zone 1	69	-0.03	63	-0.03	11	-0.36	11	-0.12
Kd of Pa-231 in Saturated Zone	20	-0.23	13	-0.23	56	-0.09	56	-0.03
Kd of Pb-210 in Contaminated Zone	68	0.03	67	0.02	33	-0.17	33	-0.05
Kd of Pb-210 in Unsaturated Zone 1	57	-0.07	61	-0.05	27	-0.20	27	-0.06
Kd of Pb-210 in Saturated Zone	73	-0.02	72	-0.01	10	-0.37	10	-0.12
Kd of Pu-239 in Contaminated Zone	38	0.15	39	0.11	53	0.11	53	0.03
Kd of Pu-239 in Unsaturated Zone 1	27	0.20	5	0.38	70	0.04	70	0.01
Kd of Pu-239 in Saturated Zone	19	-0.24	17	-0.20	59	0.08	59	0.02
Kd of Ra-226 in Contaminated Zone	31	-0.20	33	-0.13	60	-0.07	60	-0.02
Kd of Ra-226 in Unsaturated Zone 1	24	0.22	28	0.14	37	0.15	37	0.05
Kd of Ra-226 in Saturated Zone	75	-0.02	76	-0.01	32	0.18	32	0.06
Kd of Tc-99 in Saturated Zone	80	0.00	80	0.00	36	0.16	36	0.05
Kd of Th-229 in Contaminated Zone	63	-0.05	56	-0.06	47	-0.11	47	-0.03
Kd of Th-229 in Unsaturated Zone 1	56	-0.07	23	-0.16	57	0.09	57	0.03
Kd of Th-229 in Saturated Zone	18	0.24	9	0.30	66	-0.05	66	-0.02
Kd of Th-230 in Contaminated Zone	61	-0.06	58	-0.06	77	0.02	77	0.01
Kd of Th-230 in Unsaturated Zone 1	7	0.34	11	0.27	65	0.06	65	0.02
Kd of Th-230 in Saturated Zone	74	0.02	74	0.01	48	-0.11	49	-0.03
Kd of U-233 in Saturated Zone	12	-0.29	19	-0.19	62	-0.07	61	-0.02
Kd of U-234 in Saturated Zone	50	-0.10	41	-0.10	35	-0.16	35	-0.05
Kd of U-235 in Saturated Zone	23	0.22	18	0.19	31	-0.18	30	-0.06
Kd of U-238 in Saturated Zone	33	-0.19	40	-0.11	18	-0.24	18	-0.08
Plant transfer factor for Ac	48	-0.11	49	-0.07	40	-0.13	39	-0.04
Meat transfer factor for Ac	40	0.14	43	0.10	16	0.30	16	0.10
Milk transfer factor for Ac	64	-0.05	64	-0.03	23	0.21	24	0.07
Fish transfer factor for Ac	3	-0.50	3	-0.43	7	-0.40	7	-0.13
Plant transfer factor for Am	59	-0.07	62	-0.04	17	0.27	17	0.08
Meat transfer factor for Am	17	0.25	27	0.15	39	0.13	40	0.04
Milk transfer factor for Am	71	0.02	71	0.02	79	0.01	79	0.00
Fish transfer factor for Am	36	0.18	38	0.12	34	-0.16	34	-0.05
Plant transfer factor for Pb	13	-0.29	7	-0.32	76	0.02	76	0.01
Meat transfer factor for Pb	54	-0.08	60	-0.05	26	-0.20	26	-0.06
Milk transfer factor for Pb	8	0.33	15	0.22	58	0.08	58	0.03
Fish transfer factor for Pb	72	-0.02	66	-0.03	14	0.31	13	0.10
Plant transfer factor for Np	10	0.31	16	0.22	68	-0.04	68	-0.01
Meat transfer factor for Np	15	0.28	20	0.18	3	0.47	3	0.16
Milk transfer factor for Np	35	0.18	32	0.13	38	-0.13	38	-0.04
Fish transfer factor for Np	29	-0.20	37	-0.12	45	-0.12	45	-0.04
Plant transfer factor for Pu	78	-0.01	77	-0.01	74	0.02	74	0.01
Meat transfer factor for Pu	45	0.13	47	0.08	63	-0.06	63	-0.02
Milk transfer factor for Pu	9	-0.31	14	-0.23	12	-0.31	12	-0.10
Fish transfer factor for Pu	52	-0.09	52	-0.07	22	0.22	22	0.07
Plant transfer factor for Pa	26	0.21	29	0.14	64	-0.06	64	-0.02
Meat transfer factor for Pa	4	0.49	2	0.49	69	0.04	69	0.01
Milk transfer factor for Pa	43	-0.13	46	-0.08	80	0.01	80	0.00
Fish transfer factor for Pa	60	-0.07	53	-0.07	15	-0.31	15	-0.10
Plant transfer factor for Ra	32	-0.19	34	-0.12	41	0.13	41	0.04
Meat transfer factor for Ra	5	-0.47	12	-0.27	2	-0.50	2	-0.18
Milk transfer factor for Ra	65	-0.03	69	-0.02	30	-0.18	31	-0.06
Fish transfer factor for Ra	53	0.09	57	0.06	24	-0.21	23	-0.07
Plant transfer factor for Tc	14	0.28	10	0.28	55	-0.10	55	-0.03
Meat transfer factor for Tc	6	0.34	8	0.31	51	0.11	50	0.03
Milk transfer factor for Tc	22	0.23	22	0.16	75	0.02	75	0.01
Fish transfer factor for Tc	46	0.12	50	0.07	25	0.20	25	0.06
Plant transfer factor for Th	79	0.00	79	0.00	72	0.03	71	0.01
Meat transfer factor for Th	1	0.68	1	0.49	21	0.23	21	0.07
Milk transfer factor for Th	30	-0.20	31	-0.13	5	0.44	5	0.15
Fish transfer factor for Th	39	-0.14	42	-0.10	78	0.01	78	0.00
Plant transfer factor for U	70	0.02	73	0.01	49	-0.11	48	-0.03
Meat transfer factor for U	51	0.10	54	0.06	28	0.19	28	0.06
Milk transfer factor for U	42	-0.13	44	-0.09	46	0.12	46	0.04
Fish transfer factor for U	34	-0.18	26	-0.15	50	-0.11	51	-0.03
Well pumping rate	11	0.30	21	0.18	71	-0.03	72	-0.01
Mass loading for inhalation	47	-0.12	48	-0.08	52	0.11	52	0.03
Indoor dust filtration factor	77	-0.01	78	-0.01	9	-0.38	9	-0.13
Depth of soil mixing layer	55	0.08	59	0.05	42	0.12	42	0.04
Depth of roots	62	-0.06	65	-0.03	19	-0.24	19	-0.08
Wet weight crop yield of fruit, grain and non-leafy vegetables	49	0.11	51	0.07	54	-0.10	54	-0.03
Weathering removal constant of all vegetation	37	-0.17	45	-0.09	29	-0.19	29	-0.06
Wet foliar interception fraction of leafy vegetables	21	0.23	25	0.15	20	0.23	20	0.07
R-SQUARE		0.85		0.85		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 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	23	0.24	1	0.81	41	-0.24	41	-0.05
Kd of Ac-227 in Unsaturated Zone 1	73	0.03	73	0.03	31	0.27	31	0.06
Kd of Ac-227 in Saturated Zone	43	-0.15	52	-0.11	48	0.18	48	0.04
Kd of Am-241 in Contaminated Zone	26	0.24	31	0.22	52	-0.16	52	-0.04
Kd of Am-241 in Unsaturated Zone 1	60	0.10	57	0.09	12	-0.52	12	-0.13
Kd of Am-241 in Saturated Zone	16	-0.27	18	-0.34	35	-0.26	35	-0.06
Kd of Np-237 in Contaminated Zone	29	-0.22	12	-0.40	10	-0.54	10	-0.13
Kd of Np-237 in Unsaturated Zone 1	78	0.01	78	0.01	1	-0.95	1	-0.66
Kd of Np-237 in Saturated Zone	10	-0.30	25	-0.25	6	-0.58	6	-0.15
Kd of Pa-231 in Contaminated Zone	7	-0.31	11	-0.41	19	-0.41	19	-0.09
Kd of Pa-231 in Unsaturated Zone 1	75	0.02	74	0.02	4	-0.62	4	-0.17
Kd of Pa-231 in Saturated Zone	46	0.14	8	0.50	61	-0.14	61	-0.03
Kd of Pb-210 in Contaminated Zone	69	-0.04	70	-0.04	7	0.58	7	0.15
Kd of Pb-210 in Unsaturated Zone 1	24	-0.24	6	-0.56	32	-0.27	32	-0.06
Kd of Pb-210 in Saturated Zone	39	-0.18	44	-0.14	25	-0.32	25	-0.07
Kd of Pu-239 in Contaminated Zone	32	-0.20	9	-0.50	11	0.52	11	0.13
Kd of Pu-239 in Unsaturated Zone 1	49	-0.14	53	-0.11	9	-0.56	9	-0.15
Kd of Pu-239 in Saturated Zone	48	-0.14	47	-0.12	72	0.05	73	0.01
Kd of Ra-226 in Contaminated Zone	41	-0.16	4	-0.58	60	0.14	60	0.03
Kd of Ra-226 in Unsaturated Zone 1	36	-0.18	40	-0.16	28	0.31	28	0.07
Kd of Ra-226 in Saturated Zone	35	-0.19	37	-0.18	27	-0.32	27	-0.07
Kd of Tc-99 in Saturated Zone	50	0.13	51	0.11	33	-0.26	33	-0.06
Kd of Th-229 in Contaminated Zone	30	-0.22	41	-0.16	45	0.21	45	0.05
Kd of Th-229 in Unsaturated Zone 1	55	-0.11	50	-0.12	37	-0.26	36	-0.06
Kd of Th-229 in Saturated Zone	53	-0.12	2	-0.62	50	-0.17	51	-0.04
Kd of Th-230 in Contaminated Zone	13	-0.28	10	-0.48	70	-0.06	70	-0.01
Kd of Th-230 in Unsaturated Zone 1	27	-0.22	28	-0.25	42	-0.23	42	-0.05
Kd of Th-230 in Saturated Zone	61	0.09	61	0.07	29	0.30	29	0.07
Kd of U-233 in Saturated Zone	56	0.11	5	0.57	56	-0.15	56	-0.03
Kd of U-234 in Saturated Zone	44	0.15	43	0.15	47	0.19	47	0.04
Kd of U-235 in Saturated Zone	38	0.18	22	0.29	63	-0.12	63	-0.03
Kd of U-238 in Saturated Zone	71	-0.04	69	-0.04	21	-0.40	21	-0.09
Plant transfer factor for Ac	31	0.21	38	0.18	75	0.01	75	0.00
Meat transfer factor for Ac	63	-0.07	63	-0.05	43	-0.22	43	-0.05
Milk transfer factor for Ac	77	-0.02	76	-0.01	36	0.26	39	0.06
Fish transfer factor for Ac	9	0.30	16	0.34	20	0.40	20	0.09
Plant transfer factor for Am	74	-0.02	75	-0.02	26	-0.32	26	-0.07
Meat transfer factor for Am	19	-0.26	26	-0.25	57	0.15	58	0.03
Milk transfer factor for Am	65	-0.06	64	-0.05	73	-0.05	72	-0.01
Fish transfer factor for Am	28	-0.22	34	-0.20	2	0.68	3	0.20
Plant transfer factor for Pb	34	0.20	35	0.20	68	0.09	68	0.02
Meat transfer factor for Pb	68	0.04	66	0.04	22	0.39	22	0.09
Milk transfer factor for Pb	11	-0.29	19	-0.31	3	-0.68	2	-0.20
Fish transfer factor for Pb	2	-0.43	17	-0.34	64	0.11	64	0.02
Plant transfer factor for Np	3	-0.38	13	-0.39	14	-0.50	14	-0.12
Meat transfer factor for Np	58	0.10	60	0.07	16	0.47	16	0.11
Milk transfer factor for Np	40	-0.17	46	-0.13	65	-0.11	65	-0.02
Fish transfer factor for Np	80	0.00	80	0.00	78	0.00	78	0.00
Plant transfer factor for Pu	33	-0.20	45	-0.14	8	-0.57	8	-0.15
Meat transfer factor for Pu	66	0.05	68	0.04	74	0.02	74	0.00
Milk transfer factor for Pu	37	0.18	42	0.15	80	0.00	80	0.00
Fish transfer factor for Pu	62	0.08	59	0.07	30	-0.30	30	-0.07
Plant transfer factor for Pa	51	0.13	49	0.12	18	-0.43	18	-0.10
Meat transfer factor for Pa	5	-0.33	14	-0.38	46	-0.20	46	-0.04
Milk transfer factor for Pa	52	0.12	55	0.10	54	-0.16	54	-0.03
Fish transfer factor for Pa	1	0.44	3	0.60	69	0.09	69	0.02
Plant transfer factor for Ra	8	0.31	23	0.27	38	-0.25	37	-0.06
Meat transfer factor for Ra	21	0.25	33	0.20	59	-0.14	59	-0.03
Milk transfer factor for Ra	42	-0.16	39	-0.17	23	-0.34	23	-0.08
Fish transfer factor for Ra	47	0.14	56	0.10	13	-0.52	13	-0.13
Plant transfer factor for Tc	67	-0.05	67	-0.04	44	0.22	44	0.05
Meat transfer factor for Tc	59	-0.10	62	-0.06	76	-0.01	76	0.00
Milk transfer factor for Tc	57	-0.10	58	-0.07	5	0.58	5	0.15
Fish transfer factor for Tc	70	0.04	71	0.03	79	0.00	79	0.00
Plant transfer factor for Th	6	0.31	15	0.36	40	0.25	40	0.06
Meat transfer factor for Th	18	-0.26	32	-0.22	62	0.13	62	0.03
Milk transfer factor for Th	45	-0.14	48	-0.12	15	0.49	15	0.12
Fish transfer factor for Th	14	0.28	7	0.53	17	0.43	17	0.10
Plant transfer factor for U	64	-0.07	65	-0.05	55	0.15	55	0.03
Meat transfer factor for U	20	0.26	24	0.25	34	0.26	34	0.06
Milk transfer factor for U	22	0.25	20	0.29	77	-0.01	77	0.00
Fish transfer factor for U	76	0.02	77	0.01	71	0.06	71	0.01
Well pumping rate	54	-0.11	54	-0.11	49	-0.18	49	-0.04
Mass loading for inhalation	17	0.26	30	0.22	66	0.10	66	0.02
Indoor dust filtration factor	25	-0.24	36	-0.20	51	0.17	50	0.04
Depth of soil mixing layer	12	0.28	27	0.25	67	0.10	67	0.02
Depth of roots	15	-0.27	29	-0.24	39	0.25	38	0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	72	0.04	72	0.03	53	0.16	53	0.03
Weathering removal constant of all vegetation	4	-0.36	21	-0.29	24	-0.33	24	-0.08
Wet foliar interception fraction of leafy vegetables	79	0.01	79	0.01	58	-0.15	57	-0.03
R-SQUARE		0.76		0.76		0.96		0.96

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

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

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	3	0.42	8	0.37	19	-0.28	19	-0.08
Kd of Ac-227 in Unsaturated Zone 1	45	0.13	29	0.16	10	-0.40	10	-0.12
Kd of Ac-227 in Saturated Zone	17	-0.25	13	-0.27	47	0.14	47	0.04
Kd of Am-241 in Contaminated Zone	5	0.37	1	0.62	63	-0.07	63	-0.02
Kd of Am-241 in Unsaturated Zone 1	48	0.11	53	0.08	29	-0.23	29	-0.06
Kd of Am-241 in Saturated Zone	26	-0.20	6	-0.41	60	0.07	60	0.02
Kd of Np-237 in Contaminated Zone	7	-0.34	4	-0.42	4	-0.55	4	-0.17
Kd of Np-237 in Unsaturated Zone 1	25	0.21	26	0.17	1	-0.93	1	-0.70
Kd of Np-237 in Saturated Zone	24	-0.22	12	-0.27	2	-0.64	2	-0.22
Kd of Pa-231 in Contaminated Zone	57	-0.07	46	-0.11	59	-0.07	59	-0.02
Kd of Pa-231 in Unsaturated Zone 1	52	-0.09	52	-0.08	30	-0.22	30	-0.06
Kd of Pa-231 in Saturated Zone	32	-0.18	22	-0.20	61	0.07	61	0.02
Kd of Pb-210 in Contaminated Zone	61	0.06	44	0.12	62	0.07	62	0.02
Kd of Pb-210 in Unsaturated Zone 1	71	-0.03	63	-0.05	56	0.08	56	0.02
Kd of Pb-210 in Saturated Zone	43	0.13	48	0.10	32	-0.20	32	-0.06
Kd of Pu-239 in Contaminated Zone	60	0.06	62	0.05	80	0.00	80	0.00
Kd of Pu-239 in Unsaturated Zone 1	30	-0.19	36	-0.14	35	0.19	35	0.05
Kd of Pu-239 in Saturated Zone	55	-0.08	61	-0.05	26	-0.24	26	-0.07
Kd of Ra-226 in Contaminated Zone	62	0.06	67	0.04	49	-0.13	49	-0.03
Kd of Ra-226 in Unsaturated Zone 1	13	-0.28	23	-0.20	66	-0.06	66	-0.01
Kd of Ra-226 in Saturated Zone	1	0.47	2	0.61	41	-0.16	41	-0.04
Kd of Tc-99 in Saturated Zone	34	-0.18	40	-0.14	72	-0.04	72	-0.01
Kd of Th-229 in Contaminated Zone	80	0.00	80	0.00	68	-0.05	68	-0.01
Kd of Th-229 in Unsaturated Zone 1	42	0.13	34	0.15	16	-0.29	16	-0.08
Kd of Th-229 in Saturated Zone	75	0.01	56	0.07	21	0.27	21	0.08
Kd of Th-230 in Contaminated Zone	8	-0.34	14	-0.26	77	-0.02	77	-0.01
Kd of Th-230 in Unsaturated Zone 1	38	0.15	28	0.16	14	0.32	14	0.09
Kd of Th-230 in Saturated Zone	28	0.20	41	0.14	43	-0.15	43	-0.04
Kd of U-233 in Saturated Zone	66	0.04	70	0.03	76	-0.03	76	-0.01
Kd of U-234 in Saturated Zone	27	-0.20	31	-0.15	36	-0.18	36	-0.05
Kd of U-235 in Saturated Zone	23	0.22	3	0.46	42	-0.16	42	-0.04
Kd of U-238 in Saturated Zone	70	0.03	32	0.15	17	-0.29	18	-0.08
Plant transfer factor for Ac	69	-0.03	71	-0.03	78	0.01	78	0.00
Meat transfer factor for Ac	76	0.01	75	0.01	15	-0.30	15	-0.08
Milk transfer factor for Ac	16	-0.26	17	-0.22	40	0.16	40	0.04
Fish transfer factor for Ac	37	-0.15	33	-0.15	67	-0.05	67	-0.01
Plant transfer factor for Am	77	-0.01	77	-0.01	31	-0.21	31	-0.06
Meat transfer factor for Am	53	-0.09	55	-0.07	53	-0.09	53	-0.02
Milk transfer factor for Am	73	0.02	74	0.01	27	0.24	27	0.07
Fish transfer factor for Am	44	-0.13	45	-0.12	3	-0.58	3	-0.19
Plant transfer factor for Pb	72	-0.02	73	-0.02	55	0.08	55	0.02
Meat transfer factor for Pb	10	0.31	10	0.29	44	0.15	44	0.04
Milk transfer factor for Pb	6	0.36	15	0.26	48	-0.14	48	-0.04
Fish transfer factor for Pb	47	0.12	51	0.09	13	0.36	13	0.10
Plant transfer factor for Np	36	0.16	27	0.17	8	-0.43	8	-0.13
Meat transfer factor for Np	2	0.46	7	0.39	5	0.48	5	0.15
Milk transfer factor for Np	40	-0.14	50	-0.10	75	-0.04	75	-0.01
Fish transfer factor for Np	31	-0.19	43	-0.13	18	-0.29	17	-0.08
Plant transfer factor for Pu	20	0.25	30	0.15	37	0.18	37	0.05
Meat transfer factor for Pu	9	0.31	16	0.25	64	-0.06	64	-0.02
Milk transfer factor for Pu	49	-0.10	54	-0.08	73	-0.04	70	-0.01
Fish transfer factor for Pu	22	-0.23	20	-0.20	20	0.28	20	0.08
Plant transfer factor for Pa	67	0.03	68	0.04	9	0.41	9	0.12
Meat transfer factor for Pa	21	0.24	11	0.29	57	0.08	57	0.02
Milk transfer factor for Pa	64	0.06	65	0.04	28	0.23	28	0.06
Fish transfer factor for Pa	65	0.05	69	0.04	24	0.25	25	0.07
Plant transfer factor for Ra	14	0.27	21	0.20	6	0.47	6	0.14
Meat transfer factor for Ra	74	0.01	76	0.01	70	0.04	73	0.01
Milk transfer factor for Ra	50	0.10	57	0.06	33	-0.19	33	-0.05
Fish transfer factor for Ra	11	-0.29	5	-0.42	38	-0.17	38	-0.05
Plant transfer factor for Tc	12	-0.28	19	-0.20	46	0.15	46	0.04
Meat transfer factor for Tc	56	0.08	58	0.06	54	0.09	54	0.02
Milk transfer factor for Tc	4	-0.38	9	-0.29	11	-0.38	11	-0.11
Fish transfer factor for Tc	33	-0.18	42	-0.13	69	-0.04	69	-0.01
Plant transfer factor for Th	46	0.12	49	0.10	51	0.11	51	0.03
Meat transfer factor for Th	41	-0.13	37	-0.14	65	-0.06	65	-0.02
Milk transfer factor for Th	78	0.01	78	0.00	25	0.25	24	0.07
Fish transfer factor for Th	51	-0.09	38	-0.14	22	-0.26	22	-0.07
Plant transfer factor for U	58	0.07	60	0.05	74	0.04	74	0.01
Meat transfer factor for U	59	-0.06	64	-0.05	52	0.10	52	0.03
Milk transfer factor for U	19	0.25	24	0.19	34	-0.19	34	-0.05
Fish transfer factor for U	39	-0.15	47	-0.11	45	-0.15	45	-0.04
Well pumping rate	63	-0.06	66	-0.04	39	-0.17	39	-0.05
Mass loading for inhalation	35	-0.17	35	-0.15	71	-0.04	71	-0.01
Indoor dust filtration factor	15	0.27	18	0.22	12	0.37	12	0.11
Depth of soil mixing layer	54	-0.09	59	-0.06	7	-0.46	7	-0.14
Depth of roots	79	0.00	79	0.00	23	0.25	23	0.07
Wet weight crop yield of fruit, grain and non-leafy vegetables	29	-0.20	39	-0.14	50	0.12	50	0.03
Weathering removal constant of all vegetation	18	0.25	25	0.18	79	0.01	79	0.00
Wet foliar interception fraction of leafy vegetables	68	0.03	72	0.02	58	0.07	58	0.02

R-SQUARE 0.81 0.81 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 Milk (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	77	0.01	78	0.01	20	0.24	20	0.08	
Kd of Ac-227 in Unsaturated Zone 1	72	-0.04	73	-0.03	41	0.15	41	0.05	
Kd of Ac-227 in Saturated Zone	53	0.12	57	0.08	8	-0.42	9	-0.14	
Kd of Am-241 in Contaminated Zone	26	0.21	30	0.17	53	-0.10	53	-0.03	
Kd of Am-241 in Unsaturated Zone 1	46	0.14	38	0.14	42	-0.13	42	-0.04	
Kd of Am-241 in Saturated Zone	48	0.13	37	0.14	32	0.17	33	0.05	
Kd of Np-237 in Contaminated Zone	43	-0.14	34	-0.15	6	-0.43	6	-0.15	
Kd of Np-237 in Unsaturated Zone 1	7	-0.41	4	-0.59	1	-0.92	1	-0.71	
Kd of Np-237 in Saturated Zone	1	-0.59	6	-0.55	2	-0.50	2	-0.18	
Kd of Pa-231 in Contaminated Zone	76	0.02	74	0.03	67	-0.06	67	-0.02	
Kd of Pa-231 in Unsaturated Zone 1	47	-0.13	22	-0.21	4	-0.48	4	-0.17	
Kd of Pa-231 in Saturated Zone	30	-0.20	16	-0.24	47	-0.11	47	-0.03	
Kd of Pb-210 in Contaminated Zone	58	-0.09	56	-0.08	33	-0.17	32	-0.05	
Kd of Pb-210 in Unsaturated Zone 1	27	-0.21	28	-0.17	17	-0.27	17	-0.09	
Kd of Pb-210 in Saturated Zone	55	0.10	53	0.09	7	-0.43	7	-0.15	
Kd of Pu-239 in Contaminated Zone	20	0.26	19	0.23	64	0.06	64	0.02	
Kd of Pu-239 in Unsaturated Zone 1	3	0.49	1	1.21	55	0.09	54	0.03	
Kd of Pu-239 in Saturated Zone	50	-0.12	44	-0.12	36	0.16	36	0.05	
Kd of Ra-226 in Contaminated Zone	29	-0.21	33	-0.15	68	0.05	68	0.02	
Kd of Ra-226 in Unsaturated Zone 1	38	0.16	46	0.12	73	0.03	73	0.01	
Kd of Ra-226 in Saturated Zone	35	0.17	42	0.13	28	0.18	28	0.06	
Kd of Tc-99 in Saturated Zone	37	-0.16	43	-0.12	39	0.16	39	0.05	
Kd of Th-229 in Contaminated Zone	71	0.04	64	0.05	34	-0.17	34	-0.05	
Kd of Th-229 in Unsaturated Zone 1	11	-0.35	2	-0.90	70	0.05	70	0.02	
Kd of Th-229 in Saturated Zone	9	0.39	3	0.60	63	0.07	63	0.02	
Kd of Th-230 in Contaminated Zone	52	0.12	40	0.13	78	0.01	78	0.00	
Kd of Th-230 in Unsaturated Zone 1	24	0.23	24	0.20	69	-0.05	69	-0.02	
Kd of Th-230 in Saturated Zone	70	0.05	70	0.04	66	-0.06	66	-0.02	
Kd of U-233 in Saturated Zone	33	-0.18	39	-0.13	74	-0.03	74	-0.01	
Kd of U-234 in Saturated Zone	78	0.01	77	0.01	65	-0.06	65	-0.02	
Kd of U-235 in Saturated Zone	44	0.14	36	0.14	24	-0.21	24	-0.07	
Kd of U-238 in Saturated Zone	39	-0.15	47	-0.10	29	-0.18	29	-0.06	
Plant transfer factor for Ac	61	-0.08	63	-0.06	48	-0.11	48	-0.03	
Meat transfer factor for Ac	32	0.19	35	0.15	11	0.34	12	0.11	
Milk transfer factor for Ac	31	-0.19	32	-0.15	19	0.24	19	0.08	
Fish transfer factor for Ac	4	-0.49	7	-0.49	9	-0.42	8	-0.15	
Plant transfer factor for Am	40	-0.15	52	-0.09	13	0.33	14	0.11	
Meat transfer factor for Am	16	0.28	25	0.20	40	0.15	40	0.05	
Milk transfer factor for Am	56	-0.09	54	-0.08	50	-0.10	50	-0.03	
Fish transfer factor for Am	18	0.27	23	0.20	45	-0.12	45	-0.04	
Plant transfer factor for Pb	34	-0.18	20	-0.23	43	0.13	43	0.04	
Meat transfer factor for Pb	14	-0.32	17	-0.24	22	-0.23	22	-0.07	
Milk transfer factor for Pb	13	0.32	14	0.25	37	0.16	38	0.05	
Fish transfer factor for Pb	75	-0.02	72	-0.03	14	0.33	13	0.11	
Plant transfer factor for Np	8	0.41	8	0.35	72	-0.04	71	-0.01	
Meat transfer factor for Np	73	0.03	75	0.02	35	0.16	35	0.05	
Milk transfer factor for Np	10	0.36	10	0.33	38	0.16	37	0.05	
Fish transfer factor for Np	41	-0.14	51	-0.09	56	-0.09	56	-0.03	
Plant transfer factor for Pu	67	-0.05	58	-0.08	77	-0.02	77	-0.01	
Meat transfer factor for Pu	19	0.27	26	0.20	75	0.02	75	0.01	
Milk transfer factor for Pu	54	-0.12	50	-0.09	12	-0.34	11	-0.11	
Fish transfer factor for Pu	51	-0.12	48	-0.10	18	0.25	18	0.08	
Plant transfer factor for Pa	36	0.16	41	0.13	49	-0.10	49	-0.03	
Meat transfer factor for Pa	2	0.49	5	0.57	58	-0.09	58	-0.03	
Milk transfer factor for Pa	60	0.08	62	0.06	61	0.08	61	0.02	
Fish transfer factor for Pa	17	-0.28	9	-0.34	15	-0.33	15	-0.11	
Plant transfer factor for Ra	69	0.05	71	0.03	57	0.09	57	0.03	
Meat transfer factor for Ra	5	-0.44	12	-0.29	3	-0.49	3	-0.18	
Milk transfer factor for Ra	45	-0.14	49	-0.10	31	-0.18	31	-0.06	
Fish transfer factor for Ra	23	-0.24	27	-0.20	16	-0.31	16	-0.10	
Plant transfer factor for Tc	65	0.06	60	0.07	54	-0.09	55	-0.03	
Meat transfer factor for Tc	25	0.22	21	0.23	80	0.00	80	0.00	
Milk transfer factor for Tc	42	0.14	45	0.12	71	0.04	72	0.01	
Fish transfer factor for Tc	66	0.06	69	0.04	23	0.23	23	0.07	
Plant transfer factor for Th	79	0.00	79	0.00	51	0.10	51	0.03	
Meat transfer factor for Th	6	0.43	11	0.29	30	0.18	30	0.06	
Milk transfer factor for Th	74	0.02	76	0.02	5	0.46	5	0.17	
Fish transfer factor for Th	12	-0.33	13	-0.27	59	-0.08	59	-0.03	
Plant transfer factor for U	49	0.13	55	0.08	46	-0.12	46	-0.04	
Meat transfer factor for U	28	0.21	31	0.16	27	0.20	27	0.06	
Milk transfer factor for U	80	0.00	80	0.00	52	0.10	52	0.03	
Fish transfer factor for U	22	-0.25	15	-0.25	25	-0.20	25	-0.07	
Well pumping rate	62	0.07	66	0.05	60	0.08	60	0.03	
Mass loading for inhalation	68	0.05	67	0.04	76	0.02	76	0.01	
Indoor dust filtration factor	64	-0.06	65	-0.05	10	-0.37	10	-0.12	
Depth of soil mixing layer	59	-0.08	61	-0.06	62	0.08	62	0.02	
Depth of roots	63	0.06	68	0.04	21	-0.24	21	-0.08	
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	0.31	18	0.23	79	0.01	79	0.00	
Weathering removal constant of all vegetation	21	-0.26	29	-0.17	44	-0.13	44	-0.04	
Wet foliar interception fraction of leafy vegetables	57	-0.09	59	-0.07	26	0.20	26	0.06	
R-SQUARE		0.79		0.79		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		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	15	0.27	1	1.02	32	-0.27	32	-0.07	
Kd of Ac-227 in Unsaturated Zone 1	32	0.16	38	0.15	56	0.11	57	0.03	
Kd of Ac-227 in Saturated Zone	72	-0.02	74	-0.02	63	0.08	63	0.02	
Kd of Am-241 in Contaminated Zone	11	0.29	19	0.32	35	-0.25	36	-0.06	
Kd of Am-241 in Unsaturated Zone 1	13	0.27	20	0.32	18	-0.43	18	-0.11	
Kd of Am-241 in Saturated Zone	12	-0.27	12	-0.39	62	-0.08	62	-0.02	
Kd of Np-237 in Contaminated Zone	40	-0.14	23	-0.28	15	-0.44	17	-0.11	
Kd of Np-237 in Unsaturated Zone 1	55	-0.09	53	-0.10	1	-0.93	1	-0.59	
Kd of Np-237 in Saturated Zone	3	-0.36	15	-0.36	10	-0.54	10	-0.15	
Kd of Pa-231 in Contaminated Zone	66	-0.06	57	-0.09	14	-0.47	14	-0.13	
Kd of Pa-231 in Unsaturated Zone 1	76	0.01	77	0.01	2	-0.73	2	-0.25	
Kd of Pa-231 in Saturated Zone	44	-0.13	5	-0.52	37	-0.25	37	-0.06	
Kd of Pb-210 in Contaminated Zone	24	-0.22	29	-0.22	8	0.54	8	0.15	
Kd of Pb-210 in Unsaturated Zone 1	42	-0.13	16	-0.35	17	-0.43	16	-0.12	
Kd of Pb-210 in Saturated Zone	41	-0.14	46	-0.13	34	-0.26	34	-0.06	
Kd of Pu-239 in Contaminated Zone	6	-0.32	2	-0.94	19	0.42	19	0.11	
Kd of Pu-239 in Unsaturated Zone 1	9	-0.30	22	-0.29	7	-0.55	7	-0.16	
Kd of Pu-239 in Saturated Zone	47	-0.11	49	-0.11	52	0.13	55	0.03	
Kd of Ra-226 in Contaminated Zone	28	0.18	3	0.73	53	0.13	53	0.03	
Kd of Ra-226 in Unsaturated Zone 1	71	-0.03	71	-0.03	23	0.35	23	0.09	
Kd of Ra-226 in Saturated Zone	26	-0.20	28	-0.22	36	-0.25	35	-0.06	
Kd of Tc-99 in Saturated Zone	39	0.14	44	0.14	42	-0.20	42	-0.05	
Kd of Th-229 in Contaminated Zone	77	0.01	79	0.01	38	0.23	38	0.06	
Kd of Th-229 in Unsaturated Zone 1	79	-0.01	78	-0.01	33	-0.27	33	-0.07	
Kd of Th-229 in Saturated Zone	54	0.09	4	0.56	78	-0.02	78	0.00	
Kd of Th-230 in Contaminated Zone	20	-0.23	7	-0.45	58	-0.11	58	-0.03	
Kd of Th-230 in Unsaturated Zone 1	60	-0.07	56	-0.09	71	-0.05	71	-0.01	
Kd of Th-230 in Saturated Zone	70	-0.05	70	-0.04	26	0.29	26	0.07	
Kd of U-233 in Saturated Zone	64	-0.07	11	-0.40	70	-0.06	70	-0.01	
Kd of U-234 in Saturated Zone	51	0.10	50	0.11	65	0.08	66	0.02	
Kd of U-235 in Saturated Zone	43	0.13	27	0.24	72	-0.05	72	-0.01	
Kd of U-238 in Saturated Zone	68	-0.06	64	-0.06	29	-0.28	30	-0.07	
Plant transfer factor for Ac	36	0.15	39	0.15	80	0.01	80	0.00	
Meat transfer factor for Ac	14	-0.27	26	-0.24	51	-0.13	51	-0.03	
Milk transfer factor for Ac	45	0.12	47	0.12	31	0.28	31	0.07	
Fish transfer factor for Ac	78	-0.01	75	-0.01	13	0.48	13	0.13	
Plant transfer factor for Am	75	-0.02	76	-0.01	28	-0.28	29	-0.07	
Meat transfer factor for Am	53	-0.09	52	-0.10	48	0.16	48	0.04	
Milk transfer factor for Am	74	0.02	73	0.02	69	-0.06	69	-0.01	
Fish transfer factor for Am	21	-0.23	25	-0.24	4	0.61	4	0.18	
Plant transfer factor for Pb	69	0.06	66	0.06	79	-0.02	79	0.00	
Meat transfer factor for Pb	1	0.39	6	0.45	9	0.54	9	0.15	
Milk transfer factor for Pb	27	-0.18	31	-0.22	3	-0.72	3	-0.25	
Fish transfer factor for Pb	29	-0.17	41	-0.14	74	-0.04	74	-0.01	
Plant transfer factor for Np	4	-0.33	14	-0.37	16	-0.44	15	-0.12	
Meat transfer factor for Np	48	-0.10	59	-0.08	44	0.20	44	0.05	
Milk transfer factor for Np	23	0.22	35	0.20	39	0.22	39	0.05	
Fish transfer factor for Np	33	0.16	43	0.14	59	0.09	59	0.02	
Plant transfer factor for Pu	52	-0.10	60	-0.08	6	-0.56	6	-0.16	
Meat transfer factor for Pu	17	0.24	33	0.21	75	0.04	75	0.01	
Milk transfer factor for Pu	31	0.16	40	0.15	73	0.04	73	0.01	
Fish transfer factor for Pu	73	0.02	72	0.02	57	-0.11	56	-0.03	
Plant transfer factor for Pa	56	0.09	54	0.10	20	-0.41	21	-0.11	
Meat transfer factor for Pa	7	-0.32	10	-0.42	40	-0.21	41	-0.05	
Milk transfer factor for Pa	8	0.31	21	0.31	60	-0.09	60	-0.02	
Fish transfer factor for Pa	18	0.23	17	0.34	64	0.08	64	0.02	
Plant transfer factor for Ra	5	0.33	18	0.33	30	-0.28	28	-0.07	
Meat transfer factor for Ra	49	0.10	55	0.09	50	-0.13	50	-0.03	
Milk transfer factor for Ra	50	0.10	48	0.12	22	-0.35	22	-0.09	
Fish transfer factor for Ra	57	-0.09	61	-0.07	5	-0.60	5	-0.18	
Plant transfer factor for Tc	19	-0.23	30	-0.22	54	0.12	54	0.03	
Meat transfer factor for Tc	80	-0.01	80	0.00	49	-0.15	49	-0.04	
Milk transfer factor for Tc	65	-0.06	69	-0.05	12	0.51	12	0.14	
Fish transfer factor for Tc	67	-0.06	68	-0.05	66	-0.08	65	-0.02	
Plant transfer factor for Th	10	0.30	13	0.39	47	0.16	47	0.04	
Meat transfer factor for Th	38	-0.14	45	-0.13	46	0.17	46	0.04	
Milk transfer factor for Th	34	0.15	37	0.15	11	0.54	11	0.15	
Fish transfer factor for Th	25	0.20	8	0.44	21	0.41	20	0.11	
Plant transfer factor for U	61	-0.07	67	-0.06	45	0.19	45	0.05	
Meat transfer factor for U	2	0.37	9	0.44	43	0.20	43	0.05	
Milk transfer factor for U	30	0.16	32	0.22	61	-0.09	61	-0.02	
Fish transfer factor for U	35	-0.15	42	-0.14	77	0.04	76	0.01	
Well pumping rate	37	-0.15	36	-0.16	25	-0.29	25	-0.07	
Mass loading for inhalation	16	0.26	24	0.25	67	0.07	68	0.02	
Indoor dust filtration factor	63	-0.07	65	-0.06	68	0.07	67	0.02	
Depth of soil mixing layer	58	-0.09	58	-0.09	55	0.12	52	0.03	
Depth of roots	59	-0.08	62	-0.07	24	0.30	24	0.07	
Wet weight crop yield of fruit, grain and non-leafy vegetables	46	0.12	51	0.10	76	-0.04	77	-0.01	
Weathering removal constant of all vegetation	22	-0.22	34	-0.20	27	-0.29	27	-0.07	
Wet foliar interception fraction of leafy vegetables	62	-0.07	63	-0.07	41	-0.21	40	-0.05	
R-SQUARE		0.68		0.68		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 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	7	0.35	11	0.33	19	-0.30	19	-0.09
Kd of Ac-227 in Unsaturated Zone 1	62	-0.06	56	-0.08	24	-0.26	24	-0.08
Kd of Ac-227 in Saturated Zone	33	-0.18	25	-0.20	71	0.03	72	0.01
Kd of Am-241 in Contaminated Zone	5	0.36	1	0.66	73	0.03	73	0.01
Kd of Am-241 in Unsaturated Zone 1	80	0.00	80	0.00	20	-0.30	20	-0.09
Kd of Am-241 in Saturated Zone	34	-0.17	8	-0.36	55	0.09	55	0.03
Kd of Np-237 in Contaminated Zone	10	-0.33	5	-0.44	4	-0.55	4	-0.19
Kd of Np-237 in Unsaturated Zone 1	29	0.18	34	0.17	1	-0.91	1	-0.64
Kd of Np-237 in Saturated Zone	36	-0.16	21	-0.22	2	-0.64	3	-0.24
Kd of Pa-231 in Contaminated Zone	70	-0.02	66	-0.04	35	-0.21	35	-0.06
Kd of Pa-231 in Unsaturated Zone 1	28	-0.18	28	-0.19	11	-0.37	11	-0.11
Kd of Pa-231 in Saturated Zone	32	-0.18	23	-0.21	67	-0.04	67	-0.01
Kd of Pb-210 in Contaminated Zone	63	0.06	43	0.12	58	-0.08	58	-0.02
Kd of Pb-210 in Unsaturated Zone 1	76	0.01	72	0.03	68	0.04	68	0.01
Kd of Pb-210 in Saturated Zone	15	0.26	19	0.23	53	-0.10	53	-0.03
Kd of Pu-239 in Contaminated Zone	53	0.10	53	0.09	77	-0.02	77	-0.01
Kd of Pu-239 in Unsaturated Zone 1	16	-0.26	20	-0.23	50	0.12	50	0.04
Kd of Pu-239 in Saturated Zone	55	-0.09	61	-0.06	30	-0.23	30	-0.07
Kd of Ra-226 in Contaminated Zone	44	-0.13	51	-0.10	18	-0.30	18	-0.09
Kd of Ra-226 in Unsaturated Zone 1	58	-0.08	63	-0.06	74	-0.02	74	-0.01
Kd of Ra-226 in Saturated Zone	8	0.35	4	0.47	26	-0.26	25	-0.08
Kd of Tc-99 in Saturated Zone	26	-0.20	31	-0.17	52	-0.11	52	-0.03
Kd of Th-229 in Contaminated Zone	71	-0.02	74	-0.02	70	-0.03	70	-0.01
Kd of Th-229 in Unsaturated Zone 1	51	-0.11	41	-0.14	16	-0.31	16	-0.10
Kd of Th-229 in Saturated Zone	75	0.01	58	0.08	34	0.21	34	0.06
Kd of Th-230 in Contaminated Zone	3	-0.44	7	-0.40	62	0.07	61	0.02
Kd of Th-230 in Unsaturated Zone 1	35	0.16	27	0.19	8	0.42	8	0.14
Kd of Th-230 in Saturated Zone	52	0.11	57	0.08	33	-0.21	32	-0.06
Kd of U-233 in Saturated Zone	46	-0.11	44	-0.12	49	-0.12	49	-0.04
Kd of U-234 in Saturated Zone	23	-0.20	32	-0.17	39	-0.17	39	-0.05
Kd of U-235 in Saturated Zone	43	0.13	13	0.30	37	-0.18	38	-0.05
Kd of U-238 in Saturated Zone	64	-0.05	16	-0.28	21	-0.28	21	-0.08
Plant transfer factor for Ac	78	0.00	78	0.00	56	-0.09	57	-0.03
Meat transfer factor for Ac	56	0.09	52	0.09	22	-0.28	22	-0.08
Milk transfer factor for Ac	20	-0.22	26	-0.20	60	0.07	60	0.02
Fish transfer factor for Ac	74	0.02	76	0.02	72	0.03	71	0.01
Plant transfer factor for Am	38	0.15	46	0.11	32	-0.21	33	-0.06
Meat transfer factor for Am	68	0.04	70	0.03	75	-0.02	75	-0.01
Milk transfer factor for Am	21	0.21	29	0.18	45	0.15	45	0.04
Fish transfer factor for Am	69	0.03	71	0.03	3	-0.64	2	-0.24
Plant transfer factor for Pb	73	0.02	75	0.02	79	-0.01	79	0.00
Meat transfer factor for Pb	1	0.51	2	0.59	42	0.17	42	0.05
Milk transfer factor for Pb	24	0.20	36	0.15	65	-0.06	65	-0.02
Fish transfer factor for Pb	27	0.20	35	0.16	27	0.26	27	0.08
Plant transfer factor for Np	45	0.12	42	0.13	17	-0.31	17	-0.10
Meat transfer factor for Np	59	0.08	62	0.06	76	-0.02	76	-0.01
Milk transfer factor for Np	41	0.14	45	0.11	7	0.43	7	0.14
Fish transfer factor for Np	39	-0.14	47	-0.11	14	-0.34	14	-0.11
Plant transfer factor for Pu	40	0.14	50	0.10	23	0.27	23	0.08
Meat transfer factor for Pu	13	0.27	18	0.24	38	-0.18	37	-0.05
Milk transfer factor for Pu	66	-0.04	68	-0.04	57	-0.09	56	-0.03
Fish transfer factor for Pu	9	-0.34	9	-0.35	15	0.32	15	0.10
Plant transfer factor for Pa	77	0.01	77	0.02	13	0.34	13	0.11
Meat transfer factor for Pa	47	0.11	37	0.15	80	0.01	80	0.00
Milk transfer factor for Pa	61	-0.06	65	-0.06	36	0.19	36	0.06
Fish transfer factor for Pa	67	-0.04	69	-0.03	12	0.35	12	0.11
Plant transfer factor for Ra	4	0.41	10	0.34	5	0.45	5	0.14
Meat transfer factor for Ra	49	-0.11	49	-0.10	54	-0.09	54	-0.03
Milk transfer factor for Ra	54	0.10	59	0.07	48	-0.13	48	-0.04
Fish transfer factor for Ra	25	-0.20	12	-0.31	29	-0.23	29	-0.07
Plant transfer factor for Tc	31	-0.18	39	-0.14	31	0.22	31	0.06
Meat transfer factor for Tc	17	0.24	24	0.21	40	0.17	41	0.05
Milk transfer factor for Tc	12	-0.30	17	-0.25	9	-0.41	9	-0.13
Fish transfer factor for Tc	6	-0.35	14	-0.30	61	-0.07	62	-0.02
Plant transfer factor for Th	60	0.07	60	0.07	25	0.26	26	0.08
Meat transfer factor for Th	72	-0.02	73	-0.03	69	-0.04	69	-0.01
Milk transfer factor for Th	57	-0.08	64	-0.06	47	0.14	47	0.04
Fish transfer factor for Th	14	-0.27	3	-0.49	28	-0.25	28	-0.08
Plant transfer factor for U	2	0.48	6	0.44	46	0.14	46	0.04
Meat transfer factor for U	37	-0.16	40	-0.14	43	0.16	43	0.05
Milk transfer factor for U	22	0.20	33	0.17	66	-0.05	66	-0.02
Fish transfer factor for U	48	-0.11	55	-0.09	64	-0.06	64	-0.02
Well pumping rate	50	0.11	54	0.09	51	-0.12	51	-0.03
Mass loading for inhalation	19	-0.22	22	-0.21	63	-0.06	63	-0.02
Indoor dust filtration factor	11	0.32	15	0.29	10	0.39	10	0.13
Depth of soil mixing layer	42	-0.14	48	-0.11	6	-0.43	6	-0.14
Depth of roots	79	0.00	79	0.00	44	0.15	44	0.05
Wet weight crop yield of fruit, grain and non-leafy vegetables	30	-0.18	38	-0.14	41	0.17	40	0.05
Weathering removal constant of all vegetation	18	0.22	30	0.17	78	0.02	78	0.00
Wet foliar interception fraction of leafy vegetables	65	0.05	67	0.04	59	0.08	59	0.02

R-SQUARE 0.76 0.76 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 Am-241 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	60	0.06	63	0.01	41	0.28	41	0.02
Kd of Ac-227 in Unsaturated Zone 1	7	-0.29	16	-0.07	29	0.35	31	0.03
Kd of Ac-227 in Saturated Zone	80	0.00	80	0.00	58	-0.17	58	-0.01
Kd of Am-241 in Contaminated Zone	6	-0.30	12	-0.08	6	0.58	6	0.06
Kd of Am-241 in Unsaturated Zone 1	51	-0.08	44	-0.03	4	-0.67	4	-0.07
Kd of Am-241 in Saturated Zone	20	0.20	14	0.07	19	-0.42	19	-0.04
Kd of Np-237 in Contaminated Zone	69	0.03	66	0.01	42	-0.26	43	-0.02
Kd of Np-237 in Unsaturated Zone 1	59	0.06	42	0.03	27	0.37	27	0.03
Kd of Np-237 in Saturated Zone	76	-0.02	77	-0.01	64	-0.12	64	-0.01
Kd of Pa-231 in Contaminated Zone	61	-0.05	47	-0.02	11	-0.51	11	-0.05
Kd of Pa-231 in Unsaturated Zone 1	44	0.08	31	0.04	76	-0.01	76	0.00
Kd of Pa-231 in Saturated Zone	18	-0.21	9	-0.08	73	0.05	73	0.00
Kd of Pb-210 in Contaminated Zone	72	-0.03	72	-0.01	45	0.25	45	0.02
Kd of Pb-210 in Unsaturated Zone 1	68	0.03	69	0.01	74	0.04	74	0.00
Kd of Pb-210 in Saturated Zone	35	0.11	38	0.03	22	0.40	23	0.04
Kd of Pu-239 in Contaminated Zone	17	0.22	18	0.06	66	-0.10	67	-0.01
Kd of Pu-239 in Unsaturated Zone 1	40	-0.09	19	-0.06	77	-0.01	77	0.00
Kd of Pu-239 in Saturated Zone	13	0.25	11	0.08	14	0.48	15	0.04
Kd of Ra-226 in Contaminated Zone	39	-0.10	48	-0.02	53	-0.19	53	-0.02
Kd of Ra-226 in Unsaturated Zone 1	63	0.05	65	0.01	24	-0.40	22	-0.04
Kd of Ra-226 in Saturated Zone	55	-0.07	59	-0.02	13	0.49	13	0.05
Kd of Tc-99 in Saturated Zone	71	-0.03	73	-0.01	75	0.02	75	0.00
Kd of Th-229 in Contaminated Zone	46	0.08	37	0.03	5	0.63	5	0.07
Kd of Th-229 in Unsaturated Zone 1	25	0.18	3	0.15	26	0.39	26	0.03
Kd of Th-229 in Saturated Zone	52	-0.07	35	-0.03	54	0.18	55	0.02
Kd of Th-230 in Contaminated Zone	32	-0.13	28	-0.05	16	0.47	16	0.04
Kd of Th-230 in Unsaturated Zone 1	62	0.05	62	0.02	67	-0.10	66	-0.01
Kd of Th-230 in Saturated Zone	66	-0.04	67	-0.01	51	0.23	51	0.02
Kd of U-233 in Saturated Zone	47	-0.08	54	-0.02	18	0.44	18	0.04
Kd of U-234 in Saturated Zone	65	-0.04	57	-0.02	57	-0.18	56	-0.01
Kd of U-235 in Saturated Zone	16	-0.23	13	-0.08	68	0.09	68	0.01
Kd of U-238 in Saturated Zone	34	0.12	43	0.03	61	-0.15	61	-0.01
Plant transfer factor for Ac	54	0.07	56	0.02	48	-0.24	47	-0.02
Meat transfer factor for Ac	5	-0.38	6	-0.11	34	-0.33	35	-0.03
Milk transfer factor for Ac	75	-0.02	75	-0.01	80	0.00	80	0.00
Fish transfer factor for Ac	19	-0.21	20	-0.06	40	-0.28	40	-0.02
Plant transfer factor for Am	1	0.98	1	0.93	1	1.00	1	0.92
Meat transfer factor for Am	21	0.20	27	0.05	33	-0.33	33	-0.03
Milk transfer factor for Am	64	0.05	64	0.01	78	0.01	78	0.00
Fish transfer factor for Am	30	0.14	34	0.04	65	-0.12	65	-0.01
Plant transfer factor for Pb	53	0.07	39	0.03	25	-0.40	25	-0.04
Meat transfer factor for Pb	49	-0.08	55	-0.02	3	-0.76	3	-0.09
Milk transfer factor for Pb	74	0.02	76	0.01	43	-0.26	42	-0.02
Fish transfer factor for Pb	77	0.02	71	0.01	55	0.18	54	0.02
Plant transfer factor for Np	70	-0.03	70	-0.01	59	-0.16	59	-0.01
Meat transfer factor for Np	10	-0.26	17	-0.06	30	0.35	29	0.03
Milk transfer factor for Np	27	0.16	29	0.05	20	0.41	21	0.04
Fish transfer factor for Np	15	0.23	23	0.05	7	0.55	7	0.05
Plant transfer factor for Pu	36	-0.11	24	-0.05	23	-0.40	24	-0.04
Meat transfer factor for Pu	29	-0.15	33	-0.04	35	0.33	34	0.03
Milk transfer factor for Pu	37	0.10	40	0.03	10	-0.51	9	-0.05
Fish transfer factor for Pu	26	-0.17	25	-0.05	79	0.00	79	0.00
Plant transfer factor for Pa	58	-0.06	58	-0.02	32	0.34	30	0.03
Meat transfer factor for Pa	57	0.07	49	0.02	31	0.35	32	0.03
Milk transfer factor for Pa	42	0.08	52	0.02	69	-0.07	69	-0.01
Fish transfer factor for Pa	8	-0.27	5	-0.11	56	-0.18	57	-0.01
Plant transfer factor for Ra	56	0.07	61	0.02	8	-0.52	8	-0.05
Meat transfer factor for Ra	4	-0.39	10	-0.08	39	-0.28	39	-0.02
Milk transfer factor for Ra	79	0.01	79	0.00	44	0.26	44	0.02
Fish transfer factor for Ra	24	-0.19	26	-0.05	70	-0.07	70	-0.01
Plant transfer factor for Tc	12	0.25	7	0.10	38	0.29	38	0.02
Meat transfer factor for Tc	11	0.26	8	0.09	52	-0.22	52	-0.02
Milk transfer factor for Tc	3	-0.44	4	-0.13	72	0.05	72	0.00
Fish transfer factor for Tc	38	-0.10	50	-0.02	60	0.16	60	0.01
Plant transfer factor for Th	48	-0.08	45	-0.03	15	-0.48	14	-0.05
Meat transfer factor for Th	33	0.12	46	0.02	63	-0.13	63	-0.01
Milk transfer factor for Th	78	0.02	78	0.00	21	0.41	20	0.04
Fish transfer factor for Th	73	-0.03	74	-0.01	28	0.36	28	0.03
Plant transfer factor for U	23	-0.19	32	-0.04	71	-0.06	71	-0.01
Meat transfer factor for U	31	0.14	36	0.03	37	0.32	37	0.03
Milk transfer factor for U	28	-0.16	30	-0.04	12	0.49	12	0.05
Fish transfer factor for U	43	-0.08	41	-0.03	49	0.23	49	0.02
Well pumping rate	14	-0.24	21	-0.05	47	-0.24	48	-0.02
Mass loading for inhalation	9	0.27	15	0.07	36	0.32	36	0.03
Indoor dust filtration factor	41	0.09	51	0.02	62	0.14	62	0.01
Depth of soil mixing layer	22	0.20	22	0.05	17	0.46	17	0.04
Depth of roots	2	-0.70	2	-0.20	2	-0.96	2	-0.29
Wet weight crop yield of fruit, grain and non-leafy vegetables	45	-0.08	53	-0.02	46	-0.25	46	-0.02
Weathering removal constant of all vegetation	50	0.08	60	0.02	9	0.51	10	0.05
Wet foliar interception fraction of leafy vegetables	67	-0.04	68	-0.01	50	0.23	50	0.02

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 Am-241 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	27	0.25	6	0.31	70	0.05	70	0.01
Kd of Ac-227 in Unsaturated Zone 1	39	0.20	43	0.06	72	-0.04	72	0.00
Kd of Ac-227 in Saturated Zone	75	-0.05	76	-0.01	62	-0.08	62	-0.01
Kd of Am-241 in Contaminated Zone	53	0.14	57	0.05	71	0.05	71	0.01
Kd of Am-241 in Unsaturated Zone 1	11	0.36	14	0.14	68	-0.05	68	-0.01
Kd of Am-241 in Saturated Zone	65	0.09	60	0.04	40	-0.17	40	-0.02
Kd of Np-237 in Contaminated Zone	4	-0.46	5	-0.35	73	0.04	73	0.00
Kd of Np-237 in Unsaturated Zone 1	46	0.16	50	0.06	5	0.46	5	0.06
Kd of Np-237 in Saturated Zone	19	0.30	26	0.10	4	-0.56	4	-0.08
Kd of Pa-231 in Contaminated Zone	24	-0.26	15	-0.13	42	0.16	42	0.02
Kd of Pa-231 in Unsaturated Zone 1	28	-0.24	27	-0.09	74	0.04	74	0.00
Kd of Pa-231 in Saturated Zone	80	0.01	78	0.01	78	-0.02	77	0.00
Kd of Pb-210 in Contaminated Zone	64	-0.09	65	-0.03	34	-0.21	34	-0.02
Kd of Pb-210 in Unsaturated Zone 1	48	-0.15	17	-0.13	45	0.13	45	0.01
Kd of Pb-210 in Saturated Zone	2	0.87	4	0.52	22	-0.24	23	-0.03
Kd of Pu-239 in Contaminated Zone	37	-0.20	7	-0.19	46	-0.13	46	-0.01
Kd of Pu-239 in Unsaturated Zone 1	35	0.21	42	0.07	65	0.07	65	0.01
Kd of Pu-239 in Saturated Zone	32	0.22	31	0.08	32	0.21	32	0.02
Kd of Ra-226 in Contaminated Zone	67	-0.08	20	-0.11	30	0.22	30	0.02
Kd of Ra-226 in Unsaturated Zone 1	33	0.22	35	0.07	58	-0.09	58	-0.01
Kd of Ra-226 in Saturated Zone	79	-0.01	80	0.00	17	-0.26	17	-0.03
Kd of Tc-99 in Saturated Zone	70	-0.07	72	-0.02	57	-0.10	56	-0.01
Kd of Th-229 in Contaminated Zone	21	-0.28	30	-0.08	15	-0.27	14	-0.03
Kd of Th-229 in Unsaturated Zone 1	52	-0.14	53	-0.05	10	0.36	10	0.04
Kd of Th-229 in Saturated Zone	10	0.36	2	0.76	47	0.13	47	0.01
Kd of Th-230 in Contaminated Zone	60	0.12	34	0.07	7	0.40	7	0.05
Kd of Th-230 in Unsaturated Zone 1	13	0.35	13	0.15	61	0.08	61	0.01
Kd of Th-230 in Saturated Zone	12	0.35	22	0.10	60	0.09	60	0.01
Kd of U-233 in Saturated Zone	9	-0.37	1	-0.78	48	-0.13	49	-0.01
Kd of U-234 in Saturated Zone	38	-0.20	32	-0.07	56	-0.10	57	-0.01
Kd of U-235 in Saturated Zone	20	0.28	9	0.17	31	0.21	31	0.02
Kd of U-238 in Saturated Zone	45	0.16	46	0.06	59	-0.09	59	-0.01
Plant transfer factor for Ac	74	0.06	74	0.02	51	0.12	52	0.01
Meat transfer factor for Ac	17	0.34	25	0.10	35	0.20	36	0.02
Milk transfer factor for Ac	71	0.07	69	0.02	77	0.02	78	0.00
Fish transfer factor for Ac	7	0.38	10	0.17	6	0.41	6	0.05
Plant transfer factor for Am	1	0.94	3	0.75	1	0.99	1	0.92
Meat transfer factor for Am	40	0.19	40	0.07	52	0.12	53	0.01
Milk transfer factor for Am	34	0.22	41	0.07	76	-0.03	76	0.00
Fish transfer factor for Am	61	0.11	64	0.04	54	-0.12	54	-0.01
Plant transfer factor for Pb	50	-0.14	55	-0.05	19	0.25	20	0.03
Meat transfer factor for Pb	3	-0.46	8	-0.18	75	0.03	75	0.00
Milk transfer factor for Pb	57	-0.13	56	-0.05	23	-0.24	21	-0.03
Fish transfer factor for Pb	26	-0.25	39	-0.07	64	0.07	64	0.01
Plant transfer factor for Np	14	0.34	16	0.13	69	-0.05	69	-0.01
Meat transfer factor for Np	30	-0.23	44	-0.06	79	-0.02	79	0.00
Milk transfer factor for Np	69	0.08	70	0.02	66	-0.06	66	-0.01
Fish transfer factor for Np	51	0.14	62	0.04	18	-0.26	18	-0.03
Plant transfer factor for Pu	8	0.37	23	0.10	33	-0.21	33	-0.02
Meat transfer factor for Pu	68	-0.08	71	-0.02	14	0.28	15	0.03
Milk transfer factor for Pu	78	-0.02	79	-0.01	27	0.23	27	0.03
Fish transfer factor for Pu	16	0.34	18	0.12	11	-0.32	11	-0.04
Plant transfer factor for Pa	73	-0.07	68	-0.02	43	0.15	43	0.02
Meat transfer factor for Pa	56	-0.13	54	-0.05	9	-0.38	9	-0.05
Milk transfer factor for Pa	49	-0.15	58	-0.05	24	0.24	24	0.03
Fish transfer factor for Pa	58	0.12	51	0.06	50	-0.12	50	-0.01
Plant transfer factor for Ra	59	0.12	63	0.04	37	0.19	37	0.02
Meat transfer factor for Ra	43	0.18	52	0.05	21	0.24	22	0.03
Milk transfer factor for Ra	42	-0.18	37	-0.07	53	-0.12	51	-0.01
Fish transfer factor for Ra	66	0.09	67	0.02	67	0.06	67	0.01
Plant transfer factor for Tc	23	0.27	28	0.08	8	-0.40	8	-0.05
Meat transfer factor for Tc	63	-0.10	66	-0.02	28	-0.22	28	-0.03
Milk transfer factor for Tc	36	-0.21	48	-0.06	63	-0.08	63	-0.01
Fish transfer factor for Tc	15	0.34	21	0.11	25	-0.23	25	-0.03
Plant transfer factor for Th	25	-0.26	19	-0.11	44	0.14	44	0.02
Meat transfer factor for Th	55	0.13	61	0.04	12	0.31	12	0.04
Milk transfer factor for Th	41	-0.19	45	-0.06	55	-0.11	55	-0.01
Fish transfer factor for Th	62	-0.11	33	-0.07	29	-0.22	29	-0.02
Plant transfer factor for U	22	-0.28	29	-0.08	39	0.18	39	0.02
Meat transfer factor for U	76	-0.05	75	-0.02	36	0.20	35	0.02
Milk transfer factor for U	54	-0.13	47	-0.06	26	0.23	26	0.03
Fish transfer factor for U	31	0.23	38	0.07	20	0.25	19	0.03
Well pumping rate	6	-0.42	12	-0.16	13	0.31	13	0.04
Mass loading for inhalation	77	-0.04	77	-0.01	41	0.16	41	0.02
Indoor dust filtration factor	72	0.07	73	0.02	80	-0.01	80	0.00
Depth of soil mixing layer	18	0.31	24	0.10	3	0.71	3	0.11
Depth of roots	5	-0.46	11	-0.17	2	-0.95	2	-0.32
Wet weight crop yield of fruit, grain and non-leafy vegetables	29	0.24	36	0.07	49	0.13	48	0.01
Weathering removal constant of all vegetation	47	-0.15	59	-0.04	38	0.19	38	0.02
Wet foliar interception fraction of leafy vegetables	44	-0.18	49	-0.06	16	0.26	16	0.03

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 Am-241 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	68	0.03	68	0.00	33	0.26	34	0.03
Kd of Ac-227 in Unsaturated Zone 1	48	-0.12	34	-0.03	54	0.12	54	0.01
Kd of Ac-227 in Saturated Zone	15	-0.30	16	-0.06	44	-0.18	44	-0.02
Kd of Am-241 in Contaminated Zone	75	-0.01	69	0.00	27	0.29	27	0.03
Kd of Am-241 in Unsaturated Zone 1	31	-0.18	40	-0.02	5	-0.59	5	-0.07
Kd of Am-241 in Saturated Zone	36	0.18	14	0.06	39	-0.22	39	-0.02
Kd of Np-237 in Contaminated Zone	22	-0.23	21	-0.05	79	0.00	79	0.00
Kd of Np-237 in Unsaturated Zone 1	26	-0.21	32	-0.03	53	-0.12	53	-0.01
Kd of Np-237 in Saturated Zone	7	-0.39	8	-0.09	23	-0.33	23	-0.03
Kd of Pa-231 in Contaminated Zone	30	-0.19	18	-0.05	49	0.15	49	0.02
Kd of Pa-231 in Unsaturated Zone 1	50	-0.12	50	-0.02	8	0.50	8	0.06
Kd of Pa-231 in Saturated Zone	66	0.04	62	0.01	13	0.40	13	0.04
Kd of Pb-210 in Contaminated Zone	17	-0.27	7	-0.10	71	-0.03	71	0.00
Kd of Pb-210 in Unsaturated Zone 1	27	0.20	12	0.07	67	0.07	67	0.01
Kd of Pb-210 in Saturated Zone	73	-0.01	75	0.00	35	0.25	35	0.03
Kd of Pu-239 in Contaminated Zone	37	-0.18	39	-0.03	56	-0.12	56	-0.01
Kd of Pu-239 in Unsaturated Zone 1	4	-0.49	10	-0.08	37	-0.23	37	-0.02
Kd of Pu-239 in Saturated Zone	58	-0.08	60	-0.01	9	0.43	10	0.05
Kd of Ra-226 in Contaminated Zone	12	0.33	23	0.04	29	0.28	29	0.03
Kd of Ra-226 in Unsaturated Zone 1	43	-0.15	51	-0.02	59	0.10	59	0.01
Kd of Ra-226 in Saturated Zone	5	-0.47	5	-0.11	21	-0.34	21	-0.04
Kd of Tc-99 in Saturated Zone	55	0.09	54	0.01	19	-0.36	19	-0.04
Kd of Th-229 in Contaminated Zone	65	-0.04	66	-0.01	36	0.25	36	0.03
Kd of Th-229 in Unsaturated Zone 1	33	0.18	24	0.04	48	-0.15	48	-0.02
Kd of Th-229 in Saturated Zone	51	-0.12	6	-0.10	64	-0.07	64	-0.01
Kd of Th-230 in Contaminated Zone	44	-0.15	49	-0.02	40	0.21	41	0.02
Kd of Th-230 in Unsaturated Zone 1	61	-0.06	58	-0.01	62	-0.09	61	-0.01
Kd of Th-230 in Saturated Zone	59	0.07	59	0.01	58	0.11	58	0.01
Kd of U-233 in Saturated Zone	49	0.12	47	0.02	61	-0.09	62	-0.01
Kd of U-234 in Saturated Zone	1	0.99	1	0.86	10	0.43	9	0.05
Kd of U-235 in Saturated Zone	52	-0.11	22	-0.04	75	-0.01	75	0.00
Kd of U-238 in Saturated Zone	45	0.14	3	0.14	76	0.01	76	0.00
Plant transfer factor for Ac	57	0.08	53	0.01	69	0.06	69	0.01
Meat transfer factor for Ac	71	-0.02	73	0.00	63	0.08	63	0.01
Milk transfer factor for Ac	29	0.20	35	0.03	16	-0.37	17	-0.04
Fish transfer factor for Ac	80	0.00	80	0.00	42	0.20	42	0.02
Plant transfer factor for Am	2	0.97	2	0.46	1	0.99	1	0.91
Meat transfer factor for Am	23	-0.21	33	-0.03	43	0.18	43	0.02
Milk transfer factor for Am	41	0.16	44	0.02	78	-0.01	78	0.00
Fish transfer factor for Am	13	-0.30	20	-0.05	52	-0.13	52	-0.01
Plant transfer factor for Pb	38	-0.18	31	-0.03	51	0.13	51	0.01
Meat transfer factor for Pb	10	-0.36	15	-0.06	31	-0.27	31	-0.03
Milk transfer factor for Pb	18	0.26	30	0.03	74	-0.01	74	0.00
Fish transfer factor for Pb	60	-0.07	61	-0.01	46	-0.17	47	-0.02
Plant transfer factor for Np	8	0.37	11	0.07	11	0.43	11	0.05
Meat transfer factor for Np	54	-0.09	56	-0.01	55	0.12	55	0.01
Milk transfer factor for Np	70	-0.02	74	0.00	12	0.42	12	0.05
Fish transfer factor for Np	76	-0.01	77	0.00	41	-0.21	40	-0.02
Plant transfer factor for Pu	47	-0.13	52	-0.01	57	-0.12	57	-0.01
Meat transfer factor for Pu	67	0.03	67	0.00	15	-0.37	15	-0.04
Milk transfer factor for Pu	25	0.21	37	0.03	77	-0.01	77	0.00
Fish transfer factor for Pu	24	-0.21	28	-0.03	6	-0.59	6	-0.07
Plant transfer factor for Pa	74	0.01	72	0.00	24	-0.32	24	-0.03
Meat transfer factor for Pa	40	0.16	26	0.03	45	0.17	45	0.02
Milk transfer factor for Pa	39	-0.16	41	-0.02	30	-0.28	30	-0.03
Fish transfer factor for Pa	35	0.18	43	0.02	22	-0.34	22	-0.04
Plant transfer factor for Ra	78	0.01	78	0.00	65	-0.07	65	-0.01
Meat transfer factor for Ra	6	0.41	13	0.07	32	0.27	33	0.03
Milk transfer factor for Ra	32	-0.18	46	-0.02	14	-0.38	14	-0.04
Fish transfer factor for Ra	14	-0.30	9	-0.08	68	0.06	68	0.01
Plant transfer factor for Tc	62	-0.06	63	-0.01	28	0.29	28	0.03
Meat transfer factor for Tc	11	0.35	19	0.05	73	-0.02	73	0.00
Milk transfer factor for Tc	42	-0.15	48	-0.02	47	0.17	46	0.02
Fish transfer factor for Tc	16	0.28	25	0.04	70	-0.06	70	-0.01
Plant transfer factor for Th	9	0.36	17	0.06	17	0.37	16	0.04
Meat transfer factor for Th	79	0.00	79	0.00	80	0.00	80	0.00
Milk transfer factor for Th	20	-0.24	38	-0.03	26	-0.29	26	-0.03
Fish transfer factor for Th	77	-0.01	70	0.00	72	-0.02	72	0.00
Plant transfer factor for U	64	0.04	65	0.01	7	0.55	7	0.07
Meat transfer factor for U	21	-0.23	29	-0.03	18	-0.36	18	-0.04
Milk transfer factor for U	56	-0.09	57	-0.01	66	-0.07	66	-0.01
Fish transfer factor for U	63	-0.05	64	-0.01	60	-0.10	60	-0.01
Well pumping rate	19	-0.25	27	-0.03	3	-0.70	3	-0.10
Mass loading for inhalation	46	0.14	45	0.02	4	-0.61	4	-0.08
Indoor dust filtration factor	28	-0.20	36	-0.03	34	0.26	32	0.03
Depth of soil mixing layer	72	0.01	76	0.00	50	-0.14	50	-0.01
Depth of roots	3	-0.74	4	-0.14	2	-0.96	2	-0.33
Wet weight crop yield of fruit, grain and non-leafy vegetables	34	0.18	42	0.02	38	-0.23	38	-0.02
Weathering removal constant of all vegetation	53	-0.10	55	-0.01	20	-0.35	20	-0.04
Wet foliar interception fraction of leafy vegetables	69	0.02	71	0.00	25	0.31	25	0.03

R-SQUARE 0.99 0.99 0.99 0.99

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

Coefficients for peak 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	76	-0.02	77	-0.02	48	0.14	48	0.04
Kd of Ac-227 in Unsaturated Zone 1	53	-0.13	60	-0.09	7	0.43	7	0.14
Kd of Ac-227 in Saturated Zone	44	0.15	55	0.11	15	-0.35	15	-0.11
Kd of Am-241 in Contaminated Zone	24	0.25	26	0.21	29	-0.22	30	-0.07
Kd of Am-241 in Unsaturated Zone 1	54	0.13	43	0.14	65	-0.05	65	-0.02
Kd of Am-241 in Saturated Zone	40	0.17	30	0.20	40	0.17	40	0.05
Kd of Np-237 in Contaminated Zone	43	-0.15	32	-0.18	26	-0.25	26	-0.08
Kd of Np-237 in Unsaturated Zone 1	4	-0.44	3	-0.68	1	-0.88	1	-0.54
Kd of Np-237 in Saturated Zone	2	-0.52	7	-0.48	4	-0.54	4	-0.19
Kd of Pa-231 in Contaminated Zone	60	-0.10	41	-0.15	54	0.10	54	0.03
Kd of Pa-231 in Unsaturated Zone 1	18	-0.30	5	-0.50	51	-0.12	51	-0.04
Kd of Pa-231 in Saturated Zone	29	-0.21	17	-0.27	25	-0.25	25	-0.08
Kd of Pb-210 in Contaminated Zone	50	-0.14	47	-0.14	68	0.04	68	0.01
Kd of Pb-210 in Unsaturated Zone 1	23	-0.25	24	-0.22	60	0.08	60	0.02
Kd of Pb-210 in Saturated Zone	39	0.17	38	0.15	34	-0.20	34	-0.06
Kd of Pu-239 in Contaminated Zone	27	0.22	28	0.20	58	0.09	59	0.03
Kd of Pu-239 in Unsaturated Zone 1	1	0.57	1	1.57	24	0.26	24	0.08
Kd of Pu-239 in Saturated Zone	77	0.02	76	0.02	21	0.29	21	0.09
Kd of Ra-226 in Contaminated Zone	65	-0.07	67	-0.06	70	-0.03	70	-0.01
Kd of Ra-226 in Unsaturated Zone 1	67	0.07	69	0.05	31	0.21	31	0.06
Kd of Ra-226 in Saturated Zone	20	0.28	23	0.23	27	0.24	27	0.08
Kd of Tc-99 in Saturated Zone	15	-0.33	18	-0.27	52	-0.12	52	-0.04
Kd of Th-229 in Contaminated Zone	63	0.09	53	0.12	69	0.03	69	0.01
Kd of Th-229 in Unsaturated Zone 1	6	-0.43	2	-1.23	19	0.32	19	0.10
Kd of Th-229 in Saturated Zone	9	0.38	4	0.60	36	-0.19	37	-0.06
Kd of Th-230 in Contaminated Zone	74	0.04	70	0.05	13	-0.36	13	-0.12
Kd of Th-230 in Unsaturated Zone 1	52	0.13	50	0.13	63	0.07	62	0.02
Kd of Th-230 in Saturated Zone	68	0.06	71	0.05	77	-0.01	77	0.00
Kd of U-233 in Saturated Zone	69	-0.06	72	-0.04	55	-0.10	55	-0.03
Kd of U-234 in Saturated Zone	45	0.15	31	0.19	30	-0.22	29	-0.07
Kd of U-235 in Saturated Zone	49	-0.14	39	-0.15	28	-0.23	28	-0.07
Kd of U-238 in Saturated Zone	47	-0.15	57	-0.11	8	-0.42	8	-0.14
Plant transfer factor for Ac	35	-0.19	35	-0.16	71	-0.02	71	-0.01
Meat transfer factor for Ac	26	0.24	29	0.20	10	0.39	10	0.13
Milk transfer factor for Ac	21	-0.27	22	-0.23	76	0.01	76	0.00
Fish transfer factor for Ac	7	-0.43	9	-0.44	12	-0.39	12	-0.12
Plant transfer factor for Am	30	-0.21	42	-0.14	37	0.19	38	0.06
Meat transfer factor for Am	28	0.21	34	0.16	74	-0.02	74	0.00
Milk transfer factor for Am	75	0.03	75	0.02	49	0.13	49	0.04
Fish transfer factor for Am	13	0.33	15	0.28	39	0.18	39	0.05
Plant transfer factor for Pb	72	-0.05	65	-0.07	23	-0.28	23	-0.09
Meat transfer factor for Pb	16	-0.32	21	-0.25	20	-0.30	20	-0.09
Milk transfer factor for Pb	34	0.20	36	0.16	62	-0.07	63	-0.02
Fish transfer factor for Pb	56	0.13	27	0.20	9	0.41	9	0.14
Plant transfer factor for Np	3	0.46	8	0.44	2	0.77	2	0.36
Meat transfer factor for Np	62	-0.09	64	-0.07	61	0.08	61	0.02
Milk transfer factor for Np	19	0.29	16	0.27	72	-0.02	72	-0.01
Fish transfer factor for Np	51	-0.14	59	-0.10	73	0.02	73	0.00
Plant transfer factor for Pu	64	-0.08	52	-0.12	33	-0.20	33	-0.06
Meat transfer factor for Pu	8	0.42	11	0.35	43	-0.16	43	-0.05
Milk transfer factor for Pu	73	-0.05	73	-0.04	6	-0.46	6	-0.16
Fish transfer factor for Pu	57	-0.12	56	-0.11	44	0.15	44	0.05
Plant transfer factor for Pa	36	0.18	37	0.15	59	-0.08	58	-0.03
Meat transfer factor for Pa	11	0.37	10	0.42	80	0.00	80	0.00
Milk transfer factor for Pa	31	0.21	33	0.16	56	-0.10	56	-0.03
Fish transfer factor for Pa	10	-0.37	6	-0.50	32	-0.21	32	-0.06
Plant transfer factor for Ra	46	0.15	54	0.11	57	-0.09	57	-0.03
Meat transfer factor for Ra	5	-0.44	13	-0.30	5	-0.53	5	-0.19
Milk transfer factor for Ra	38	-0.18	45	-0.14	22	-0.29	22	-0.09
Fish transfer factor for Ra	12	-0.35	12	-0.31	42	-0.17	42	-0.05
Plant transfer factor for Tc	80	0.00	80	0.00	41	-0.17	41	-0.05
Meat transfer factor for Tc	71	0.05	68	0.05	50	-0.13	50	-0.04
Milk transfer factor for Tc	66	0.07	66	0.06	75	0.01	75	0.00
Fish transfer factor for Tc	79	0.01	79	0.01	14	0.35	14	0.11
Plant transfer factor for Th	55	-0.13	48	-0.13	79	0.00	79	0.00
Meat transfer factor for Th	32	0.21	46	0.14	64	0.06	64	0.02
Milk transfer factor for Th	37	0.18	40	0.15	17	0.34	16	0.11
Fish transfer factor for Th	14	-0.33	14	-0.28	78	0.01	78	0.00
Plant transfer factor for U	58	0.12	62	0.08	47	0.14	47	0.04
Meat transfer factor for U	41	0.16	49	0.13	45	0.15	45	0.05
Milk transfer factor for U	78	0.01	78	0.01	66	-0.05	66	-0.02
Fish transfer factor for U	25	-0.24	19	-0.25	35	-0.20	35	-0.06
Well pumping rate	33	-0.20	44	-0.14	16	-0.34	17	-0.11
Mass loading for inhalation	61	0.10	63	0.08	11	0.39	11	0.13
Indoor dust filtration factor	59	-0.11	61	-0.08	18	-0.34	18	-0.11
Depth of soil mixing layer	48	-0.15	51	-0.12	46	-0.15	46	-0.04
Depth of roots	70	0.06	74	0.04	3	-0.66	3	-0.26
Wet weight crop yield of fruit, grain and non-leafy vegetables	17	0.31	20	0.25	53	-0.10	53	-0.03
Weathering removal constant of all vegetation	42	-0.16	58	-0.10	67	-0.05	67	-0.01
Wet foliar interception fraction of leafy vegetables	22	-0.25	25	-0.21	38	0.19	36	0.06
R-SQUARE		0.76		0.76		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 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	18	0.26	1	0.92	40	-0.16	40	-0.05
Kd of Ac-227 in Unsaturated Zone 1	60	0.09	64	0.08	4	0.45	4	0.17
Kd of Ac-227 in Saturated Zone	74	-0.02	74	-0.02	36	0.17	36	0.06
Kd of Am-241 in Contaminated Zone	8	0.33	15	0.34	35	0.17	35	0.06
Kd of Am-241 in Unsaturated Zone 1	27	0.21	30	0.22	61	-0.06	61	-0.02
Kd of Am-241 in Saturated Zone	36	-0.17	29	-0.22	34	-0.17	34	-0.06
Kd of Np-237 in Contaminated Zone	33	-0.18	12	-0.35	8	-0.34	8	-0.12
Kd of Np-237 in Unsaturated Zone 1	76	-0.01	75	-0.01	1	-0.85	1	-0.54
Kd of Np-237 in Saturated Zone	2	-0.37	14	-0.35	2	-0.72	2	-0.35
Kd of Pa-231 in Contaminated Zone	22	-0.23	16	-0.32	19	-0.26	19	-0.09
Kd of Pa-231 in Unsaturated Zone 1	67	0.04	68	0.04	25	-0.24	25	-0.08
Kd of Pa-231 in Saturated Zone	68	0.04	41	0.15	68	-0.04	67	-0.02
Kd of Pb-210 in Contaminated Zone	40	-0.15	43	-0.14	24	0.24	24	0.08
Kd of Pb-210 in Unsaturated Zone 1	32	-0.20	4	-0.49	78	0.01	78	0.00
Kd of Pb-210 in Saturated Zone	41	-0.15	45	-0.13	31	-0.21	31	-0.07
Kd of Pu-239 in Contaminated Zone	16	-0.27	2	-0.72	33	0.19	33	0.06
Kd of Pu-239 in Unsaturated Zone 1	30	-0.21	39	-0.18	14	-0.29	14	-0.10
Kd of Pu-239 in Saturated Zone	47	-0.13	46	-0.12	79	-0.01	79	0.00
Kd of Ra-226 in Contaminated Zone	71	-0.03	52	-0.11	73	-0.03	73	-0.01
Kd of Ra-226 in Unsaturated Zone 1	51	-0.12	51	-0.11	42	0.14	43	0.05
Kd of Ra-226 in Saturated Zone	11	-0.30	17	-0.32	64	0.05	64	0.02
Kd of Tc-99 in Saturated Zone	45	0.14	47	0.12	28	-0.22	27	-0.08
Kd of Th-229 in Contaminated Zone	54	-0.12	60	-0.09	13	0.29	13	0.10
Kd of Th-229 in Unsaturated Zone 1	64	-0.05	66	-0.06	75	-0.03	75	-0.01
Kd of Th-229 in Saturated Zone	65	-0.05	19	-0.29	32	-0.19	32	-0.07
Kd of Th-230 in Contaminated Zone	19	-0.26	6	-0.46	76	-0.02	76	-0.01
Kd of Th-230 in Unsaturated Zone 1	35	-0.18	36	-0.20	10	-0.30	10	-0.11
Kd of Th-230 in Saturated Zone	63	0.06	67	0.05	74	0.03	74	0.01
Kd of U-233 in Saturated Zone	62	0.07	10	0.37	44	-0.14	45	-0.05
Kd of U-234 in Saturated Zone	29	0.21	31	0.21	30	-0.22	30	-0.08
Kd of U-235 in Saturated Zone	43	0.14	27	0.24	77	0.02	77	0.01
Kd of U-238 in Saturated Zone	61	-0.08	61	-0.09	52	-0.10	52	-0.03
Plant transfer factor for Ac	26	0.22	34	0.21	66	0.05	66	0.02
Meat transfer factor for Ac	38	-0.16	44	-0.13	23	-0.25	22	-0.09
Milk transfer factor for Ac	79	0.01	78	0.01	67	0.05	68	0.01
Fish transfer factor for Ac	34	0.18	33	0.21	21	0.25	21	0.09
Plant transfer factor for Am	69	-0.03	73	-0.02	59	-0.08	59	-0.03
Meat transfer factor for Am	20	-0.24	24	-0.25	18	0.26	18	0.09
Milk transfer factor for Am	73	-0.03	72	-0.02	15	-0.29	15	-0.10
Fish transfer factor for Am	15	-0.27	21	-0.27	22	0.25	23	0.08
Plant transfer factor for Pb	42	0.14	40	0.15	51	0.11	51	0.04
Meat transfer factor for Pb	31	0.20	35	0.21	50	0.11	50	0.04
Milk transfer factor for Pb	12	-0.28	18	-0.31	16	-0.26	16	-0.09
Fish transfer factor for Pb	7	-0.34	22	-0.27	39	0.16	39	0.05
Plant transfer factor for Np	4	-0.37	9	-0.39	3	0.60	3	0.25
Meat transfer factor for Np	80	-0.01	80	0.00	70	0.04	70	0.01
Milk transfer factor for Np	66	-0.05	69	-0.04	43	0.14	42	0.05
Fish transfer factor for Np	49	0.13	56	0.10	12	0.30	12	0.11
Plant transfer factor for Pu	39	-0.16	50	-0.12	17	-0.26	17	-0.09
Meat transfer factor for Pu	48	0.13	57	0.10	58	0.08	58	0.03
Milk transfer factor for Pu	37	0.17	42	0.15	26	0.24	26	0.08
Fish transfer factor for Pu	58	0.10	59	0.09	54	-0.10	54	-0.03
Plant transfer factor for Pa	55	0.11	53	0.11	55	-0.09	55	-0.03
Meat transfer factor for Pa	3	-0.37	7	-0.46	6	-0.39	6	-0.14
Milk transfer factor for Pa	17	0.27	28	0.24	29	-0.22	29	-0.08
Fish transfer factor for Pa	1	0.40	3	0.57	60	0.07	60	0.02
Plant transfer factor for Ra	5	0.37	13	0.35	65	-0.05	65	-0.02
Meat transfer factor for Ra	28	0.21	38	0.18	41	-0.14	41	-0.05
Milk transfer factor for Ra	70	-0.03	70	-0.03	57	-0.08	56	-0.03
Fish transfer factor for Ra	52	0.12	58	0.09	63	0.06	63	0.02
Plant transfer factor for Tc	50	-0.12	55	-0.11	9	0.31	9	0.11
Meat transfer factor for Tc	78	0.01	79	0.01	49	0.12	49	0.04
Milk transfer factor for Tc	44	-0.14	54	-0.11	5	0.45	5	0.17
Fish transfer factor for Tc	75	-0.01	76	-0.01	72	0.03	72	0.01
Plant transfer factor for Th	6	0.36	8	0.45	62	0.06	62	0.02
Meat transfer factor for Th	13	-0.27	26	-0.24	47	0.14	46	0.05
Milk transfer factor for Th	77	-0.01	77	-0.01	11	0.30	11	0.11
Fish transfer factor for Th	21	0.24	5	0.48	7	0.35	7	0.13
Plant transfer factor for U	56	-0.10	63	-0.08	38	0.16	38	0.06
Meat transfer factor for U	9	0.33	11	0.35	56	0.08	57	0.03
Milk transfer factor for U	25	0.23	20	0.28	48	0.13	48	0.04
Fish transfer factor for U	57	-0.10	62	-0.08	80	-0.01	80	0.00
Well pumping rate	53	-0.12	49	-0.12	45	-0.14	44	-0.05
Mass loading for inhalation	14	0.27	25	0.24	27	0.22	28	0.08
Indoor dust filtration factor	24	-0.23	37	-0.20	71	0.04	71	0.01
Depth of soil mixing layer	46	0.13	48	0.12	37	-0.17	37	-0.06
Depth of roots	23	-0.23	32	-0.21	20	-0.25	20	-0.09
Wet weight crop yield of fruit, grain and non-leafy vegetables	59	0.09	65	0.08	69	-0.04	69	-0.01
Weathering removal constant of all vegetation	10	-0.31	23	-0.26	46	-0.14	47	-0.05
Wet foliar interception fraction of leafy vegetables	72	-0.03	71	-0.03	53	-0.10	53	-0.03
R-SQUARE		0.73		0.73		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 Np-237 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	6	0.31	8	0.26	6	-0.43	6	-0.14
Kd of Ac-227 in Unsaturated Zone 1	32	0.15	16	0.20	39	-0.16	38	-0.05
Kd of Ac-227 in Saturated Zone	14	-0.20	13	-0.22	70	0.04	70	0.01
Kd of Am-241 in Contaminated Zone	3	0.38	1	0.64	37	0.16	37	0.05
Kd of Am-241 in Unsaturated Zone 1	73	-0.02	74	-0.01	42	0.14	44	0.04
Kd of Am-241 in Saturated Zone	31	-0.15	4	-0.29	36	0.16	36	0.05
Kd of Np-237 in Contaminated Zone	9	-0.24	5	-0.28	3	-0.66	3	-0.26
Kd of Np-237 in Unsaturated Zone 1	45	0.10	47	0.08	1	-0.89	1	-0.60
Kd of Np-237 in Saturated Zone	16	-0.19	10	-0.24	2	-0.76	2	-0.35
Kd of Pa-231 in Contaminated Zone	74	-0.01	71	-0.02	30	-0.22	31	-0.07
Kd of Pa-231 in Unsaturated Zone 1	53	-0.07	52	-0.06	68	0.05	68	0.01
Kd of Pa-231 in Saturated Zone	30	-0.15	22	-0.16	58	0.08	58	0.02
Kd of Pb-210 in Contaminated Zone	61	0.04	45	0.08	19	0.26	19	0.08
Kd of Pb-210 in Unsaturated Zone 1	76	0.01	75	0.01	32	-0.19	32	-0.06
Kd of Pb-210 in Saturated Zone	17	0.18	25	0.14	15	-0.29	15	-0.09
Kd of Pu-239 in Contaminated Zone	42	0.11	42	0.09	60	0.07	60	0.02
Kd of Pu-239 in Unsaturated Zone 1	36	-0.14	38	-0.11	17	0.27	17	0.08
Kd of Pu-239 in Saturated Zone	80	0.00	80	0.00	9	-0.36	9	-0.12
Kd of Ra-226 in Contaminated Zone	24	-0.17	37	-0.11	22	-0.26	22	-0.08
Kd of Ra-226 in Unsaturated Zone 1	11	-0.23	23	-0.16	76	-0.02	76	-0.01
Kd of Ra-226 in Saturated Zone	12	0.22	6	0.27	61	-0.07	61	-0.02
Kd of Tc-99 in Saturated Zone	25	-0.16	27	-0.13	67	0.05	67	0.01
Kd of Th-229 in Contaminated Zone	54	0.06	58	0.05	59	0.07	59	0.02
Kd of Th-229 in Unsaturated Zone 1	65	0.04	62	0.04	48	-0.13	48	-0.04
Kd of Th-229 in Saturated Zone	79	0.00	76	0.01	74	-0.04	74	-0.01
Kd of Th-230 in Contaminated Zone	2	-0.39	3	-0.31	75	0.03	75	0.01
Kd of Th-230 in Unsaturated Zone 1	69	0.03	67	0.03	14	0.29	14	0.09
Kd of Th-230 in Saturated Zone	38	0.13	41	0.09	41	-0.15	41	-0.05
Kd of U-233 in Saturated Zone	47	0.09	46	0.08	72	-0.04	72	-0.01
Kd of U-234 in Saturated Zone	19	-0.18	26	-0.14	77	-0.02	77	-0.01
Kd of U-235 in Saturated Zone	43	0.11	11	0.22	55	0.09	55	0.03
Kd of U-238 in Saturated Zone	72	-0.02	36	-0.11	73	-0.04	73	-0.01
Plant transfer factor for Ac	60	-0.04	63	-0.04	10	-0.35	10	-0.11
Meat transfer factor for Ac	52	0.07	50	0.07	52	-0.12	52	-0.03
Milk transfer factor for Ac	35	-0.14	31	-0.12	18	0.27	18	0.08
Fish transfer factor for Ac	56	-0.06	53	-0.06	23	-0.25	23	-0.08
Plant transfer factor for Am	64	0.04	69	0.03	25	-0.25	25	-0.08
Meat transfer factor for Am	70	-0.03	72	-0.02	69	0.04	69	0.01
Milk transfer factor for Am	58	0.06	60	0.04	38	0.16	39	0.05
Fish transfer factor for Am	49	-0.07	51	-0.07	11	-0.34	11	-0.11
Plant transfer factor for Pb	68	0.03	68	0.03	43	0.14	43	0.04
Meat transfer factor for Pb	1	0.43	2	0.43	20	0.26	21	0.08
Milk transfer factor for Pb	59	0.06	64	0.04	80	0.00	80	0.00
Fish transfer factor for Pb	44	0.10	49	0.07	8	0.39	8	0.13
Plant transfer factor for Np	23	0.17	20	0.17	4	0.65	4	0.26
Meat transfer factor for Np	55	0.06	59	0.05	13	0.29	13	0.09
Milk transfer factor for Np	75	-0.01	77	-0.01	29	-0.23	29	-0.07
Fish transfer factor for Np	48	-0.08	54	-0.05	21	-0.26	20	-0.08
Plant transfer factor for Pu	67	0.03	73	0.02	65	0.06	65	0.02
Meat transfer factor for Pu	46	0.10	48	0.07	50	-0.12	49	-0.04
Milk transfer factor for Pu	63	-0.04	66	-0.03	45	-0.14	45	-0.04
Fish transfer factor for Pu	18	-0.18	24	-0.16	33	0.18	33	0.06
Plant transfer factor for Pa	78	0.00	79	0.00	40	0.15	40	0.05
Meat transfer factor for Pa	28	0.16	17	0.19	63	0.06	63	0.02
Milk transfer factor for Pa	51	-0.07	55	-0.05	26	-0.25	26	-0.08
Fish transfer factor for Pa	40	-0.12	44	-0.08	49	-0.12	50	-0.04
Plant transfer factor for Ra	4	0.35	7	0.27	5	0.61	5	0.23
Meat transfer factor for Ra	77	0.00	78	0.00	54	-0.09	54	-0.03
Milk transfer factor for Ra	21	0.18	32	0.11	53	-0.09	53	-0.03
Fish transfer factor for Ra	39	-0.13	18	-0.18	57	-0.08	56	-0.02
Plant transfer factor for Tc	26	-0.16	34	-0.11	24	0.25	24	0.08
Meat transfer factor for Tc	66	0.03	70	0.03	35	0.17	35	0.05
Milk transfer factor for Tc	7	-0.28	14	-0.21	12	-0.33	12	-0.11
Fish transfer factor for Tc	10	-0.23	19	-0.17	62	0.07	62	0.02
Plant transfer factor for Th	57	0.06	57	0.05	51	0.12	51	0.04
Meat transfer factor for Th	15	-0.20	12	-0.22	34	-0.17	34	-0.05
Milk transfer factor for Th	20	-0.18	30	-0.12	78	-0.01	78	0.00
Fish transfer factor for Th	71	0.03	61	0.04	47	-0.13	47	-0.04
Plant transfer factor for U	29	0.15	33	0.11	79	-0.01	79	0.00
Meat transfer factor for U	13	-0.21	21	-0.17	44	-0.14	42	-0.04
Milk transfer factor for U	5	0.33	9	0.26	64	0.06	64	0.02
Fish transfer factor for U	22	-0.18	28	-0.13	56	0.08	57	0.02
Well pumping rate	62	-0.04	65	-0.03	27	-0.24	27	-0.07
Mass loading for inhalation	33	-0.14	29	-0.12	31	-0.22	30	-0.07
Indoor dust filtration factor	8	0.25	15	0.21	66	0.05	66	0.02
Depth of soil mixing layer	27	-0.16	35	-0.11	7	-0.40	7	-0.13
Depth of roots	34	0.14	40	0.10	71	-0.04	71	-0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	41	-0.12	43	-0.09	28	0.23	28	0.07
Weathering removal constant of all vegetation	50	0.07	56	0.05	16	0.29	16	0.09
Wet foliar interception fraction of leafy vegetables	37	0.13	39	0.10	46	-0.13	46	-0.04

R-SQUARE 0.80 0.80 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 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	4	0.46	7	0.11	22	-0.29	22	-0.03
Kd of Ac-227 in Unsaturated Zone 1	45	0.13	53	0.02	32	0.24	32	0.02
Kd of Ac-227 in Saturated Zone	55	0.11	61	0.02	21	-0.30	21	-0.03
Kd of Am-241 in Contaminated Zone	52	-0.11	52	-0.02	72	0.04	72	0.00
Kd of Am-241 in Unsaturated Zone 1	15	-0.28	14	-0.08	18	0.31	18	0.03
Kd of Am-241 in Saturated Zone	70	-0.06	64	-0.02	26	-0.26	26	-0.02
Kd of Np-237 in Contaminated Zone	67	0.07	60	0.02	15	-0.33	15	-0.03
Kd of Np-237 in Unsaturated Zone 1	22	0.23	10	0.09	59	-0.10	59	-0.01
Kd of Np-237 in Saturated Zone	51	-0.12	51	-0.03	29	-0.25	29	-0.02
Kd of Pa-231 in Contaminated Zone	29	0.20	15	0.07	41	0.19	41	0.02
Kd of Pa-231 in Unsaturated Zone 1	27	0.20	12	0.09	60	-0.10	60	-0.01
Kd of Pa-231 in Saturated Zone	47	0.13	35	0.04	19	-0.30	19	-0.03
Kd of Pb-210 in Contaminated Zone	74	0.04	73	0.01	50	-0.13	50	-0.01
Kd of Pb-210 in Unsaturated Zone 1	76	0.03	76	0.01	77	-0.02	77	0.00
Kd of Pb-210 in Saturated Zone	71	-0.05	69	-0.01	67	0.07	67	0.01
Kd of Pu-239 in Contaminated Zone	26	0.21	27	0.05	7	0.39	7	0.04
Kd of Pu-239 in Unsaturated Zone 1	56	0.11	20	0.06	63	-0.08	63	-0.01
Kd of Pu-239 in Saturated Zone	42	-0.15	38	-0.04	52	0.12	52	0.01
Kd of Ra-226 in Contaminated Zone	63	-0.08	67	-0.02	70	-0.04	70	0.00
Kd of Ra-226 in Unsaturated Zone 1	53	0.11	57	0.02	45	-0.15	45	-0.01
Kd of Ra-226 in Saturated Zone	21	-0.24	26	-0.05	62	0.09	62	0.01
Kd of Tc-99 in Saturated Zone	14	0.28	23	0.06	48	0.14	46	0.01
Kd of Th-229 in Contaminated Zone	7	-0.36	3	-0.13	42	0.18	42	0.02
Kd of Th-229 in Unsaturated Zone 1	60	-0.09	22	-0.06	37	0.21	37	0.02
Kd of Th-229 in Saturated Zone	34	-0.17	17	-0.07	79	-0.01	79	0.00
Kd of Th-230 in Contaminated Zone	80	0.00	80	0.00	12	-0.35	12	-0.03
Kd of Th-230 in Unsaturated Zone 1	6	0.38	9	0.10	3	-0.47	3	-0.05
Kd of Th-230 in Saturated Zone	3	0.51	4	0.12	46	-0.14	49	-0.01
Kd of U-233 in Saturated Zone	62	0.08	66	0.02	34	-0.23	33	-0.02
Kd of U-234 in Saturated Zone	12	-0.31	8	-0.10	43	-0.17	43	-0.02
Kd of U-235 in Saturated Zone	13	0.30	11	0.09	44	-0.16	44	-0.01
Kd of U-238 in Saturated Zone	49	0.13	54	0.02	27	-0.25	27	-0.02
Plant transfer factor for Ac	18	0.27	24	0.06	4	0.45	4	0.04
Meat transfer factor for Ac	23	-0.22	28	-0.05	31	0.24	31	0.02
Milk transfer factor for Ac	36	0.17	39	0.04	10	-0.36	10	-0.03
Fish transfer factor for Ac	17	-0.27	18	-0.07	23	-0.29	23	-0.03
Plant transfer factor for Am	19	0.26	30	0.05	30	0.25	30	0.02
Meat transfer factor for Am	10	-0.33	19	-0.07	39	0.20	40	0.02
Milk transfer factor for Am	38	0.17	36	0.04	11	0.35	11	0.03
Fish transfer factor for Am	30	-0.18	40	-0.04	54	-0.11	54	-0.01
Plant transfer factor for Pb	11	-0.31	6	-0.11	71	0.04	71	0.00
Meat transfer factor for Pb	73	-0.05	74	-0.01	73	-0.04	73	0.00
Milk transfer factor for Pb	40	0.15	47	0.03	14	0.33	14	0.03
Fish transfer factor for Pb	57	-0.11	31	-0.04	35	0.22	35	0.02
Plant transfer factor for Np	31	-0.18	37	-0.04	78	0.01	78	0.00
Meat transfer factor for Np	54	0.11	58	0.02	47	-0.14	47	-0.01
Milk transfer factor for Np	8	-0.35	13	-0.09	9	0.37	9	0.03
Fish transfer factor for Np	28	-0.20	42	-0.04	64	-0.07	64	-0.01
Plant transfer factor for Pu	1	0.94	1	1.05	1	1.00	1	0.91
Meat transfer factor for Pu	79	-0.01	79	0.00	40	0.20	39	0.02
Milk transfer factor for Pu	61	-0.09	62	-0.02	74	0.03	74	0.00
Fish transfer factor for Pu	59	0.10	55	0.02	58	0.10	58	0.01
Plant transfer factor for Pa	46	-0.13	48	-0.03	66	-0.07	65	-0.01
Meat transfer factor for Pa	35	0.17	29	0.05	25	0.28	24	0.03
Milk transfer factor for Pa	9	-0.34	16	-0.07	13	0.34	13	0.03
Fish transfer factor for Pa	43	0.14	32	0.04	80	0.01	80	0.00
Plant transfer factor for Ra	24	-0.22	33	-0.04	51	-0.12	51	-0.01
Meat transfer factor for Ra	65	-0.07	71	-0.01	49	-0.14	48	-0.01
Milk transfer factor for Ra	25	0.22	34	0.04	24	-0.28	25	-0.02
Fish transfer factor for Ra	20	0.26	25	0.06	17	-0.32	17	-0.03
Plant transfer factor for Tc	75	0.04	72	0.01	33	0.23	34	0.02
Meat transfer factor for Tc	5	0.38	5	0.12	57	-0.11	56	-0.01
Milk transfer factor for Tc	77	-0.02	77	0.00	53	-0.12	53	-0.01
Fish transfer factor for Tc	69	0.07	70	0.01	68	0.06	68	0.01
Plant transfer factor for Th	66	0.07	63	0.02	76	-0.02	76	0.00
Meat transfer factor for Th	72	0.05	75	0.01	16	-0.32	16	-0.03
Milk transfer factor for Th	16	0.27	21	0.06	36	-0.21	36	-0.02
Fish transfer factor for Th	39	0.16	44	0.03	6	0.39	6	0.04
Plant transfer factor for U	48	-0.13	56	-0.02	55	0.11	55	0.01
Meat transfer factor for U	44	0.13	49	0.03	61	-0.10	61	-0.01
Milk transfer factor for U	37	0.17	41	0.04	65	-0.07	66	-0.01
Fish transfer factor for U	68	-0.07	65	-0.02	56	0.11	57	0.01
Well pumping rate	64	-0.08	68	-0.01	75	0.03	75	0.00
Mass loading for inhalation	50	0.12	50	0.03	5	0.44	5	0.04
Indoor dust filtration factor	78	0.01	78	0.00	8	0.37	8	0.03
Depth of soil mixing layer	41	0.15	45	0.03	28	-0.25	28	-0.02
Depth of roots	2	-0.80	2	-0.22	2	-0.97	2	-0.34
Wet weight crop yield of fruit, grain and non-leafy vegetables	33	-0.18	43	-0.04	69	0.06	69	0.00
Weathering removal constant of all vegetation	32	0.18	46	0.03	20	0.30	20	0.03
Wet foliar interception fraction of leafy vegetables	58	0.10	59	0.02	38	0.21	38	0.02
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 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	68	0.05	39	0.16	51	-0.10	51	-0.01
Kd of Ac-227 in Unsaturated Zone 1	44	0.14	49	0.12	23	0.24	23	0.03
Kd of Ac-227 in Saturated Zone	34	-0.19	44	-0.14	48	-0.12	48	-0.01
Kd of Am-241 in Contaminated Zone	52	-0.10	57	-0.09	47	-0.12	47	-0.01
Kd of Am-241 in Unsaturated Zone 1	7	0.33	11	0.34	58	0.07	58	0.01
Kd of Am-241 in Saturated Zone	22	-0.24	16	-0.30	25	-0.21	25	-0.02
Kd of Np-237 in Contaminated Zone	13	-0.30	4	-0.56	14	-0.32	14	-0.04
Kd of Np-237 in Unsaturated Zone 1	51	0.11	54	0.10	10	-0.35	10	-0.04
Kd of Np-237 in Saturated Zone	33	-0.19	40	-0.16	31	-0.19	31	-0.02
Kd of Pa-231 in Contaminated Zone	21	-0.25	14	-0.32	15	0.29	15	0.03
Kd of Pa-231 in Unsaturated Zone 1	35	-0.19	34	-0.18	8	0.42	8	0.05
Kd of Pa-231 in Saturated Zone	62	-0.07	26	-0.23	6	-0.46	6	-0.06
Kd of Pb-210 in Contaminated Zone	73	-0.04	74	-0.03	63	-0.06	63	-0.01
Kd of Pb-210 in Unsaturated Zone 1	77	-0.01	75	-0.02	35	-0.17	36	-0.02
Kd of Pb-210 in Saturated Zone	55	-0.09	60	-0.07	34	0.18	34	0.02
Kd of Pu-239 in Contaminated Zone	49	-0.12	19	-0.28	4	0.55	4	0.07
Kd of Pu-239 in Unsaturated Zone 1	76	-0.01	77	-0.01	37	-0.17	37	-0.02
Kd of Pu-239 in Saturated Zone	8	-0.32	18	-0.29	66	-0.05	66	-0.01
Kd of Ra-226 in Contaminated Zone	70	0.05	41	0.16	11	0.32	13	0.04
Kd of Ra-226 in Unsaturated Zone 1	80	0.00	80	0.00	46	0.12	46	0.01
Kd of Ra-226 in Saturated Zone	63	-0.07	63	-0.06	64	-0.06	64	-0.01
Kd of Tc-99 in Saturated Zone	61	0.07	64	0.06	38	-0.16	38	-0.02
Kd of Th-229 in Contaminated Zone	79	0.00	79	0.00	5	-0.51	5	-0.07
Kd of Th-229 in Unsaturated Zone 1	74	-0.03	73	-0.03	77	0.01	77	0.00
Kd of Th-229 in Saturated Zone	60	-0.08	7	-0.40	69	0.04	69	0.00
Kd of Th-230 in Contaminated Zone	32	0.20	13	0.33	50	-0.10	50	-0.01
Kd of Th-230 in Unsaturated Zone 1	27	-0.22	25	-0.25	49	-0.11	49	-0.01
Kd of Th-230 in Saturated Zone	64	0.07	68	0.05	40	0.16	40	0.02
Kd of U-233 in Saturated Zone	47	0.13	1	0.67	21	-0.25	21	-0.03
Kd of U-234 in Saturated Zone	42	0.15	43	0.15	67	-0.04	67	0.00
Kd of U-235 in Saturated Zone	30	0.21	8	0.34	32	-0.19	32	-0.02
Kd of U-238 in Saturated Zone	29	0.21	32	0.21	27	-0.21	27	-0.02
Plant transfer factor for Ac	17	0.29	23	0.25	28	0.21	28	0.02
Meat transfer factor for Ac	67	0.05	72	0.04	61	0.06	61	0.01
Milk transfer factor for Ac	65	0.06	65	0.06	19	-0.26	19	-0.03
Fish transfer factor for Ac	36	-0.18	33	-0.20	45	-0.12	45	-0.01
Plant transfer factor for Am	39	-0.16	50	-0.11	53	-0.10	53	-0.01
Meat transfer factor for Am	69	-0.05	69	-0.04	22	0.24	22	0.03
Milk transfer factor for Am	45	-0.13	52	-0.11	39	-0.16	39	-0.02
Fish transfer factor for Am	56	0.08	59	0.08	43	0.14	44	0.02
Plant transfer factor for Pb	16	0.29	17	0.30	29	0.20	29	0.02
Meat transfer factor for Pb	48	-0.12	51	-0.11	9	-0.37	9	-0.04
Milk transfer factor for Pb	53	-0.09	55	-0.10	44	-0.14	42	-0.02
Fish transfer factor for Pb	50	0.11	58	0.08	13	-0.32	11	-0.04
Plant transfer factor for Np	78	0.01	78	0.01	52	-0.10	52	-0.01
Meat transfer factor for Np	26	-0.22	42	-0.16	75	0.02	75	0.00
Milk transfer factor for Np	3	-0.41	10	-0.34	60	-0.07	60	-0.01
Fish transfer factor for Np	75	-0.03	76	-0.02	20	0.26	20	0.03
Plant transfer factor for Pu	1	0.68	2	0.64	1	0.99	1	0.92
Meat transfer factor for Pu	15	0.29	29	0.22	3	0.57	3	0.08
Milk transfer factor for Pu	57	0.08	62	0.07	78	0.01	78	0.00
Fish transfer factor for Pu	6	0.33	15	0.31	7	0.43	7	0.05
Plant transfer factor for Pa	25	0.23	28	0.22	33	-0.18	33	-0.02
Meat transfer factor for Pa	14	-0.30	12	-0.33	30	-0.20	30	-0.02
Milk transfer factor for Pa	46	-0.13	53	-0.11	65	0.05	65	0.01
Fish transfer factor for Pa	4	0.34	5	0.44	74	0.02	74	0.00
Plant transfer factor for Ra	58	0.08	61	0.07	18	-0.27	18	-0.03
Meat transfer factor for Ra	41	-0.15	47	-0.12	56	-0.08	56	-0.01
Milk transfer factor for Ra	54	0.09	56	0.09	16	-0.28	16	-0.03
Fish transfer factor for Ra	24	-0.24	36	-0.18	42	0.14	43	0.02
Plant transfer factor for Tc	31	-0.21	38	-0.17	80	0.00	80	0.00
Meat transfer factor for Tc	59	0.08	66	0.05	12	0.32	12	0.04
Milk transfer factor for Tc	66	0.06	70	0.04	55	0.09	55	0.01
Fish transfer factor for Tc	18	-0.27	27	-0.22	59	-0.07	59	-0.01
Plant transfer factor for Th	38	0.16	35	0.18	68	-0.04	70	0.00
Meat transfer factor for Th	40	0.16	46	0.13	26	0.21	26	0.02
Milk transfer factor for Th	71	-0.05	71	-0.04	57	0.08	57	0.01
Fish transfer factor for Th	12	-0.31	3	-0.59	36	0.17	35	0.02
Plant transfer factor for U	11	-0.31	24	-0.25	79	-0.01	79	0.00
Meat transfer factor for U	5	0.34	9	0.34	41	-0.14	41	-0.02
Milk transfer factor for U	72	-0.04	67	-0.05	71	-0.03	71	0.00
Fish transfer factor for U	43	0.15	48	0.12	73	-0.02	73	0.00
Well pumping rate	19	-0.27	22	-0.25	17	0.28	17	0.03
Mass loading for inhalation	20	0.26	30	0.22	24	0.22	24	0.03
Indoor dust filtration factor	9	-0.32	21	-0.26	70	0.04	68	0.00
Depth of soil mixing layer	2	-0.44	6	-0.41	72	0.03	72	0.00
Depth of roots	10	-0.31	20	-0.28	2	-0.95	2	-0.34
Wet weight crop yield of fruit, grain and non-leafy vegetables	28	0.22	37	0.17	54	0.10	54	0.01
Weathering removal constant of all vegetation	37	-0.17	45	-0.13	62	-0.06	62	-0.01
Wet foliar interception fraction of leafy vegetables	23	-0.24	31	-0.21	76	-0.02	76	0.00
R-SQUARE		0.76		0.76		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 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	21	-0.20	27	-0.05	17	0.30	17	0.03
Kd of Ac-227 in Unsaturated Zone 1	35	-0.14	20	-0.06	61	-0.10	62	-0.01
Kd of Ac-227 in Saturated Zone	11	0.31	10	0.11	70	-0.06	70	-0.01
Kd of Am-241 in Contaminated Zone	6	-0.34	3	-0.19	7	0.40	8	0.04
Kd of Am-241 in Unsaturated Zone 1	62	0.06	65	0.01	36	-0.20	36	-0.02
Kd of Am-241 in Saturated Zone	23	-0.18	7	-0.12	21	-0.28	21	-0.02
Kd of Np-237 in Contaminated Zone	77	0.00	76	0.00	32	-0.22	32	-0.02
Kd of Np-237 in Unsaturated Zone 1	53	-0.08	56	-0.02	31	-0.22	31	-0.02
Kd of Np-237 in Saturated Zone	64	0.05	57	0.02	71	0.06	71	0.00
Kd of Pa-231 in Contaminated Zone	24	-0.18	15	-0.09	76	0.02	76	0.00
Kd of Pa-231 in Unsaturated Zone 1	9	0.32	11	0.10	47	-0.16	47	-0.01
Kd of Pa-231 in Saturated Zone	70	-0.02	69	-0.01	22	0.28	22	0.02
Kd of Pb-210 in Contaminated Zone	28	0.17	9	0.11	39	-0.18	39	-0.02
Kd of Pb-210 in Unsaturated Zone 1	13	-0.27	4	-0.18	72	-0.05	72	0.00
Kd of Pb-210 in Saturated Zone	43	0.12	44	0.03	42	-0.17	42	-0.01
Kd of Pu-239 in Contaminated Zone	34	0.14	40	0.04	3	0.73	3	0.09
Kd of Pu-239 in Unsaturated Zone 1	16	-0.22	23	-0.06	78	-0.02	78	0.00
Kd of Pu-239 in Saturated Zone	58	-0.08	64	-0.02	46	0.16	45	0.01
Kd of Ra-226 in Contaminated Zone	42	-0.13	49	-0.03	12	0.33	13	0.03
Kd of Ra-226 in Unsaturated Zone 1	25	0.18	37	0.04	9	-0.39	9	-0.04
Kd of Ra-226 in Saturated Zone	80	0.00	80	0.00	14	-0.33	14	-0.03
Kd of Tc-99 in Saturated Zone	50	0.09	53	0.02	11	-0.35	11	-0.03
Kd of Th-229 in Contaminated Zone	52	0.08	54	0.02	5	0.41	5	0.04
Kd of Th-229 in Unsaturated Zone 1	19	-0.21	16	-0.08	60	0.10	60	0.01
Kd of Th-229 in Saturated Zone	74	-0.02	51	-0.02	33	-0.20	33	-0.02
Kd of Th-230 in Contaminated Zone	72	-0.02	73	0.00	54	0.14	55	0.01
Kd of Th-230 in Unsaturated Zone 1	59	0.07	52	0.02	38	-0.18	38	-0.02
Kd of Th-230 in Saturated Zone	14	-0.24	26	-0.05	44	0.17	44	0.01
Kd of U-233 in Saturated Zone	37	0.14	35	0.04	50	-0.15	51	-0.01
Kd of U-234 in Saturated Zone	65	0.05	66	0.01	13	0.33	12	0.03
Kd of U-235 in Saturated Zone	47	0.10	19	0.07	77	0.02	77	0.00
Kd of U-238 in Saturated Zone	63	0.06	13	0.10	63	-0.09	63	-0.01
Plant transfer factor for Ac	3	0.41	6	0.13	43	0.17	43	0.01
Meat transfer factor for Ac	40	-0.13	33	-0.04	20	0.29	20	0.03
Milk transfer factor for Ac	4	0.41	8	0.12	53	0.14	53	0.01
Fish transfer factor for Ac	29	0.17	24	0.06	51	0.15	50	0.01
Plant transfer factor for Am	67	0.03	70	0.01	67	-0.07	67	-0.01
Meat transfer factor for Am	60	0.07	63	0.02	19	-0.29	19	-0.03
Milk transfer factor for Am	45	-0.12	47	-0.03	68	-0.07	68	-0.01
Fish transfer factor for Am	7	0.32	12	0.10	57	-0.12	57	-0.01
Plant transfer factor for Pb	68	0.03	68	0.01	58	0.12	58	0.01
Meat transfer factor for Pb	27	0.18	28	0.05	27	0.25	26	0.02
Milk transfer factor for Pb	44	0.12	50	0.03	69	0.06	69	0.01
Fish transfer factor for Pb	66	-0.04	67	-0.01	66	0.07	66	0.01
Plant transfer factor for Np	49	-0.10	42	-0.03	75	0.02	75	0.00
Meat transfer factor for Np	5	-0.37	14	-0.10	30	0.23	30	0.02
Milk transfer factor for Np	41	0.13	45	0.03	52	0.15	52	0.01
Fish transfer factor for Np	22	-0.19	34	-0.04	23	0.27	23	0.02
Plant transfer factor for Pu	1	0.97	1	0.83	1	1.00	1	0.88
Meat transfer factor for Pu	76	0.00	78	0.00	10	0.38	10	0.04
Milk transfer factor for Pu	73	-0.02	74	0.00	80	0.01	80	0.00
Fish transfer factor for Pu	75	0.01	75	0.00	74	0.03	74	0.00
Plant transfer factor for Pa	39	0.13	30	0.05	64	0.09	64	0.01
Meat transfer factor for Pa	32	-0.16	21	-0.06	16	-0.30	16	-0.03
Milk transfer factor for Pa	56	0.08	58	0.02	45	-0.16	46	-0.01
Fish transfer factor for Pa	30	-0.17	39	-0.04	40	-0.17	40	-0.01
Plant transfer factor for Ra	54	-0.08	61	-0.02	28	-0.25	28	-0.02
Meat transfer factor for Ra	17	-0.21	22	-0.06	25	-0.26	25	-0.02
Milk transfer factor for Ra	79	0.00	79	0.00	35	-0.20	35	-0.02
Fish transfer factor for Ra	48	-0.10	32	-0.05	56	0.13	56	0.01
Plant transfer factor for Tc	15	0.23	25	0.05	26	0.25	27	0.02
Meat transfer factor for Tc	20	0.21	29	0.05	48	-0.16	48	-0.01
Milk transfer factor for Tc	12	0.29	18	0.07	55	-0.13	54	-0.01
Fish transfer factor for Tc	57	-0.08	62	-0.02	24	0.26	24	0.02
Plant transfer factor for Th	38	-0.14	41	-0.04	59	-0.11	59	-0.01
Meat transfer factor for Th	78	0.00	77	0.00	49	-0.15	49	-0.01
Milk transfer factor for Th	33	-0.15	46	-0.03	73	0.05	73	0.00
Fish transfer factor for Th	10	0.31	5	0.17	15	0.31	15	0.03
Plant transfer factor for U	69	-0.03	71	-0.01	8	-0.39	7	-0.04
Meat transfer factor for U	71	-0.02	72	-0.01	34	0.20	34	0.02
Milk transfer factor for U	51	-0.09	55	-0.02	18	-0.30	18	-0.03
Fish transfer factor for U	18	-0.21	31	-0.05	79	-0.01	79	0.00
Well pumping rate	55	0.08	60	0.02	29	-0.23	29	-0.02
Mass loading for inhalation	61	0.07	59	0.02	37	-0.19	37	-0.02
Indoor dust filtration factor	46	0.11	48	0.03	62	0.10	61	0.01
Depth of soil mixing layer	36	-0.14	43	-0.03	6	-0.40	6	-0.04
Depth of roots	2	-0.75	2	-0.26	2	-0.98	2	-0.39
Wet weight crop yield of fruit, grain and non-leafy vegetables	26	-0.18	36	-0.04	4	0.52	4	0.05
Weathering removal constant of all vegetation	8	-0.32	17	-0.08	65	-0.08	65	-0.01
Wet foliar interception fraction of leafy vegetables	31	0.17	38	0.04	41	0.17	41	0.01

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 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	20	0.41	28	0.06	32	-0.21	32	-0.02	
Kd of Ac-227 in Unsaturated Zone 1	44	-0.25	49	-0.03	25	-0.25	25	-0.02	
Kd of Ac-227 in Saturated Zone	8	0.49	25	0.06	60	-0.08	60	-0.01	
Kd of Am-241 in Contaminated Zone	41	-0.26	47	-0.04	48	-0.12	49	-0.01	
Kd of Am-241 in Unsaturated Zone 1	26	-0.36	22	-0.07	41	-0.15	41	-0.01	
Kd of Am-241 in Saturated Zone	14	0.45	9	0.09	12	-0.34	12	-0.03	
Kd of Np-237 in Contaminated Zone	10	-0.48	7	-0.10	49	-0.12	48	-0.01	
Kd of Np-237 in Unsaturated Zone 1	67	-0.08	59	-0.02	71	0.02	71	0.00	
Kd of Np-237 in Saturated Zone	70	-0.06	71	-0.01	39	0.17	39	0.01	
Kd of Pa-231 in Contaminated Zone	48	0.23	33	0.05	79	-0.01	79	0.00	
Kd of Pa-231 in Unsaturated Zone 1	28	0.32	11	0.09	43	0.14	43	0.01	
Kd of Pa-231 in Saturated Zone	5	-0.55	4	-0.13	44	0.14	44	0.01	
Kd of Pb-210 in Contaminated Zone	11	-0.48	12	-0.08	28	0.23	28	0.02	
Kd of Pb-210 in Unsaturated Zone 1	68	-0.08	68	-0.01	65	-0.05	65	0.00	
Kd of Pb-210 in Saturated Zone	9	0.48	13	0.08	69	-0.04	69	0.00	
Kd of Pu-239 in Contaminated Zone	30	0.32	38	0.05	70	-0.03	70	0.00	
Kd of Pu-239 in Unsaturated Zone 1	27	0.33	5	0.13	18	0.30	18	0.02	
Kd of Pu-239 in Saturated Zone	38	-0.29	37	-0.05	80	0.00	80	0.00	
Kd of Ra-226 in Contaminated Zone	78	-0.01	78	0.00	68	0.04	68	0.00	
Kd of Ra-226 in Unsaturated Zone 1	55	0.17	57	0.02	30	-0.22	29	-0.02	
Kd of Ra-226 in Saturated Zone	36	-0.30	43	-0.04	51	0.12	51	0.01	
Kd of Tc-99 in Saturated Zone	75	-0.01	74	0.00	45	-0.13	45	-0.01	
Kd of Th-229 in Contaminated Zone	29	0.32	19	0.07	14	0.33	14	0.03	
Kd of Th-229 in Unsaturated Zone 1	24	-0.38	3	-0.17	8	0.42	8	0.03	
Kd of Th-229 in Saturated Zone	34	0.30	16	0.08	78	0.01	78	0.00	
Kd of Th-230 in Contaminated Zone	33	-0.30	29	-0.06	59	0.09	59	0.01	
Kd of Th-230 in Unsaturated Zone 1	80	0.00	80	0.00	40	-0.16	40	-0.01	
Kd of Th-230 in Saturated Zone	56	0.16	56	0.02	67	-0.05	67	0.00	
Kd of U-233 in Saturated Zone	19	0.41	32	0.05	7	0.42	7	0.04	
Kd of U-234 in Saturated Zone	57	0.16	48	0.03	36	-0.18	36	-0.01	
Kd of U-235 in Saturated Zone	31	0.31	30	0.06	23	0.27	22	0.02	
Kd of U-238 in Saturated Zone	74	-0.01	75	0.00	10	-0.36	10	-0.03	
Plant transfer factor for Ac	79	0.00	79	0.00	42	0.15	42	0.01	
Meat transfer factor for Ac	59	0.14	60	0.02	13	0.33	13	0.03	
Milk transfer factor for Ac	18	-0.42	26	-0.06	61	0.08	61	0.01	
Fish transfer factor for Ac	13	-0.46	15	-0.08	57	0.09	58	0.01	
Plant transfer factor for Am	63	0.12	65	0.01	66	-0.05	66	0.00	
Meat transfer factor for Am	76	-0.01	76	0.00	26	0.25	26	0.02	
Milk transfer factor for Am	65	0.11	62	0.02	38	0.17	38	0.01	
Fish transfer factor for Am	52	0.19	52	0.02	17	-0.30	17	-0.02	
Plant transfer factor for Pb	47	-0.23	36	-0.05	35	0.19	35	0.01	
Meat transfer factor for Pb	49	-0.22	50	-0.03	54	-0.11	54	-0.01	
Milk transfer factor for Pb	62	0.12	63	0.02	11	0.34	11	0.03	
Fish transfer factor for Pb	39	-0.28	17	-0.08	3	0.47	3	0.04	
Plant transfer factor for Np	77	-0.01	77	0.00	77	0.01	77	0.00	
Meat transfer factor for Np	53	0.19	55	0.02	62	-0.08	62	-0.01	
Milk transfer factor for Np	71	-0.06	70	-0.01	31	0.21	31	0.02	
Fish transfer factor for Np	60	0.13	64	0.01	29	0.22	30	0.02	
Plant transfer factor for Pu	12	-0.47	6	-0.13	46	-0.13	47	-0.01	
Meat transfer factor for Pu	17	-0.43	27	-0.06	72	0.02	72	0.00	
Milk transfer factor for Pu	37	0.29	39	0.04	56	-0.10	56	-0.01	
Fish transfer factor for Pu	43	0.25	42	0.04	20	0.28	20	0.02	
Plant transfer factor for Pa	4	-0.56	10	-0.09	19	0.28	19	0.02	
Meat transfer factor for Pa	23	0.40	18	0.07	27	0.24	27	0.02	
Milk transfer factor for Pa	58	0.16	58	0.02	37	-0.18	37	-0.01	
Fish transfer factor for Pa	45	0.25	35	0.05	5	-0.44	5	-0.04	
Plant transfer factor for Ra	51	0.22	51	0.03	33	-0.20	33	-0.02	
Meat transfer factor for Ra	72	0.04	72	0.00	58	-0.09	57	-0.01	
Milk transfer factor for Ra	22	0.40	34	0.05	76	-0.02	76	0.00	
Fish transfer factor for Ra	42	-0.26	46	-0.04	53	0.11	53	0.01	
Plant transfer factor for Tc	1	0.98	1	1.02	1	1.00	1	0.93	
Meat transfer factor for Tc	46	0.23	40	0.04	64	0.06	64	0.00	
Milk transfer factor for Tc	16	-0.43	24	-0.07	21	0.28	21	0.02	
Fish transfer factor for Tc	6	-0.53	20	-0.07	63	-0.07	63	-0.01	
Plant transfer factor for Th	25	0.38	21	0.07	34	0.20	34	0.02	
Meat transfer factor for Th	61	-0.12	66	-0.01	9	0.40	9	0.03	
Milk transfer factor for Th	54	0.19	53	0.02	16	-0.31	15	-0.03	
Fish transfer factor for Th	40	0.27	44	0.04	4	0.45	4	0.04	
Plant transfer factor for U	50	-0.22	54	-0.02	74	-0.02	73	0.00	
Meat transfer factor for U	21	0.40	31	0.06	52	0.11	52	0.01	
Milk transfer factor for U	15	0.44	23	0.07	24	0.27	24	0.02	
Fish transfer factor for U	66	0.11	61	0.02	50	0.12	50	0.01	
Well pumping rate	32	0.31	45	0.04	6	-0.43	6	-0.04	
Mass loading for inhalation	3	0.59	8	0.10	47	0.13	46	0.01	
Indoor dust filtration factor	69	-0.08	69	-0.01	55	-0.11	55	-0.01	
Depth of soil mixing layer	7	-0.52	14	-0.08	73	0.02	74	0.00	
Depth of roots	2	-0.87	2	-0.19	2	-0.97	2	-0.31	
Wet weight crop yield of fruit, grain and non-leafy vegetables	73	-0.03	73	0.00	75	-0.02	75	0.00	
Weathering removal constant of all vegetation	64	-0.12	67	-0.01	22	0.27	23	0.02	
Wet foliar interception fraction of leafy vegetables	35	-0.30	41	-0.04	15	-0.32	16	-0.02	
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 Tc-99 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	
Kd of Ac-227 in Contaminated Zone	13	-0.27	3	-0.16	20	-0.28	20	-0.02	
Kd of Ac-227 in Unsaturated Zone 1	58	0.08	61	0.01	35	0.18	36	0.01	
Kd of Ac-227 in Saturated Zone	29	-0.21	37	-0.03	15	-0.33	15	-0.03	
Kd of Am-241 in Contaminated Zone	62	-0.06	68	-0.01	38	0.17	39	0.01	
Kd of Am-241 in Unsaturated Zone 1	63	-0.06	67	-0.01	65	0.07	65	0.01	
Kd of Am-241 in Saturated Zone	38	-0.16	28	-0.03	53	0.09	53	0.01	
Kd of Np-237 in Contaminated Zone	37	0.16	11	0.05	67	0.06	67	0.00	
Kd of Np-237 in Unsaturated Zone 1	44	-0.13	45	-0.02	77	-0.01	77	0.00	
Kd of Np-237 in Saturated Zone	8	-0.31	13	-0.05	59	0.08	59	0.01	
Kd of Pa-231 in Contaminated Zone	22	-0.24	9	-0.06	64	0.07	64	0.01	
Kd of Pa-231 in Unsaturated Zone 1	36	-0.16	35	-0.03	72	0.04	72	0.00	
Kd of Pa-231 in Saturated Zone	76	-0.01	70	-0.01	23	-0.24	23	-0.02	
Kd of Pb-210 in Contaminated Zone	51	-0.10	55	-0.02	42	0.15	42	0.01	
Kd of Pb-210 in Unsaturated Zone 1	18	0.26	4	0.11	41	-0.15	41	-0.01	
Kd of Pb-210 in Saturated Zone	31	-0.20	34	-0.03	68	0.05	68	0.00	
Kd of Pu-239 in Contaminated Zone	68	0.05	48	0.02	33	-0.20	33	-0.02	
Kd of Pu-239 in Unsaturated Zone 1	72	0.04	75	0.01	63	0.07	63	0.01	
Kd of Pu-239 in Saturated Zone	33	-0.18	36	-0.03	47	0.13	47	0.01	
Kd of Ra-226 in Contaminated Zone	71	0.04	41	0.03	25	-0.21	25	-0.02	
Kd of Ra-226 in Unsaturated Zone 1	25	-0.21	29	-0.03	10	0.39	10	0.03	
Kd of Ra-226 in Saturated Zone	6	-0.32	8	-0.06	18	-0.29	18	-0.02	
Kd of Tc-99 in Saturated Zone	3	0.42	6	0.07	54	0.09	54	0.01	
Kd of Th-229 in Contaminated Zone	26	0.21	39	0.03	24	-0.23	24	-0.02	
Kd of Th-229 in Unsaturated Zone 1	66	0.05	69	0.01	22	0.26	22	0.02	
Kd of Th-229 in Saturated Zone	75	0.02	50	0.02	12	0.38	12	0.03	
Kd of Th-230 in Contaminated Zone	46	-0.12	26	-0.04	21	0.28	21	0.02	
Kd of Th-230 in Unsaturated Zone 1	27	-0.21	22	-0.04	49	-0.12	49	-0.01	
Kd of Th-230 in Saturated Zone	69	0.05	74	0.01	34	-0.19	34	-0.01	
Kd of U-233 in Saturated Zone	74	-0.02	44	-0.02	13	-0.38	13	-0.03	
Kd of U-234 in Saturated Zone	45	0.12	47	0.02	14	-0.35	14	-0.03	
Kd of U-235 in Saturated Zone	43	-0.14	24	-0.04	66	0.06	66	0.00	
Kd of U-238 in Saturated Zone	23	-0.23	23	-0.04	16	-0.33	16	-0.03	
Plant transfer factor for Ac	10	0.29	17	0.05	70	-0.05	70	0.00	
Meat transfer factor for Ac	57	0.09	63	0.01	45	0.13	44	0.01	
Milk transfer factor for Ac	48	0.11	52	0.02	50	0.12	51	0.01	
Fish transfer factor for Ac	53	0.10	51	0.02	6	0.43	7	0.04	
Plant transfer factor for Am	30	0.21	38	0.03	8	-0.42	8	-0.04	
Meat transfer factor for Am	79	0.01	79	0.00	3	0.53	3	0.05	
Milk transfer factor for Am	28	-0.21	32	-0.03	31	-0.20	31	-0.02	
Fish transfer factor for Am	54	0.10	56	0.02	43	-0.13	45	-0.01	
Plant transfer factor for Pb	41	0.15	42	0.03	55	0.09	55	0.01	
Meat transfer factor for Pb	12	0.27	16	0.05	28	0.21	29	0.02	
Milk transfer factor for Pb	80	0.00	80	0.00	17	-0.32	17	-0.03	
Fish transfer factor for Pb	5	-0.35	14	-0.05	73	0.02	73	0.00	
Plant transfer factor for Np	61	-0.07	64	-0.01	32	0.20	32	0.02	
Meat transfer factor for Np	20	-0.25	30	-0.03	40	0.16	40	0.01	
Milk transfer factor for Np	50	0.11	57	0.01	76	-0.01	76	0.00	
Fish transfer factor for Np	34	0.18	43	0.02	4	-0.47	4	-0.04	
Plant transfer factor for Pu	73	0.03	76	0.00	19	-0.29	19	-0.02	
Meat transfer factor for Pu	17	0.26	27	0.04	44	0.13	46	0.01	
Milk transfer factor for Pu	39	-0.15	46	-0.02	46	0.13	43	0.01	
Fish transfer factor for Pu	32	0.20	31	0.03	5	-0.45	5	-0.04	
Plant transfer factor for Pa	52	-0.10	53	-0.02	26	-0.21	26	-0.02	
Meat transfer factor for Pa	7	-0.32	7	-0.07	57	-0.09	57	-0.01	
Milk transfer factor for Pa	11	0.28	19	0.04	11	-0.38	11	-0.03	
Fish transfer factor for Pa	64	0.06	60	0.01	39	-0.17	38	-0.01	
Plant transfer factor for Ra	35	0.18	40	0.03	7	0.43	6	0.04	
Meat transfer factor for Ra	9	-0.30	18	-0.05	36	0.18	35	0.01	
Milk transfer factor for Ra	67	-0.05	71	-0.01	30	-0.20	28	-0.02	
Fish transfer factor for Ra	59	0.08	65	0.01	37	0.17	37	0.01	
Plant transfer factor for Tc	1	0.99	1	0.94	1	1.00	1	0.94	
Meat transfer factor for Tc	49	-0.11	62	-0.01	75	0.02	75	0.00	
Milk transfer factor for Tc	24	0.23	33	0.03	9	0.40	9	0.03	
Fish transfer factor for Tc	60	0.08	66	0.01	62	-0.07	62	-0.01	
Plant transfer factor for Th	4	0.36	5	0.08	79	-0.01	79	0.00	
Meat transfer factor for Th	55	0.10	58	0.01	69	0.05	69	0.00	
Milk transfer factor for Th	16	0.26	21	0.04	48	-0.12	48	-0.01	
Fish transfer factor for Th	42	0.15	12	0.05	58	0.08	58	0.01	
Plant transfer factor for U	77	-0.01	78	0.00	56	-0.09	56	-0.01	
Meat transfer factor for U	15	0.26	15	0.05	52	-0.11	52	-0.01	
Milk transfer factor for U	21	0.24	10	0.05	27	-0.21	27	-0.02	
Fish transfer factor for U	47	0.12	54	0.02	60	0.08	61	0.01	
Well pumping rate	78	0.01	77	0.00	80	0.01	80	0.00	
Mass loading for inhalation	19	-0.25	25	-0.04	78	-0.01	78	0.00	
Indoor dust filtration factor	70	0.05	73	0.01	71	-0.04	71	0.00	
Depth of soil mixing layer	65	-0.05	72	-0.01	51	0.12	50	0.01	
Depth of roots	2	-0.78	2	-0.19	2	-0.97	2	-0.33	
Wet weight crop yield of fruit, grain and non-leafy vegetables	56	-0.09	59	-0.01	74	0.02	74	0.00	
Weathering removal constant of all vegetation	40	-0.15	49	-0.02	29	0.21	30	0.02	
Wet foliar interception fraction of leafy vegetables	14	0.27	20	0.04	61	0.08	60	0.01	
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 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		39	-0.16	39	-0.04	63	-0.05	63	0.00
Kd of Ac-227 in Unsaturated Zone 1		67	0.03	63	0.01	4	-0.37	4	-0.04
Kd of Ac-227 in Saturated Zone		44	-0.14	36	-0.05	80	0.00	80	0.00
Kd of Am-241 in Contaminated Zone		26	0.24	11	0.12	36	0.15	36	0.01
Kd of Am-241 in Unsaturated Zone 1		34	-0.18	40	-0.04	53	-0.07	53	-0.01
Kd of Am-241 in Saturated Zone		55	0.08	35	0.05	78	0.01	78	0.00
Kd of Np-237 in Contaminated Zone		73	-0.02	72	-0.01	79	-0.01	79	0.00
Kd of Np-237 in Unsaturated Zone 1		76	0.01	76	0.00	74	0.01	74	0.00
Kd of Np-237 in Saturated Zone		70	-0.03	66	-0.01	32	-0.17	33	-0.02
Kd of Pa-231 in Contaminated Zone		80	0.00	79	0.00	21	0.21	21	0.02
Kd of Pa-231 in Unsaturated Zone 1		50	0.11	49	0.03	7	0.34	7	0.03
Kd of Pa-231 in Saturated Zone		29	0.21	29	0.07	43	-0.09	44	-0.01
Kd of Pb-210 in Contaminated Zone		16	0.35	3	0.22	48	0.08	48	0.01
Kd of Pb-210 in Unsaturated Zone 1		9	-0.39	2	-0.26	44	0.09	45	0.01
Kd of Pb-210 in Saturated Zone		14	0.35	20	0.09	38	-0.11	38	-0.01
Kd of Pu-239 in Contaminated Zone		11	-0.37	17	-0.10	68	-0.03	68	0.00
Kd of Pu-239 in Unsaturated Zone 1		15	-0.35	21	-0.09	76	-0.01	76	0.00
Kd of Pu-239 in Saturated Zone		46	0.13	53	0.03	61	-0.05	61	0.00
Kd of Ra-226 in Contaminated Zone		36	-0.17	45	-0.03	62	0.05	62	0.00
Kd of Ra-226 in Unsaturated Zone 1		53	-0.08	56	-0.02	49	-0.08	49	-0.01
Kd of Ra-226 in Saturated Zone		12	-0.37	10	-0.14	75	-0.01	75	0.00
Kd of Tc-99 in Saturated Zone		57	-0.07	58	-0.02	13	-0.25	13	-0.02
Kd of Th-229 in Contaminated Zone		35	0.17	38	0.04	72	0.02	72	0.00
Kd of Th-229 in Unsaturated Zone 1		4	-0.48	7	-0.19	60	0.05	60	0.00
Kd of Th-229 in Saturated Zone		72	0.02	50	0.03	56	-0.06	56	-0.01
Kd of Th-230 in Contaminated Zone		79	0.00	80	0.00	30	-0.18	30	-0.02
Kd of Th-230 in Unsaturated Zone 1		74	0.02	73	0.01	51	0.07	51	0.01
Kd of Th-230 in Saturated Zone		42	0.15	48	0.03	29	0.18	29	0.02
Kd of U-233 in Saturated Zone		3	-0.57	6	-0.20	23	0.21	24	0.02
Kd of U-234 in Saturated Zone		17	0.35	22	0.09	71	0.02	71	0.00
Kd of U-235 in Saturated Zone		38	-0.16	16	-0.10	69	-0.03	69	0.00
Kd of U-238 in Saturated Zone		59	-0.06	18	-0.09	55	-0.06	55	-0.01
Plant transfer factor for Ac		49	0.12	47	0.03	52	0.07	52	0.01
Meat transfer factor for Ac		5	0.47	8	0.17	31	0.18	31	0.02
Milk transfer factor for Ac		25	-0.27	28	-0.07	3	0.37	3	0.04
Fish transfer factor for Ac		48	0.12	42	0.04	10	0.31	10	0.03
Plant transfer factor for Am		32	0.19	41	0.04	35	0.16	35	0.01
Meat transfer factor for Am		61	-0.05	64	-0.01	9	0.32	9	0.03
Milk transfer factor for Am		30	0.21	33	0.05	11	-0.29	11	-0.03
Fish transfer factor for Am		10	0.38	13	0.12	59	0.05	59	0.00
Plant transfer factor for Pb		78	0.01	78	0.00	25	0.21	25	0.02
Meat transfer factor for Pb		68	-0.03	70	-0.01	42	-0.09	42	-0.01
Milk transfer factor for Pb		19	-0.33	27	-0.08	73	-0.02	73	0.00
Fish transfer factor for Pb		56	0.08	57	0.02	34	-0.17	34	-0.01
Plant transfer factor for Np		22	-0.31	15	-0.10	8	0.34	8	0.03
Meat transfer factor for Np		6	0.46	12	0.12	20	-0.22	20	-0.02
Milk transfer factor for Np		20	-0.33	26	-0.08	28	0.18	28	0.02
Fish transfer factor for Np		64	-0.04	69	-0.01	14	-0.23	14	-0.02
Plant transfer factor for Pu		33	0.19	43	0.04	66	-0.04	66	0.00
Meat transfer factor for Pu		21	0.32	24	0.08	40	-0.10	40	-0.01
Milk transfer factor for Pu		45	0.13	51	0.03	19	-0.22	17	-0.02
Fish transfer factor for Pu		37	0.17	37	0.05	50	-0.08	50	-0.01
Plant transfer factor for Pa		69	-0.03	68	-0.01	77	0.01	77	0.00
Meat transfer factor for Pa		65	0.04	60	0.01	64	0.05	64	0.00
Milk transfer factor for Pa		31	-0.20	32	-0.05	16	0.22	18	0.02
Fish transfer factor for Pa		8	0.44	14	0.11	18	0.22	19	0.02
Plant transfer factor for Ra		71	0.02	74	0.01	33	0.17	32	0.02
Meat transfer factor for Ra		75	-0.02	75	0.00	39	0.10	39	0.01
Milk transfer factor for Ra		54	0.08	59	0.02	65	-0.04	65	0.00
Fish transfer factor for Ra		7	0.45	4	0.22	67	0.03	67	0.00
Plant transfer factor for Tc		1	0.97	1	0.91	1	1.00	1	0.94
Meat transfer factor for Tc		13	0.36	19	0.09	47	-0.08	47	-0.01
Milk transfer factor for Tc		28	0.22	34	0.05	6	0.35	6	0.03
Fish transfer factor for Tc		18	0.34	25	0.08	57	0.06	58	0.01
Plant transfer factor for Th		27	-0.22	30	-0.06	54	-0.07	54	-0.01
Meat transfer factor for Th		40	0.16	31	0.05	37	-0.12	37	-0.01
Milk transfer factor for Th		62	0.05	67	0.01	24	-0.21	23	-0.02
Fish transfer factor for Th		24	-0.28	9	-0.15	5	0.37	5	0.03
Plant transfer factor for U		77	-0.01	77	0.00	45	0.09	43	0.01
Meat transfer factor for U		63	0.05	65	0.01	70	0.02	70	0.00
Milk transfer factor for U		51	0.09	54	0.02	15	-0.22	15	-0.02
Fish transfer factor for U		58	0.06	61	0.01	22	-0.21	22	-0.02
Well pumping rate		43	0.15	46	0.03	17	-0.22	16	-0.02
Mass loading for inhalation		23	0.30	23	0.08	27	-0.19	27	-0.02
Indoor dust filtration factor		60	0.05	62	0.01	58	-0.06	57	-0.01
Depth of soil mixing layer		41	0.16	44	0.04	12	-0.26	12	-0.02
Depth of roots		2	-0.70	5	-0.21	2	-0.96	2	-0.31
Wet weight crop yield of fruit, grain and non-leafy vegetables		52	0.09	55	0.02	26	0.20	26	0.02
Weathering removal constant of all vegetation		47	0.13	52	0.03	41	-0.10	41	-0.01
Wet foliar interception fraction of leafy vegetables		66	-0.03	71	-0.01	46	-0.09	46	-0.01
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 U-234 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Ac-227 in Contaminated Zone	67	0.05	69	0.01	52	0.11	52	0.01	
Kd of Ac-227 in Unsaturated Zone 1	74	-0.02	75	0.00	76	-0.01	76	0.00	
Kd of Ac-227 in Saturated Zone	33	0.23	42	0.04	23	-0.33	23	-0.04	
Kd of Am-241 in Contaminated Zone	41	0.18	45	0.03	55	-0.10	55	-0.01	
Kd of Am-241 in Unsaturated Zone 1	59	-0.07	58	-0.02	16	0.41	16	0.05	
Kd of Am-241 in Saturated Zone	14	0.38	10	0.11	59	0.07	60	0.01	
Kd of Np-237 in Contaminated Zone	40	-0.19	29	-0.05	22	0.33	22	0.04	
Kd of Np-237 in Unsaturated Zone 1	75	-0.02	73	-0.01	78	0.00	78	0.00	
Kd of Np-237 in Saturated Zone	71	-0.04	71	-0.01	60	0.07	59	0.01	
Kd of Pa-231 in Contaminated Zone	61	0.07	55	0.02	14	-0.47	14	-0.06	
Kd of Pa-231 in Unsaturated Zone 1	22	0.31	8	0.12	53	-0.10	53	-0.01	
Kd of Pa-231 in Saturated Zone	55	0.12	47	0.03	38	0.23	38	0.03	
Kd of Pb-210 in Contaminated Zone	6	-0.51	7	-0.13	46	-0.15	46	-0.02	
Kd of Pb-210 in Unsaturated Zone 1	16	-0.36	20	-0.07	18	-0.37	18	-0.05	
Kd of Pb-210 in Saturated Zone	34	0.22	32	0.05	73	-0.04	73	0.00	
Kd of Pu-239 in Contaminated Zone	20	0.32	23	0.07	48	-0.14	48	-0.02	
Kd of Pu-239 in Unsaturated Zone 1	12	0.40	2	0.23	75	-0.01	75	0.00	
Kd of Pu-239 in Saturated Zone	78	0.00	78	0.00	26	-0.30	25	-0.04	
Kd of Ra-226 in Contaminated Zone	9	-0.46	14	-0.09	37	-0.24	37	-0.03	
Kd of Ra-226 in Unsaturated Zone 1	8	0.48	13	0.10	24	-0.32	24	-0.04	
Kd of Ra-226 in Saturated Zone	80	0.00	80	0.00	34	-0.24	35	-0.03	
Kd of Tc-99 in Saturated Zone	32	0.23	35	0.04	20	-0.36	20	-0.05	
Kd of Th-229 in Contaminated Zone	31	-0.24	19	-0.07	19	0.37	19	0.05	
Kd of Th-229 in Unsaturated Zone 1	26	-0.27	5	-0.17	72	0.04	72	0.00	
Kd of Th-229 in Saturated Zone	50	0.13	33	0.04	74	-0.02	74	0.00	
Kd of Th-230 in Contaminated Zone	64	0.06	59	0.02	25	-0.30	26	-0.04	
Kd of Th-230 in Unsaturated Zone 1	19	-0.32	22	-0.07	62	0.07	61	0.01	
Kd of Th-230 in Saturated Zone	44	-0.17	48	-0.03	61	-0.07	62	-0.01	
Kd of U-233 in Saturated Zone	77	0.00	77	0.00	58	0.08	58	0.01	
Kd of U-234 in Saturated Zone	49	0.15	37	0.04	70	0.04	69	0.01	
Kd of U-235 in Saturated Zone	62	-0.07	60	-0.02	8	-0.54	8	-0.08	
Kd of U-238 in Saturated Zone	58	-0.08	63	-0.01	11	-0.48	11	-0.07	
Plant transfer factor for Ac	25	0.28	28	0.05	43	-0.17	42	-0.02	
Meat transfer factor for Ac	11	-0.43	16	-0.09	54	0.10	54	0.01	
Milk transfer factor for Ac	39	-0.20	39	-0.04	71	0.04	71	0.01	
Fish transfer factor for Ac	38	-0.21	34	-0.04	35	0.24	36	0.03	
Plant transfer factor for Am	29	-0.25	40	-0.04	50	-0.12	50	-0.01	
Meat transfer factor for Am	51	-0.13	56	-0.02	40	-0.20	40	-0.02	
Milk transfer factor for Am	66	0.05	67	0.01	5	-0.63	5	-0.10	
Fish transfer factor for Am	76	-0.01	76	0.00	21	0.35	21	0.04	
Plant transfer factor for Pb	70	0.04	65	0.01	12	0.48	12	0.06	
Meat transfer factor for Pb	60	-0.07	64	-0.01	33	-0.25	33	-0.03	
Milk transfer factor for Pb	65	0.06	66	0.01	42	0.17	43	0.02	
Fish transfer factor for Pb	27	-0.26	11	-0.10	7	0.57	7	0.08	
Plant transfer factor for Np	45	-0.16	49	-0.03	41	-0.18	41	-0.02	
Meat transfer factor for Np	54	0.12	57	0.02	17	-0.37	17	-0.05	
Milk transfer factor for Np	42	0.18	44	0.04	27	-0.28	27	-0.04	
Fish transfer factor for Np	17	0.35	25	0.06	69	0.04	70	0.01	
Plant transfer factor for Pu	43	0.17	24	0.06	32	-0.25	32	-0.03	
Meat transfer factor for Pu	36	-0.21	41	-0.04	29	0.27	29	0.03	
Milk transfer factor for Pu	47	0.15	50	0.03	6	-0.58	6	-0.09	
Fish transfer factor for Pu	73	0.03	74	0.01	56	0.09	56	0.01	
Plant transfer factor for Pa	30	-0.24	31	-0.05	10	0.52	9	0.07	
Meat transfer factor for Pa	18	0.34	15	0.09	64	0.05	64	0.01	
Milk transfer factor for Pa	79	0.00	79	0.00	63	-0.06	63	-0.01	
Fish transfer factor for Pa	68	-0.05	62	-0.01	31	0.26	31	0.03	
Plant transfer factor for Ra	21	0.32	26	0.06	39	0.22	39	0.03	
Meat transfer factor for Ra	69	0.04	72	0.01	65	-0.05	65	-0.01	
Milk transfer factor for Ra	7	0.50	12	0.10	9	0.53	10	0.07	
Fish transfer factor for Ra	35	-0.22	36	-0.04	68	-0.05	68	-0.01	
Plant transfer factor for Tc	56	-0.10	53	-0.03	80	0.00	80	0.00	
Meat transfer factor for Tc	48	0.15	43	0.04	44	-0.16	44	-0.02	
Milk transfer factor for Tc	5	-0.51	9	-0.12	51	0.12	51	0.01	
Fish transfer factor for Tc	28	-0.25	38	-0.04	47	0.14	47	0.02	
Plant transfer factor for Th	52	-0.12	52	-0.03	36	-0.24	34	-0.03	
Meat transfer factor for Th	63	-0.06	68	-0.01	49	0.13	49	0.02	
Milk transfer factor for Th	10	-0.43	17	-0.09	79	0.00	79	0.00	
Fish transfer factor for Th	57	-0.08	61	-0.01	66	0.05	66	0.01	
Plant transfer factor for U	1	0.99	1	0.92	1	0.99	1	0.74	
Meat transfer factor for U	4	0.67	6	0.16	4	0.92	4	0.27	
Milk transfer factor for U	3	0.69	3	0.18	3	0.93	3	0.31	
Fish transfer factor for U	72	0.03	70	0.01	67	-0.05	67	-0.01	
Well pumping rate	37	0.21	46	0.03	45	-0.16	45	-0.02	
Mass loading for inhalation	53	-0.12	54	-0.02	13	0.48	13	0.06	
Indoor dust filtration factor	13	0.40	18	0.08	15	-0.41	15	-0.05	
Depth of soil mixing layer	15	-0.37	21	-0.07	28	-0.27	28	-0.03	
Depth of roots	2	-0.76	4	-0.17	2	-0.95	2	-0.38	
Wet weight crop yield of fruit, grain and non-leafy vegetables	23	0.31	27	0.06	77	-0.01	77	0.00	
Weathering removal constant of all vegetation	24	-0.29	30	-0.05	57	0.09	57	0.01	
Wet foliar interception fraction of leafy vegetables	46	-0.15	51	-0.03	30	0.26	30	0.03	
R-SQUARE		0.99		0.99		0.99		0.99	

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

Coefficients for peak 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	Sig
Kd of Ac-227 in Contaminated Zone	12	-0.34	3	-0.39	80	0.01	80	0.00	
Kd of Ac-227 in Unsaturated Zone 1	57	0.10	59	0.03	38	-0.21	38	-0.03	
Kd of Ac-227 in Saturated Zone	11	-0.35	23	-0.09	53	0.12	53	0.01	
Kd of Am-241 in Contaminated Zone	16	-0.29	21	-0.09	43	0.18	43	0.02	
Kd of Am-241 in Unsaturated Zone 1	51	-0.13	44	-0.04	9	0.46	10	0.06	
Kd of Am-241 in Saturated Zone	24	-0.24	18	-0.10	48	0.15	48	0.02	
Kd of Np-237 in Contaminated Zone	6	0.40	8	0.26	73	-0.06	73	-0.01	
Kd of Np-237 in Unsaturated Zone 1	49	0.13	45	0.04	47	0.16	47	0.02	
Kd of Np-237 in Saturated Zone	56	-0.11	57	-0.03	18	-0.36	18	-0.04	
Kd of Pa-231 in Contaminated Zone	68	-0.05	64	-0.02	78	0.03	78	0.00	
Kd of Pa-231 in Unsaturated Zone 1	60	0.09	58	0.03	15	-0.40	15	-0.05	
Kd of Pa-231 in Saturated Zone	31	0.21	9	0.26	66	0.08	66	0.01	
Kd of Pb-210 in Contaminated Zone	4	0.41	15	0.13	76	0.04	76	0.00	
Kd of Pb-210 in Unsaturated Zone 1	8	0.38	7	0.31	67	0.08	67	0.01	
Kd of Pb-210 in Saturated Zone	50	-0.13	52	-0.04	27	-0.30	27	-0.04	
Kd of Pu-239 in Contaminated Zone	75	0.02	70	0.02	23	0.33	23	0.04	
Kd of Pu-239 in Unsaturated Zone 1	72	-0.04	73	-0.01	64	0.09	65	0.01	
Kd of Pu-239 in Saturated Zone	29	-0.21	29	-0.07	28	-0.29	29	-0.03	
Kd of Ra-226 in Contaminated Zone	22	-0.26	6	-0.31	56	-0.12	57	-0.01	
Kd of Ra-226 in Unsaturated Zone 1	61	-0.09	63	-0.02	59	0.11	58	0.01	
Kd of Ra-226 in Saturated Zone	52	0.13	47	0.04	16	0.40	16	0.05	
Kd of Tc-99 in Saturated Zone	59	0.09	61	0.03	65	0.09	64	0.01	
Kd of Th-229 in Contaminated Zone	32	-0.21	37	-0.05	79	0.01	79	0.00	
Kd of Th-229 in Unsaturated Zone 1	40	-0.17	33	-0.06	72	0.06	72	0.01	
Kd of Th-229 in Saturated Zone	30	-0.21	4	-0.39	13	0.41	14	0.05	
Kd of Th-230 in Contaminated Zone	80	0.00	78	0.00	60	0.11	60	0.01	
Kd of Th-230 in Unsaturated Zone 1	13	-0.33	14	-0.13	42	-0.19	42	-0.02	
Kd of Th-230 in Saturated Zone	37	0.19	40	0.05	31	-0.27	31	-0.03	
Kd of U-233 in Saturated Zone	28	0.22	2	0.40	54	-0.12	55	-0.01	
Kd of U-234 in Saturated Zone	18	-0.27	22	-0.09	52	-0.12	50	-0.01	
Kd of U-235 in Saturated Zone	7	-0.40	11	-0.24	30	0.28	30	0.03	
Kd of U-238 in Saturated Zone	73	0.03	74	0.01	24	-0.32	24	-0.04	
Plant transfer factor for Ac	55	0.11	55	0.03	68	-0.08	69	-0.01	
Meat transfer factor for Ac	77	0.01	77	0.00	55	-0.12	54	-0.01	
Milk transfer factor for Ac	62	0.08	62	0.02	7	0.51	8	0.07	
Fish transfer factor for Ac	43	-0.15	35	-0.06	61	-0.10	61	-0.01	
Plant transfer factor for Am	78	0.01	79	0.00	19	-0.36	20	-0.04	
Meat transfer factor for Am	15	0.32	17	0.11	44	0.18	44	0.02	
Milk transfer factor for Am	14	-0.33	20	-0.10	49	0.13	49	0.01	
Fish transfer factor for Am	58	-0.10	56	-0.03	41	0.20	41	0.02	
Plant transfer factor for Pb	23	0.25	24	0.09	34	0.24	34	0.03	
Meat transfer factor for Pb	66	0.07	66	0.02	17	-0.37	17	-0.05	
Milk transfer factor for Pb	10	-0.35	13	-0.13	40	0.21	39	0.02	
Fish transfer factor for Pb	35	-0.19	41	-0.05	70	-0.07	70	-0.01	
Plant transfer factor for Np	71	0.04	71	0.01	62	0.10	62	0.01	
Meat transfer factor for Np	33	0.20	38	0.05	25	0.31	25	0.04	
Milk transfer factor for Np	38	-0.19	39	-0.05	29	0.29	28	0.03	
Fish transfer factor for Np	9	-0.37	19	-0.10	69	-0.08	68	-0.01	
Plant transfer factor for Pu	21	-0.26	30	-0.06	11	-0.42	11	-0.05	
Meat transfer factor for Pu	39	-0.18	43	-0.04	63	-0.09	63	-0.01	
Milk transfer factor for Pu	42	0.16	46	0.04	20	-0.35	19	-0.04	
Fish transfer factor for Pu	65	0.07	67	0.02	35	-0.23	35	-0.03	
Plant transfer factor for Pa	27	0.23	26	0.07	75	-0.05	75	-0.01	
Meat transfer factor for Pa	41	-0.17	32	-0.06	14	-0.41	13	-0.05	
Milk transfer factor for Pa	45	-0.14	48	-0.04	51	0.12	51	0.01	
Fish transfer factor for Pa	69	0.05	68	0.02	10	0.45	9	0.06	
Plant transfer factor for Ra	34	0.20	34	0.06	5	0.61	5	0.09	
Meat transfer factor for Ra	54	0.12	54	0.03	74	-0.05	74	-0.01	
Milk transfer factor for Ra	48	-0.13	42	-0.05	46	0.16	46	0.02	
Fish transfer factor for Ra	19	0.27	28	0.07	58	0.11	59	0.01	
Plant transfer factor for Tc	70	-0.04	72	-0.01	32	0.27	32	0.03	
Meat transfer factor for Tc	53	0.13	60	0.03	71	0.07	71	0.01	
Milk transfer factor for Tc	44	0.15	53	0.03	45	0.17	45	0.02	
Fish transfer factor for Tc	26	0.23	31	0.06	36	-0.23	36	-0.03	
Plant transfer factor for Th	17	0.28	16	0.11	22	0.33	22	0.04	
Meat transfer factor for Th	36	-0.19	36	-0.05	21	0.35	21	0.04	
Milk transfer factor for Th	20	-0.26	25	-0.08	50	0.12	52	0.01	
Fish transfer factor for Th	67	-0.06	51	-0.04	12	0.42	12	0.05	
Plant transfer factor for U	1	0.96	1	0.87	1	0.99	1	0.78	
Meat transfer factor for U	5	0.41	12	0.15	4	0.89	4	0.22	
Milk transfer factor for U	3	0.53	10	0.24	3	0.95	3	0.34	
Fish transfer factor for U	63	-0.08	65	-0.02	37	-0.22	37	-0.03	
Well pumping rate	74	0.03	75	0.01	8	-0.50	7	-0.07	
Mass loading for inhalation	46	-0.14	49	-0.04	77	0.04	77	0.00	
Indoor dust filtration factor	47	0.14	50	0.04	57	-0.12	56	-0.01	
Depth of soil mixing layer	79	0.00	80	0.00	6	-0.52	6	-0.07	
Depth of roots	2	-0.77	5	-0.35	2	-0.96	2	-0.39	
Wet weight crop yield of fruit, grain and non-leafy vegetables	76	-0.01	76	0.00	39	-0.21	40	-0.02	
Weathering removal constant of all vegetation	64	-0.07	69	-0.02	26	0.31	26	0.04	
Wet foliar interception fraction of leafy vegetables	25	-0.24	27	-0.07	33	-0.26	33	-0.03	
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 U-234 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Ac-227 in Contaminated Zone	14	-0.35	18	-0.05	36	0.19	36	0.03	
Kd of Ac-227 in Unsaturated Zone 1	40	-0.17	26	-0.04	31	0.24	31	0.04	
Kd of Ac-227 in Saturated Zone	68	-0.05	65	-0.01	57	0.09	57	0.01	
Kd of Am-241 in Contaminated Zone	11	-0.38	4	-0.10	53	-0.11	53	-0.02	
Kd of Am-241 in Unsaturated Zone 1	4	-0.66	6	-0.10	71	-0.02	71	0.00	
Kd of Am-241 in Saturated Zone	29	0.23	11	0.07	74	0.02	74	0.00	
Kd of Np-237 in Contaminated Zone	42	0.15	37	0.03	59	-0.08	59	-0.01	
Kd of Np-237 in Unsaturated Zone 1	24	-0.26	27	-0.04	34	0.21	34	0.03	
Kd of Np-237 in Saturated Zone	25	-0.26	15	-0.05	44	0.14	44	0.02	
Kd of Pa-231 in Contaminated Zone	63	-0.07	47	-0.02	22	-0.28	22	-0.05	
Kd of Pa-231 in Unsaturated Zone 1	48	0.12	49	0.02	8	0.45	8	0.08	
Kd of Pa-231 in Saturated Zone	52	0.10	48	0.02	68	0.05	68	0.01	
Kd of Pb-210 in Contaminated Zone	71	0.03	66	0.01	54	0.10	54	0.02	
Kd of Pb-210 in Unsaturated Zone 1	64	-0.07	43	-0.02	69	0.04	69	0.01	
Kd of Pb-210 in Saturated Zone	16	-0.35	19	-0.05	56	0.09	55	0.02	
Kd of Pu-239 in Contaminated Zone	77	0.01	76	0.00	58	0.09	58	0.01	
Kd of Pu-239 in Unsaturated Zone 1	50	-0.12	56	-0.01	32	-0.24	32	-0.04	
Kd of Pu-239 in Saturated Zone	13	0.36	21	0.04	28	0.26	28	0.04	
Kd of Ra-226 in Contaminated Zone	27	0.24	42	0.03	10	0.41	10	0.07	
Kd of Ra-226 in Unsaturated Zone 1	17	-0.32	23	-0.04	25	0.27	25	0.05	
Kd of Ra-226 in Saturated Zone	74	-0.01	73	0.00	35	-0.19	35	-0.03	
Kd of Tc-99 in Saturated Zone	43	0.14	46	0.02	72	-0.02	72	0.00	
Kd of Th-229 in Contaminated Zone	23	0.28	28	0.03	7	-0.47	7	-0.09	
Kd of Th-229 in Unsaturated Zone 1	58	-0.09	53	-0.02	48	0.13	48	0.02	
Kd of Th-229 in Saturated Zone	54	-0.10	9	-0.07	37	-0.19	37	-0.03	
Kd of Th-230 in Contaminated Zone	6	0.44	14	0.06	12	0.40	12	0.07	
Kd of Th-230 in Unsaturated Zone 1	9	-0.39	10	-0.07	49	0.12	49	0.02	
Kd of Th-230 in Saturated Zone	44	0.14	52	0.02	73	-0.02	73	0.00	
Kd of U-233 in Saturated Zone	55	0.09	58	0.01	11	0.40	11	0.07	
Kd of U-234 in Saturated Zone	80	0.00	80	0.00	6	0.50	6	0.09	
Kd of U-235 in Saturated Zone	36	-0.18	13	-0.06	63	-0.06	63	-0.01	
Kd of U-238 in Saturated Zone	51	0.11	7	0.09	5	-0.54	5	-0.10	
Plant transfer factor for Ac	30	0.22	34	0.03	55	0.09	56	0.02	
Meat transfer factor for Ac	53	-0.10	51	-0.02	80	0.00	80	0.00	
Milk transfer factor for Ac	56	0.09	59	0.01	14	-0.35	14	-0.06	
Fish transfer factor for Ac	28	0.24	22	0.04	61	-0.07	61	-0.01	
Plant transfer factor for Am	21	-0.30	31	-0.03	24	0.28	24	0.05	
Meat transfer factor for Am	47	-0.12	55	-0.02	64	-0.06	64	-0.01	
Milk transfer factor for Am	32	-0.21	40	-0.03	51	0.12	51	0.02	
Fish transfer factor for Am	35	-0.20	35	-0.03	66	0.05	66	0.01	
Plant transfer factor for Pb	33	0.21	30	0.03	17	0.32	19	0.05	
Meat transfer factor for Pb	45	-0.14	44	-0.02	29	0.26	29	0.04	
Milk transfer factor for Pb	78	0.01	79	0.00	79	0.00	79	0.00	
Fish transfer factor for Pb	20	-0.30	25	-0.04	70	0.03	70	0.00	
Plant transfer factor for Np	38	0.18	36	0.03	13	-0.38	13	-0.06	
Meat transfer factor for Np	75	-0.01	77	0.00	26	-0.27	26	-0.04	
Milk transfer factor for Np	61	-0.08	63	-0.01	43	0.16	43	0.03	
Fish transfer factor for Np	37	0.18	45	0.02	75	0.01	75	0.00	
Plant transfer factor for Pu	39	0.18	50	0.02	52	-0.11	52	-0.02	
Meat transfer factor for Pu	79	0.01	78	0.00	38	-0.18	38	-0.03	
Milk transfer factor for Pu	60	-0.08	61	-0.01	20	-0.31	20	-0.05	
Fish transfer factor for Pu	34	0.20	38	0.03	76	0.01	76	0.00	
Plant transfer factor for Pa	76	0.01	75	0.00	30	-0.25	30	-0.04	
Meat transfer factor for Pa	70	0.04	68	0.01	67	0.05	67	0.01	
Milk transfer factor for Pa	10	-0.38	16	-0.05	78	-0.01	78	0.00	
Fish transfer factor for Pa	73	-0.02	74	0.00	23	-0.28	23	-0.05	
Plant transfer factor for Ra	67	0.05	70	0.01	9	0.41	9	0.07	
Meat transfer factor for Ra	7	0.41	12	0.06	15	0.34	15	0.06	
Milk transfer factor for Ra	19	0.31	33	0.03	65	0.06	65	0.01	
Fish transfer factor for Ra	41	0.15	29	0.03	18	-0.32	17	-0.05	
Plant transfer factor for Tc	22	0.28	32	0.03	40	0.16	40	0.03	
Meat transfer factor for Tc	66	0.06	67	0.01	47	0.13	47	0.02	
Milk transfer factor for Tc	49	-0.12	57	-0.01	33	-0.22	33	-0.04	
Fish transfer factor for Tc	59	0.08	62	0.01	60	0.08	60	0.01	
Plant transfer factor for Th	57	0.09	60	0.01	41	0.16	41	0.03	
Meat transfer factor for Th	72	0.02	72	0.00	77	-0.01	77	0.00	
Milk transfer factor for Th	65	0.06	69	0.01	16	-0.34	16	-0.06	
Fish transfer factor for Th	12	0.37	5	0.10	45	-0.14	45	-0.02	
Plant transfer factor for U	1	0.99	1	0.97	1	0.98	1	0.84	
Meat transfer factor for U	5	0.52	8	0.08	4	0.78	4	0.20	
Milk transfer factor for U	3	0.82	3	0.17	3	0.88	3	0.30	
Fish transfer factor for U	18	-0.31	24	-0.04	27	0.26	27	0.04	
Well pumping rate	8	-0.40	17	-0.05	19	-0.32	18	-0.05	
Mass loading for inhalation	69	0.04	71	0.01	21	0.28	21	0.05	
Indoor dust filtration factor	62	0.07	64	0.01	39	0.17	39	0.03	
Depth of soil mixing layer	26	-0.24	39	-0.03	46	0.13	46	0.02	
Depth of roots	2	-0.85	2	-0.18	2	-0.90	2	-0.34	
Wet weight crop yield of fruit, grain and non-leafy vegetables	46	0.14	54	0.02	62	0.07	62	0.01	
Weathering removal constant of all vegetation	15	-0.35	20	-0.04	42	-0.16	42	-0.03	
Wet foliar interception fraction of leafy vegetables	31	0.22	41	0.03	50	0.12	50	0.02	
R-SQUARE		0.99		0.99		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-235 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	24	-0.28	28	-0.13	38	-0.24	38	-0.05	
Kd of Ac-227 in Unsaturated Zone 1	31	-0.26	38	-0.10	41	-0.20	41	-0.04	
Kd of Ac-227 in Saturated Zone	54	0.13	58	0.05	26	-0.31	27	-0.06	
Kd of Am-241 in Contaminated Zone	32	0.25	35	0.12	39	-0.24	39	-0.05	
Kd of Am-241 in Unsaturated Zone 1	68	-0.05	65	-0.03	27	-0.30	28	-0.06	
Kd of Am-241 in Saturated Zone	18	0.31	13	0.21	66	0.07	66	0.01	
Kd of Np-237 in Contaminated Zone	51	-0.14	45	-0.09	76	-0.01	76	0.00	
Kd of Np-237 in Unsaturated Zone 1	38	-0.21	21	-0.17	19	-0.36	19	-0.07	
Kd of Np-237 in Saturated Zone	12	-0.38	19	-0.18	65	0.07	65	0.01	
Kd of Pa-231 in Contaminated Zone	44	-0.16	29	-0.13	4	0.76	4	0.22	
Kd of Pa-231 in Unsaturated Zone 1	73	-0.03	67	-0.03	6	-0.51	6	-0.11	
Kd of Pa-231 in Saturated Zone	64	-0.07	60	-0.05	34	-0.26	34	-0.05	
Kd of Pb-210 in Contaminated Zone	69	-0.05	69	-0.02	33	0.27	33	0.05	
Kd of Pb-210 in Unsaturated Zone 1	33	-0.25	32	-0.12	70	-0.04	70	-0.01	
Kd of Pb-210 in Saturated Zone	2	0.65	3	0.42	31	0.29	31	0.06	
Kd of Pu-239 in Contaminated Zone	13	0.38	18	0.20	47	-0.18	47	-0.03	
Kd of Pu-239 in Unsaturated Zone 1	16	0.32	2	0.43	37	-0.25	37	-0.05	
Kd of Pu-239 in Saturated Zone	46	0.16	44	0.09	43	0.19	42	0.04	
Kd of Ra-226 in Contaminated Zone	40	-0.21	42	-0.09	14	-0.38	13	-0.08	
Kd of Ra-226 in Unsaturated Zone 1	57	0.11	59	0.05	71	0.03	71	0.01	
Kd of Ra-226 in Saturated Zone	70	-0.04	73	-0.02	44	0.19	44	0.04	
Kd of Tc-99 in Saturated Zone	65	0.07	66	0.03	61	-0.08	61	-0.01	
Kd of Th-229 in Contaminated Zone	77	-0.02	72	-0.02	36	0.26	36	0.05	
Kd of Th-229 in Unsaturated Zone 1	14	-0.36	1	-0.55	58	0.09	58	0.02	
Kd of Th-229 in Saturated Zone	21	0.30	8	0.26	72	0.02	72	0.00	
Kd of Th-230 in Contaminated Zone	36	0.23	27	0.15	69	0.04	69	0.01	
Kd of Th-230 in Unsaturated Zone 1	59	0.10	57	0.05	68	0.05	68	0.01	
Kd of Th-230 in Saturated Zone	61	-0.09	63	-0.04	11	-0.41	11	-0.09	
Kd of U-233 in Saturated Zone	58	-0.10	62	-0.04	55	-0.10	55	-0.02	
Kd of U-234 in Saturated Zone	37	0.22	26	0.15	28	0.30	26	0.06	
Kd of U-235 in Saturated Zone	6	0.50	5	0.34	12	-0.39	12	-0.08	
Kd of U-238 in Saturated Zone	78	0.02	78	0.01	73	0.02	73	0.00	
Plant transfer factor for Ac	56	0.12	55	0.05	10	0.46	10	0.10	
Meat transfer factor for Ac	79	0.01	79	0.01	22	0.33	23	0.07	
Milk transfer factor for Ac	19	-0.31	25	-0.15	52	0.14	53	0.03	
Fish transfer factor for Ac	20	-0.31	22	-0.16	75	-0.01	75	0.00	
Plant transfer factor for Am	26	-0.28	37	-0.11	17	0.37	17	0.08	
Meat transfer factor for Am	41	0.20	46	0.08	78	0.00	78	0.00	
Milk transfer factor for Am	22	-0.29	24	-0.15	53	-0.14	52	-0.03	
Fish transfer factor for Am	49	0.15	52	0.06	32	-0.28	32	-0.06	
Plant transfer factor for Pb	29	0.27	16	0.20	18	0.37	18	0.08	
Meat transfer factor for Pb	34	-0.23	40	-0.10	63	-0.07	63	-0.01	
Milk transfer factor for Pb	10	0.42	17	0.20	16	0.38	16	0.08	
Fish transfer factor for Pb	52	-0.13	33	-0.12	56	-0.10	56	-0.02	
Plant transfer factor for Np	45	0.16	48	0.07	25	0.32	25	0.07	
Meat transfer factor for Np	74	0.03	74	0.01	80	0.00	80	0.00	
Milk transfer factor for Np	48	0.15	49	0.07	77	0.00	77	0.00	
Fish transfer factor for Np	67	0.05	71	0.02	48	-0.17	48	-0.03	
Plant transfer factor for Pu	66	0.05	61	0.04	62	-0.07	62	-0.01	
Meat transfer factor for Pu	35	0.23	39	0.10	57	0.10	57	0.02	
Milk transfer factor for Pu	47	0.15	50	0.07	7	-0.50	7	-0.11	
Fish transfer factor for Pu	17	-0.32	20	-0.17	46	-0.18	46	-0.04	
Plant transfer factor for Pa	3	0.62	4	0.36	1	0.94	1	0.54	
Meat transfer factor for Pa	15	0.33	14	0.21	49	0.16	49	0.03	
Milk transfer factor for Pa	27	0.28	30	0.12	60	0.08	60	0.01	
Fish transfer factor for Pa	62	0.09	53	0.06	50	-0.16	50	-0.03	
Plant transfer factor for Ra	25	0.28	31	0.12	79	0.00	79	0.00	
Meat transfer factor for Ra	43	-0.17	54	-0.06	23	-0.33	24	-0.07	
Milk transfer factor for Ra	75	0.03	77	0.01	64	-0.07	64	-0.01	
Fish transfer factor for Ra	11	-0.42	15	-0.21	40	-0.23	40	-0.04	
Plant transfer factor for Tc	71	0.03	70	0.02	67	0.06	67	0.01	
Meat transfer factor for Tc	55	0.13	47	0.08	21	-0.34	20	-0.07	
Milk transfer factor for Tc	42	-0.18	43	-0.09	13	0.39	14	0.08	
Fish transfer factor for Tc	72	0.03	76	0.01	54	0.13	54	0.03	
Plant transfer factor for Th	28	-0.28	23	-0.16	9	-0.48	9	-0.11	
Meat transfer factor for Th	63	-0.07	68	-0.03	59	-0.08	59	-0.02	
Milk transfer factor for Th	39	-0.21	41	-0.09	24	0.33	22	0.07	
Fish transfer factor for Th	8	-0.47	9	-0.24	35	-0.26	35	-0.05	
Plant transfer factor for U	1	0.65	6	0.32	3	0.86	3	0.33	
Meat transfer factor for U	30	0.26	34	0.12	8	0.50	8	0.11	
Milk transfer factor for U	76	0.03	75	0.01	5	0.66	5	0.17	
Fish transfer factor for U	53	-0.13	51	-0.07	30	-0.29	30	-0.06	
Well pumping rate	23	0.28	36	0.11	45	0.19	45	0.04	
Mass loading for inhalation	5	0.52	7	0.27	29	0.30	29	0.06	
Indoor dust filtration factor	60	-0.09	64	-0.04	15	-0.38	15	-0.08	
Depth of soil mixing layer	80	-0.01	80	-0.01	74	0.02	74	0.00	
Depth of roots	4	-0.54	11	-0.23	2	-0.92	2	-0.44	
Wet weight crop yield of fruit, grain and non-leafy vegetables	7	0.48	10	0.23	42	-0.19	43	-0.04	
Weathering removal constant of all vegetation	50	-0.15	56	-0.05	20	-0.34	21	-0.07	
Wet foliar interception fraction of leafy vegetables	9	-0.43	12	-0.21	51	-0.15	51	-0.03	
R-SQUARE		0.93		0.93		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	7	0.42	1	1.04	44	0.12	45	0.04	
Kd of Ac-227 in Unsaturated Zone 1	51	-0.11	53	-0.07	16	-0.37	16	-0.12	
Kd of Ac-227 in Saturated Zone	4	-0.47	8	-0.27	43	-0.14	43	-0.04	
Kd of Am-241 in Contaminated Zone	18	0.29	18	0.19	30	-0.23	30	-0.07	
Kd of Am-241 in Unsaturated Zone 1	45	0.13	44	0.09	40	0.16	40	0.05	
Kd of Am-241 in Saturated Zone	28	0.25	14	0.22	80	0.00	80	0.00	
Kd of Np-237 in Contaminated Zone	50	-0.12	34	-0.15	21	-0.29	21	-0.09	
Kd of Np-237 in Unsaturated Zone 1	72	0.02	74	0.01	32	0.22	32	0.07	
Kd of Np-237 in Saturated Zone	78	0.00	79	0.00	24	0.26	24	0.08	
Kd of Pa-231 in Contaminated Zone	69	-0.04	65	-0.03	8	0.48	8	0.16	
Kd of Pa-231 in Unsaturated Zone 1	47	-0.13	47	-0.09	3	-0.69	3	-0.28	
Kd of Pa-231 in Saturated Zone	37	-0.19	5	-0.48	27	-0.24	27	-0.07	
Kd of Pb-210 in Contaminated Zone	43	-0.15	46	-0.09	71	0.04	71	0.01	
Kd of Pb-210 in Unsaturated Zone 1	2	-0.52	2	-0.96	79	-0.01	79	0.00	
Kd of Pb-210 in Saturated Zone	56	0.09	59	0.05	55	-0.09	55	-0.03	
Kd of Pu-239 in Contaminated Zone	64	0.05	45	0.09	15	0.40	15	0.13	
Kd of Pu-239 in Unsaturated Zone 1	63	-0.06	67	-0.03	63	-0.07	63	-0.02	
Kd of Pu-239 in Saturated Zone	77	0.01	78	0.00	60	0.08	61	0.02	
Kd of Ra-226 in Contaminated Zone	34	0.22	4	0.56	62	0.07	62	0.02	
Kd of Ra-226 in Unsaturated Zone 1	71	0.03	75	0.01	64	-0.07	64	-0.02	
Kd of Ra-226 in Saturated Zone	41	-0.16	42	-0.11	75	-0.02	75	-0.01	
Kd of Tc-99 in Saturated Zone	21	0.29	27	0.18	53	-0.09	53	-0.03	
Kd of Th-229 in Contaminated Zone	80	0.00	80	0.00	36	-0.18	36	-0.05	
Kd of Th-229 in Unsaturated Zone 1	30	-0.24	24	-0.18	41	-0.16	41	-0.05	
Kd of Th-229 in Saturated Zone	76	-0.01	63	-0.04	50	0.10	50	0.03	
Kd of Th-230 in Contaminated Zone	73	0.02	70	0.03	10	0.42	10	0.14	
Kd of Th-230 in Unsaturated Zone 1	19	0.29	12	0.23	13	0.41	13	0.13	
Kd of Th-230 in Saturated Zone	32	-0.23	40	-0.12	34	-0.20	34	-0.06	
Kd of U-233 in Saturated Zone	79	0.00	77	0.01	17	0.36	18	0.11	
Kd of U-234 in Saturated Zone	23	0.27	20	0.19	18	-0.36	17	-0.11	
Kd of U-235 in Saturated Zone	75	0.02	73	0.02	66	0.06	66	0.02	
Kd of U-238 in Saturated Zone	58	-0.08	58	-0.05	72	0.03	72	0.01	
Plant transfer factor for Ac	46	-0.13	49	-0.08	67	-0.06	67	-0.02	
Meat transfer factor for Ac	33	-0.23	39	-0.12	25	-0.26	25	-0.08	
Milk transfer factor for Ac	14	-0.32	15	-0.21	35	0.19	35	0.06	
Fish transfer factor for Ac	5	0.46	6	0.40	39	-0.17	39	-0.05	
Plant transfer factor for Am	20	-0.29	31	-0.15	23	-0.27	23	-0.08	
Meat transfer factor for Am	67	-0.05	68	-0.03	26	0.25	26	0.08	
Milk transfer factor for Am	15	0.31	21	0.19	77	-0.02	77	-0.01	
Fish transfer factor for Am	60	-0.08	61	-0.05	28	0.24	29	0.07	
Plant transfer factor for Pb	22	-0.28	16	-0.20	51	-0.10	51	-0.03	
Meat transfer factor for Pb	54	0.10	54	0.07	5	0.54	5	0.19	
Milk transfer factor for Pb	24	0.27	17	0.20	78	-0.01	78	0.00	
Fish transfer factor for Pb	52	0.11	57	0.06	9	-0.43	9	-0.14	
Plant transfer factor for Np	40	-0.17	43	-0.11	46	0.12	46	0.04	
Meat transfer factor for Np	62	-0.07	66	-0.03	22	0.27	22	0.08	
Milk transfer factor for Np	29	0.25	35	0.13	47	-0.12	47	-0.04	
Fish transfer factor for Np	6	0.42	10	0.25	70	0.04	70	0.01	
Plant transfer factor for Pu	74	0.02	76	0.01	73	-0.03	73	-0.01	
Meat transfer factor for Pu	61	0.07	64	0.04	42	0.15	42	0.05	
Milk transfer factor for Pu	16	-0.31	25	-0.18	38	-0.17	38	-0.05	
Fish transfer factor for Pu	57	0.08	60	0.05	54	0.09	54	0.03	
Plant transfer factor for Pa	1	0.66	3	0.57	1	0.86	1	0.50	
Meat transfer factor for Pa	55	0.10	51	0.07	69	-0.05	69	-0.01	
Milk transfer factor for Pa	66	-0.05	69	-0.03	74	0.03	74	0.01	
Fish transfer factor for Pa	70	0.03	72	0.02	33	-0.20	33	-0.06	
Plant transfer factor for Ra	59	0.08	62	0.05	11	-0.42	12	-0.14	
Meat transfer factor for Ra	3	-0.52	7	-0.34	12	-0.41	11	-0.14	
Milk transfer factor for Ra	42	0.16	41	0.12	61	0.08	59	0.02	
Fish transfer factor for Ra	11	-0.35	19	-0.19	7	-0.49	7	-0.16	
Plant transfer factor for Tc	25	0.27	30	0.16	57	-0.08	57	-0.02	
Meat transfer factor for Tc	13	-0.34	29	-0.16	59	0.08	58	0.02	
Milk transfer factor for Tc	12	-0.35	22	-0.19	45	-0.12	44	-0.04	
Fish transfer factor for Tc	31	-0.24	36	-0.13	20	-0.30	20	-0.09	
Plant transfer factor for Th	38	-0.19	32	-0.15	58	0.08	60	0.02	
Meat transfer factor for Th	49	-0.12	52	-0.07	49	0.11	49	0.03	
Milk transfer factor for Th	9	0.39	9	0.25	6	0.52	6	0.18	
Fish transfer factor for Th	65	-0.05	55	-0.06	68	0.06	68	0.02	
Plant transfer factor for U	8	0.41	11	0.24	4	0.67	4	0.27	
Meat transfer factor for U	39	-0.19	38	-0.13	19	0.34	19	0.11	
Milk transfer factor for U	36	-0.21	28	-0.17	31	0.23	31	0.07	
Fish transfer factor for U	53	0.11	56	0.06	56	0.08	56	0.03	
Well pumping rate	26	-0.26	26	-0.18	76	0.02	76	0.01	
Mass loading for inhalation	35	0.22	37	0.13	52	0.10	52	0.03	
Indoor dust filtration factor	27	0.25	33	0.15	48	0.12	48	0.04	
Depth of soil mixing layer	44	0.13	48	0.08	37	-0.18	37	-0.05	
Depth of roots	48	-0.12	50	-0.07	2	-0.80	2	-0.40	
Wet weight crop yield of fruit, grain and non-leafy vegetables	68	-0.04	71	-0.02	14	-0.40	14	-0.13	
Weathering removal constant of all vegetation	10	0.38	13	0.22	65	-0.06	65	-0.02	
Wet foliar interception fraction of leafy vegetables	17	-0.30	23	-0.19	29	-0.23	28	-0.07	
R-SQUARE		0.88		0.88		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 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
Kd of Ac-227 in Contaminated Zone		54	-0.08	52	-0.06	63	-0.15	63	-0.03
Kd of Ac-227 in Unsaturated Zone 1		20	-0.25	14	-0.29	79	-0.03	79	-0.01
Kd of Ac-227 in Saturated Zone		49	0.10	45	0.09	35	0.30	34	0.06
Kd of Am-241 in Contaminated Zone		50	-0.10	39	-0.13	43	-0.25	42	-0.05
Kd of Am-241 in Unsaturated Zone 1		66	0.04	68	0.03	59	-0.17	59	-0.03
Kd of Am-241 in Saturated Zone		35	0.19	11	0.33	53	0.20	53	0.04
Kd of Np-237 in Contaminated Zone		22	-0.24	18	-0.25	46	-0.23	46	-0.05
Kd of Np-237 in Unsaturated Zone 1		63	-0.05	64	-0.04	37	-0.27	37	-0.05
Kd of Np-237 in Saturated Zone		26	-0.23	17	-0.25	50	-0.21	51	-0.04
Kd of Pa-231 in Contaminated Zone		37	-0.17	21	-0.23	5	0.69	5	0.18
Kd of Pa-231 in Unsaturated Zone 1		62	-0.06	60	-0.05	6	-0.63	6	-0.16
Kd of Pa-231 in Saturated Zone		65	-0.05	61	-0.04	24	-0.37	24	-0.08
Kd of Pb-210 in Contaminated Zone		31	-0.21	8	-0.34	61	-0.16	60	-0.03
Kd of Pb-210 in Unsaturated Zone 1		33	0.20	10	0.33	57	0.18	58	0.03
Kd of Pb-210 in Saturated Zone		45	0.13	48	0.08	55	-0.18	55	-0.04
Kd of Pu-239 in Contaminated Zone		53	-0.08	53	-0.05	49	0.21	50	0.04
Kd of Pu-239 in Unsaturated Zone 1		8	-0.36	15	-0.25	11	-0.49	11	-0.11
Kd of Pu-239 in Saturated Zone		52	-0.09	59	-0.05	23	0.37	23	0.08
Kd of Ra-226 in Contaminated Zone		79	0.00	79	0.00	42	-0.25	43	-0.05
Kd of Ra-226 in Unsaturated Zone 1		3	0.55	6	0.38	9	0.51	9	0.11
Kd of Ra-226 in Saturated Zone		39	0.16	35	0.16	65	-0.13	65	-0.03
Kd of Tc-99 in Saturated Zone		64	0.05	66	0.03	67	-0.12	66	-0.02
Kd of Th-229 in Contaminated Zone		30	0.21	38	0.14	8	-0.54	8	-0.12
Kd of Th-229 in Unsaturated Zone 1		74	0.02	72	0.02	71	0.08	71	0.02
Kd of Th-229 in Saturated Zone		46	-0.12	2	-0.50	18	-0.41	18	-0.09
Kd of Th-230 in Contaminated Zone		43	-0.14	46	-0.09	76	-0.04	76	-0.01
Kd of Th-230 in Unsaturated Zone 1		10	0.34	9	0.33	48	0.21	48	0.04
Kd of Th-230 in Saturated Zone		76	-0.01	76	0.00	27	-0.34	27	-0.07
Kd of U-233 in Saturated Zone		69	-0.03	69	-0.02	74	0.06	74	0.01
Kd of U-234 in Saturated Zone		13	-0.32	25	-0.22	17	0.42	17	0.09
Kd of U-235 in Saturated Zone		28	-0.21	7	-0.38	29	-0.33	29	-0.07
Kd of U-238 in Saturated Zone		36	0.17	1	0.79	47	0.22	47	0.04
Plant transfer factor for Ac		18	0.28	24	0.22	20	0.40	19	0.08
Meat transfer factor for Ac		68	0.04	67	0.03	15	0.47	15	0.10
Milk transfer factor for Ac		73	0.03	71	0.02	21	-0.38	21	-0.08
Fish transfer factor for Ac		25	0.23	28	0.20	73	0.07	73	0.01
Plant transfer factor for Am		51	-0.09	55	-0.05	10	0.50	10	0.11
Meat transfer factor for Am		9	0.36	16	0.25	38	0.27	38	0.05
Milk transfer factor for Am		19	0.27	32	0.18	78	0.03	78	0.01
Fish transfer factor for Am		23	-0.24	30	-0.19	51	-0.21	49	-0.04
Plant transfer factor for Pb		21	-0.25	26	-0.21	66	-0.12	68	-0.02
Meat transfer factor for Pb		61	-0.06	54	-0.05	56	-0.18	56	-0.04
Milk transfer factor for Pb		72	0.03	74	0.02	45	0.23	45	0.05
Fish transfer factor for Pb		14	-0.31	27	-0.20	62	-0.16	62	-0.03
Plant transfer factor for Np		32	0.21	34	0.18	77	-0.03	77	-0.01
Meat transfer factor for Np		11	-0.33	22	-0.22	13	-0.48	13	-0.11
Milk transfer factor for Np		24	0.23	37	0.15	39	0.26	39	0.05
Fish transfer factor for Np		70	0.03	73	0.02	52	-0.20	52	-0.04
Plant transfer factor for Pu		67	0.04	70	0.02	60	0.16	61	0.03
Meat transfer factor for Pu		77	-0.01	77	0.00	16	0.45	16	0.10
Milk transfer factor for Pu		17	0.28	33	0.18	68	-0.11	67	-0.02
Fish transfer factor for Pu		7	-0.40	12	-0.32	32	0.32	32	0.06
Plant transfer factor for Pa		4	0.45	3	0.49	1	0.94	1	0.52
Meat transfer factor for Pa		47	0.12	41	0.12	25	0.35	25	0.07
Milk transfer factor for Pa		48	-0.12	50	-0.08	22	0.38	22	0.08
Fish transfer factor for Pa		40	0.15	44	0.09	34	0.31	35	0.06
Plant transfer factor for Ra		42	0.14	47	0.08	54	-0.19	54	-0.04
Meat transfer factor for Ra		16	-0.29	23	-0.22	44	0.24	44	0.05
Milk transfer factor for Ra		12	-0.33	31	-0.19	80	0.00	80	0.00
Fish transfer factor for Ra		34	-0.20	20	-0.24	14	-0.48	14	-0.10
Plant transfer factor for Tc		78	0.01	78	0.00	28	0.34	28	0.07
Meat transfer factor for Tc		5	0.44	13	0.32	72	0.07	72	0.01
Milk transfer factor for Tc		55	-0.08	57	-0.05	69	0.10	69	0.02
Fish transfer factor for Tc		59	-0.07	63	-0.04	19	-0.40	20	-0.08
Plant transfer factor for Th		41	0.15	42	0.11	7	0.56	7	0.13
Meat transfer factor for Th		57	-0.07	51	-0.07	41	0.25	41	0.05
Milk transfer factor for Th		6	0.40	19	0.24	33	-0.31	33	-0.06
Fish transfer factor for Th		71	-0.03	65	-0.04	70	-0.09	70	-0.02
Plant transfer factor for U		1	0.60	4	0.47	2	0.93	2	0.51
Meat transfer factor for U		75	-0.01	75	0.00	4	0.72	4	0.20
Milk transfer factor for U		56	-0.08	56	-0.05	12	0.49	12	0.11
Fish transfer factor for U		80	0.00	80	0.00	30	0.32	30	0.07
Well pumping rate		29	0.21	40	0.13	58	-0.18	57	-0.04
Mass loading for inhalation		60	0.06	58	0.05	75	-0.05	75	-0.01
Indoor dust filtration factor		27	-0.22	36	-0.15	26	0.35	26	0.07
Depth of soil mixing layer		44	-0.14	49	-0.08	40	-0.26	40	-0.05
Depth of roots		2	-0.57	5	-0.40	3	-0.85	3	-0.31
Wet weight crop yield of fruit, grain and non-leafy vegetables		15	0.30	29	0.19	31	-0.32	31	-0.07
Weathering removal constant of all vegetation		38	-0.16	43	-0.10	36	-0.30	36	-0.06
Wet foliar interception fraction of leafy vegetables		58	0.07	62	0.04	64	-0.15	64	-0.03
R-SQUARE		0.86		0.86		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 =		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	55	0.10	56	0.02	48	0.13	48	0.02	
Kd of Ac-227 in Unsaturated Zone 1	78	-0.01	79	0.00	64	-0.09	64	-0.01	
Kd of Ac-227 in Saturated Zone	27	0.28	36	0.04	22	-0.32	23	-0.04	
Kd of Am-241 in Contaminated Zone	47	0.15	48	0.03	52	-0.12	52	-0.01	
Kd of Am-241 in Unsaturated Zone 1	58	-0.09	53	-0.02	28	0.28	28	0.03	
Kd of Am-241 in Saturated Zone	16	0.39	10	0.11	74	-0.04	74	0.00	
Kd of Np-237 in Contaminated Zone	35	-0.23	26	-0.06	31	0.24	31	0.03	
Kd of Np-237 in Unsaturated Zone 1	65	-0.05	61	-0.02	53	-0.11	54	-0.01	
Kd of Np-237 in Saturated Zone	73	-0.02	74	0.00	77	-0.03	77	0.00	
Kd of Pa-231 in Contaminated Zone	62	0.06	54	0.02	11	-0.46	12	-0.06	
Kd of Pa-231 in Unsaturated Zone 1	19	0.33	8	0.12	59	-0.10	58	-0.01	
Kd of Pa-231 in Saturated Zone	63	0.06	62	0.02	25	0.29	26	0.04	
Kd of Pb-210 in Contaminated Zone	6	-0.51	9	-0.12	50	-0.12	50	-0.01	
Kd of Pb-210 in Unsaturated Zone 1	15	-0.39	20	-0.08	19	-0.35	20	-0.04	
Kd of Pb-210 in Saturated Zone	29	0.27	28	0.05	49	0.12	49	0.01	
Kd of Pu-239 in Contaminated Zone	20	0.33	22	0.07	70	-0.06	70	-0.01	
Kd of Pu-239 in Unsaturated Zone 1	13	0.40	2	0.21	61	0.10	61	0.01	
Kd of Pu-239 in Saturated Zone	69	-0.03	69	-0.01	23	-0.31	22	-0.04	
Kd of Ra-226 in Contaminated Zone	9	-0.47	15	-0.09	72	-0.05	72	-0.01	
Kd of Ra-226 in Unsaturated Zone 1	8	0.50	11	0.10	26	-0.29	25	-0.04	
Kd of Ra-226 in Saturated Zone	72	0.02	73	0.00	27	-0.28	27	-0.04	
Kd of Tc-99 in Saturated Zone	31	0.26	35	0.04	40	-0.17	40	-0.02	
Kd of Th-229 in Contaminated Zone	26	-0.28	19	-0.08	18	0.36	18	0.04	
Kd of Th-229 in Unsaturated Zone 1	33	-0.24	6	-0.14	66	0.08	66	0.01	
Kd of Th-229 in Saturated Zone	50	0.14	32	0.04	44	0.15	44	0.02	
Kd of Th-230 in Contaminated Zone	76	0.01	75	0.00	13	-0.44	13	-0.06	
Kd of Th-230 in Unsaturated Zone 1	21	-0.31	24	-0.07	79	0.01	79	0.00	
Kd of Th-230 in Saturated Zone	42	-0.18	44	-0.03	63	-0.09	63	-0.01	
Kd of U-233 in Saturated Zone	70	-0.03	70	-0.01	67	0.07	67	0.01	
Kd of U-234 in Saturated Zone	43	0.17	31	0.05	47	0.14	47	0.02	
Kd of U-235 in Saturated Zone	68	-0.04	68	-0.01	12	-0.46	11	-0.06	
Kd of U-238 in Saturated Zone	53	-0.11	57	-0.02	9	-0.48	9	-0.07	
Plant transfer factor for Ac	32	0.25	33	0.04	45	-0.14	45	-0.02	
Meat transfer factor for Ac	12	-0.44	17	-0.09	60	0.10	60	0.01	
Milk transfer factor for Ac	44	-0.16	45	-0.03	80	0.00	80	0.00	
Fish transfer factor for Ac	22	-0.28	25	-0.06	33	0.23	33	0.03	
Plant transfer factor for Am	24	-0.28	38	-0.04	32	-0.23	32	-0.03	
Meat transfer factor for Am	52	-0.11	55	-0.02	65	-0.09	65	-0.01	
Milk transfer factor for Am	64	0.05	65	0.01	6	-0.60	6	-0.09	
Fish transfer factor for Am	77	0.01	78	0.00	15	0.37	15	0.05	
Plant transfer factor for Pb	75	-0.02	72	0.00	24	0.31	24	0.04	
Meat transfer factor for Pb	61	-0.06	67	-0.01	14	-0.42	14	-0.05	
Milk transfer factor for Pb	60	0.09	63	0.01	57	0.10	57	0.01	
Fish transfer factor for Pb	30	-0.26	13	-0.09	8	0.49	8	0.07	
Plant transfer factor for Np	48	-0.14	47	-0.03	51	-0.12	51	-0.01	
Meat transfer factor for Np	54	0.10	58	0.02	20	-0.35	19	-0.04	
Milk transfer factor for Np	41	0.18	42	0.03	30	-0.25	30	-0.03	
Fish transfer factor for Np	18	0.34	27	0.06	36	0.20	36	0.02	
Plant transfer factor for Pu	39	0.20	23	0.07	43	-0.16	43	-0.02	
Meat transfer factor for Pu	34	-0.23	39	-0.04	21	0.33	21	0.04	
Milk transfer factor for Pu	59	0.09	59	0.02	5	-0.62	5	-0.09	
Fish transfer factor for Pu	67	0.05	66	0.01	58	0.10	59	0.01	
Plant transfer factor for Pa	37	-0.21	41	-0.04	17	0.36	16	0.05	
Meat transfer factor for Pa	17	0.38	14	0.09	56	0.11	55	0.01	
Milk transfer factor for Pa	79	-0.01	80	0.00	76	0.03	76	0.00	
Fish transfer factor for Pa	57	-0.09	49	-0.02	55	0.11	56	0.01	
Plant transfer factor for Ra	49	0.14	50	0.02	39	-0.18	39	-0.02	
Meat transfer factor for Ra	74	0.02	76	0.00	75	-0.03	75	0.00	
Milk transfer factor for Ra	7	0.51	12	0.10	10	0.48	10	0.06	
Fish transfer factor for Ra	36	-0.21	40	-0.04	42	-0.16	42	-0.02	
Plant transfer factor for Tc	80	-0.01	77	0.00	35	0.21	35	0.02	
Meat transfer factor for Tc	38	0.21	29	0.05	46	-0.14	46	-0.02	
Milk transfer factor for Tc	5	-0.56	7	-0.12	69	0.06	69	0.01	
Fish transfer factor for Tc	25	-0.28	34	-0.04	37	0.20	37	0.02	
Plant transfer factor for Th	46	-0.15	43	-0.03	41	-0.17	41	-0.02	
Meat transfer factor for Th	45	-0.15	52	-0.02	62	0.09	62	0.01	
Milk transfer factor for Th	11	-0.45	16	-0.09	54	-0.11	53	-0.01	
Fish transfer factor for Th	71	-0.03	71	0.00	78	0.02	78	0.00	
Plant transfer factor for U	1	0.99	1	0.93	1	0.99	1	0.77	
Meat transfer factor for U	4	0.68	4	0.16	4	0.92	4	0.27	
Milk transfer factor for U	3	0.70	3	0.18	3	0.94	3	0.32	
Fish transfer factor for U	66	0.05	64	0.01	71	0.05	71	0.01	
Well pumping rate	40	0.19	46	0.03	34	-0.21	34	-0.03	
Mass loading for inhalation	51	-0.12	51	-0.02	7	0.52	7	0.07	
Indoor dust filtration factor	10	0.45	18	0.08	16	-0.36	17	-0.05	
Depth of soil mixing layer	14	-0.40	21	-0.07	38	-0.19	38	-0.02	
Depth of roots	2	-0.74	5	-0.15	2	-0.94	2	-0.33	
Wet weight crop yield of fruit, grain and non-leafy vegetables	28	0.27	30	0.05	73	-0.04	73	0.00	
Weathering removal constant of all vegetation	23	-0.28	37	-0.04	68	0.07	68	0.01	
Wet foliar interception fraction of leafy vegetables	56	-0.09	60	-0.02	29	0.26	29	0.03	
R-SQUARE		0.99		0.99		0.99		0.99	

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

Coefficients for peak U-238 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	12	-0.31	3	-0.35	80	0.01	80	0.00
Kd of Ac-227 in Unsaturated Zone 1	53	0.11	55	0.03	31	-0.26	31	-0.03
Kd of Ac-227 in Saturated Zone	5	-0.43	16	-0.12	72	0.03	72	0.00
Kd of Am-241 in Contaminated Zone	16	-0.29	21	-0.09	59	0.12	59	0.01
Kd of Am-241 in Unsaturated Zone 1	52	-0.11	48	-0.04	6	0.48	7	0.06
Kd of Am-241 in Saturated Zone	28	-0.21	22	-0.09	44	0.17	44	0.02
Kd of Np-237 in Contaminated Zone	8	0.39	9	0.25	57	-0.13	57	-0.01
Kd of Np-237 in Unsaturated Zone 1	43	0.15	41	0.05	24	0.30	25	0.03
Kd of Np-237 in Saturated Zone	62	-0.07	67	-0.02	27	-0.28	27	-0.03
Kd of Pa-231 in Contaminated Zone	65	-0.07	58	-0.03	55	0.14	55	0.02
Kd of Pa-231 in Unsaturated Zone 1	71	0.04	72	0.01	8	-0.43	9	-0.05
Kd of Pa-231 in Saturated Zone	27	0.22	8	0.27	78	-0.01	78	0.00
Kd of Pb-210 in Contaminated Zone	4	0.43	13	0.14	62	0.10	62	0.01
Kd of Pb-210 in Unsaturated Zone 1	9	0.38	7	0.32	46	0.16	46	0.02
Kd of Pb-210 in Saturated Zone	54	-0.11	60	-0.03	15	-0.38	15	-0.05
Kd of Pu-239 in Contaminated Zone	73	-0.04	52	-0.03	26	0.29	26	0.03
Kd of Pu-239 in Unsaturated Zone 1	72	-0.04	73	-0.01	71	0.04	71	0.00
Kd of Pu-239 in Saturated Zone	36	-0.18	35	-0.06	49	-0.16	49	-0.02
Kd of Ra-226 in Contaminated Zone	19	-0.26	6	-0.32	33	-0.24	33	-0.03
Kd of Ra-226 in Unsaturated Zone 1	57	-0.11	56	-0.03	75	0.02	75	0.00
Kd of Ra-226 in Saturated Zone	56	0.11	50	0.04	17	0.37	17	0.04
Kd of Tc-99 in Saturated Zone	60	0.09	62	0.03	41	0.20	41	0.02
Kd of Th-229 in Contaminated Zone	26	-0.22	36	-0.05	54	0.14	54	0.02
Kd of Th-229 in Unsaturated Zone 1	42	-0.16	33	-0.06	74	-0.03	74	0.00
Kd of Th-229 in Saturated Zone	34	-0.19	4	-0.35	14	0.38	14	0.05
Kd of Th-230 in Contaminated Zone	78	0.02	74	0.01	64	0.08	64	0.01
Kd of Th-230 in Unsaturated Zone 1	13	-0.30	15	-0.12	58	-0.13	58	-0.01
Kd of Th-230 in Saturated Zone	37	0.18	42	0.05	48	-0.16	47	-0.02
Kd of U-233 in Saturated Zone	29	0.20	2	0.37	76	0.01	76	0.00
Kd of U-234 in Saturated Zone	17	-0.27	20	-0.09	39	-0.20	39	-0.02
Kd of U-235 in Saturated Zone	7	-0.40	11	-0.23	25	0.30	24	0.03
Kd of U-238 in Saturated Zone	69	0.05	70	0.02	18	-0.36	18	-0.04
Plant transfer factor for Ac	46	0.13	47	0.04	68	0.05	68	0.01
Meat transfer factor for Ac	79	0.01	79	0.00	61	-0.10	61	-0.01
Milk transfer factor for Ac	61	0.07	65	0.02	12	0.40	13	0.05
Fish transfer factor for Ac	44	-0.14	37	-0.05	51	-0.15	51	-0.02
Plant transfer factor for Am	76	0.03	78	0.01	30	-0.26	30	-0.03
Meat transfer factor for Am	15	0.29	19	0.10	40	0.20	40	0.02
Milk transfer factor for Am	14	-0.29	23	-0.08	19	0.36	19	0.04
Fish transfer factor for Am	40	-0.16	38	-0.05	43	-0.18	43	-0.02
Plant transfer factor for Pb	32	0.20	27	0.07	53	0.14	53	0.02
Meat transfer factor for Pb	63	0.07	64	0.02	37	-0.21	38	-0.02
Milk transfer factor for Pb	11	-0.35	14	-0.13	11	0.40	11	0.05
Fish transfer factor for Pb	35	-0.19	44	-0.05	69	0.04	70	0.00
Plant transfer factor for Np	70	0.05	71	0.01	56	0.14	56	0.02
Meat transfer factor for Np	31	0.20	40	0.05	42	0.19	42	0.02
Milk transfer factor for Np	41	-0.16	46	-0.04	29	0.27	29	0.03
Fish transfer factor for Np	10	-0.37	18	-0.10	45	-0.17	45	-0.02
Plant transfer factor for Pu	20	-0.26	30	-0.06	13	-0.39	12	-0.05
Meat transfer factor for Pu	33	-0.20	39	-0.05	50	-0.15	50	-0.02
Milk transfer factor for Pu	39	0.17	43	0.05	34	-0.24	34	-0.03
Fish transfer factor for Pu	64	0.07	66	0.02	63	-0.08	63	-0.01
Plant transfer factor for Pa	25	0.23	25	0.08	73	-0.03	73	0.00
Meat transfer factor for Pa	38	-0.17	29	-0.06	5	-0.52	5	-0.07
Milk transfer factor for Pa	48	-0.13	49	-0.04	79	0.01	79	0.00
Fish transfer factor for Pa	68	0.06	63	0.02	9	0.43	8	0.05
Plant transfer factor for Ra	58	0.10	59	0.03	16	0.37	16	0.04
Meat transfer factor for Ra	51	0.13	53	0.03	65	-0.08	65	-0.01
Milk transfer factor for Ra	45	-0.13	45	-0.05	38	0.21	37	0.02
Fish transfer factor for Ra	22	0.25	31	0.06	67	0.07	67	0.01
Plant transfer factor for Tc	74	-0.04	75	-0.01	28	0.28	28	0.03
Meat transfer factor for Tc	50	0.13	61	0.03	52	0.15	52	0.02
Milk transfer factor for Tc	47	0.13	54	0.03	36	0.22	36	0.03
Fish transfer factor for Tc	23	0.25	28	0.07	70	-0.04	69	0.00
Plant transfer factor for Th	18	0.27	17	0.10	20	0.34	21	0.04
Meat transfer factor for Th	30	-0.20	34	-0.06	23	0.32	23	0.04
Milk transfer factor for Th	24	-0.24	26	-0.07	47	0.16	48	0.02
Fish transfer factor for Th	59	-0.09	32	-0.06	21	0.34	20	0.04
Plant transfer factor for U	1	0.96	1	0.87	1	0.99	1	0.80
Meat transfer factor for U	6	0.40	12	0.14	4	0.89	4	0.22
Milk transfer factor for U	3	0.54	10	0.25	3	0.96	3	0.36
Fish transfer factor for U	66	-0.07	68	-0.02	77	-0.01	77	0.00
Well pumping rate	80	-0.01	80	0.00	7	-0.48	6	-0.06
Mass loading for inhalation	55	-0.11	57	-0.03	60	0.12	60	0.01
Indoor dust filtration factor	49	0.13	51	0.03	66	-0.07	66	-0.01
Depth of soil mixing layer	77	0.03	77	0.01	22	-0.33	22	-0.04
Depth of roots	2	-0.77	5	-0.34	2	-0.96	2	-0.36
Wet weight crop yield of fruit, grain and non-leafy vegetables	75	0.03	76	0.01	32	-0.26	32	-0.03
Weathering removal constant of all vegetation	67	-0.06	69	-0.02	35	0.23	35	0.03
Wet foliar interception fraction of leafy vegetables	21	-0.26	24	-0.08	10	-0.42	10	-0.05
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 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		24	-0.29	26	-0.04	19	0.37	19	0.05
Kd of Ac-227 in Unsaturated Zone 1		56	-0.12	43	-0.02	12	0.42	12	0.06
Kd of Ac-227 in Saturated Zone		77	0.02	76	0.00	28	0.32	27	0.04
Kd of Am-241 in Contaminated Zone		11	-0.38	4	-0.10	41	-0.19	41	-0.02
Kd of Am-241 in Unsaturated Zone 1		4	-0.67	5	-0.10	75	-0.04	75	-0.01
Kd of Am-241 in Saturated Zone		26	0.27	9	0.09	37	-0.24	37	-0.03
Kd of Np-237 in Contaminated Zone		51	0.14	41	0.03	24	-0.33	24	-0.04
Kd of Np-237 in Unsaturated Zone 1		25	-0.27	30	-0.04	79	0.01	79	0.00
Kd of Np-237 in Saturated Zone		22	-0.30	14	-0.06	80	0.01	80	0.00
Kd of Pa-231 in Contaminated Zone		73	-0.03	66	-0.01	25	-0.32	26	-0.04
Kd of Pa-231 in Unsaturated Zone 1		46	-0.15	46	-0.02	21	0.35	21	0.05
Kd of Pa-231 in Saturated Zone		59	0.10	57	0.02	32	0.29	32	0.04
Kd of Pb-210 in Contaminated Zone		80	0.00	80	0.00	65	-0.08	65	-0.01
Kd of Pb-210 in Unsaturated Zone 1		65	-0.05	56	-0.02	76	-0.04	76	-0.01
Kd of Pb-210 in Saturated Zone		10	-0.40	17	-0.05	54	0.12	53	0.02
Kd of Pu-239 in Contaminated Zone		64	0.05	65	0.01	78	-0.01	78	0.00
Kd of Pu-239 in Unsaturated Zone 1		78	-0.01	77	0.00	29	-0.31	29	-0.04
Kd of Pu-239 in Saturated Zone		8	0.50	16	0.06	6	0.51	6	0.07
Kd of Ra-226 in Contaminated Zone		39	0.17	52	0.02	10	0.44	10	0.06
Kd of Ra-226 in Unsaturated Zone 1		18	-0.34	25	-0.04	40	0.20	40	0.03
Kd of Ra-226 in Saturated Zone		75	-0.02	73	0.00	17	-0.40	16	-0.06
Kd of Tc-99 in Saturated Zone		43	0.16	48	0.02	77	0.04	77	0.00
Kd of Th-229 in Contaminated Zone		15	0.36	19	0.05	14	-0.41	13	-0.06
Kd of Th-229 in Unsaturated Zone 1		79	0.00	79	0.00	26	0.32	25	0.04
Kd of Th-229 in Saturated Zone		63	-0.06	20	-0.04	30	-0.30	31	-0.04
Kd of Th-230 in Contaminated Zone		6	0.60	8	0.09	16	0.41	17	0.06
Kd of Th-230 in Unsaturated Zone 1		12	-0.38	11	-0.07	57	-0.11	57	-0.01
Kd of Th-230 in Saturated Zone		37	0.20	47	0.02	68	0.08	68	0.01
Kd of U-233 in Saturated Zone		44	0.15	45	0.02	13	0.41	14	0.06
Kd of U-234 in Saturated Zone		66	0.05	67	0.01	20	0.35	20	0.05
Kd of U-235 in Saturated Zone		35	-0.22	10	-0.07	34	-0.27	34	-0.03
Kd of U-238 in Saturated Zone		61	0.07	15	0.06	5	-0.54	5	-0.08
Plant transfer factor for Ac		33	0.24	31	0.03	72	0.05	72	0.01
Meat transfer factor for Ac		36	-0.21	33	-0.03	74	-0.04	74	-0.01
Milk transfer factor for Ac		52	0.13	55	0.02	18	-0.39	18	-0.05
Fish transfer factor for Ac		30	0.25	24	0.04	61	0.09	61	0.01
Plant transfer factor for Am		23	-0.29	36	-0.03	27	0.32	28	0.04
Meat transfer factor for Am		48	-0.14	50	-0.02	64	-0.08	63	-0.01
Milk transfer factor for Am		34	-0.23	39	-0.03	45	0.18	45	0.02
Fish transfer factor for Am		32	-0.25	29	-0.04	46	0.17	46	0.02
Plant transfer factor for Pb		38	0.19	37	0.03	44	0.19	44	0.02
Meat transfer factor for Pb		40	-0.17	42	-0.02	58	0.10	58	0.01
Milk transfer factor for Pb		58	-0.10	62	-0.01	73	-0.05	73	-0.01
Fish transfer factor for Pb		16	-0.36	22	-0.04	51	0.13	51	0.02
Plant transfer factor for Np		27	0.26	21	0.04	39	-0.21	39	-0.03
Meat transfer factor for Np		68	-0.04	69	0.00	53	-0.12	54	-0.02
Milk transfer factor for Np		57	-0.12	61	-0.01	56	0.11	56	0.01
Fish transfer factor for Np		42	0.16	51	0.02	60	-0.09	60	-0.01
Plant transfer factor for Pu		20	0.31	35	0.03	49	-0.14	49	-0.02
Meat transfer factor for Pu		50	-0.14	54	-0.02	35	-0.27	35	-0.03
Milk transfer factor for Pu		55	-0.12	60	-0.01	11	-0.43	11	-0.06
Fish transfer factor for Pu		28	0.26	27	0.04	67	0.08	67	0.01
Plant transfer factor for Pa		74	-0.02	72	0.00	47	-0.17	47	-0.02
Meat transfer factor for Pa		54	0.12	44	0.02	71	-0.06	71	-0.01
Milk transfer factor for Pa		13	-0.37	18	-0.05	38	0.21	38	0.03
Fish transfer factor for Pa		62	0.07	64	0.01	23	-0.34	23	-0.04
Plant transfer factor for Ra		49	-0.14	58	-0.02	63	0.08	64	0.01
Meat transfer factor for Ra		9	0.43	13	0.06	9	0.45	9	0.06
Milk transfer factor for Ra		29	0.26	40	0.03	43	0.19	43	0.02
Fish transfer factor for Ra		47	0.15	34	0.03	33	-0.28	33	-0.04
Plant transfer factor for Tc		14	0.36	23	0.04	22	0.35	22	0.05
Meat transfer factor for Tc		70	-0.03	74	0.00	50	0.14	50	0.02
Milk transfer factor for Tc		67	-0.05	68	-0.01	31	-0.29	30	-0.04
Fish transfer factor for Tc		45	0.15	53	0.02	55	0.11	55	0.01
Plant transfer factor for Th		69	-0.03	71	0.00	42	0.19	42	0.02
Meat transfer factor for Th		71	0.03	70	0.00	52	0.13	52	0.02
Milk transfer factor for Th		76	0.02	78	0.00	8	-0.48	8	-0.07
Fish transfer factor for Th		17	0.34	7	0.09	36	-0.25	36	-0.03
Plant transfer factor for U		1	0.99	1	0.96	1	0.99	1	0.88
Meat transfer factor for U		5	0.62	6	0.10	4	0.86	4	0.21
Milk transfer factor for U		2	0.83	2	0.17	2	0.93	2	0.32
Fish transfer factor for U		21	-0.30	32	-0.03	70	0.07	70	0.01
Well pumping rate		7	-0.52	12	-0.07	7	-0.48	7	-0.07
Mass loading for inhalation		72	0.03	75	0.00	15	0.41	15	0.06
Indoor dust filtration factor		53	0.12	59	0.01	48	0.16	48	0.02
Depth of soil mixing layer		31	-0.25	38	-0.03	59	0.10	59	0.01
Depth of roots		3	-0.83	3	-0.16	3	-0.91	3	-0.28
Wet weight crop yield of fruit, grain and non-leafy vegetables		41	0.17	49	0.02	69	0.07	69	0.01
Weathering removal constant of all vegetation		19	-0.32	28	-0.04	66	-0.08	66	-0.01
Wet foliar interception fraction of leafy vegetables		60	0.08	63	0.01	62	0.09	62	0.01
R-SQUARE			1.00		1.00		0.99		0.99

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