

Table of Contents

Part VI: Uncertainty Analysis

=====

ORESAD Uncertainty Analysis Results

Probabilistic Input	2
Total Dose	4
Total Risk	6
Dose vs Pathway: Ground External	8
Dose vs Pathway: Inhalation (w/o Radon)	10
Dose vs Pathway: Radon (Water Ind.)	12
Dose vs Pathway: Plant (Water Ind.)	14
Dose vs Pathway: Meat (Water Ind.)	16
Dose vs Pathway: Milk (Water Ind.)	18
Dose vs Pathway: Soil Ingestion	20
Dose vs Pathway: Water Ingestion	22
Dose vs Pathway: Fish Ingestion	24
Dose vs Pathway: Radon (Water Dep.)	26
Dose vs Pathway: Plant (Water Dep.)	28
Dose vs Pathway: Meat (Water Dep.)	30
Dose vs Pathway: Milk (Water Dep.)	32
Cumulative Probability Summary.....	34
Summary of dose at graphical times, reptition 1.....	35
Summary of dose at graphical times, reptition 2.....	36
Summary of dose at graphical times, reptition 3.....	37
Peak of the mean dose at graphical times.....	38
Correlation and Regression coefficients (if any).....	39

Probabilistic Input

Number of Sample Runs: 300

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

Probabilistic Input (cont.)

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

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

ONuclide (j)	Peak Time	Peak Dose	Probabilistic Total Dose Summary								
			t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241											
Min	0.00E+00	2.78E-17	7.77E-24	2.29E-23	5.17E-23	1.38E-22	2.98E-22	1.42E-21	1.91E-20	2.78E-17	
Max	1.00E+03	3.89E-01	2.99E-03	2.99E-03	2.98E-03	2.95E-03	2.88E-03	1.56E-01	3.49E-01	3.72E-02	
Avg	3.74E+02	2.78E-03	2.03E-04	2.03E-04	2.02E-04	2.00E-04	1.97E-04	7.16E-04	2.39E-03	3.24E-04	
Std	4.34E+02	3.02E-02	3.19E-04	3.19E-04	3.18E-04	3.15E-04	3.10E-04	9.01E-03	2.67E-02	2.41E-03	
Np-237											
Min	0.00E+00	6.20E-13	1.92E-15	1.88E-15	1.79E-15	1.53E-15	1.07E-15	2.91E-16	7.35E-16	6.20E-13	
Max	1.00E+03	3.88E+02	2.01E+00	2.01E+00	2.01E+00	1.70E+02	1.87E+02	1.04E+02	9.00E+01	6.94E+01	
Avg	6.13E+02	1.51E+01	1.88E-01	1.87E-01	1.85E-01	8.50E-01	2.05E+00	3.52E+00	3.54E+00	2.44E+00	
Std	4.08E+02	4.33E+01	2.82E-01	2.81E-01	2.80E-01	9.94E+00	1.57E+01	1.27E+01	8.26E+00	5.08E+00	
Pu-239											
Min	0.00E+00	1.08E-16	2.46E-22	2.49E-22	2.55E-22	2.76E-22	3.45E-22	7.57E-22	7.20E-21	1.08E-16	
Max	1.00E+03	5.35E-03	4.50E-03	4.50E-03	4.50E-03	4.51E-03	4.53E-03	4.59E-03	4.77E-03	5.35E-03	
Avg	9.67E+02	5.07E-04	2.97E-04	2.98E-04	2.98E-04	2.99E-04	3.01E-04	3.10E-04	3.38E-04	5.01E-04	
Std	1.71E+02	7.19E-04	5.01E-04	5.01E-04	5.01E-04	5.02E-04	5.04E-04	5.13E-04	5.38E-04	7.18E-04	
Ra-228											
Min	0.00E+00	2.53E-08	6.93E-09	1.66E-08	2.45E-08	1.73E-08	1.90E-09	6.42E-13	7.16E-23	0.00E+00	
Max	6.63E+01	4.45E+00	4.45E+00	3.95E+00	3.11E+00	1.34E+00	1.21E-01	2.68E-05	9.71E-16	0.00E+00	
Avg	2.12E+00	3.22E-01	3.22E-01	2.87E-01	2.27E-01	9.86E-02	8.95E-03	2.01E-06	7.55E-17	0.00E+00	
Std	6.40E+00	5.42E-01	5.42E-01	4.81E-01	3.79E-01	1.64E-01	1.48E-02	3.29E-06	1.19E-16	0.00E+00	
Tc-99											
Min	1.00E+03	1.73E-19	1.04E-28	1.06E-28	1.11E-28	1.28E-28	1.96E-28	8.67E-28	6.06E-26	1.73E-19	
Max	1.00E+03	5.18E+00	4.64E+00	4.64E+00	4.64E+00	4.65E+00	4.66E+00	4.71E+00	4.84E+00	5.18E+00	
Avg	1.00E+03	2.30E-01	1.66E-01	1.66E-01	1.66E-01	1.67E-01	1.68E-01	1.72E-01	1.84E-01	2.30E-01	
Std	0.00E+00	4.05E-01	3.61E-01	3.61E-01	3.61E-01	3.61E-01	3.63E-01	3.66E-01	3.77E-01	4.05E-01	
Th-228											
Min	0.00E+00	3.64E-08	3.64E-08	2.51E-08	1.20E-08	8.88E-10	5.28E-13	2.70E-24	0.00E+00	0.00E+00	
Max	0.00E+00	4.64E-02	4.64E-02	3.23E-02	1.57E-02	1.24E-03	5.57E-06	4.10E-16	0.00E+00	0.00E+00	
Avg	0.00E+00	3.66E-03	3.66E-03	2.55E-03	1.23E-03	9.79E-05	8.85E-08	2.07E-18	0.00E+00	0.00E+00	
Std	0.00E+00	5.90E-03	5.90E-03	4.11E-03	1.99E-03	1.58E-04	3.37E-07	2.36E-17	0.00E+00	0.00E+00	
Th-232											
Min	1.16E+01	8.70E-06	2.94E-10	1.77E-09	7.00E-09	2.64E-08	4.30E-08	3.87E-08	2.48E-08	1.17E-23	
Max	1.00E+03	6.36E+00	3.36E-01	7.71E-01	1.62E+00	3.40E+00	4.65E+00	4.89E+00	5.22E+00	6.36E+00	
Avg	9.47E+02	5.86E-01	3.31E-02	6.97E-02	1.31E-01	2.62E-01	3.53E-01	3.70E-01	4.02E-01	5.66E-01	
Std	2.10E+02	7.89E-01	4.39E-02	1.02E-01	2.03E-01	4.20E-01	5.71E-01	5.96E-01	6.30E-01	7.85E-01	
U-234											
Min	1.00E+03	2.09E-06	6.86E-16	4.78E-15	2.51E-14	2.18E-13	1.72E-12	3.79E-11	1.15E-09	2.09E-06	
Max	1.00E+03	2.12E+01	1.62E+01	1.63E+01	1.63E+01	1.63E+01	1.64E+01	1.67E+01	1.77E+01	2.12E+01	
Avg	1.00E+03	2.75E+00	1.40E+00	1.40E+00	1.40E+00	1.41E+00	1.42E+00	1.48E+00	1.66E+00	2.75E+00	
Std	0.00E+00	3.08E+00	2.19E+00	2.19E+00	2.20E+00	2.20E+00	2.21E+00	2.26E+00	2.40E+00	3.08E+00	
U-235											
Min	9.35E+02	1.16E-09	7.14E-16	7.34E-16	7.99E-16	1.29E-15	4.47E-15	3.43E-14	4.29E-13	1.16E-09	
Max	1.00E+03	7.25E+01	1.18E+00	1.18E+00	1.18E+00	1.18E+00	1.77E+00	1.65E+01	7.17E+01	7.25E+01	
Avg	1.00E+03	2.33E+00	1.02E-01	1.02E-01	1.03E-01	1.07E-01	1.23E-01	2.24E-01	7.54E-01	2.33E+00	
Std	3.76E+00	6.88E+00	1.59E-01	1.59E-01	1.60E-01	1.63E-01	1.95E-01	9.74E-01	4.70E+00	6.88E+00	
U-238											
Min	1.00E+03	1.32E-06	1.63E-10	1.65E-10	1.68E-10	1.79E-10	2.14E-10	4.01E-10	2.42E-09	1.32E-06	
Max	1.00E+03	9.84E+00	7.82E+00	7.83E+00	7.83E+00	7.85E+00	7.89E+00	8.05E+00	8.48E+00	9.84E+00	
Avg	1.00E+03	1.04E+00	6.75E-01	6.76E-01	6.76E-01	6.79E-01	6.85E-01	7.09E-01	7.79E-01	1.04E+00	
Std	0.00E+00	1.37E+00	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.07E+00	1.09E+00	1.15E+00	1.37E+00	

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

0 Probabilistic Total Dose Summary (cont.)

Nuclide (j)	Peak Time	Peak Dose	DOSE(j,t), mrem/yr								
			t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03	
-ALL											
Min	1.63E+01	2.97E-05	4.38E-08	4.36E-08	4.36E-08	4.52E-08	4.52E-08	3.91E-08	2.90E-08	2.97E-05	
Max	1.00E+03	3.94E+02	2.61E+01	2.62E+01	2.62E+01	1.76E+02	1.90E+02	1.13E+02	9.37E+01	8.14E+01	
Avg	8.20E+02	2.12E+01	2.89E+00	2.89E+00	2.90E+00	3.57E+00	4.81E+00	6.48E+00	7.32E+00	9.36E+00	
Std	3.19E+02	4.35E+01	3.81E+00	3.82E+00	3.82E+00	1.08E+01	1.62E+01	1.32E+01	1.05E+01	9.72E+00	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	

-ALL is total dose summed for all nuclides.

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

ONuclide (j)	t=	Probabilistic Risk Summary							
		RISK(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	3.37E-28	9.77E-28	2.89E-27	6.44E-27	3.08E-26	4.16E-25	6.05E-22
Max		3.31E-09	3.30E-09	3.29E-09	3.26E-09	3.18E-09	1.61E-07	3.62E-07	3.86E-08
Avg		2.25E-10	2.24E-10	2.23E-10	2.21E-10	2.17E-10	7.47E-10	2.41E-09	3.25E-10
Std		3.53E-10	3.52E-10	3.51E-10	3.48E-10	3.41E-10	9.27E-09	2.69E-08	2.47E-09
Np-237									
Min		4.24E-20	4.15E-20	3.96E-20	3.38E-20	2.36E-20	6.44E-21	1.65E-20	1.40E-17
Max		1.24E-06	1.24E-06	1.24E-06	7.72E-05	9.64E-05	5.05E-05	5.21E-05	3.83E-05
Avg		1.16E-07	1.15E-07	1.14E-07	3.74E-07	1.07E-06	1.83E-06	1.88E-06	1.31E-06
Std		1.73E-07	1.73E-07	1.72E-07	4.45E-06	8.12E-06	6.51E-06	4.56E-06	2.78E-06
Pu-239									
Min		4.98E-27	5.03E-27	5.15E-27	5.57E-27	6.97E-27	1.53E-26	1.46E-25	2.19E-21
Max		6.63E-09	6.63E-09	6.64E-09	6.65E-09	6.67E-09	6.77E-09	7.04E-09	7.89E-09
Avg		4.39E-10	4.39E-10	4.39E-10	4.40E-10	4.44E-10	4.57E-10	4.99E-10	7.28E-10
Std		7.38E-10	7.38E-10	7.39E-10	7.40E-10	7.44E-10	7.56E-10	7.94E-10	1.03E-09
Ra-228									
Min		4.54E-15	2.90E-13	5.42E-13	4.18E-13	4.61E-14	1.56E-17	1.73E-27	0.00E+00
Max		1.40E-04	1.24E-04	9.79E-05	4.22E-05	3.82E-06	8.46E-10	3.06E-20	0.00E+00
Avg		1.01E-05	9.02E-06	7.11E-06	3.08E-06	2.80E-07	6.28E-11	2.36E-21	0.00E+00
Std		1.70E-05	1.52E-05	1.19E-05	5.15E-06	4.66E-07	1.03E-10	3.75E-21	0.00E+00
Tc-99									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-24
Max		3.81E-04	3.81E-04	3.82E-04	3.82E-04	3.83E-04	3.87E-04	3.97E-04	4.26E-04
Avg		1.37E-05	1.37E-05	1.37E-05	1.37E-05	1.38E-05	1.42E-05	1.51E-05	1.89E-05
Std		2.97E-05	2.97E-05	2.97E-05	2.97E-05	2.98E-05	3.01E-05	3.09E-05	3.32E-05
Th-228									
Min		1.00E-12	6.91E-13	3.29E-13	2.44E-14	1.45E-17	7.43E-29	0.00E+00	0.00E+00
Max		8.67E-07	6.04E-07	2.93E-07	2.32E-08	9.03E-11	6.97E-21	0.00E+00	0.00E+00
Avg		6.83E-08	4.76E-08	2.31E-08	1.83E-09	1.61E-12	3.63E-23	0.00E+00	0.00E+00
Std		1.10E-07	7.68E-08	3.72E-08	2.95E-09	5.55E-12	4.01E-22	0.00E+00	0.00E+00
Th-232									
Min		0.00E+00	1.92E-14	1.27E-13	5.83E-13	9.86E-13	8.90E-13	5.72E-13	3.33E-28
Max		2.73E-07	1.53E-05	4.20E-05	9.81E-05	1.37E-04	1.45E-04	1.55E-04	1.89E-04
Avg		2.15E-08	1.13E-06	3.07E-06	7.14E-06	9.99E-06	1.05E-05	1.14E-05	1.59E-05
Std		3.47E-08	1.87E-06	5.12E-06	1.19E-05	1.67E-05	1.75E-05	1.85E-05	2.29E-05
U-234									
Min		5.12E-29	4.70E-20	4.20E-19	4.53E-18	3.82E-17	8.56E-16	2.60E-14	4.77E-11
Max		1.64E-04	1.65E-04	1.65E-04	1.65E-04	1.66E-04	1.69E-04	1.79E-04	2.17E-04
Avg		1.42E-05	1.42E-05	1.42E-05	1.43E-05	1.44E-05	1.50E-05	1.68E-05	2.90E-05
Std		2.22E-05	2.22E-05	2.22E-05	2.23E-05	2.24E-05	2.29E-05	2.43E-05	3.17E-05
U-235									
Min		1.52E-20	1.56E-20	1.68E-20	2.71E-20	9.68E-20	7.60E-19	9.53E-18	2.52E-14
Max		1.29E-05	1.29E-05	1.29E-05	1.29E-05	1.30E-05	1.38E-05	4.28E-05	5.89E-05
Avg		1.11E-06	1.11E-06	1.12E-06	1.12E-06	1.14E-06	1.25E-06	1.71E-06	3.33E-06
Std		1.74E-06	1.74E-06	1.74E-06	1.75E-06	1.77E-06	1.94E-06	3.47E-06	6.15E-06
U-238									
Min		3.71E-15	3.74E-15	3.81E-15	4.06E-15	4.85E-15	9.11E-15	5.50E-14	3.00E-11
Max		1.05E-04	1.05E-04	1.05E-04	1.06E-04	1.06E-04	1.08E-04	1.14E-04	1.32E-04
Avg		9.09E-06	9.10E-06	9.11E-06	9.14E-06	9.23E-06	9.55E-06	1.05E-05	1.40E-05
Std		1.42E-05	1.42E-05	1.42E-05	1.43E-05	1.43E-05	1.46E-05	1.55E-05	1.85E-05

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

0 Probabilistic Risk Summary(cont.)

Nuclide (j)	RISK(j,t)								
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03	
-ALL									
Min	1.01E-12	1.00E-12	1.00E-12	1.03E-12	1.04E-12	9.00E-13	6.66E-13	6.80E-10	
Max	4.49E-04	4.49E-04	4.49E-04	4.49E-04	4.51E-04	4.56E-04	4.70E-04	5.14E-04	
Avg	4.84E-05	4.84E-05	4.84E-05	4.88E-05	4.99E-05	5.22E-05	5.75E-05	8.25E-05	
Std	5.88E-05	5.88E-05	5.88E-05	5.92E-05	5.98E-05	6.01E-05	6.30E-05	7.45E-05	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total risk summed for all nuclides.

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

0 Probabilistic Dose vs Pathway(i): Ground External

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

Am-241									
Min		7.75E-24	2.28E-23	5.10E-23	1.33E-22	2.84E-22	5.20E-22	1.23E-21	2.32E-19
Max		7.92E-24	2.40E-23	5.72E-23	1.86E-22	6.74E-22	4.87E-21	1.38E-19	1.25E-15
Avg		7.90E-24	2.39E-23	5.67E-23	1.80E-22	6.27E-22	4.06E-21	9.59E-20	6.05E-16
Std		0.00E+00	0.00E+00	0.00E+00	9.42E-24	7.83E-23	1.06E-21	4.20E-20	4.40E-16
Np-237									
Min		1.89E-15	1.79E-15	1.60E-15	1.09E-15	3.61E-16	1.99E-17	2.03E-16	1.56E-13
Max		1.95E-15	1.98E-15	2.02E-15	2.20E-15	2.80E-15	6.51E-15	7.28E-14	3.13E-10
Avg		1.95E-15	1.96E-15	1.99E-15	2.10E-15	2.49E-15	4.99E-15	4.49E-14	1.34E-10
Std		1.01E-17	2.99E-17	6.84E-17	1.93E-16	5.05E-16	1.90E-15	2.59E-14	1.17E-10
Pu-239									
Min		2.46E-22	2.49E-22	2.54E-22	2.73E-22	3.37E-22	7.00E-22	5.70E-21	8.98E-18
Max		2.47E-22	2.50E-22	2.57E-22	2.83E-22	3.72E-22	9.68E-22	1.49E-20	2.13E-16
Avg		2.47E-22	2.50E-22	2.57E-22	2.82E-22	3.71E-22	9.59E-22	1.46E-20	1.98E-16
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-24	2.52E-23	9.63E-22	2.90E-17
Ra-228									
Min		6.87E-09	1.63E-08	2.36E-08	1.60E-08	1.72E-09	5.83E-13	7.09E-23	0.00E+00
Max		6.96E-09	1.68E-08	2.51E-08	1.82E-08	2.02E-09	6.83E-13	8.31E-23	0.00E+00
Avg		6.96E-09	1.67E-08	2.51E-08	1.82E-08	2.01E-09	6.81E-13	8.25E-23	0.00E+00
Std		6.53E-12	3.60E-11	1.11E-10	1.65E-10	2.25E-11	8.17E-15	0.00E+00	0.00E+00
Tc-99									
Min		1.04E-28	1.06E-28	1.11E-28	1.28E-28	1.96E-28	8.67E-28	6.06E-26	1.73E-19
Max		1.04E-28	1.06E-28	1.11E-28	1.28E-28	1.96E-28	8.67E-28	6.06E-26	1.73E-19
Avg		1.04E-28	1.06E-28	1.11E-28	1.28E-28	1.96E-28	8.67E-28	6.06E-26	1.73E-19
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228									
Min		3.60E-08	2.42E-08	1.09E-08	6.76E-10	2.38E-13	1.95E-25	0.00E+00	0.00E+00
Max		3.67E-08	2.57E-08	1.26E-08	1.04E-09	8.46E-13	1.28E-23	0.00E+00	0.00E+00
Avg		3.67E-08	2.57E-08	1.26E-08	1.04E-09	8.37E-13	1.25E-23	0.00E+00	0.00E+00
Std		5.24E-11	1.13E-10	1.27E-10	2.84E-11	5.12E-14	0.00E+00	0.00E+00	0.00E+00
Th-232									
Min		2.91E-10	1.73E-09	6.63E-09	2.15E-08	1.87E-08	8.83E-10	8.83E-14	8.90E-28
Max		2.95E-10	1.78E-09	7.11E-09	2.76E-08	5.12E-08	8.34E-08	3.00E-07	2.70E-05
Avg		2.95E-10	1.78E-09	7.10E-09	2.75E-08	5.08E-08	8.14E-08	2.86E-07	2.47E-05
Std		3.26E-13	4.22E-12	3.71E-11	4.34E-10	2.35E-09	8.21E-09	4.53E-08	5.79E-06
U-234									
Min		6.86E-16	4.78E-15	2.51E-14	2.18E-13	1.72E-12	1.77E-11	2.86E-10	1.74E-07
Max		6.92E-16	4.88E-15	2.61E-14	2.46E-13	2.41E-12	4.40E-11	1.74E-09	3.49E-06
Avg		6.92E-16	4.87E-15	2.61E-14	2.46E-13	2.40E-12	4.35E-11	1.69E-09	3.31E-06
Std		4.53E-19	6.79E-18	7.93E-17	2.12E-15	5.32E-14	2.31E-12	1.61E-10	5.07E-07
U-235									
Min		7.14E-16	7.33E-16	7.97E-16	1.22E-15	3.34E-15	1.30E-14	1.23E-13	8.47E-10
Max		7.14E-16	7.34E-16	8.02E-16	1.33E-15	5.40E-15	5.74E-14	1.52E-12	6.14E-09
Avg		7.14E-16	7.34E-16	8.02E-16	1.33E-15	5.30E-15	5.43E-14	1.36E-12	5.18E-09
Std		4.36E-21	5.62E-20	5.94E-19	1.39E-17	2.73E-16	7.04E-15	2.91E-13	1.45E-09
U-238									
Min		1.63E-10	1.65E-10	1.68E-10	1.79E-10	2.14E-10	4.01E-10	2.42E-09	1.32E-06
Max		1.63E-10	1.65E-10	1.68E-10	1.79E-10	2.14E-10	4.01E-10	2.42E-09	1.32E-06
Avg		1.63E-10	1.65E-10	1.68E-10	1.79E-10	2.14E-10	4.01E-10	2.42E-09	1.32E-06
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-17	2.01E-14	2.21E-10

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

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

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03

-ALL									
Min		4.33E-08	4.24E-08	4.15E-08	4.09E-08	2.09E-08	1.33E-09	4.11E-09	2.18E-06
Max		4.41E-08	4.44E-08	4.50E-08	4.70E-08	5.35E-08	8.38E-08	3.04E-07	3.19E-05
Avg		4.41E-08	4.44E-08	4.49E-08	4.69E-08	5.30E-08	8.19E-08	2.90E-07	2.94E-05
Std		5.91E-11	1.52E-10	2.60E-10	5.34E-10	2.35E-09	8.21E-09	4.53E-08	5.86E-06
=====									

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

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

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

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

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

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

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

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

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

Am-241									
Min		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		2.99E-03	2.98E-03	2.98E-03	2.95E-03	2.87E-03	2.62E-03	2.00E-03	7.69E-04
Avg		2.03E-04	2.03E-04	2.02E-04	2.00E-04	1.94E-04	1.77E-04	1.38E-04	6.12E-05
Std		3.19E-04	3.18E-04	3.17E-04	3.14E-04	3.05E-04	2.77E-04	2.11E-04	8.57E-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		1.99E+00	1.99E+00	1.99E+00	1.98E+00	1.95E+00	1.86E+00	1.61E+00	1.35E+00
Avg		1.85E-01	1.84E-01	1.82E-01	1.78E-01	1.69E-01	1.53E-01	1.38E-01	1.37E-01
Std		2.78E-01	2.77E-01	2.76E-01	2.72E-01	2.66E-01	2.56E-01	2.43E-01	2.42E-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		4.49E-03	4.49E-03	4.49E-03	4.50E-03	4.52E-03	4.58E-03	4.76E-03	5.34E-03
Avg		2.97E-04	2.97E-04	2.97E-04	2.98E-04	3.01E-04	3.09E-04	3.36E-04	4.50E-04
Std		5.00E-04	5.00E-04	5.00E-04	5.01E-04	5.04E-04	5.12E-04	5.37E-04	6.35E-04
Ra-228									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.31E+00	3.83E+00	3.01E+00	1.30E+00	1.17E-01	2.60E-05	9.41E-16	0.00E+00
Avg		3.07E-01	2.73E-01	2.16E-01	9.39E-02	8.53E-03	1.92E-06	7.20E-17	0.00E+00
Std		5.17E-01	4.59E-01	3.61E-01	1.56E-01	1.41E-02	3.14E-06	1.14E-16	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		4.30E+00	4.30E+00	4.30E+00	4.31E+00	4.32E+00	4.36E+00	4.48E+00	4.80E+00
Avg		1.59E-01	1.59E-01	1.59E-01	1.59E-01	1.60E-01	1.64E-01	1.76E-01	2.20E-01
Std		3.39E-01	3.39E-01	3.39E-01	3.39E-01	3.40E-01	3.44E-01	3.54E-01	3.80E-01
Th-228									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.64E-02	3.23E-02	1.57E-02	1.24E-03	8.86E-07	8.62E-18	0.00E+00	0.00E+00
Avg		3.65E-03	2.54E-03	1.23E-03	9.77E-05	7.01E-08	6.99E-19	0.00E+00	0.00E+00
Std		5.89E-03	4.10E-03	1.99E-03	1.58E-04	1.13E-07	1.12E-18	0.00E+00	0.00E+00
Th-232									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.31E-01	7.50E-01	1.57E+00	3.30E+00	4.51E+00	4.74E+00	5.06E+00	6.17E+00
Avg		3.24E-02	6.72E-02	1.26E-01	2.50E-01	3.37E-01	3.54E-01	3.84E-01	5.36E-01
Std		4.30E-02	9.77E-02	1.95E-01	4.01E-01	5.46E-01	5.69E-01	6.02E-01	7.44E-01
U-234									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.58E+01	1.58E+01	1.58E+01	1.59E+01	1.60E+01	1.63E+01	1.72E+01	2.07E+01
Avg		1.37E+00	1.37E+00	1.37E+00	1.37E+00	1.39E+00	1.44E+00	1.61E+00	2.63E+00
Std		2.14E+00	2.14E+00	2.14E+00	2.14E+00	2.15E+00	2.20E+00	2.34E+00	2.96E+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		1.15E+00	1.15E+00	1.15E+00	1.15E+00	1.16E+00	1.32E+00	2.71E+00	8.20E+00
Avg		9.91E-02	9.97E-02	1.01E-01	1.04E-01	1.15E-01	1.55E-01	2.80E-01	8.65E-01
Std		1.55E-01	1.55E-01	1.56E-01	1.58E-01	1.66E-01	2.04E-01	3.53E-01	1.09E+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		7.62E+00	7.63E+00	7.63E+00	7.65E+00	7.69E+00	7.84E+00	8.26E+00	9.59E+00
Avg		6.58E-01	6.58E-01	6.59E-01	6.61E-01	6.67E-01	6.91E-01	7.59E-01	1.02E+00
Std		1.03E+00	1.03E+00	1.03E+00	1.03E+00	1.04E+00	1.06E+00	1.12E+00	1.34E+00

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

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

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03

-ALL									
Min		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		2.55E+01	2.55E+01	2.55E+01	2.55E+01	2.57E+01	2.62E+01	2.77E+01	3.30E+01
Avg		2.81E+00	2.81E+00	2.81E+00	2.82E+00	2.84E+00	2.96E+00	3.35E+00	5.40E+00
Std		3.71E+00	3.71E+00	3.71E+00	3.72E+00	3.74E+00	3.82E+00	4.08E+00	5.18E+00
=====									

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

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

ONuclide (j)	t=	DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.43E-06	2.43E-06	2.42E-06	2.40E-06	2.34E-06	2.13E-06	1.64E-06	6.46E-07	
Avg	1.23E-07	1.23E-07	1.22E-07	1.21E-07	1.18E-07	1.09E-07	8.84E-08	4.62E-08	
Std	2.16E-07	2.16E-07	2.15E-07	2.13E-07	2.07E-07	1.88E-07	1.45E-07	6.42E-08	
Np-237									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.50E-02	3.46E-02	3.39E-02	3.20E-02	3.18E-02	3.17E-02	3.45E-02	3.63E-02	
Avg	2.75E-03	2.74E-03	2.71E-03	2.64E-03	2.48E-03	2.21E-03	1.98E-03	2.01E-03	
Std	5.11E-03	5.09E-03	5.04E-03	4.92E-03	4.68E-03	4.33E-03	4.22E-03	4.49E-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	0.00E+00
Max	8.23E-06	8.23E-06	8.24E-06	8.25E-06	8.28E-06	8.40E-06	8.74E-06	9.79E-06	
Avg	3.63E-07	3.63E-07	3.63E-07	3.64E-07	3.67E-07	3.77E-07	4.08E-07	5.43E-07	
Std	6.89E-07	6.89E-07	6.90E-07	6.91E-07	6.94E-07	7.06E-07	7.40E-07	8.66E-07	
Ra-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.08E-02	7.17E-02	5.64E-02	2.43E-02	2.20E-03	4.86E-07	1.75E-17	0.00E+00	
Avg	4.91E-03	4.36E-03	3.43E-03	1.48E-03	1.35E-04	3.02E-08	1.13E-18	0.00E+00	
Std	1.08E-02	9.57E-03	7.53E-03	3.25E-03	2.94E-04	6.52E-08	2.37E-18	0.00E+00	
Tc-99									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.66E-03	3.66E-03	3.66E-03	3.67E-03	3.67E-03	3.70E-03	3.76E-03	4.44E-03	
Avg	2.34E-04	2.34E-04	2.34E-04	2.34E-04	2.36E-04	2.43E-04	2.61E-04	3.29E-04	
Std	4.76E-04	4.76E-04	4.77E-04	4.77E-04	4.79E-04	4.87E-04	5.10E-04	5.91E-04	
Th-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.49E-04	1.04E-04	5.03E-05	3.99E-06	2.86E-09	2.82E-20	0.00E+00	0.00E+00	
Avg	6.35E-06	4.42E-06	2.14E-06	1.69E-07	1.19E-10	1.18E-21	0.00E+00	0.00E+00	
Std	1.45E-05	1.00E-05	4.84E-06	3.77E-07	2.63E-10	2.59E-21	0.00E+00	0.00E+00	
Th-232									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.31E-03	1.23E-02	2.76E-02	5.89E-02	7.91E-02	8.32E-02	8.89E-02	1.08E-01	
Avg	2.28E-04	7.78E-04	1.71E-03	3.68E-03	5.05E-03	5.27E-03	5.65E-03	7.76E-03	
Std	4.52E-04	1.66E-03	3.71E-03	8.00E-03	1.09E-02	1.12E-02	1.15E-02	1.45E-02	
U-234									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.79E-01	3.79E-01	3.79E-01	3.80E-01	3.81E-01	3.85E-01	3.98E-01	4.45E-01	
Avg	1.68E-02	1.68E-02	1.68E-02	1.69E-02	1.70E-02	1.76E-02	1.97E-02	3.27E-02	
Std	3.66E-02	3.66E-02	3.66E-02	3.66E-02	3.68E-02	3.75E-02	3.93E-02	4.80E-02	
U-235									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.75E-02	2.75E-02	2.75E-02	2.75E-02	2.76E-02	2.79E-02	2.88E-02	3.16E-02	
Avg	1.22E-03	1.22E-03	1.22E-03	1.22E-03	1.23E-03	1.28E-03	1.41E-03	1.94E-03	
Std	2.65E-03	2.65E-03	2.65E-03	2.65E-03	2.67E-03	2.71E-03	2.85E-03	3.32E-03	
U-238									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.83E-01	1.83E-01	1.83E-01	1.83E-01	1.83E-01	1.86E-01	1.91E-01	2.09E-01	
Avg	8.09E-03	8.09E-03	8.10E-03	8.12E-03	8.20E-03	8.46E-03	9.25E-03	1.23E-02	
Std	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.77E-02	1.80E-02	1.89E-02	2.21E-02	

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

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

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03

-ALL									
Min		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		5.92E-01	5.92E-01	5.93E-01	5.93E-01	5.95E-01	6.02E-01	6.21E-01	6.89E-01
Avg		3.42E-02	3.42E-02	3.42E-02	3.43E-02	3.44E-02	3.51E-02	3.83E-02	5.71E-02
Std		5.98E-02	5.98E-02	5.98E-02	5.99E-02	6.01E-02	6.09E-02	6.37E-02	7.74E-02
=====									

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - DEEP 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		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		3.99E-07	3.98E-07	3.97E-07	3.94E-07	3.84E-07	3.50E-07	2.68E-07	1.04E-07
Avg		1.63E-08	1.63E-08	1.62E-08	1.61E-08	1.56E-08	1.43E-08	1.14E-08	5.17E-09
Std		3.55E-08	3.54E-08	3.53E-08	3.50E-08	3.40E-08	3.10E-08	2.38E-08	9.62E-09
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		2.11E-03	2.11E-03	2.11E-03	2.10E-03	2.07E-03	1.97E-03	1.71E-03	1.23E-03
Avg		7.97E-05	7.94E-05	7.88E-05	7.72E-05	7.36E-05	6.74E-05	6.12E-05	5.97E-05
Std		1.82E-04	1.82E-04	1.82E-04	1.80E-04	1.77E-04	1.71E-04	1.59E-04	1.43E-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		3.06E-07	3.06E-07	3.06E-07	3.07E-07	3.08E-07	3.12E-07	3.25E-07	3.64E-07
Avg		1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.10E-08	1.13E-08	1.23E-08	1.62E-08
Std		2.42E-08	2.42E-08	2.43E-08	2.43E-08	2.44E-08	2.48E-08	2.60E-08	3.02E-08
Ra-228									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.77E-01	1.57E-01	1.23E-01	5.30E-02	4.79E-03	1.06E-06	3.80E-17	0.00E+00
Avg		1.05E-02	9.30E-03	7.32E-03	3.16E-03	2.86E-04	6.42E-08	2.41E-18	0.00E+00
Std		1.94E-02	1.72E-02	1.35E-02	5.82E-03	5.26E-04	1.16E-07	4.20E-18	0.00E+00
Tc-99									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.36E-01	3.36E-01	3.37E-01	3.37E-01	3.38E-01	3.41E-01	3.51E-01	3.76E-01
Avg		7.28E-03	7.29E-03	7.29E-03	7.31E-03	7.35E-03	7.52E-03	8.00E-03	9.85E-03
Std		2.39E-02	2.39E-02	2.39E-02	2.40E-02	2.40E-02	2.43E-02	2.49E-02	2.68E-02
Th-228									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.07E-05	2.84E-05	1.38E-05	1.10E-06	8.12E-10	8.70E-21	0.00E+00	0.00E+00
Avg		9.30E-07	6.48E-07	3.14E-07	2.49E-08	1.79E-11	1.79E-22	0.00E+00	0.00E+00
Std		2.79E-06	1.94E-06	9.43E-07	7.52E-08	5.49E-11	5.75E-22	0.00E+00	0.00E+00
Th-232									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		8.27E-03	2.81E-02	6.17E-02	1.32E-01	1.81E-01	1.90E-01	2.01E-01	2.39E-01
Avg		4.98E-04	1.68E-03	3.67E-03	7.85E-03	1.08E-02	1.13E-02	1.23E-02	1.71E-02
Std		9.10E-04	3.08E-03	6.76E-03	1.45E-02	1.99E-02	2.07E-02	2.19E-02	2.67E-02
U-234									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.77E-01	2.77E-01	2.77E-01	2.78E-01	2.79E-01	2.85E-01	3.01E-01	3.64E-01
Avg		1.98E-02	1.98E-02	1.98E-02	1.99E-02	2.01E-02	2.10E-02	2.41E-02	4.53E-02
Std		3.52E-02	3.53E-02	3.53E-02	3.54E-02	3.56E-02	3.65E-02	3.91E-02	5.34E-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		2.01E-02	2.01E-02	2.01E-02	2.01E-02	2.02E-02	2.06E-02	2.17E-02	2.52E-02
Avg		1.44E-03	1.44E-03	1.44E-03	1.44E-03	1.46E-03	1.53E-03	1.71E-03	2.46E-03
Std		2.55E-03	2.55E-03	2.55E-03	2.56E-03	2.58E-03	2.64E-03	2.83E-03	3.53E-03
U-238									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.33E-01	1.33E-01	1.33E-01	1.34E-01	1.35E-01	1.37E-01	1.45E-01	1.68E-01
Avg		9.54E-03	9.55E-03	9.56E-03	9.59E-03	9.69E-03	1.01E-02	1.11E-02	1.52E-02
Std		1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.71E-02	1.75E-02	1.87E-02	2.31E-02

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

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

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03

-ALL									
Min		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		5.22E-01	5.22E-01	5.22E-01	5.22E-01	5.24E-01	5.31E-01	5.48E-01	6.01E-01
Avg		4.91E-02	4.92E-02	4.92E-02	4.93E-02	4.98E-02	5.14E-02	5.72E-02	9.00E-02
Std		6.94E-02	6.94E-02	6.95E-02	6.96E-02	6.99E-02	7.12E-02	7.55E-02	9.74E-02
=====									

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

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

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

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

0 Probabilistic Dose vs Pathway(i): Water Ingestion

ONuclide (j)	t=	DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	1.49E-13	8.71E-05	4.18E-04	4.33E-02	1.64E-01	1.03E-02	
Avg	0.00E+00	0.00E+00	4.96E-16	2.98E-07	1.64E-06	1.55E-04	9.11E-04	1.06E-04	
Std	0.00E+00	0.00E+00	8.57E-15	5.02E-06	2.42E-05	2.50E-03	1.10E-02	8.48E-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	3.79E-04	1.17E+02	1.29E+02	7.78E+01	2.37E+01	2.94E+01	
Avg	0.00E+00	0.00E+00	1.26E-06	4.60E-01	1.26E+00	2.05E+00	1.84E+00	1.24E+00	
Std	0.00E+00	0.00E+00	2.18E-05	6.82E+00	1.08E+01	8.11E+00	3.68E+00	2.41E+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	7.28E-15	2.85E-12	3.27E-05	1.71E-04	3.29E-03	
Avg	0.00E+00	0.00E+00	0.00E+00	3.27E-17	1.09E-14	1.14E-07	1.18E-06	3.27E-05	
Std	0.00E+00	0.00E+00	0.00E+00	4.39E-16	1.66E-13	1.89E-06	1.29E-05	2.32E-04	
Ra-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	1.55E-08	6.77E-06	4.55E-09	4.25E-19	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	5.17E-11	2.32E-08	1.58E-11	1.49E-21	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	8.94E-10	3.90E-07	2.63E-10	2.45E-20	0.00E+00	
Tc-99									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Th-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	8.31E-09	1.62E-06	1.21E-16	0.00E+00	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	2.77E-11	5.39E-09	4.03E-19	0.00E+00	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	4.79E-10	9.32E-08	6.95E-18	0.00E+00	0.00E+00	
Th-232									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	6.44E-06	2.81E-04	1.25E-03	8.39E-03	3.46E-01	
Avg	0.00E+00	0.00E+00	0.00E+00	2.15E-08	9.61E-07	4.70E-06	9.36E-05	1.79E-03	
Std	0.00E+00	0.00E+00	0.00E+00	3.71E-07	1.62E-05	7.21E-05	7.59E-04	2.08E-02	
U-234									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	8.45E-12	2.90E-07	1.28E-03	4.25E-02	2.45E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	3.23E-14	9.76E-10	5.28E-06	2.09E-04	1.51E-02	
Std	0.00E+00	0.00E+00	0.00E+00	4.92E-13	1.67E-08	7.46E-05	2.57E-03	1.49E-01	
U-235									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	1.24E-02	8.05E-01	9.70E+00	2.46E+01	2.50E+01	
Avg	0.00E+00	0.00E+00	0.00E+00	5.15E-05	3.05E-03	3.88E-02	2.23E-01	8.71E-01	
Std	0.00E+00	0.00E+00	0.00E+00	7.33E-04	4.68E-02	5.65E-01	1.95E+00	3.53E+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	8.00E-16	8.41E-12	2.03E-07	9.96E-06	1.32E-03	
Avg	0.00E+00	0.00E+00	0.00E+00	4.73E-18	2.83E-14	1.45E-09	5.01E-08	9.28E-06	
Std	0.00E+00	0.00E+00	0.00E+00	5.82E-17	4.85E-13	1.50E-08	6.10E-07	8.56E-05	

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

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

ONuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	3.79E-04	1.17E+02	1.29E+02	7.78E+01	2.76E+01	2.95E+01
Avg		0.00E+00	0.00E+00	1.26E-06	4.60E-01	1.26E+00	2.09E+00	2.06E+00	2.12E+00
Std		0.00E+00	0.00E+00	2.18E-05	6.82E+00	1.08E+01	8.12E+00	4.15E+00	4.18E+00
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

0 Probabilistic Dose vs Pathway(i): Fish Ingestion

ONuclide (j)	t=	DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	4.64E-14	4.46E-05	2.15E-04	1.12E-01	2.50E-01	2.66E-02	
Avg	0.00E+00	0.00E+00	1.55E-16	1.52E-07	8.45E-07	3.79E-04	1.30E-03	1.53E-04	
Std	0.00E+00	0.00E+00	2.67E-15	2.57E-06	1.24E-05	6.45E-03	1.63E-02	1.61E-03	
Np-237									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	1.36E-04	4.99E+01	5.42E+01	3.87E+01	6.82E+01	3.46E+01	
Avg	0.00E+00	0.00E+00	4.54E-07	1.96E-01	5.75E-01	1.19E+00	1.44E+00	9.80E-01	
Std	0.00E+00	0.00E+00	7.86E-06	2.91E+00	4.60E+00	4.50E+00	5.05E+00	2.61E+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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	4.36E-15	1.73E-12	3.98E-06	1.30E-04	1.14E-03	
Avg	0.00E+00	0.00E+00	0.00E+00	2.25E-17	7.13E-15	2.16E-08	7.35E-07	1.60E-05	
Std	0.00E+00	0.00E+00	0.00E+00	2.84E-16	1.02E-13	2.70E-07	8.65E-06	1.10E-04	
Ra-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	2.35E-08	1.58E-05	1.06E-08	9.95E-19	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	7.83E-11	5.37E-08	3.65E-11	3.42E-21	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	1.35E-09	9.12E-07	6.14E-10	5.74E-20	0.00E+00	
Tc-99									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	1.28E-08	3.79E-06	2.83E-16	0.00E+00	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	4.26E-11	1.26E-08	9.45E-19	0.00E+00	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	7.36E-10	2.19E-07	1.63E-17	0.00E+00	0.00E+00	
Th-232									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	1.19E-04	5.33E-03	2.36E-02	7.60E-02	5.68E-01	
Avg	0.00E+00	0.00E+00	0.00E+00	3.96E-07	1.78E-05	7.94E-05	4.09E-04	4.08E-03	
Std	0.00E+00	0.00E+00	0.00E+00	6.86E-06	3.07E-04	1.36E-03	4.72E-03	4.00E-02	
U-234									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	1.62E-11	4.11E-07	1.28E-03	4.28E-02	4.97E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	5.62E-14	1.39E-09	5.93E-06	2.89E-04	3.08E-02	
Std	0.00E+00	0.00E+00	0.00E+00	9.36E-13	2.37E-08	7.65E-05	2.96E-03	3.02E-01	
U-235									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	7.45E-03	4.90E-01	5.91E+00	4.58E+01	4.63E+01	
Avg	0.00E+00	0.00E+00	0.00E+00	3.51E-05	2.00E-03	2.56E-02	2.39E-01	5.49E-01	
Std	0.00E+00	0.00E+00	0.00E+00	4.64E-04	2.89E-02	3.51E-01	2.77E+00	3.52E+00	
U-238									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	1.23E-15	1.18E-11	7.87E-07	9.96E-06	2.67E-03	
Avg	0.00E+00	0.00E+00	0.00E+00	5.47E-18	3.96E-14	4.02E-09	7.70E-08	1.80E-05	
Std	0.00E+00	0.00E+00	0.00E+00	7.48E-17	6.80E-13	4.92E-08	7.80E-07	1.69E-04	

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

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

ONuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	1.36E-04	4.99E+01	5.42E+01	3.87E+01	6.82E+01	4.69E+01
Avg		0.00E+00	0.00E+00	4.54E-07	1.96E-01	5.77E-01	1.22E+00	1.68E+00	1.56E+00
Std		0.00E+00	0.00E+00	7.86E-06	2.91E+00	4.60E+00	4.51E+00	5.73E+00	4.32E+00
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

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

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

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

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

ONuclide (j)	t=	DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	8.42E-15	2.90E-06	1.40E-05	1.11E-03	7.21E-03	3.68E-04	
Avg	0.00E+00	0.00E+00	2.81E-17	9.84E-09	5.44E-08	4.09E-06	3.37E-05	3.78E-06	
Std	0.00E+00	0.00E+00	4.85E-16	1.67E-07	8.07E-07	6.40E-05	4.39E-04	2.82E-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	2.34E-05	2.50E+00	2.71E+00	4.98E+00	2.31E+00	5.03E+00	
Avg	0.00E+00	0.00E+00	7.81E-08	9.91E-03	3.58E-02	1.05E-01	9.95E-02	7.46E-02	
Std	0.00E+00	0.00E+00	1.35E-06	1.46E-01	2.54E-01	4.65E-01	2.45E-01	3.02E-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	2.62E-16	1.03E-13	3.02E-06	1.28E-05	1.90E-04	
Avg	0.00E+00	0.00E+00	0.00E+00	1.05E-18	3.72E-16	1.04E-08	8.30E-08	1.70E-06	
Std	0.00E+00	0.00E+00	0.00E+00	1.53E-17	5.97E-15	1.74E-07	9.33E-07	1.30E-05	
Ra-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	6.37E-10	3.00E-07	2.02E-10	1.89E-20	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	2.12E-12	1.02E-09	6.99E-13	6.57E-23	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	3.67E-11	1.73E-08	1.16E-11	1.09E-21	0.00E+00	
Tc-99									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Th-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	3.44E-10	7.18E-08	5.36E-18	0.00E+00	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	1.15E-12	2.39E-10	1.79E-20	0.00E+00	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	1.98E-11	4.14E-09	3.09E-19	0.00E+00	0.00E+00	
Th-232									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	1.73E-07	7.72E-06	3.43E-05	3.89E-04	9.34E-03	
Avg	0.00E+00	0.00E+00	0.00E+00	5.78E-10	2.71E-08	1.50E-07	3.41E-06	5.56E-05	
Std	0.00E+00	0.00E+00	0.00E+00	9.99E-09	4.45E-07	2.03E-06	3.01E-05	5.94E-04	
U-234									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	0.00E+00	0.00E+00	5.12E-13	5.54E-09	5.40E-05	1.80E-03	9.46E-02	
Avg	0.00E+00	0.00E+00	0.00E+00	2.04E-15	1.92E-11	2.04E-07	8.08E-06	6.14E-04	
Std	0.00E+00	0.00E+00	0.00E+00	3.00E-14	3.19E-10	3.12E-06	1.05E-04	5.75E-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	4.47E-04	2.92E-02	3.53E-01	1.21E+00	1.22E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	1.68E-06	1.04E-04	1.31E-03	8.99E-03	3.57E-02	
Std	0.00E+00	0.00E+00	0.00E+00	2.59E-05	1.69E-03	2.04E-02	8.41E-02	1.40E-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	6.40E-17	1.60E-13	5.89E-09	4.20E-07	5.09E-05	
Avg	0.00E+00	0.00E+00	0.00E+00	3.40E-19	5.51E-16	4.76E-11	1.87E-09	3.61E-07	
Std	0.00E+00	0.00E+00	0.00E+00	4.28E-18	9.23E-15	4.79E-10	2.47E-08	3.28E-06	

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

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

ONuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	2.34E-05	2.50E+00	2.71E+00	4.98E+00	2.31E+00	5.04E+00
Avg		0.00E+00	0.00E+00	7.81E-08	9.92E-03	3.59E-02	1.07E-01	1.09E-01	1.11E-01
Std		0.00E+00	0.00E+00	1.35E-06	1.46E-01	2.54E-01	4.65E-01	2.60E-01	3.32E-01
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

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

ONuclide (j)	t=	DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	4.56E-17	3.54E-08	2.25E-07	1.73E-05	4.97E-05	4.16E-06	
Avg	0.00E+00	0.00E+00	1.52E-19	1.64E-10	2.22E-09	7.01E-08	3.41E-07	1.02E-07	
Std	0.00E+00	0.00E+00	2.63E-18	2.18E-09	2.04E-08	9.98E-07	3.63E-06	3.28E-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	0.00E+00
Max	0.00E+00	0.00E+00	2.74E-07	7.42E-01	1.12E+00	1.41E+00	3.47E-01	2.76E-01	
Avg	0.00E+00	0.00E+00	9.14E-10	3.00E-03	8.90E-03	2.08E-02	1.60E-02	1.20E-02	
Std	0.00E+00	0.00E+00	1.58E-08	4.36E-02	8.19E-02	1.08E-01	4.21E-02	2.92E-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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	8.94E-20	3.75E-17	3.11E-08	1.32E-07	2.21E-06	
Avg	0.00E+00	0.00E+00	0.00E+00	4.37E-22	1.53E-19	1.08E-10	9.61E-10	2.27E-08	
Std	0.00E+00	0.00E+00	0.00E+00	5.56E-21	2.19E-18	1.79E-09	1.03E-08	1.58E-07	
Ra-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	1.85E-11	1.56E-08	1.06E-11	9.88E-22	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	6.15E-14	5.27E-11	3.61E-14	3.38E-24	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	1.06E-12	8.98E-10	6.09E-13	5.70E-23	0.00E+00	
Tc-99									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	1.06E-11	3.80E-09	2.86E-19	0.00E+00	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	3.54E-14	1.27E-11	9.55E-22	0.00E+00	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	6.13E-13	2.19E-10	1.65E-20	0.00E+00	0.00E+00	
Th-232									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	5.95E-09	3.16E-07	1.43E-06	1.75E-05	4.57E-04	
Avg	0.00E+00	0.00E+00	0.00E+00	1.98E-11	1.11E-09	7.17E-09	1.35E-07	2.33E-06	
Std	0.00E+00	0.00E+00	0.00E+00	3.43E-10	1.82E-08	8.97E-08	1.18E-06	2.73E-05	
U-234									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	2.78E-15	1.53E-09	1.14E-06	7.04E-05	3.17E-03	
Avg	0.00E+00	0.00E+00	0.00E+00	1.21E-17	5.09E-12	5.88E-09	3.65E-07	3.02E-05	
Std	0.00E+00	0.00E+00	0.00E+00	1.68E-16	8.79E-11	7.13E-08	4.23E-06	2.51E-04	
U-235									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	1.55E-07	1.06E-05	1.29E-04	4.86E-04	3.48E-03	
Avg	0.00E+00	0.00E+00	0.00E+00	6.82E-10	4.24E-08	7.04E-07	7.54E-06	7.03E-05	
Std	0.00E+00	0.00E+00	0.00E+00	9.35E-09	6.22E-07	7.69E-06	4.42E-05	3.57E-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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	5.92E-19	4.47E-14	1.30E-09	1.78E-08	2.25E-06	
Avg	0.00E+00	0.00E+00	0.00E+00	2.82E-21	1.49E-16	6.14E-12	9.07E-11	1.81E-08	
Std	0.00E+00	0.00E+00	0.00E+00	3.71E-20	2.57E-15	8.02E-11	1.08E-09	1.60E-07	

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

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

ONuclide (j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03

-ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	2.74E-07	7.42E-01	1.12E+00	1.41E+00	3.47E-01	2.76E-01
Avg		0.00E+00	0.00E+00	9.14E-10	3.00E-03	8.90E-03	2.08E-02	1.61E-02	1.22E-02
Std		0.00E+00	0.00E+00	1.58E-08	4.36E-02	8.19E-02	1.08E-01	4.21E-02	2.92E-02
=====									

-ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

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

ONuclide (j)	t=	DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	2.09E-16	2.28E-08	1.10E-07	1.50E-05	3.35E-05	3.57E-06	
Avg	0.00E+00	0.00E+00	6.96E-19	8.23E-11	5.34E-10	5.29E-08	1.55E-07	2.23E-08	
Std	0.00E+00	0.00E+00	1.20E-17	1.32E-09	6.55E-09	8.65E-07	2.02E-06	2.11E-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	0.00E+00
Max	0.00E+00	0.00E+00	5.42E-07	9.84E-02	1.07E-01	2.50E-01	2.02E-02	1.66E-02	
Avg	0.00E+00	0.00E+00	1.81E-09	3.60E-04	1.07E-03	2.50E-03	1.31E-03	8.35E-04	
Std	0.00E+00	0.00E+00	3.12E-08	5.69E-03	8.33E-03	1.68E-02	3.03E-03	1.65E-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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	2.78E-18	1.10E-15	3.91E-09	1.66E-08	3.72E-07	
Avg	0.00E+00	0.00E+00	0.00E+00	1.08E-20	3.94E-18	1.33E-11	9.15E-11	2.35E-09	
Std	0.00E+00	0.00E+00	0.00E+00	1.61E-19	6.34E-17	2.25E-10	1.08E-09	2.25E-08	
Ra-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	1.37E-11	8.06E-10	5.43E-13	5.07E-23	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	4.57E-14	3.23E-12	2.38E-15	2.30E-25	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	7.90E-13	4.74E-11	3.28E-14	3.06E-24	0.00E+00	
Tc-99									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	7.41E-12	1.93E-10	1.44E-20	0.00E+00	0.00E+00	
Avg	0.00E+00	0.00E+00	0.00E+00	2.47E-14	6.44E-13	4.85E-23	0.00E+00	0.00E+00	
Std	0.00E+00	0.00E+00	0.00E+00	4.27E-13	1.11E-11	8.32E-22	0.00E+00	0.00E+00	
Th-232									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	8.48E-10	9.38E-08	5.27E-07	8.79E-05	8.12E-04	
Avg	0.00E+00	0.00E+00	0.00E+00	2.83E-12	3.21E-10	3.09E-09	5.73E-07	6.83E-06	
Std	0.00E+00	0.00E+00	0.00E+00	4.89E-11	5.41E-09	3.71E-08	6.51E-06	6.67E-05	
U-234									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	4.81E-15	1.21E-08	8.84E-06	5.47E-04	2.46E-02	
Avg	0.00E+00	0.00E+00	0.00E+00	1.78E-17	4.02E-11	3.09E-08	2.05E-06	1.25E-04	
Std	0.00E+00	0.00E+00	0.00E+00	2.79E-16	6.95E-10	5.09E-07	3.16E-05	1.48E-03	
U-235									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	4.73E-06	3.10E-04	3.74E-03	8.47E-03	3.61E-02	
Avg	0.00E+00	0.00E+00	0.00E+00	1.74E-08	1.09E-06	1.38E-05	5.31E-05	3.64E-04	
Std	0.00E+00	0.00E+00	0.00E+00	2.74E-07	1.79E-05	2.16E-04	5.15E-04	2.36E-03	
U-238									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	3.73E-19	3.51E-13	8.58E-09	1.40E-07	1.75E-05	
Avg	0.00E+00	0.00E+00	0.00E+00	2.41E-21	1.17E-15	3.15E-11	5.10E-10	7.76E-08	
Std	0.00E+00	0.00E+00	0.00E+00	2.94E-20	2.02E-14	4.97E-10	8.09E-09	1.03E-06	

Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis

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

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

ONuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	5.42E-07	9.84E-02	1.07E-01	2.50E-01	2.10E-02	3.61E-02
Avg		0.00E+00	0.00E+00	1.81E-09	3.60E-04	1.07E-03	2.52E-03	1.36E-03	1.33E-03
Std		0.00E+00	0.00E+00	3.12E-08	5.69E-03	8.33E-03	1.68E-02	3.09E-03	3.17E-03
=====		=====	=====	=====	=====	=====	=====	=====	=====

-ALL is total pathway dose summed for all nuclides.

Cumulative Probability	Dose (t), mrem/yr								
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03	
0.025	4.41E-08	4.44E-08	4.49E-08	4.69E-08	5.32E-08	8.34E-08	3.03E-07	2.27E-04	
0.050	4.41E-08	4.44E-08	4.50E-08	4.70E-08	5.34E-08	8.36E-08	3.04E-07	8.98E-02	
0.075	4.41E-08	4.44E-08	4.50E-08	4.70E-08	5.34E-08	8.37E-08	3.04E-07	1.05E+00	
0.100	4.41E-08	4.44E-08	4.50E-08	4.70E-08	5.34E-08	8.38E-08	5.94E-06	1.32E+00	
0.125	4.41E-08	4.44E-08	4.50E-08	4.70E-08	5.35E-08	8.38E-08	1.98E-03	1.78E+00	
0.150	4.41E-08	4.44E-08	4.50E-08	4.70E-08	5.35E-08	8.39E-08	1.03E-02	2.61E+00	
0.175	4.41E-08	4.44E-08	4.50E-08	4.70E-08	5.35E-08	1.42E-05	1.51E-01	2.95E+00	
0.200	4.41E-08	4.44E-08	4.50E-08	4.70E-08	5.35E-08	3.26E-03	7.35E-01	3.42E+00	
0.225	4.41E-08	4.44E-08	4.50E-08	4.70E-08	5.35E-08	1.49E-01	1.17E+00	3.78E+00	
0.250	4.41E-08	4.44E-08	4.50E-08	4.70E-08	4.30E-06	3.27E-01	1.41E+00	4.11E+00	
0.275	4.41E-08	4.44E-08	4.50E-08	4.70E-08	1.84E-02	5.27E-01	1.75E+00	4.62E+00	
0.300	4.41E-08	4.44E-08	4.50E-08	4.70E-08	2.09E-01	6.87E-01	2.03E+00	4.80E+00	
0.325	4.41E-08	4.44E-08	5.40E-04	1.75E-01	4.11E-01	1.07E+00	2.37E+00	5.27E+00	
0.350	3.05E-01	3.09E-01	3.15E-01	3.60E-01	6.18E-01	1.34E+00	2.64E+00	5.69E+00	
0.375	5.86E-01	5.86E-01	5.87E-01	5.89E-01	9.71E-01	1.63E+00	3.01E+00	6.01E+00	
0.400	9.00E-01	9.02E-01	9.07E-01	9.23E-01	1.19E+00	2.04E+00	3.34E+00	6.23E+00	
0.425	1.22E+00	1.22E+00	1.22E+00	1.18E+00	1.55E+00	2.28E+00	3.65E+00	6.47E+00	
0.450	1.52E+00	1.52E+00	1.53E+00	1.53E+00	1.77E+00	2.57E+00	3.90E+00	6.69E+00	
0.475	1.70E+00	1.70E+00	1.70E+00	1.70E+00	1.93E+00	2.82E+00	4.14E+00	6.86E+00	
0.500	1.87E+00	1.87E+00	1.87E+00	1.86E+00	2.17E+00	3.12E+00	4.48E+00	7.09E+00	
0.525	2.07E+00	2.07E+00	2.08E+00	2.10E+00	2.33E+00	3.28E+00	4.68E+00	7.37E+00	
0.550	2.29E+00	2.29E+00	2.29E+00	2.28E+00	2.62E+00	3.34E+00	5.04E+00	7.60E+00	
0.575	2.54E+00	2.54E+00	2.54E+00	2.58E+00	2.90E+00	3.64E+00	5.25E+00	8.08E+00	
0.600	2.67E+00	2.67E+00	2.68E+00	2.77E+00	3.05E+00	3.95E+00	5.46E+00	8.17E+00	
0.625	2.94E+00	2.95E+00	2.94E+00	2.98E+00	3.25E+00	4.25E+00	5.94E+00	8.58E+00	
0.650	3.12E+00	3.12E+00	3.12E+00	3.21E+00	3.56E+00	4.70E+00	6.47E+00	8.84E+00	
0.675	3.44E+00	3.45E+00	3.46E+00	3.49E+00	3.76E+00	5.04E+00	6.77E+00	9.35E+00	
0.700	3.60E+00	3.60E+00	3.61E+00	3.69E+00	4.08E+00	5.37E+00	7.41E+00	1.02E+01	
0.725	3.81E+00	3.81E+00	3.81E+00	3.84E+00	4.31E+00	5.73E+00	8.41E+00	1.06E+01	
0.750	4.13E+00	4.14E+00	4.15E+00	4.19E+00	4.68E+00	6.14E+00	8.95E+00	1.11E+01	
0.775	4.34E+00	4.34E+00	4.32E+00	4.36E+00	5.01E+00	6.62E+00	9.98E+00	1.16E+01	
0.800	4.77E+00	4.77E+00	4.77E+00	4.81E+00	5.33E+00	7.02E+00	1.14E+01	1.21E+01	
0.825	5.18E+00	5.18E+00	5.18E+00	5.20E+00	6.02E+00	8.51E+00	1.26E+01	1.32E+01	
0.850	5.78E+00	5.78E+00	5.79E+00	5.92E+00	6.62E+00	9.56E+00	1.35E+01	1.51E+01	
0.875	6.42E+00	6.42E+00	6.42E+00	6.52E+00	7.68E+00	1.14E+01	1.49E+01	1.60E+01	
0.900	7.06E+00	7.07E+00	7.08E+00	7.50E+00	9.37E+00	1.38E+01	1.70E+01	1.88E+01	
0.925	8.38E+00	8.38E+00	8.38E+00	9.32E+00	1.12E+01	1.81E+01	1.86E+01	2.11E+01	
0.950	1.09E+01	1.09E+01	1.09E+01	1.13E+01	1.25E+01	2.68E+01	2.34E+01	2.58E+01	
0.975	1.24E+01	1.24E+01	1.24E+01	1.40E+01	2.19E+01	4.82E+01	3.02E+01	3.51E+01	
1.000	2.61E+01	2.62E+01	2.62E+01	1.76E+02	1.90E+02	1.13E+02	9.37E+01	8.14E+01	

RESRAD, Version 6.4 T« Limit = 180 days 06/15/2009 14:35 Page 38
Probabilistic results summary : Hematite - Deep CSM Sensitivity Analysis
File : C:\RESRAD_FAMILY\RESRAD\USERFILES\HEMATITE - DEEP 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	4.711E+02	1.075E+01
2	7.025E+02	9.743E+00
3	9.504E+02	1.039E+01

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	63	-0.10	68	-0.02	36	0.22	36	0.06
Kd of Ac-227 in Unsaturated Zone 1	35	0.21	46	0.05	71	0.08	73	0.02
Kd of Ac-227 in Saturated Zone	66	-0.09	61	-0.03	14	-0.38	14	-0.11
Kd of Am-241 in Contaminated Zone	82	0.03	82	0.01	30	0.26	31	0.08
Kd of Am-241 in Unsaturated Zone 1	52	0.13	31	0.08	39	0.20	40	0.06
Kd of Am-241 in Saturated Zone	39	-0.18	5	-0.22	17	0.33	17	0.10
Kd of Np-237 in Contaminated Zone	13	-0.39	2	-0.28	21	-0.31	21	-0.09
Kd of Np-237 in Unsaturated Zone 1	81	-0.03	77	-0.01	3	-0.81	3	-0.39
Kd of Np-237 in Saturated Zone	12	-0.40	15	-0.12	41	-0.20	38	-0.06
Kd of Pa-231 in Contaminated Zone	30	-0.23	39	-0.07	47	0.17	47	0.05
Kd of Pa-231 in Unsaturated Zone 1	62	0.10	20	0.11	59	0.13	60	0.04
Kd of Pa-231 in Saturated Zone	47	-0.15	51	-0.04	79	-0.06	80	-0.02
Kd of Pb-210 in Contaminated Zone	77	0.03	78	0.01	70	-0.08	70	-0.02
Kd of Pb-210 in Unsaturated Zone 1	21	0.29	11	0.16	15	-0.35	16	-0.10
Kd of Pb-210 in Saturated Zone	43	0.17	32	0.08	4	0.55	4	0.18
Kd of Pu-239 in Contaminated Zone	58	0.11	48	0.05	86	0.01	86	0.00
Kd of Pu-239 in Unsaturated Zone 1	1	0.90	1	0.75	32	0.24	32	0.07
Kd of Pu-239 in Saturated Zone	32	-0.22	33	-0.08	66	-0.11	66	-0.03
Kd of Ra-226 in Contaminated Zone	28	0.26	17	0.12	85	0.02	85	0.01
Kd of Ra-226 in Unsaturated Zone 1	36	0.21	34	0.08	68	-0.10	68	-0.03
Kd of Ra-226 in Saturated Zone	84	-0.02	83	-0.01	12	0.39	12	0.12
Kd of Ra-228 in Contaminated Zone	14	0.38	3	0.25	23	0.31	23	0.09
Kd of Ra-228 in Unsaturated Zone 1	72	-0.08	72	-0.02	78	0.06	78	0.02
Kd of Ra-228 in Saturated Zone	41	-0.18	36	-0.07	76	0.06	76	0.02
Kd of Tc-99 in Saturated Zone	3	-0.57	9	-0.19	46	0.17	46	0.05
Kd of Th-228 in Contaminated Zone	65	0.09	74	0.02	49	-0.17	49	-0.05
Kd of Th-228 in Unsaturated Zone 1	29	-0.26	10	-0.16	44	-0.18	44	-0.05
Kd of Th-228 in Saturated Zone	40	-0.18	25	-0.10	88	0.01	88	0.00
Kd of Th-229 in Contaminated Zone	49	-0.14	55	-0.03	75	-0.07	75	-0.02
Kd of Th-229 in Unsaturated Zone 1	56	0.11	37	0.07	6	0.47	6	0.15
Kd of Th-229 in Saturated Zone	71	0.08	73	0.02	40	0.20	41	0.06
Kd of Th-230 in Contaminated Zone	85	-0.02	84	-0.01	53	-0.15	54	-0.04
Kd of Th-230 in Unsaturated Zone 1	45	0.16	38	0.07	83	-0.04	83	-0.01
Kd of Th-230 in Saturated Zone	75	-0.06	75	-0.02	61	-0.13	59	-0.04
Kd of Th-232 in Contaminated Zone	51	-0.13	53	-0.04	45	0.18	45	0.05
Kd of Th-232 in Unsaturated Zone 1	73	0.06	65	0.02	10	0.41	10	0.13
Kd of Th-232 in Saturated Zone	70	-0.08	67	-0.02	9	-0.42	9	-0.13
Kd of U-233 in Saturated Zone	11	0.40	16	0.12	80	0.06	79	0.02
Kd of U-234 in Saturated Zone	74	-0.06	50	-0.05	42	-0.20	42	-0.06
Kd of U-235 in Saturated Zone	31	-0.23	22	-0.11	87	0.01	87	0.00
Kd of U-238 in Saturated Zone	5	0.48	7	0.20	57	0.13	57	0.04
Plant transfer factor for Ac	67	0.09	70	0.02	11	-0.41	11	-0.13
Meat transfer factor for Ac	37	0.21	47	0.05	22	0.31	22	0.09
Milk transfer factor for Ac	48	-0.15	45	-0.05	16	-0.35	15	-0.10
Fish transfer factor for Ac	20	-0.29	29	-0.09	89	-0.01	89	0.00
Plant transfer factor for Am	54	0.12	60	0.03	19	0.33	20	0.10
Meat transfer factor for Am	86	0.01	86	0.01	63	0.11	63	0.03
Milk transfer factor for Am	76	-0.05	76	-0.01	13	-0.39	13	-0.12
Fish transfer factor for Am	18	0.34	14	0.12	69	-0.10	69	-0.03
Plant transfer factor for Pb	6	-0.46	8	-0.20	51	0.16	51	0.04
Meat transfer factor for Pb	7	-0.45	21	-0.11	24	-0.28	24	-0.08
Milk transfer factor for Pb	68	0.08	63	0.03	84	-0.04	84	-0.01
Fish transfer factor for Pb	55	-0.12	58	-0.03	33	-0.24	33	-0.07
Plant transfer factor for Np	61	-0.10	62	-0.03	26	-0.28	25	-0.08
Meat transfer factor for Np	83	0.02	85	0.01	38	-0.21	39	-0.06
Milk transfer factor for Np	8	0.42	18	0.12	64	0.11	65	0.03
Fish transfer factor for Np	9	0.40	6	0.22	50	0.16	50	0.05
Plant transfer factor for Pu	26	-0.27	40	-0.07	52	-0.16	52	-0.04
Meat transfer factor for Pu	88	-0.01	89	0.00	48	-0.17	48	-0.05
Milk transfer factor for Pu	59	0.11	59	0.03	60	0.13	61	0.04
Fish transfer factor for Pu	53	0.12	64	0.03	8	0.44	8	0.14
Plant transfer factor for Pa	22	-0.28	28	-0.10	65	0.11	64	0.03
Meat transfer factor for Pa	33	-0.22	49	-0.05	25	-0.28	26	-0.08
Milk transfer factor for Pa	17	-0.37	24	-0.10	62	-0.12	62	-0.04
Fish transfer factor for Pa	34	0.21	27	0.10	31	0.26	30	0.08
Plant transfer factor for Ra	80	-0.03	81	-0.01	35	-0.22	35	-0.06
Meat transfer factor for Ra	27	0.26	26	0.10	37	0.22	37	0.06
Milk transfer factor for Ra	15	-0.38	19	-0.11	55	-0.14	55	-0.04
Fish transfer factor for Ra	38	-0.19	30	-0.09	77	-0.06	77	-0.02
Plant transfer factor for Tc	78	-0.03	80	-0.01	54	0.15	53	0.04
Meat transfer factor for Tc	60	-0.10	57	-0.03	72	-0.08	71	-0.02
Milk transfer factor for Tc	46	0.16	52	0.04	74	0.07	74	0.02
Fish transfer factor for Tc	50	-0.13	56	-0.03	81	-0.05	81	-0.01
Plant transfer factor for Th	4	-0.52	12	-0.16	67	-0.10	67	-0.03
Meat transfer factor for Th	42	0.18	44	0.05	29	0.27	28	0.08
Milk transfer factor for Th	87	-0.01	87	0.00	73	0.08	72	0.02
Fish transfer factor for Th	24	-0.27	35	-0.08	82	0.05	82	0.01
Plant transfer factor for U	2	0.73	4	0.23	1	0.84	1	0.43
Meat transfer factor for U	25	0.27	43	0.06	58	-0.13	58	-0.04
Milk transfer factor for U	64	0.10	66	0.02	20	0.33	18	0.10
Fish transfer factor for U	23	-0.28	41	-0.07	34	-0.23	34	-0.07
Well pumping rate	10	-0.40	23	-0.10	27	-0.27	27	-0.08
Mass loading for inhalation	19	-0.30	42	-0.07	7	-0.45	7	-0.14
Indoor dust filtration factor	44	-0.16	54	-0.04	18	0.33	19	0.10
Depth of soil mixing layer	89	0.00	88	0.00	43	-0.19	43	-0.05
Depth of roots	57	0.11	69	0.02	2	0.82	2	0.41
Wet weight crop yield of fruit, grain and non-leafy vegetables	69	-0.08	71	-0.02	28	-0.27	29	-0.08
Weathering removal constant of all vegetation	79	0.03	79	0.01	56	0.13	56	0.04
Wet foliar interception fraction of leafy vegetables	16	-0.37	13	-0.15	5	-0.55	5	-0.18

R-SQUARE 0.99 0.99 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 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	62	-0.13	47	-0.09	25	0.48	25	0.09
Kd of Ac-227 in Unsaturated Zone 1	32	0.26	24	0.17	57	-0.19	58	-0.03
Kd of Ac-227 in Saturated Zone	25	-0.33	41	-0.10	14	-0.60	14	-0.12
Kd of Am-241 in Contaminated Zone	7	0.48	16	0.22	76	0.07	76	0.01
Kd of Am-241 in Unsaturated Zone 1	42	-0.20	6	-0.39	39	-0.31	39	-0.05
Kd of Am-241 in Saturated Zone	57	0.15	43	0.10	21	-0.50	22	-0.09
Kd of Np-237 in Contaminated Zone	87	-0.01	88	0.00	5	-0.75	5	-0.18
Kd of Np-237 in Unsaturated Zone 1	34	0.24	50	0.09	3	-0.88	3	-0.31
Kd of Np-237 in Saturated Zone	52	-0.17	31	-0.13	6	-0.71	6	-0.17
Kd of Pa-231 in Contaminated Zone	31	-0.28	32	-0.13	7	-0.70	7	-0.16
Kd of Pa-231 in Unsaturated Zone 1	19	-0.40	20	-0.19	9	-0.68	9	-0.15
Kd of Pa-231 in Saturated Zone	1	0.89	1	0.78	50	-0.22	50	-0.04
Kd of Pb-210 in Contaminated Zone	89	0.00	87	0.00	82	0.04	82	0.01
Kd of Pb-210 in Unsaturated Zone 1	71	-0.10	66	-0.05	74	-0.07	74	-0.01
Kd of Pb-210 in Saturated Zone	3	0.59	10	0.29	64	-0.14	65	-0.02
Kd of Pu-239 in Contaminated Zone	63	0.12	67	0.05	35	0.36	35	0.06
Kd of Pu-239 in Unsaturated Zone 1	48	0.19	33	0.12	33	0.39	33	0.07
Kd of Pu-239 in Saturated Zone	4	0.54	2	0.69	13	0.62	13	0.13
Kd of Ra-226 in Contaminated Zone	21	0.37	25	0.16	29	-0.41	29	-0.08
Kd of Ra-226 in Unsaturated Zone 1	50	-0.18	51	-0.09	31	-0.40	32	-0.07
Kd of Ra-226 in Saturated Zone	22	0.37	4	0.55	63	-0.14	63	-0.02
Kd of Ra-228 in Contaminated Zone	46	0.19	7	0.35	51	-0.21	51	-0.04
Kd of Ra-228 in Unsaturated Zone 1	36	-0.23	39	-0.10	30	-0.40	30	-0.07
Kd of Ra-228 in Saturated Zone	73	0.08	69	0.05	17	0.56	17	0.11
Kd of Tc-99 in Saturated Zone	47	-0.19	28	-0.14	32	0.40	31	0.07
Kd of Th-228 in Contaminated Zone	58	-0.15	63	-0.06	80	-0.05	80	-0.01
Kd of Th-228 in Unsaturated Zone 1	67	-0.10	68	-0.05	83	0.04	83	0.01
Kd of Th-228 in Saturated Zone	61	0.13	65	0.05	28	0.42	28	0.08
Kd of Th-229 in Contaminated Zone	69	0.10	70	0.05	60	0.17	60	0.03
Kd of Th-229 in Unsaturated Zone 1	26	-0.33	34	-0.12	54	0.20	54	0.03
Kd of Th-229 in Saturated Zone	49	0.18	13	0.26	47	-0.24	47	-0.04
Kd of Th-230 in Contaminated Zone	66	0.11	55	0.08	48	0.23	48	0.04
Kd of Th-230 in Unsaturated Zone 1	15	-0.41	8	-0.34	72	-0.10	72	-0.02
Kd of Th-230 in Saturated Zone	16	-0.41	3	-0.58	78	0.06	78	0.01
Kd of Th-232 in Contaminated Zone	79	-0.05	77	-0.03	41	0.29	43	0.05
Kd of Th-232 in Unsaturated Zone 1	27	-0.31	40	-0.10	68	0.11	68	0.02
Kd of Th-232 in Saturated Zone	64	0.12	61	0.06	11	0.64	11	0.14
Kd of U-233 in Saturated Zone	55	0.15	54	0.08	4	0.75	4	0.19
Kd of U-234 in Saturated Zone	54	-0.16	49	-0.09	15	-0.58	15	-0.12
Kd of U-235 in Saturated Zone	35	0.24	36	0.11	16	-0.57	16	-0.11
Kd of U-238 in Saturated Zone	17	-0.40	5	-0.52	87	0.03	87	0.00
Plant transfer factor for Ac	37	0.23	46	0.09	42	0.29	41	0.05
Meat transfer factor for Ac	88	0.00	89	0.00	85	-0.03	85	-0.01
Milk transfer factor for Ac	60	-0.14	64	-0.06	45	-0.28	45	-0.05
Fish transfer factor for Ac	59	0.14	59	0.07	19	-0.54	19	-0.10
Plant transfer factor for Am	14	0.44	19	0.20	18	0.54	18	0.11
Meat transfer factor for Am	80	-0.04	80	-0.02	22	-0.49	21	-0.09
Milk transfer factor for Am	70	-0.10	74	-0.04	36	-0.35	36	-0.06
Fish transfer factor for Am	39	0.22	38	0.10	70	0.11	70	0.02
Plant transfer factor for Pb	30	-0.29	23	-0.17	46	0.28	46	0.05
Meat transfer factor for Pb	23	0.36	29	0.14	53	0.21	52	0.04
Milk transfer factor for Pb	40	-0.22	53	-0.09	62	0.14	62	0.02
Fish transfer factor for Pb	33	-0.25	52	-0.09	26	-0.44	26	-0.08
Plant transfer factor for Np	11	0.45	9	0.32	12	0.63	12	0.14
Meat transfer factor for Np	72	-0.09	75	-0.04	58	0.18	57	0.03
Milk transfer factor for Np	75	0.07	76	0.03	66	-0.13	64	-0.02
Fish transfer factor for Np	65	-0.11	60	-0.06	10	0.67	10	0.15
Plant transfer factor for Pu	43	-0.20	45	-0.09	43	0.29	42	0.05
Meat transfer factor for Pu	86	-0.01	86	0.00	77	-0.06	77	-0.01
Milk transfer factor for Pu	13	0.44	22	0.17	55	-0.20	55	-0.03
Fish transfer factor for Pu	6	0.49	14	0.24	71	-0.11	71	-0.02
Plant transfer factor for Pa	53	-0.16	44	-0.10	49	-0.22	49	-0.04
Meat transfer factor for Pa	81	-0.04	83	-0.01	27	0.43	27	0.08
Milk transfer factor for Pa	28	-0.31	37	-0.11	23	-0.48	23	-0.09
Fish transfer factor for Pa	84	-0.03	84	-0.01	81	0.05	81	0.01
Plant transfer factor for Ra	29	-0.29	48	-0.09	79	-0.05	79	-0.01
Meat transfer factor for Ra	85	-0.02	85	-0.01	38	0.33	38	0.06
Milk transfer factor for Ra	82	-0.04	82	-0.01	86	-0.03	86	0.00
Fish transfer factor for Ra	12	-0.44	21	-0.17	88	-0.02	88	0.00
Plant transfer factor for Tc	77	-0.06	73	-0.04	8	-0.69	8	-0.16
Meat transfer factor for Tc	5	-0.53	15	-0.24	84	0.03	84	0.01
Milk transfer factor for Tc	20	0.39	30	0.13	65	-0.13	66	-0.02
Fish transfer factor for Tc	51	0.17	42	0.10	73	0.08	73	0.01
Plant transfer factor for Th	8	-0.48	12	-0.26	61	-0.16	61	-0.03
Meat transfer factor for Th	9	-0.46	18	-0.20	40	-0.31	40	-0.05
Milk transfer factor for Th	56	0.15	58	0.07	75	-0.07	75	-0.01
Fish transfer factor for Th	10	-0.45	17	-0.20	37	0.34	37	0.06
Plant transfer factor for U	78	-0.06	78	-0.02	2	0.91	2	0.36
Meat transfer factor for U	18	0.40	27	0.14	24	0.48	24	0.09
Milk transfer factor for U	76	-0.06	79	-0.02	20	0.52	20	0.10
Fish transfer factor for U	74	0.08	72	0.04	69	0.11	69	0.02
Well pumping rate	83	0.04	81	0.02	52	-0.21	53	-0.03
Mass loading for inhalation	41	-0.22	62	-0.06	67	-0.13	67	-0.02
Indoor dust filtration factor	68	0.10	71	0.04	56	0.19	56	0.03
Depth of soil mixing layer	2	-0.62	11	-0.28	34	-0.37	34	-0.07
Depth of roots	38	0.23	35	0.11	1	0.96	1	0.56
Wet weight crop yield of fruit, grain and non-leafy vegetables	44	-0.20	57	-0.07	59	0.18	59	0.03
Weathering removal constant of all vegetation	24	0.34	26	0.15	89	0.01	89	0.00
Wet foliar interception fraction of leafy vegetables	45	0.19	56	0.07	44	0.29	44	0.05

R-SQUARE 0.96 0.96 0.97 0.97

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

Coefficients for peak 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	78	0.07	85	0.04	42	-0.19	43	-0.07
Kd of Ac-227 in Unsaturated Zone 1	66	-0.18	67	-0.17	20	-0.28	20	-0.10
Kd of Ac-227 in Saturated Zone	34	0.34	33	0.39	9	-0.43	9	-0.17
Kd of Am-241 in Contaminated Zone	27	-0.37	36	-0.36	21	0.27	22	0.10
Kd of Am-241 in Unsaturated Zone 1	2	0.60	1	45.45	77	0.06	77	0.02
Kd of Am-241 in Saturated Zone	63	0.20	69	0.14	81	0.05	81	0.02
Kd of Np-237 in Contaminated Zone	79	0.07	83	0.05	27	0.24	28	0.09
Kd of Np-237 in Unsaturated Zone 1	53	-0.25	45	-0.29	7	-0.45	8	-0.18
Kd of Np-237 in Saturated Zone	42	0.28	41	0.31	6	-0.46	5	-0.18
Kd of Pa-231 in Contaminated Zone	80	0.07	80	0.05	67	-0.11	67	-0.04
Kd of Pa-231 in Unsaturated Zone 1	84	-0.06	76	-0.08	5	-0.46	6	-0.18
Kd of Pa-231 in Saturated Zone	15	-0.47	7	-0.67	64	0.11	65	0.04
Kd of Pb-210 in Contaminated Zone	83	0.06	82	0.05	74	-0.07	74	-0.03
Kd of Pb-210 in Unsaturated Zone 1	59	-0.22	30	-0.40	17	0.29	17	0.11
Kd of Pb-210 in Saturated Zone	75	-0.10	74	-0.10	72	-0.09	72	-0.03
Kd of Pu-239 in Contaminated Zone	71	0.12	70	0.14	36	0.22	36	0.08
Kd of Pu-239 in Unsaturated Zone 1	31	-0.36	44	-0.29	68	-0.11	68	-0.04
Kd of Pu-239 in Saturated Zone	13	-0.48	19	-0.51	45	-0.19	45	-0.07
Kd of Ra-226 in Contaminated Zone	30	-0.36	40	-0.33	56	-0.13	57	-0.04
Kd of Ra-226 in Unsaturated Zone 1	43	0.28	46	0.28	69	-0.10	69	-0.04
Kd of Ra-226 in Saturated Zone	22	-0.41	22	-0.46	14	0.33	14	0.12
Kd of Ra-228 in Contaminated Zone	86	0.03	87	0.03	54	0.15	54	0.05
Kd of Ra-228 in Unsaturated Zone 1	24	0.38	8	0.67	83	-0.03	83	-0.01
Kd of Ra-228 in Saturated Zone	46	-0.27	54	-0.24	29	0.24	29	0.09
Kd of Tc-99 in Saturated Zone	56	-0.23	66	-0.18	58	0.12	58	0.04
Kd of Th-228 in Contaminated Zone	77	-0.08	78	-0.07	60	-0.12	60	-0.04
Kd of Th-228 in Unsaturated Zone 1	87	-0.03	79	-0.06	43	-0.19	42	-0.07
Kd of Th-228 in Saturated Zone	44	-0.28	52	-0.25	88	-0.01	88	0.00
Kd of Th-229 in Contaminated Zone	32	0.36	42	0.31	55	-0.14	55	-0.05
Kd of Th-229 in Unsaturated Zone 1	64	0.19	68	0.16	82	-0.03	82	-0.01
Kd of Th-229 in Saturated Zone	33	-0.35	25	-0.42	41	-0.20	39	-0.07
Kd of Th-230 in Contaminated Zone	20	-0.42	23	-0.45	13	-0.34	13	-0.12
Kd of Th-230 in Unsaturated Zone 1	52	-0.25	63	-0.19	26	-0.25	26	-0.09
Kd of Th-230 in Saturated Zone	69	-0.14	49	-0.25	30	-0.24	30	-0.09
Kd of Th-232 in Contaminated Zone	18	0.45	10	0.62	48	0.17	49	0.06
Kd of Th-232 in Unsaturated Zone 1	3	-0.60	2	*****	24	0.26	24	0.10
Kd of Th-232 in Saturated Zone	54	0.25	65	0.18	35	-0.22	35	-0.08
Kd of U-233 in Saturated Zone	8	-0.53	13	-0.59	84	0.03	85	0.01
Kd of U-234 in Saturated Zone	48	-0.27	39	-0.33	34	0.23	34	0.08
Kd of U-235 in Saturated Zone	38	0.30	17	0.53	11	0.40	11	0.15
Kd of U-238 in Saturated Zone	57	-0.23	24	-0.43	16	-0.32	16	-0.12
Plant transfer factor for Ac	25	0.38	14	0.59	33	-0.23	33	-0.08
Meat transfer factor for Ac	35	0.33	37	0.35	51	-0.16	51	-0.06
Milk transfer factor for Ac	45	-0.27	56	-0.22	10	-0.41	10	-0.16
Fish transfer factor for Ac	29	0.36	16	0.54	4	0.48	4	0.19
Plant transfer factor for Am	21	-0.42	31	-0.39	65	-0.11	66	-0.04
Meat transfer factor for Am	74	0.10	73	0.13	71	-0.10	71	-0.03
Milk transfer factor for Am	73	0.11	71	0.14	85	0.03	84	0.01
Fish transfer factor for Am	58	-0.23	57	-0.22	44	-0.19	44	-0.07
Plant transfer factor for Pb	37	-0.30	20	-0.51	39	0.20	40	0.07
Meat transfer factor for Pb	61	0.20	59	0.21	57	-0.13	56	-0.05
Milk transfer factor for Pb	28	0.36	35	0.37	28	0.24	27	0.09
Fish transfer factor for Pb	72	0.11	77	0.07	53	0.16	53	0.06
Plant transfer factor for Np	50	0.27	55	0.23	40	-0.20	41	-0.07
Meat transfer factor for Np	16	-0.46	26	-0.42	76	-0.06	76	-0.02
Milk transfer factor for Np	17	-0.45	5	-0.76	46	-0.19	46	-0.07
Fish transfer factor for Np	26	-0.38	12	-0.60	79	-0.05	79	-0.02
Plant transfer factor for Pu	47	-0.27	53	-0.24	59	-0.12	59	-0.04
Meat transfer factor for Pu	36	-0.31	50	-0.25	50	-0.16	50	-0.06
Milk transfer factor for Pu	76	-0.09	75	-0.09	80	-0.05	80	-0.02
Fish transfer factor for Pu	10	-0.52	29	-0.40	31	0.24	31	0.09
Plant transfer factor for Pa	55	-0.24	60	-0.21	22	0.27	21	0.10
Meat transfer factor for Pa	40	0.29	28	0.41	62	0.12	62	0.04
Milk transfer factor for Pa	62	-0.20	47	-0.27	23	0.26	23	0.10
Fish transfer factor for Pa	81	-0.06	81	-0.05	12	-0.35	12	-0.13
Plant transfer factor for Ra	41	0.28	32	0.39	3	0.55	3	0.23
Meat transfer factor for Ra	4	0.59	6	0.75	47	0.18	47	0.06
Milk transfer factor for Ra	19	0.43	27	0.41	52	0.16	52	0.06
Fish transfer factor for Ra	82	0.06	86	0.04	75	-0.07	75	-0.03
Plant transfer factor for Tc	6	-0.55	11	-0.62	87	0.02	87	0.01
Meat transfer factor for Tc	1	0.61	4	0.82	38	-0.21	37	-0.08
Milk transfer factor for Tc	11	-0.49	21	-0.49	61	-0.12	61	-0.04
Fish transfer factor for Tc	67	0.16	61	0.20	15	0.32	15	0.12
Plant transfer factor for Th	9	-0.53	15	-0.55	73	0.08	73	0.03
Meat transfer factor for Th	5	-0.56	3	-1.24	25	-0.25	25	-0.09
Milk transfer factor for Th	14	0.48	18	0.52	66	0.11	64	0.04
Fish transfer factor for Th	89	0.01	89	0.01	8	-0.43	7	-0.18
Plant transfer factor for U	39	0.29	48	0.27	2	0.71	2	0.35
Meat transfer factor for U	88	-0.03	88	-0.03	18	0.29	18	0.10
Milk transfer factor for U	70	0.13	72	0.13	86	-0.03	86	-0.01
Fish transfer factor for U	49	-0.27	43	-0.30	32	0.23	32	0.08
Well pumping rate	85	0.06	84	0.04	63	0.12	63	0.04
Mass loading for inhalation	65	0.18	58	0.21	78	-0.05	78	-0.02
Indoor dust filtration factor	7	0.53	9	0.66	37	0.21	38	0.08
Depth of soil mixing layer	60	-0.21	62	-0.20	49	0.17	48	0.06
Depth of roots	23	-0.40	34	-0.38	1	0.81	1	0.48
Wet weight crop yield of fruit, grain and non-leafy vegetables	51	0.26	51	0.25	70	0.10	70	0.04
Weathering removal constant of all vegetation	68	0.15	64	0.19	19	0.29	19	0.10
Wet foliar interception fraction of leafy vegetables	12	0.48	38	0.35	89	-0.01	89	0.00

R-SQUARE 0.83 0.83 0.89 0.89

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

Coefficients for peak 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	55	0.19	61	0.05	61	0.14	61	0.03
Kd of Ac-227 in Unsaturated Zone 1	50	0.21	57	0.06	46	-0.19	47	-0.05
Kd of Ac-227 in Saturated Zone	1	0.88	1	0.68	83	0.04	83	0.01
Kd of Am-241 in Contaminated Zone	11	-0.50	12	-0.21	79	-0.05	79	-0.01
Kd of Am-241 in Unsaturated Zone 1	25	0.36	5	0.28	67	-0.10	68	-0.02
Kd of Am-241 in Saturated Zone	85	0.04	58	0.06	35	0.28	35	0.07
Kd of Np-237 in Contaminated Zone	67	-0.13	42	-0.10	3	-0.75	3	-0.26
Kd of Np-237 in Unsaturated Zone 1	15	-0.47	6	-0.28	1	-0.89	1	-0.44
Kd of Np-237 in Saturated Zone	41	-0.26	49	-0.09	5	-0.72	5	-0.24
Kd of Pa-231 in Contaminated Zone	42	0.25	48	0.09	77	0.06	76	0.01
Kd of Pa-231 in Unsaturated Zone 1	53	-0.19	9	-0.26	84	0.03	84	0.01
Kd of Pa-231 in Saturated Zone	6	0.55	14	0.21	13	-0.49	15	-0.13
Kd of Pb-210 in Contaminated Zone	58	0.18	54	0.07	21	-0.42	21	-0.11
Kd of Pb-210 in Unsaturated Zone 1	7	0.55	3	0.39	71	-0.08	71	-0.02
Kd of Pb-210 in Saturated Zone	59	0.17	47	0.09	24	0.35	24	0.09
Kd of Pu-239 in Contaminated Zone	64	-0.14	53	-0.07	76	-0.06	77	-0.01
Kd of Pu-239 in Unsaturated Zone 1	2	0.79	2	0.51	85	0.03	85	0.01
Kd of Pu-239 in Saturated Zone	81	0.06	80	0.03	16	-0.47	16	-0.12
Kd of Ra-226 in Contaminated Zone	84	-0.04	82	-0.02	60	-0.14	60	-0.03
Kd of Ra-226 in Unsaturated Zone 1	33	0.33	28	0.14	43	-0.20	44	-0.05
Kd of Ra-226 in Saturated Zone	43	-0.25	37	-0.10	51	0.17	51	0.04
Kd of Ra-228 in Contaminated Zone	88	0.02	86	0.01	89	-0.01	89	0.00
Kd of Ra-228 in Unsaturated Zone 1	80	0.07	84	0.02	40	0.23	40	0.05
Kd of Ra-228 in Saturated Zone	23	-0.40	18	-0.20	50	-0.17	52	-0.04
Kd of Tc-99 in Saturated Zone	3	-0.65	7	-0.27	27	0.33	26	0.08
Kd of Th-228 in Contaminated Zone	49	0.22	63	0.05	74	-0.06	74	-0.01
Kd of Th-228 in Unsaturated Zone 1	27	-0.35	10	-0.25	62	-0.13	62	-0.03
Kd of Th-228 in Saturated Zone	46	-0.24	27	-0.14	54	-0.17	55	-0.04
Kd of Th-229 in Contaminated Zone	69	-0.12	75	-0.03	58	0.16	58	0.04
Kd of Th-229 in Unsaturated Zone 1	63	-0.14	38	-0.10	8	0.61	8	0.18
Kd of Th-229 in Saturated Zone	40	0.26	55	0.07	55	-0.16	53	-0.04
Kd of Th-230 in Contaminated Zone	87	0.03	87	0.01	48	-0.18	48	-0.04
Kd of Th-230 in Unsaturated Zone 1	54	0.19	39	0.10	59	-0.16	59	-0.04
Kd of Th-230 in Saturated Zone	36	-0.30	35	-0.11	23	-0.36	23	-0.09
Kd of Th-232 in Contaminated Zone	66	0.13	67	0.04	75	0.06	75	0.01
Kd of Th-232 in Unsaturated Zone 1	52	0.19	45	0.09	45	0.19	45	0.05
Kd of Th-232 in Saturated Zone	14	0.48	23	0.17	31	-0.31	31	-0.08
Kd of U-233 in Saturated Zone	19	0.45	25	0.16	73	0.07	73	0.02
Kd of U-234 in Saturated Zone	26	0.35	4	0.35	69	0.09	69	0.02
Kd of U-235 in Saturated Zone	77	-0.10	60	-0.05	26	0.33	27	0.08
Kd of U-238 in Saturated Zone	47	0.23	40	0.10	66	0.10	66	0.02
Plant transfer factor for Ac	79	0.08	83	0.02	10	-0.55	10	-0.16
Meat transfer factor for Ac	86	-0.04	88	-0.01	56	0.16	56	0.04
Milk transfer factor for Ac	83	-0.06	81	-0.02	52	0.17	50	0.04
Fish transfer factor for Ac	76	0.11	73	0.04	17	0.46	17	0.12
Plant transfer factor for Am	68	0.12	74	0.03	39	0.23	39	0.06
Meat transfer factor for Am	21	0.41	16	0.21	49	0.18	49	0.04
Milk transfer factor for Am	29	0.33	32	0.12	32	-0.31	32	-0.07
Fish transfer factor for Am	74	0.11	66	0.04	14	-0.49	13	-0.13
Plant transfer factor for Pb	20	-0.44	11	-0.21	25	0.33	25	0.08
Meat transfer factor for Pb	38	-0.28	52	-0.07	15	-0.48	14	-0.13
Milk transfer factor for Pb	45	-0.24	50	-0.08	81	-0.04	81	-0.01
Fish transfer factor for Pb	34	-0.32	41	-0.10	9	-0.56	9	-0.16
Plant transfer factor for Np	32	0.33	36	0.11	65	-0.11	65	-0.03
Meat transfer factor for Np	62	0.15	72	0.04	42	-0.20	42	-0.05
Milk transfer factor for Np	5	0.59	13	0.21	86	0.03	86	0.01
Fish transfer factor for Np	22	0.41	8	0.26	30	0.31	30	0.08
Plant transfer factor for Pu	73	0.11	78	0.03	63	-0.12	63	-0.03
Meat transfer factor for Pu	57	0.18	65	0.05	33	-0.30	33	-0.07
Milk transfer factor for Pu	65	0.13	70	0.04	28	-0.32	28	-0.08
Fish transfer factor for Pu	48	-0.23	59	-0.05	36	0.28	36	0.07
Plant transfer factor for Pa	75	-0.11	71	-0.04	18	0.45	18	0.12
Meat transfer factor for Pa	39	-0.28	56	-0.07	82	0.04	82	0.01
Milk transfer factor for Pa	17	-0.45	26	-0.15	88	-0.02	88	0.00
Fish transfer factor for Pa	35	-0.31	24	-0.16	78	-0.06	78	-0.01
Plant transfer factor for Ra	12	-0.50	21	-0.18	41	-0.21	41	-0.05
Meat transfer factor for Ra	72	0.12	64	0.05	19	0.45	20	0.11
Milk transfer factor for Ra	13	-0.49	22	-0.18	80	-0.04	80	-0.01
Fish transfer factor for Ra	31	0.33	20	0.18	87	0.02	87	0.00
Plant transfer factor for Tc	44	-0.25	51	-0.08	11	0.55	11	0.15
Meat transfer factor for Tc	30	0.33	33	0.12	44	0.19	43	0.05
Milk transfer factor for Tc	24	-0.36	34	-0.11	6	-0.68	6	-0.22
Fish transfer factor for Tc	18	-0.45	30	-0.14	29	-0.32	29	-0.08
Plant transfer factor for Th	8	-0.54	19	-0.19	72	-0.08	72	-0.02
Meat transfer factor for Th	78	-0.09	76	-0.03	47	0.19	46	0.05
Milk transfer factor for Th	28	0.34	44	0.09	12	0.51	12	0.14
Fish transfer factor for Th	37	-0.30	43	-0.10	68	-0.10	67	-0.02
Plant transfer factor for U	10	0.51	29	0.14	2	0.80	2	0.31
Meat transfer factor for U	4	0.61	17	0.20	70	0.09	70	0.02
Milk transfer factor for U	61	-0.16	68	-0.04	20	0.44	19	0.12
Fish transfer factor for U	56	-0.19	62	-0.05	57	-0.16	57	-0.04
Well pumping rate	60	0.16	69	0.04	38	-0.24	38	-0.06
Mass loading for inhalation	16	-0.46	31	-0.12	37	-0.26	37	-0.06
Indoor dust filtration factor	82	0.06	85	0.02	22	0.39	22	0.10
Depth of soil mixing layer	89	0.01	89	0.00	34	0.29	34	0.07
Depth of roots	70	-0.12	79	-0.03	4	0.73	4	0.25
Wet weight crop yield of fruit, grain and non-leafy vegetables	71	-0.12	77	-0.03	53	0.17	54	0.04
Weathering removal constant of all vegetation	9	0.52	15	0.21	64	0.11	64	0.03
Wet foliar interception fraction of leafy vegetables	51	-0.20	46	-0.09	7	-0.63	7	-0.19

R-SQUARE 0.98 0.98 0.95 0.95

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

Coefficients for peak 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	53	-0.19	43	-0.15	31	0.41	32	0.07
Kd of Ac-227 in Unsaturated Zone 1	76	-0.06	69	-0.04	29	-0.42	29	-0.07
Kd of Ac-227 in Saturated Zone	9	-0.53	30	-0.20	38	-0.38	38	-0.06
Kd of Am-241 in Contaminated Zone	63	0.16	63	0.07	53	0.25	53	0.04
Kd of Am-241 in Unsaturated Zone 1	30	0.39	3	0.87	61	0.20	61	0.03
Kd of Am-241 in Saturated Zone	42	-0.29	25	-0.22	13	-0.62	14	-0.11
Kd of Np-237 in Contaminated Zone	6	-0.60	11	-0.44	2	-0.93	2	-0.38
Kd of Np-237 in Unsaturated Zone 1	88	0.00	88	0.00	1	-0.95	1	-0.44
Kd of Np-237 in Saturated Zone	16	-0.48	9	-0.46	4	-0.90	4	-0.29
Kd of Pa-231 in Contaminated Zone	66	-0.11	65	-0.05	28	-0.44	28	-0.07
Kd of Pa-231 in Unsaturated Zone 1	70	-0.10	68	-0.05	10	-0.63	11	-0.12
Kd of Pa-231 in Saturated Zone	1	0.74	8	0.50	57	-0.23	58	-0.03
Kd of Pb-210 in Contaminated Zone	20	0.46	5	0.73	70	0.13	70	0.02
Kd of Pb-210 in Unsaturated Zone 1	7	-0.59	10	-0.44	83	0.04	83	0.01
Kd of Pb-210 in Saturated Zone	54	0.19	59	0.09	86	0.02	86	0.00
Kd of Pu-239 in Contaminated Zone	23	-0.44	26	-0.22	78	-0.08	78	-0.01
Kd of Pu-239 in Unsaturated Zone 1	77	0.06	70	0.04	36	0.39	36	0.06
Kd of Pu-239 in Saturated Zone	46	0.23	17	0.29	39	0.36	39	0.06
Kd of Ra-226 in Contaminated Zone	8	0.54	19	0.28	27	-0.47	27	-0.08
Kd of Ra-226 in Unsaturated Zone 1	5	0.60	13	0.42	41	-0.34	41	-0.05
Kd of Ra-226 in Saturated Zone	11	0.51	1	0.94	17	0.59	18	0.11
Kd of Ra-228 in Contaminated Zone	27	-0.40	2	-0.89	35	-0.40	35	-0.06
Kd of Ra-228 in Unsaturated Zone 1	15	0.49	20	0.27	77	-0.09	77	-0.01
Kd of Ra-228 in Saturated Zone	12	0.51	15	0.39	64	-0.18	64	-0.03
Kd of Tc-99 in Saturated Zone	80	-0.04	77	-0.03	44	0.32	45	0.05
Kd of Th-228 in Contaminated Zone	33	0.33	42	0.16	62	-0.19	62	-0.03
Kd of Th-228 in Unsaturated Zone 1	18	-0.47	18	-0.28	71	-0.12	71	-0.02
Kd of Th-228 in Saturated Zone	72	0.08	75	0.03	25	0.52	26	0.09
Kd of Th-229 in Contaminated Zone	36	0.31	36	0.18	88	-0.01	88	0.00
Kd of Th-229 in Unsaturated Zone 1	67	-0.10	74	-0.04	40	-0.35	40	-0.05
Kd of Th-229 in Saturated Zone	37	-0.31	7	-0.52	46	0.32	46	0.05
Kd of Th-230 in Contaminated Zone	51	0.20	39	0.17	79	-0.07	79	-0.01
Kd of Th-230 in Unsaturated Zone 1	22	-0.44	14	-0.40	33	0.41	33	0.06
Kd of Th-230 in Saturated Zone	17	-0.47	4	-0.77	85	0.03	85	0.00
Kd of Th-232 in Contaminated Zone	81	0.04	81	0.02	54	0.25	55	0.04
Kd of Th-232 in Unsaturated Zone 1	64	-0.15	66	-0.05	84	0.04	84	0.01
Kd of Th-232 in Saturated Zone	50	-0.21	48	-0.12	74	-0.10	74	-0.01
Kd of U-233 in Saturated Zone	48	0.22	46	0.13	76	0.09	76	0.01
Kd of U-234 in Saturated Zone	44	-0.26	38	-0.17	32	-0.41	31	-0.07
Kd of U-235 in Saturated Zone	60	-0.18	56	-0.09	8	-0.65	9	-0.12
Kd of U-238 in Saturated Zone	65	-0.13	37	-0.18	72	-0.11	72	-0.02
Plant transfer factor for Ac	38	0.31	44	0.14	81	-0.06	81	-0.01
Meat transfer factor for Ac	28	-0.39	27	-0.22	37	-0.38	37	-0.06
Milk transfer factor for Ac	59	-0.18	60	-0.09	87	0.01	87	0.00
Fish transfer factor for Ac	74	-0.07	73	-0.04	34	-0.40	34	-0.06
Plant transfer factor for Am	57	0.19	58	0.09	15	0.61	15	0.11
Meat transfer factor for Am	49	0.21	50	0.11	14	-0.61	13	-0.12
Milk transfer factor for Am	26	-0.41	32	-0.19	58	-0.23	56	-0.04
Fish transfer factor for Am	25	0.42	22	0.24	20	0.57	20	0.10
Plant transfer factor for Pb	86	-0.02	86	-0.01	73	0.11	73	0.02
Meat transfer factor for Pb	3	0.67	16	0.36	22	-0.55	21	-0.10
Milk transfer factor for Pb	14	-0.50	21	-0.25	82	-0.05	82	-0.01
Fish transfer factor for Pb	69	-0.10	72	-0.04	9	-0.65	8	-0.12
Plant transfer factor for Np	4	0.62	6	0.56	6	0.82	6	0.21
Meat transfer factor for Np	29	-0.39	33	-0.18	51	-0.28	51	-0.04
Milk transfer factor for Np	83	0.03	84	0.01	47	0.30	47	0.05
Fish transfer factor for Np	78	-0.05	76	-0.03	11	0.63	10	0.12
Plant transfer factor for Pu	52	0.20	52	0.10	19	-0.59	19	-0.11
Meat transfer factor for Pu	47	-0.23	57	-0.09	30	-0.42	30	-0.07
Milk transfer factor for Pu	34	0.32	47	0.13	45	-0.32	44	-0.05
Fish transfer factor for Pu	89	0.00	89	0.00	49	-0.29	49	-0.05
Plant transfer factor for Pa	41	-0.29	28	-0.20	89	0.00	89	0.00
Meat transfer factor for Pa	68	0.10	71	0.04	52	0.27	52	0.04
Milk transfer factor for Pa	32	-0.34	45	-0.14	16	-0.60	16	-0.11
Fish transfer factor for Pa	84	0.03	85	0.01	69	-0.13	69	-0.02
Plant transfer factor for Ra	19	-0.47	35	-0.18	48	0.30	48	0.05
Meat transfer factor for Ra	87	0.01	87	0.01	23	0.54	23	0.09
Milk transfer factor for Ra	82	-0.04	82	-0.02	24	-0.54	24	-0.09
Fish transfer factor for Ra	10	0.52	23	0.24	42	0.33	42	0.05
Plant transfer factor for Tc	85	-0.02	83	-0.02	7	-0.67	7	-0.13
Meat transfer factor for Tc	55	-0.19	61	-0.08	50	0.28	50	0.04
Milk transfer factor for Tc	56	0.19	64	0.07	56	-0.23	57	-0.03
Fish transfer factor for Tc	62	0.18	49	0.11	68	0.15	68	0.02
Plant transfer factor for Th	61	-0.18	55	-0.10	67	-0.15	67	-0.02
Meat transfer factor for Th	45	-0.23	51	-0.10	21	-0.55	22	-0.10
Milk transfer factor for Th	40	0.29	41	0.16	55	0.25	54	0.04
Fish transfer factor for Th	2	-0.70	12	-0.44	80	-0.07	80	-0.01
Plant transfer factor for U	21	-0.46	24	-0.23	5	0.88	5	0.26
Meat transfer factor for U	43	0.27	54	0.10	60	-0.21	60	-0.03
Milk transfer factor for U	13	-0.51	31	-0.19	12	0.62	12	0.12
Fish transfer factor for U	71	0.09	67	0.05	66	-0.16	66	-0.02
Well pumping rate	31	0.35	34	0.18	43	0.33	43	0.05
Mass loading for inhalation	35	-0.31	53	-0.10	65	-0.16	65	-0.02
Indoor dust filtration factor	73	0.08	78	0.03	26	0.52	25	0.09
Depth of soil mixing layer	58	-0.19	62	-0.07	75	0.10	75	0.01
Depth of roots	39	0.30	40	0.17	3	0.92	3	0.35
Wet weight crop yield of fruit, grain and non-leafy vegetables	75	-0.06	79	-0.03	18	0.59	17	0.11
Weathering removal constant of all vegetation	79	0.05	80	0.02	63	0.18	63	0.03
Wet foliar interception fraction of leafy vegetables	24	-0.43	29	-0.20	59	0.21	59	0.03

R-SQUARE 0.95 0.95 0.98 0.98

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

Coefficients for peak 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	62	-0.10	66	-0.03	71	-0.11	71	-0.02
Kd of Ac-227 in Unsaturated Zone 1	81	0.03	83	0.02	63	-0.15	63	-0.03
Kd of Ac-227 in Saturated Zone	47	-0.15	41	-0.09	8	-0.66	8	-0.20
Kd of Am-241 in Contaminated Zone	25	-0.25	29	-0.12	57	0.20	57	0.05
Kd of Am-241 in Unsaturated Zone 1	18	0.30	1	9.75	40	0.28	40	0.07
Kd of Am-241 in Saturated Zone	30	0.21	46	0.08	47	0.24	47	0.06
Kd of Np-237 in Contaminated Zone	67	-0.07	74	-0.03	7	-0.69	7	-0.21
Kd of Np-237 in Unsaturated Zone 1	63	-0.10	58	-0.06	1	-0.87	1	-0.39
Kd of Np-237 in Saturated Zone	28	0.23	26	0.13	2	-0.82	2	-0.32
Kd of Pa-231 in Contaminated Zone	77	0.04	80	0.02	60	-0.17	60	-0.04
Kd of Pa-231 in Unsaturated Zone 1	13	-0.37	8	-0.27	12	-0.57	12	-0.16
Kd of Pa-231 in Saturated Zone	42	-0.18	30	-0.11	35	0.30	35	0.07
Kd of Pb-210 in Contaminated Zone	34	-0.20	42	-0.08	19	-0.46	19	-0.11
Kd of Pb-210 in Unsaturated Zone 1	80	-0.04	67	-0.03	50	0.23	50	0.05
Kd of Pb-210 in Saturated Zone	72	-0.06	70	-0.03	44	-0.26	44	-0.06
Kd of Pu-239 in Contaminated Zone	55	-0.14	45	-0.08	45	0.26	45	0.06
Kd of Pu-239 in Unsaturated Zone 1	60	-0.10	64	-0.04	69	-0.11	70	-0.02
Kd of Pu-239 in Saturated Zone	48	-0.15	50	-0.07	17	-0.48	17	-0.12
Kd of Ra-226 in Contaminated Zone	22	-0.27	27	-0.12	73	-0.10	74	-0.02
Kd of Ra-226 in Unsaturated Zone 1	8	0.42	11	0.22	26	-0.36	26	-0.09
Kd of Ra-226 in Saturated Zone	20	-0.30	18	-0.16	28	0.35	28	0.08
Kd of Ra-228 in Contaminated Zone	33	0.20	38	0.10	82	0.04	82	0.01
Kd of Ra-228 in Unsaturated Zone 1	9	0.42	6	0.37	86	0.03	86	0.01
Kd of Ra-228 in Saturated Zone	40	-0.18	44	-0.08	31	0.32	31	0.08
Kd of Tc-99 in Saturated Zone	70	-0.07	75	-0.03	53	0.20	54	0.05
Kd of Th-228 in Contaminated Zone	15	-0.33	22	-0.15	75	-0.09	75	-0.02
Kd of Th-228 in Unsaturated Zone 1	87	-0.02	84	-0.01	59	-0.17	59	-0.04
Kd of Th-228 in Saturated Zone	26	-0.23	34	-0.10	87	0.02	87	0.01
Kd of Th-229 in Contaminated Zone	73	-0.06	78	-0.02	34	-0.30	36	-0.07
Kd of Th-229 in Unsaturated Zone 1	49	0.15	55	0.06	27	0.35	27	0.09
Kd of Th-229 in Saturated Zone	83	0.03	79	0.02	84	-0.04	84	-0.01
Kd of Th-230 in Contaminated Zone	59	-0.11	59	-0.05	14	-0.52	14	-0.13
Kd of Th-230 in Unsaturated Zone 1	45	-0.16	57	-0.06	79	-0.06	79	-0.01
Kd of Th-230 in Saturated Zone	43	0.17	21	0.15	52	-0.21	52	-0.05
Kd of Th-232 in Contaminated Zone	58	-0.11	53	-0.07	70	0.11	69	0.02
Kd of Th-232 in Unsaturated Zone 1	21	-0.29	2	-9.33	20	0.43	20	0.11
Kd of Th-232 in Saturated Zone	38	0.19	52	0.07	15	-0.51	15	-0.13
Kd of U-233 in Saturated Zone	82	-0.03	82	-0.02	72	-0.10	72	-0.02
Kd of U-234 in Saturated Zone	36	-0.20	28	-0.12	10	0.59	10	0.17
Kd of U-235 in Saturated Zone	2	0.59	4	0.63	6	0.70	6	0.23
Kd of U-238 in Saturated Zone	14	-0.33	7	-0.32	25	-0.36	25	-0.09
Plant transfer factor for Ac	86	-0.02	86	-0.01	29	-0.34	29	-0.08
Meat transfer factor for Ac	75	0.05	76	0.03	78	-0.06	78	-0.01
Milk transfer factor for Ac	89	0.00	89	0.00	16	-0.49	16	-0.13
Fish transfer factor for Ac	79	0.04	73	0.03	13	0.53	13	0.14
Plant transfer factor for Am	3	-0.50	10	-0.25	85	0.03	85	0.01
Meat transfer factor for Am	88	-0.01	88	-0.01	46	-0.24	46	-0.06
Milk transfer factor for Am	32	0.21	25	0.14	62	-0.15	62	-0.03
Fish transfer factor for Am	16	-0.32	20	-0.16	55	-0.20	56	-0.05
Plant transfer factor for Pb	74	0.05	62	0.04	9	0.63	9	0.18
Meat transfer factor for Pb	23	0.27	24	0.14	30	-0.33	30	-0.08
Milk transfer factor for Pb	31	0.21	36	0.10	32	0.31	32	0.08
Fish transfer factor for Pb	1	0.93	3	0.84	23	0.40	23	0.10
Plant transfer factor for Np	54	0.14	56	0.06	88	0.02	88	0.00
Meat transfer factor for Np	61	-0.10	61	-0.04	58	0.19	58	0.04
Milk transfer factor for Np	85	0.02	85	0.01	38	-0.28	39	-0.07
Fish transfer factor for Np	24	-0.26	15	-0.20	49	0.23	49	0.05
Plant transfer factor for Pu	29	0.22	37	0.10	48	-0.23	48	-0.05
Meat transfer factor for Pu	78	0.04	81	0.02	66	-0.13	66	-0.03
Milk transfer factor for Pu	84	-0.02	87	-0.01	51	-0.21	51	-0.05
Fish transfer factor for Pu	7	-0.44	19	-0.16	21	0.43	21	0.11
Plant transfer factor for Pa	69	-0.07	71	-0.03	33	0.30	33	0.07
Meat transfer factor for Pa	50	-0.15	33	-0.10	37	0.29	37	0.07
Milk transfer factor for Pa	17	-0.31	12	-0.22	89	-0.02	89	0.00
Fish transfer factor for Pa	44	-0.17	51	-0.07	76	-0.09	76	-0.02
Plant transfer factor for Ra	53	0.14	39	0.09	5	0.74	5	0.25
Meat transfer factor for Ra	51	0.15	48	0.08	56	-0.20	55	-0.05
Milk transfer factor for Ra	68	-0.07	68	-0.03	36	-0.30	34	-0.07
Fish transfer factor for Ra	57	-0.12	65	-0.04	24	-0.39	24	-0.10
Plant transfer factor for Tc	46	-0.16	49	-0.07	74	-0.10	73	-0.02
Meat transfer factor for Tc	6	0.44	9	0.27	64	-0.14	64	-0.03
Milk transfer factor for Tc	41	-0.18	47	-0.08	54	-0.20	53	-0.05
Fish transfer factor for Tc	64	0.08	60	0.05	43	0.27	42	0.06
Plant transfer factor for Th	11	-0.39	16	-0.19	81	0.04	81	0.01
Meat transfer factor for Th	4	-0.48	5	-0.50	22	-0.43	22	-0.11
Milk transfer factor for Th	10	0.40	13	0.21	83	0.04	83	0.01
Fish transfer factor for Th	65	0.08	72	0.03	39	-0.28	38	-0.07
Plant transfer factor for U	37	0.19	40	0.09	4	0.76	4	0.26
Meat transfer factor for U	35	-0.20	31	-0.11	61	0.16	61	0.04
Milk transfer factor for U	56	-0.13	54	-0.07	65	-0.13	65	-0.03
Fish transfer factor for U	39	-0.19	32	-0.10	68	-0.12	68	-0.03
Well pumping rate	66	0.08	69	0.03	67	0.13	67	0.03
Mass loading for inhalation	52	-0.14	43	-0.08	41	-0.27	41	-0.06
Indoor dust filtration factor	76	0.05	77	0.02	42	0.27	43	0.06
Depth of soil mixing layer	19	0.30	23	0.15	18	0.47	18	0.12
Depth of roots	27	-0.23	35	-0.10	3	0.79	3	0.29
Wet weight crop yield of fruit, grain and non-leafy vegetables	12	0.39	14	0.20	11	0.59	11	0.17
Weathering removal constant of all vegetation	71	-0.07	63	-0.04	77	0.06	77	0.01
Wet foliar interception fraction of leafy vegetables	5	0.46	17	0.17	80	0.05	80	0.01

R-SQUARE 0.96 0.96 0.95 0.95

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

Coefficients for peak 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	56	-0.44	62	-0.14	89	-0.01	89	0.00
Kd of Ac-227 in Unsaturated Zone 1	50	0.51	56	0.18	24	0.29	25	0.06
Kd of Ac-227 in Saturated Zone	41	0.58	39	0.28	84	-0.03	84	-0.01
Kd of Am-241 in Contaminated Zone	25	-0.69	29	-0.37	52	-0.14	52	-0.03
Kd of Am-241 in Unsaturated Zone 1	10	0.81	4	1.09	33	0.25	34	0.05
Kd of Am-241 in Saturated Zone	42	0.58	5	1.03	8	-0.45	8	-0.11
Kd of Np-237 in Contaminated Zone	30	-0.65	10	-0.69	69	-0.09	70	-0.02
Kd of Np-237 in Unsaturated Zone 1	12	-0.80	8	-0.73	13	0.40	13	0.09
Kd of Np-237 in Saturated Zone	63	0.37	64	0.14	34	0.25	33	0.05
Kd of Pa-231 in Contaminated Zone	70	-0.25	70	-0.09	32	0.26	30	0.06
Kd of Pa-231 in Unsaturated Zone 1	33	-0.64	3	-1.15	47	0.16	47	0.03
Kd of Pa-231 in Saturated Zone	48	-0.55	51	-0.22	75	-0.06	75	-0.01
Kd of Pb-210 in Contaminated Zone	5	0.85	11	0.68	73	-0.08	72	-0.02
Kd of Pb-210 in Unsaturated Zone 1	38	-0.60	20	-0.48	20	-0.33	20	-0.07
Kd of Pb-210 in Saturated Zone	62	-0.37	50	-0.22	71	0.08	71	0.02
Kd of Pu-239 in Contaminated Zone	53	-0.50	35	-0.32	26	0.28	26	0.06
Kd of Pu-239 in Unsaturated Zone 1	36	-0.61	32	-0.33	23	-0.30	23	-0.07
Kd of Pu-239 in Saturated Zone	81	0.07	79	0.03	40	0.22	41	0.05
Kd of Ra-226 in Contaminated Zone	73	0.20	68	0.11	11	0.41	11	0.10
Kd of Ra-226 in Unsaturated Zone 1	49	0.52	40	0.27	30	0.26	31	0.06
Kd of Ra-226 in Saturated Zone	9	-0.82	13	-0.59	87	-0.01	87	0.00
Kd of Ra-228 in Contaminated Zone	43	0.57	18	0.51	60	0.12	62	0.03
Kd of Ra-228 in Unsaturated Zone 1	19	0.74	36	0.31	63	-0.12	63	-0.03
Kd of Ra-228 in Saturated Zone	46	-0.56	33	-0.33	22	0.31	22	0.07
Kd of Tc-99 in Saturated Zone	65	0.34	65	0.12	12	0.41	12	0.10
Kd of Th-228 in Contaminated Zone	2	-0.90	24	-0.45	16	0.36	16	0.08
Kd of Th-228 in Unsaturated Zone 1	18	-0.75	6	-0.84	55	0.13	55	0.03
Kd of Th-228 in Saturated Zone	61	0.38	42	0.26	72	-0.08	73	-0.02
Kd of Th-229 in Contaminated Zone	87	-0.03	87	-0.01	88	-0.01	88	0.00
Kd of Th-229 in Unsaturated Zone 1	1	-0.90	1	-1.60	74	0.07	74	0.02
Kd of Th-229 in Saturated Zone	80	0.08	82	0.02	76	-0.06	76	-0.01
Kd of Th-230 in Contaminated Zone	24	0.69	26	0.41	2	0.90	2	0.43
Kd of Th-230 in Unsaturated Zone 1	88	-0.01	88	-0.01	86	0.02	86	0.00
Kd of Th-230 in Saturated Zone	23	-0.70	30	-0.36	67	-0.10	67	-0.02
Kd of Th-232 in Contaminated Zone	8	0.82	19	0.51	1	0.96	1	0.70
Kd of Th-232 in Unsaturated Zone 1	15	0.76	15	0.57	29	-0.26	29	-0.06
Kd of Th-232 in Saturated Zone	57	0.41	58	0.15	10	-0.43	10	-0.10
Kd of U-233 in Saturated Zone	26	-0.68	34	-0.32	78	-0.05	78	-0.01
Kd of U-234 in Saturated Zone	14	0.76	2	1.18	3	-0.60	3	-0.16
Kd of U-235 in Saturated Zone	55	-0.45	38	-0.28	50	0.15	50	0.03
Kd of U-238 in Saturated Zone	13	0.79	14	0.58	45	-0.18	45	-0.04
Plant transfer factor for Ac	69	-0.28	69	-0.09	15	0.36	15	0.08
Meat transfer factor for Ac	35	-0.62	45	-0.24	49	0.15	49	0.03
Milk transfer factor for Ac	37	-0.60	31	-0.34	59	0.12	57	0.03
Fish transfer factor for Ac	3	0.89	7	0.76	64	0.12	64	0.02
Plant transfer factor for Am	83	-0.05	84	-0.01	21	0.33	21	0.07
Meat transfer factor for Am	11	0.81	12	0.67	9	0.44	9	0.10
Milk transfer factor for Am	52	-0.50	53	-0.21	80	0.03	80	0.01
Fish transfer factor for Am	66	-0.34	59	-0.15	51	0.14	51	0.03
Plant transfer factor for Pb	34	0.63	28	0.38	14	0.38	14	0.09
Meat transfer factor for Pb	40	0.59	54	0.20	25	-0.29	24	-0.07
Milk transfer factor for Pb	85	0.04	83	0.02	31	-0.26	32	-0.06
Fish transfer factor for Pb	45	0.57	52	0.22	61	-0.12	60	-0.03
Plant transfer factor for Np	79	0.09	80	0.03	37	0.23	38	0.05
Meat transfer factor for Np	29	0.66	43	0.26	54	0.13	54	0.03
Milk transfer factor for Np	86	-0.04	85	-0.01	79	-0.05	79	-0.01
Fish transfer factor for Np	17	0.75	9	0.71	19	0.33	19	0.07
Plant transfer factor for Pu	89	0.00	89	0.00	35	-0.24	35	-0.05
Meat transfer factor for Pu	68	0.30	71	0.08	7	0.46	7	0.11
Milk transfer factor for Pu	77	-0.11	75	-0.04	85	0.02	85	0.01
Fish transfer factor for Pu	76	-0.13	78	-0.03	53	0.14	53	0.03
Plant transfer factor for Pa	20	0.71	27	0.40	28	-0.26	28	-0.06
Meat transfer factor for Pa	84	-0.05	86	-0.01	83	-0.03	83	-0.01
Milk transfer factor for Pa	58	-0.41	63	-0.14	56	0.12	56	0.03
Fish transfer factor for Pa	31	0.65	22	0.46	43	-0.21	43	-0.05
Plant transfer factor for Ra	72	-0.21	73	-0.07	82	-0.03	82	-0.01
Meat transfer factor for Ra	22	-0.71	25	-0.43	4	-0.58	4	-0.15
Milk transfer factor for Ra	59	-0.40	61	-0.14	70	0.08	69	0.02
Fish transfer factor for Ra	60	0.38	46	0.23	81	0.03	81	0.01
Plant transfer factor for Tc	64	0.34	67	0.12	39	0.22	39	0.05
Meat transfer factor for Tc	82	0.07	81	0.02	66	-0.11	66	-0.02
Milk transfer factor for Tc	78	0.11	77	0.03	44	0.18	44	0.04
Fish transfer factor for Tc	21	0.71	37	0.29	68	-0.09	68	-0.02
Plant transfer factor for Th	71	0.23	72	0.07	57	0.12	58	0.03
Meat transfer factor for Th	67	-0.31	66	-0.12	58	-0.12	59	-0.03
Milk transfer factor for Th	4	0.86	21	0.47	27	0.27	27	0.06
Fish transfer factor for Th	44	0.57	48	0.22	38	0.23	37	0.05
Plant transfer factor for U	75	0.14	76	0.04	6	0.48	6	0.12
Meat transfer factor for U	32	0.65	44	0.24	36	0.24	36	0.05
Milk transfer factor for U	39	-0.59	49	-0.22	65	-0.11	65	-0.02
Fish transfer factor for U	27	-0.68	41	-0.26	77	-0.05	77	-0.01
Well pumping rate	6	0.84	23	0.45	62	-0.12	61	-0.03
Mass loading for inhalation	54	0.49	60	0.14	46	0.17	46	0.04
Indoor dust filtration factor	51	-0.50	57	-0.16	18	-0.34	18	-0.08
Depth of soil mixing layer	74	-0.15	74	-0.04	5	0.51	5	0.13
Depth of roots	28	-0.67	47	-0.23	48	0.15	48	0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	47	0.56	55	0.19	17	0.35	17	0.08
Weathering removal constant of all vegetation	7	0.84	16	0.56	41	0.22	40	0.05
Wet foliar interception fraction of leafy vegetables	16	0.76	17	0.53	42	0.22	42	0.05

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 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	13	0.31	8	0.68	69	-0.09	69	-0.01
Kd of Ac-227 in Unsaturated Zone 1	12	0.31	9	0.60	31	0.29	31	0.04
Kd of Ac-227 in Saturated Zone	59	0.14	70	0.11	49	-0.23	49	-0.03
Kd of Am-241 in Contaminated Zone	27	0.24	37	0.28	47	-0.24	47	-0.03
Kd of Am-241 in Unsaturated Zone 1	28	0.23	3	1.32	3	0.60	3	0.11
Kd of Am-241 in Saturated Zone	49	-0.16	29	-0.30	35	-0.28	34	-0.04
Kd of Np-237 in Contaminated Zone	53	0.15	46	0.24	22	-0.37	22	-0.06
Kd of Np-237 in Unsaturated Zone 1	58	-0.14	65	-0.15	79	0.05	79	0.01
Kd of Np-237 in Saturated Zone	43	0.17	22	0.39	42	-0.26	42	-0.04
Kd of Pa-231 in Contaminated Zone	31	-0.23	30	-0.30	50	0.22	50	0.03
Kd of Pa-231 in Unsaturated Zone 1	23	-0.26	28	-0.33	61	0.14	61	0.02
Kd of Pa-231 in Saturated Zone	37	-0.20	45	-0.25	65	0.13	65	0.02
Kd of Pb-210 in Contaminated Zone	17	-0.30	5	-1.14	80	-0.05	80	-0.01
Kd of Pb-210 in Unsaturated Zone 1	89	0.00	88	0.00	12	-0.48	12	-0.08
Kd of Pb-210 in Saturated Zone	32	-0.23	39	-0.27	53	-0.21	53	-0.03
Kd of Pu-239 in Contaminated Zone	79	-0.06	80	-0.07	26	0.32	26	0.05
Kd of Pu-239 in Unsaturated Zone 1	80	0.05	72	0.10	33	-0.28	35	-0.04
Kd of Pu-239 in Saturated Zone	46	0.16	13	0.53	48	-0.24	48	-0.03
Kd of Ra-226 in Contaminated Zone	4	0.38	15	0.47	43	-0.26	44	-0.04
Kd of Ra-226 in Unsaturated Zone 1	57	-0.14	51	-0.21	57	-0.17	57	-0.02
Kd of Ra-226 in Saturated Zone	10	-0.32	2	-1.39	71	-0.09	71	-0.01
Kd of Ra-228 in Contaminated Zone	20	-0.27	1	-1.48	82	0.04	82	0.01
Kd of Ra-228 in Unsaturated Zone 1	15	0.30	21	0.40	66	0.12	66	0.02
Kd of Ra-228 in Saturated Zone	29	-0.23	18	-0.41	32	0.29	32	0.04
Kd of Tc-99 in Saturated Zone	2	-0.41	7	-0.94	88	-0.02	88	0.00
Kd of Th-228 in Contaminated Zone	55	-0.14	60	-0.17	14	0.46	14	0.07
Kd of Th-228 in Unsaturated Zone 1	5	-0.35	14	-0.52	17	0.41	17	0.06
Kd of Th-228 in Saturated Zone	8	-0.33	19	-0.41	5	0.56	5	0.10
Kd of Th-229 in Contaminated Zone	88	0.00	89	0.00	41	0.27	41	0.04
Kd of Th-229 in Unsaturated Zone 1	50	-0.16	64	-0.15	18	0.40	18	0.06
Kd of Th-229 in Saturated Zone	19	0.27	4	1.20	77	-0.05	77	-0.01
Kd of Th-230 in Contaminated Zone	66	-0.12	43	-0.26	2	0.88	2	0.27
Kd of Th-230 in Unsaturated Zone 1	39	-0.19	17	-0.43	37	-0.28	38	-0.04
Kd of Th-230 in Saturated Zone	18	0.28	6	1.12	54	0.20	54	0.03
Kd of Th-232 in Contaminated Zone	61	-0.13	59	-0.18	1	0.99	1	0.88
Kd of Th-232 in Unsaturated Zone 1	16	0.30	34	0.29	7	0.55	7	0.10
Kd of Th-232 in Saturated Zone	6	0.34	10	0.56	67	-0.10	67	-0.02
Kd of U-233 in Saturated Zone	45	-0.17	42	-0.26	63	-0.13	63	-0.02
Kd of U-234 in Saturated Zone	44	0.17	35	0.29	4	-0.58	4	-0.10
Kd of U-235 in Saturated Zone	70	0.10	67	0.14	11	-0.52	11	-0.09
Kd of U-238 in Saturated Zone	75	-0.08	40	-0.27	28	0.30	28	0.05
Plant transfer factor for Ac	38	0.20	47	0.23	58	0.16	58	0.02
Meat transfer factor for Ac	63	0.13	58	0.18	25	0.32	25	0.05
Milk transfer factor for Ac	85	0.01	85	0.02	81	0.05	81	0.01
Fish transfer factor for Ac	77	0.06	77	0.09	74	-0.07	75	-0.01
Plant transfer factor for Am	60	0.13	63	0.16	44	0.26	43	0.04
Meat transfer factor for Am	67	-0.12	61	-0.16	6	-0.55	6	-0.10
Milk transfer factor for Am	1	0.43	12	0.53	62	0.13	62	0.02
Fish transfer factor for Am	51	0.15	50	0.21	76	0.06	76	0.01
Plant transfer factor for Pb	65	-0.12	52	-0.21	13	0.47	13	0.08
Meat transfer factor for Pb	22	0.26	38	0.28	70	0.09	70	0.01
Milk transfer factor for Pb	47	-0.16	54	-0.19	23	0.35	23	0.05
Fish transfer factor for Pb	78	-0.06	81	-0.06	85	-0.03	85	0.00
Plant transfer factor for Np	68	0.11	49	0.21	56	-0.18	56	-0.03
Meat transfer factor for Np	71	0.09	73	0.10	38	0.28	36	0.04
Milk transfer factor for Np	25	0.24	31	0.30	40	-0.27	39	-0.04
Fish transfer factor for Np	36	-0.21	26	-0.35	45	0.25	45	0.04
Plant transfer factor for Pu	40	-0.19	41	-0.26	9	-0.53	10	-0.09
Meat transfer factor for Pu	41	-0.18	55	-0.18	39	-0.28	40	-0.04
Milk transfer factor for Pu	52	0.15	62	0.16	27	-0.31	27	-0.05
Fish transfer factor for Pu	14	0.30	20	0.40	86	-0.03	86	0.00
Plant transfer factor for Pa	69	-0.10	56	-0.18	59	-0.15	59	-0.02
Meat transfer factor for Pa	64	0.13	69	0.13	60	0.15	60	0.02
Milk transfer factor for Pa	82	-0.04	82	-0.04	34	0.28	33	0.04
Fish transfer factor for Pa	76	-0.07	75	-0.09	16	-0.42	16	-0.07
Plant transfer factor for Ra	83	-0.03	84	-0.03	15	0.43	15	0.07
Meat transfer factor for Ra	35	0.21	36	0.29	68	-0.10	68	-0.01
Milk transfer factor for Ra	9	-0.32	25	-0.35	30	0.30	30	0.04
Fish transfer factor for Ra	73	-0.08	78	-0.09	55	-0.19	55	-0.03
Plant transfer factor for Tc	87	-0.01	86	-0.02	78	-0.05	78	-0.01
Meat transfer factor for Tc	48	-0.16	57	-0.18	10	-0.53	9	-0.09
Milk transfer factor for Tc	56	0.14	68	0.13	46	0.25	46	0.04
Fish transfer factor for Tc	34	0.21	27	0.34	52	-0.21	52	-0.03
Plant transfer factor for Th	42	-0.18	44	-0.25	72	0.09	72	0.01
Meat transfer factor for Th	74	-0.08	76	-0.09	19	0.39	19	0.06
Milk transfer factor for Th	21	0.27	23	0.38	87	-0.02	87	0.00
Fish transfer factor for Th	26	-0.24	33	-0.29	75	0.07	74	0.01
Plant transfer factor for U	24	-0.24	32	-0.30	73	-0.09	73	-0.01
Meat transfer factor for U	54	-0.14	66	-0.14	51	-0.22	51	-0.03
Milk transfer factor for U	62	-0.13	71	-0.11	64	-0.13	64	-0.02
Fish transfer factor for U	81	-0.05	79	-0.07	20	-0.39	20	-0.06
Well pumping rate	7	-0.33	16	-0.45	24	0.34	24	0.05
Mass loading for inhalation	30	-0.23	53	-0.19	29	-0.30	29	-0.05
Indoor dust filtration factor	72	-0.09	74	-0.10	36	-0.28	37	-0.04
Depth of soil mixing layer	84	0.03	83	0.03	84	0.03	84	0.00
Depth of roots	86	-0.01	87	-0.01	8	0.54	8	0.09
Wet weight crop yield of fruit, grain and non-leafy vegetables	33	-0.21	48	-0.23	21	0.37	21	0.06
Weathering removal constant of all vegetation	3	0.39	11	0.53	83	0.03	83	0.00
Wet foliar interception fraction of leafy vegetables	11	0.32	24	0.36	89	0.00	89	0.00

R-SQUARE 0.68 0.68 0.98 0.98

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

Coefficients for peak External Ground Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	52	0.14	69	0.09	44	-0.12	45	-0.03
Kd of Ac-227 in Unsaturated Zone 1	22	-0.27	24	-0.26	31	0.18	32	0.04
Kd of Ac-227 in Saturated Zone	3	0.42	10	0.48	81	-0.03	82	-0.01
Kd of Am-241 in Contaminated Zone	81	0.03	81	0.03	55	0.10	56	0.02
Kd of Am-241 in Unsaturated Zone 1	51	0.14	2	8.20	53	0.10	53	0.02
Kd of Am-241 in Saturated Zone	57	0.12	71	0.08	65	-0.09	64	-0.02
Kd of Np-237 in Contaminated Zone	14	-0.32	30	-0.23	63	0.09	63	0.02
Kd of Np-237 in Unsaturated Zone 1	5	-0.38	12	-0.44	11	-0.33	11	-0.08
Kd of Np-237 in Saturated Zone	89	0.00	89	0.00	25	0.23	25	0.06
Kd of Pa-231 in Contaminated Zone	85	0.01	87	0.01	75	0.07	75	0.02
Kd of Pa-231 in Unsaturated Zone 1	45	-0.16	36	-0.22	85	-0.01	85	0.00
Kd of Pa-231 in Saturated Zone	87	0.01	85	0.01	27	0.22	27	0.05
Kd of Pb-210 in Contaminated Zone	41	-0.17	50	-0.14	5	0.38	5	0.09
Kd of Pb-210 in Unsaturated Zone 1	39	-0.18	19	-0.30	18	0.28	18	0.07
Kd of Pb-210 in Saturated Zone	31	0.22	35	0.22	78	-0.05	79	-0.01
Kd of Pu-239 in Contaminated Zone	65	-0.10	56	-0.11	64	0.09	65	0.02
Kd of Pu-239 in Unsaturated Zone 1	36	-0.18	51	-0.13	9	0.36	9	0.09
Kd of Pu-239 in Saturated Zone	37	-0.18	44	-0.16	60	-0.09	60	-0.02
Kd of Ra-226 in Contaminated Zone	77	0.06	77	0.05	8	0.36	8	0.09
Kd of Ra-226 in Unsaturated Zone 1	35	-0.18	43	-0.17	13	-0.32	12	-0.08
Kd of Ra-226 in Saturated Zone	69	-0.09	67	-0.09	59	-0.10	59	-0.02
Kd of Ra-228 in Contaminated Zone	9	-0.35	17	-0.33	58	0.10	58	0.02
Kd of Ra-228 in Unsaturated Zone 1	12	-0.33	7	-0.53	72	-0.07	72	-0.02
Kd of Ra-228 in Saturated Zone	43	-0.16	49	-0.14	76	-0.05	76	-0.01
Kd of Tc-99 in Saturated Zone	84	0.02	84	0.01	26	0.23	26	0.05
Kd of Th-228 in Contaminated Zone	49	-0.14	54	-0.12	3	0.49	3	0.13
Kd of Th-228 in Unsaturated Zone 1	44	-0.16	20	-0.29	74	-0.07	74	-0.02
Kd of Th-228 in Saturated Zone	8	-0.35	18	-0.31	29	0.22	28	0.05
Kd of Th-229 in Contaminated Zone	48	0.15	55	0.11	6	0.37	7	0.09
Kd of Th-229 in Unsaturated Zone 1	61	0.11	64	0.09	82	-0.03	81	-0.01
Kd of Th-229 in Saturated Zone	66	-0.10	57	-0.11	28	-0.22	29	-0.05
Kd of Th-230 in Contaminated Zone	88	0.00	88	0.00	2	0.83	2	0.35
Kd of Th-230 in Unsaturated Zone 1	76	0.07	78	0.05	80	0.04	80	0.01
Kd of Th-230 in Saturated Zone	72	0.08	48	0.14	54	-0.10	55	-0.02
Kd of Th-232 in Contaminated Zone	2	0.43	5	0.56	1	0.96	1	0.78
Kd of Th-232 in Unsaturated Zone 1	50	-0.14	1	-8.24	7	-0.36	6	-0.09
Kd of Th-232 in Saturated Zone	62	0.11	72	0.08	83	0.03	83	0.01
Kd of U-233 in Saturated Zone	82	-0.03	82	-0.02	20	-0.27	21	-0.07
Kd of U-234 in Saturated Zone	63	0.11	53	0.13	37	0.15	37	0.04
Kd of U-235 in Saturated Zone	29	-0.22	15	-0.38	50	0.11	50	0.03
Kd of U-238 in Saturated Zone	13	0.32	3	0.59	42	-0.13	41	-0.03
Plant transfer factor for Ac	67	-0.10	52	-0.13	22	0.26	23	0.06
Meat transfer factor for Ac	21	0.28	21	0.28	38	0.15	38	0.04
Milk transfer factor for Ac	58	0.12	65	0.09	17	0.28	17	0.07
Fish transfer factor for Ac	11	0.33	9	0.48	88	0.00	88	0.00
Plant transfer factor for Am	23	-0.26	34	-0.22	77	-0.05	77	-0.01
Meat transfer factor for Am	70	0.09	60	0.10	24	0.25	24	0.06
Milk transfer factor for Am	74	-0.07	68	-0.09	46	-0.12	46	-0.03
Fish transfer factor for Am	1	0.51	6	0.54	69	0.08	69	0.02
Plant transfer factor for Pb	24	-0.24	14	-0.39	68	-0.08	68	-0.02
Meat transfer factor for Pb	28	-0.22	31	-0.23	48	-0.12	47	-0.03
Milk transfer factor for Pb	33	0.20	39	0.19	56	-0.10	54	-0.02
Fish transfer factor for Pb	54	0.14	70	0.08	32	-0.17	31	-0.04
Plant transfer factor for Np	38	-0.18	46	-0.14	16	0.30	16	0.07
Meat transfer factor for Np	20	0.28	32	0.23	61	-0.09	61	-0.02
Milk transfer factor for Np	7	-0.36	4	-0.56	70	0.07	70	0.02
Fish transfer factor for Np	10	0.34	8	0.52	47	0.12	48	0.03
Plant transfer factor for Pu	80	0.05	79	0.04	86	0.01	86	0.00
Meat transfer factor for Pu	53	-0.14	59	-0.10	15	-0.30	15	-0.08
Milk transfer factor for Pu	34	0.20	40	0.18	30	0.20	30	0.05
Fish transfer factor for Pu	6	-0.36	27	-0.25	79	-0.05	78	-0.01
Plant transfer factor for Pa	56	0.13	58	0.10	67	0.08	67	0.02
Meat transfer factor for Pa	15	0.32	11	0.45	62	-0.09	62	-0.02
Milk transfer factor for Pa	16	0.31	13	0.42	51	0.11	51	0.03
Fish transfer factor for Pa	18	-0.29	29	-0.24	71	-0.07	71	-0.02
Plant transfer factor for Ra	47	0.15	38	0.19	41	-0.13	42	-0.03
Meat transfer factor for Ra	27	0.23	28	0.24	36	0.15	36	0.04
Milk transfer factor for Ra	60	-0.12	63	-0.10	23	-0.26	22	-0.06
Fish transfer factor for Ra	78	0.06	80	0.03	66	0.09	66	0.02
Plant transfer factor for Tc	19	0.29	22	0.27	21	0.26	19	0.07
Meat transfer factor for Tc	46	-0.15	45	-0.16	35	-0.16	34	-0.04
Milk transfer factor for Tc	17	-0.30	23	-0.27	43	-0.12	44	-0.03
Fish transfer factor for Tc	59	0.12	47	0.14	87	0.00	87	0.00
Plant transfer factor for Th	26	0.23	37	0.21	39	-0.14	39	-0.03
Meat transfer factor for Th	79	0.06	62	0.10	12	-0.32	13	-0.08
Milk transfer factor for Th	73	0.07	74	0.07	49	0.11	49	0.03
Fish transfer factor for Th	55	-0.13	66	-0.09	45	-0.12	43	-0.03
Plant transfer factor for U	4	0.40	16	0.38	89	0.00	89	0.00
Meat transfer factor for U	75	0.07	73	0.07	40	-0.13	40	-0.03
Milk transfer factor for U	40	-0.17	42	-0.17	52	-0.11	52	-0.03
Fish transfer factor for U	42	-0.17	41	-0.18	33	-0.16	33	-0.04
Well pumping rate	71	-0.08	75	-0.06	57	0.10	57	0.02
Mass loading for inhalation	30	0.22	25	0.25	84	0.01	84	0.00
Indoor dust filtration factor	83	0.02	83	0.02	10	-0.33	10	-0.08
Depth of soil mixing layer	25	0.24	33	0.22	73	-0.07	73	-0.02
Depth of roots	86	0.01	86	0.01	34	-0.16	35	-0.04
Wet weight crop yield of fruit, grain and non-leafy vegetables	64	0.11	61	0.10	4	-0.41	4	-0.11
Weathering removal constant of all vegetation	32	-0.20	26	-0.25	14	-0.31	14	-0.08
Wet foliar interception fraction of leafy vegetables	68	0.09	76	0.06	19	-0.27	20	-0.07

R-SQUARE 0.84 0.84 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 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	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ac-227 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ac-227 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Np-237 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Np-237 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Np-237 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pa-231 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pa-231 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pa-231 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pb-210 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pb-210 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pb-210 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pu-239 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pu-239 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pu-239 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-226 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-226 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-226 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Tc-99 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-229 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-229 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-229 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-233 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Well pumping rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Indoor dust filtration factor	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	0	0.00	0	0.00	0	0.00	0	0.00
Wet foliar interception fraction of leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Inhalation Particles Dose
 Coefficient =
 Repetition =

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

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

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

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

Coefficients for peak Radon (WaterInd.) Dose		PCC		SRC		PRCC		SRRC		
Coefficient =		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 Ra-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 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-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 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 Th-232 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 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 (WaterInd.) Dose		PCC		SRC		PRCC		SRRC		
Coefficient =		2		2		2		2		
Repetition =										
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	
Kd of Ac-227 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ac-227 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ac-227 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of 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 Ra-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 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-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 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 Th-232 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 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 (WaterInd.) Dose
 Coefficient =
 Repetition =

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

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	55	-0.13	66	-0.04	22	0.38	22	0.06
Kd of Ac-227 in Unsaturated Zone 1	76	-0.06	80	-0.02	48	0.19	48	0.03
Kd of Ac-227 in Saturated Zone	42	-0.17	44	-0.08	11	-0.48	11	-0.08
Kd of Am-241 in Contaminated Zone	39	0.19	41	0.08	78	-0.05	78	-0.01
Kd of Am-241 in Unsaturated Zone 1	29	-0.24	10	-0.21	50	-0.18	50	-0.03
Kd of Am-241 in Saturated Zone	89	0.00	88	0.00	66	0.08	66	0.01
Kd of Np-237 in Contaminated Zone	24	-0.25	7	-0.23	20	0.41	20	0.07
Kd of Np-237 in Unsaturated Zone 1	86	0.02	84	0.01	70	-0.08	70	-0.01
Kd of Np-237 in Saturated Zone	12	-0.37	16	-0.15	62	0.12	61	0.02
Kd of Pa-231 in Contaminated Zone	13	-0.36	17	-0.15	14	0.47	13	0.08
Kd of Pa-231 in Unsaturated Zone 1	82	0.03	65	0.04	51	-0.17	51	-0.03
Kd of Pa-231 in Saturated Zone	57	-0.12	62	-0.05	32	-0.32	34	-0.05
Kd of Pb-210 in Contaminated Zone	63	-0.10	61	-0.05	19	0.41	19	0.07
Kd of Pb-210 in Unsaturated Zone 1	75	0.07	58	0.05	35	-0.29	35	-0.05
Kd of Pb-210 in Saturated Zone	45	0.16	29	0.10	37	0.28	37	0.05
Kd of Pu-239 in Contaminated Zone	44	-0.17	27	-0.10	13	-0.47	14	-0.08
Kd of Pu-239 in Unsaturated Zone 1	14	0.33	13	0.16	39	0.28	38	0.04
Kd of Pu-239 in Saturated Zone	6	-0.43	9	-0.22	24	-0.36	24	-0.06
Kd of Ra-226 in Contaminated Zone	73	0.07	64	0.04	55	0.16	56	0.02
Kd of Ra-226 in Unsaturated Zone 1	8	-0.42	8	-0.22	60	-0.12	62	-0.02
Kd of Ra-226 in Saturated Zone	85	0.02	85	0.01	88	0.00	88	0.00
Kd of Ra-228 in Contaminated Zone	36	0.20	14	0.16	83	0.02	84	0.00
Kd of Ra-228 in Unsaturated Zone 1	49	-0.15	59	-0.05	36	0.29	36	0.05
Kd of Ra-228 in Saturated Zone	47	0.16	38	0.08	59	0.12	60	0.02
Kd of Tc-99 in Saturated Zone	35	-0.22	40	-0.08	76	0.05	76	0.01
Kd of Th-228 in Contaminated Zone	59	-0.12	71	-0.03	34	-0.32	33	-0.05
Kd of Th-228 in Unsaturated Zone 1	19	0.28	5	0.24	5	0.57	5	0.11
Kd of Th-228 in Saturated Zone	21	-0.27	11	-0.19	85	0.01	85	0.00
Kd of Th-229 in Contaminated Zone	68	-0.08	76	-0.03	58	-0.13	58	-0.02
Kd of Th-229 in Unsaturated Zone 1	83	0.02	79	0.02	63	0.11	63	0.02
Kd of Th-229 in Saturated Zone	20	-0.28	37	-0.08	75	0.05	75	0.01
Kd of Th-230 in Contaminated Zone	81	0.03	81	0.01	71	0.07	71	0.01
Kd of Th-230 in Unsaturated Zone 1	62	-0.10	47	-0.06	49	-0.19	47	-0.03
Kd of Th-230 in Saturated Zone	51	-0.14	49	-0.06	54	-0.16	53	-0.02
Kd of Th-232 in Contaminated Zone	5	-0.43	12	-0.18	12	0.48	12	0.08
Kd of Th-232 in Unsaturated Zone 1	78	-0.05	77	-0.03	89	0.00	89	0.00
Kd of Th-232 in Saturated Zone	53	-0.14	56	-0.05	16	-0.44	17	-0.07
Kd of U-233 in Saturated Zone	64	-0.10	68	-0.04	18	0.42	18	0.07
Kd of U-234 in Saturated Zone	77	-0.05	50	-0.06	74	-0.06	74	-0.01
Kd of U-235 in Saturated Zone	69	-0.08	57	-0.05	68	0.08	69	0.01
Kd of U-238 in Saturated Zone	43	0.17	34	0.09	42	-0.23	42	-0.04
Plant transfer factor for Ac	87	0.01	87	0.00	31	0.32	30	0.05
Meat transfer factor for Ac	31	-0.24	42	-0.08	80	0.03	80	0.01
Milk transfer factor for Ac	61	-0.11	55	-0.05	28	-0.34	28	-0.05
Fish transfer factor for Ac	50	0.15	45	0.06	84	-0.02	83	0.00
Plant transfer factor for Am	67	0.09	73	0.03	40	-0.26	40	-0.04
Meat transfer factor for Am	26	-0.25	19	-0.14	81	0.03	81	0.00
Milk transfer factor for Am	25	-0.25	28	-0.10	15	0.46	15	0.08
Fish transfer factor for Am	58	-0.12	51	-0.06	69	-0.08	67	-0.01
Plant transfer factor for Pb	7	-0.43	4	-0.24	25	-0.35	25	-0.06
Meat transfer factor for Pb	11	-0.38	23	-0.12	44	-0.23	43	-0.04
Milk transfer factor for Pb	88	0.00	89	0.00	53	-0.16	54	-0.02
Fish transfer factor for Pb	22	0.26	30	0.09	64	-0.10	64	-0.02
Plant transfer factor for Np	52	0.14	53	0.05	29	0.33	29	0.05
Meat transfer factor for Np	37	-0.19	46	-0.06	38	0.28	39	0.04
Milk transfer factor for Np	15	0.33	24	0.12	65	0.09	65	0.01
Fish transfer factor for Np	54	-0.13	33	-0.09	67	-0.08	68	-0.01
Plant transfer factor for Pu	66	0.09	69	0.03	27	0.34	26	0.06
Meat transfer factor for Pu	38	0.19	52	0.05	33	-0.32	32	-0.05
Milk transfer factor for Pu	60	-0.12	63	-0.04	82	0.03	82	0.00
Fish transfer factor for Pu	17	0.31	36	0.09	45	0.21	45	0.03
Plant transfer factor for Pa	4	0.49	3	0.24	17	0.44	16	0.08
Meat transfer factor for Pa	79	-0.05	82	-0.01	46	-0.19	46	-0.03
Milk transfer factor for Pa	71	0.08	75	0.03	3	-0.73	3	-0.16
Fish transfer factor for Pa	23	0.26	15	0.16	52	0.17	52	0.03
Plant transfer factor for Ra	3	0.54	6	0.23	8	0.53	8	0.10
Meat transfer factor for Ra	27	0.25	22	0.12	73	0.06	73	0.01
Milk transfer factor for Ra	72	0.08	74	0.03	72	-0.07	72	-0.01
Fish transfer factor for Ra	41	-0.18	26	-0.11	10	-0.49	10	-0.09
Plant transfer factor for Tc	16	0.32	21	0.12	7	0.55	7	0.10
Meat transfer factor for Tc	34	-0.22	32	-0.09	41	-0.24	41	-0.04
Milk transfer factor for Tc	30	-0.24	39	-0.08	77	-0.05	77	-0.01
Fish transfer factor for Tc	40	0.19	48	0.06	47	-0.19	49	-0.03
Plant transfer factor for Th	10	0.39	18	0.14	30	0.33	31	0.05
Meat transfer factor for Th	84	0.02	86	0.01	26	0.34	27	0.06
Milk transfer factor for Th	9	-0.41	20	-0.13	23	-0.36	23	-0.06
Fish transfer factor for Th	28	0.24	31	0.09	86	-0.01	86	0.00
Plant transfer factor for U	1	0.91	1	0.59	2	0.95	2	0.48
Meat transfer factor for U	56	0.13	67	0.04	6	0.56	6	0.10
Milk transfer factor for U	33	0.23	43	0.08	61	0.12	59	0.02
Fish transfer factor for U	48	-0.15	60	-0.05	43	0.23	44	0.04
Well pumping rate	70	-0.08	78	-0.03	9	-0.51	9	-0.09
Mass loading for inhalation	18	-0.29	35	-0.09	4	-0.64	4	-0.13
Indoor dust filtration factor	65	0.10	70	0.03	87	0.00	87	0.00
Depth of soil mixing layer	46	-0.16	54	-0.05	56	-0.16	55	-0.02
Depth of roots	2	0.89	2	0.54	1	0.98	1	0.73
Wet weight crop yield of fruit, grain and non-leafy vegetables	80	-0.04	83	-0.01	21	0.39	21	0.06
Weathering removal constant of all vegetation	74	-0.07	72	-0.03	57	0.14	57	0.02
Wet foliar interception fraction of leafy vegetables	32	-0.23	25	-0.12	79	0.04	79	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 Plant (WaterInd.) 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	20	-0.48	14	-0.16	48	-0.16	48	-0.04	
Kd of Ac-227 in Unsaturated Zone 1	49	0.26	36	0.07	76	0.05	77	0.01	
Kd of Ac-227 in Saturated Zone	80	-0.06	84	-0.01	82	-0.04	82	-0.01	
Kd of Am-241 in Contaminated Zone	46	0.29	52	0.05	53	-0.14	54	-0.03	
Kd of Am-241 in Unsaturated Zone 1	38	0.32	8	0.26	24	0.25	24	0.06	
Kd of Am-241 in Saturated Zone	41	-0.31	30	-0.09	20	-0.29	20	-0.06	
Kd of Np-237 in Contaminated Zone	52	0.24	46	0.06	71	-0.07	71	-0.01	
Kd of Np-237 in Unsaturated Zone 1	63	-0.15	68	-0.02	29	-0.23	28	-0.05	
Kd of Np-237 in Saturated Zone	13	0.54	12	0.20	67	-0.08	67	-0.02	
Kd of Pa-231 in Contaminated Zone	35	-0.35	37	-0.07	68	0.08	68	0.02	
Kd of Pa-231 in Unsaturated Zone 1	44	-0.30	45	-0.06	75	-0.05	75	-0.01	
Kd of Pa-231 in Saturated Zone	81	-0.05	79	-0.01	70	-0.07	70	-0.02	
Kd of Pb-210 in Contaminated Zone	15	-0.53	4	-0.33	41	-0.19	41	-0.04	
Kd of Pb-210 in Unsaturated Zone 1	36	-0.34	32	-0.08	55	-0.13	56	-0.03	
Kd of Pb-210 in Saturated Zone	73	0.08	72	0.01	15	0.32	15	0.07	
Kd of Pu-239 in Contaminated Zone	54	0.23	57	0.04	60	0.10	61	0.02	
Kd of Pu-239 in Unsaturated Zone 1	88	0.01	87	0.00	23	0.27	23	0.06	
Kd of Pu-239 in Saturated Zone	69	0.12	49	0.05	47	-0.17	47	-0.04	
Kd of Ra-226 in Contaminated Zone	56	0.21	60	0.04	7	-0.41	8	-0.10	
Kd of Ra-226 in Unsaturated Zone 1	33	-0.38	31	-0.09	65	-0.09	66	-0.02	
Kd of Ra-226 in Saturated Zone	24	-0.44	6	-0.29	52	0.15	52	0.03	
Kd of Ra-228 in Contaminated Zone	43	-0.30	10	-0.24	43	-0.19	43	-0.04	
Kd of Ra-228 in Unsaturated Zone 1	11	0.56	19	0.12	62	0.10	62	0.02	
Kd of Ra-228 in Saturated Zone	83	0.04	80	0.01	83	-0.04	83	-0.01	
Kd of Tc-99 in Saturated Zone	5	-0.68	7	-0.29	44	0.19	44	0.04	
Kd of Th-228 in Contaminated Zone	77	-0.06	75	-0.01	13	-0.34	12	-0.08	
Kd of Th-228 in Unsaturated Zone 1	3	-0.73	11	-0.22	84	0.04	84	0.01	
Kd of Th-228 in Saturated Zone	9	-0.60	18	-0.13	30	-0.23	30	-0.05	
Kd of Th-229 in Contaminated Zone	60	0.17	62	0.03	42	0.19	42	0.04	
Kd of Th-229 in Unsaturated Zone 1	89	0.01	89	0.00	31	-0.23	31	-0.05	
Kd of Th-229 in Saturated Zone	22	0.46	5	0.31	89	0.00	89	0.00	
Kd of Th-230 in Contaminated Zone	7	-0.64	9	-0.26	49	0.16	49	0.03	
Kd of Th-230 in Unsaturated Zone 1	67	0.13	56	0.04	45	-0.18	45	-0.04	
Kd of Th-230 in Saturated Zone	14	0.53	3	0.34	51	-0.15	51	-0.03	
Kd of Th-232 in Contaminated Zone	68	0.12	65	0.02	33	0.22	33	0.05	
Kd of Th-232 in Unsaturated Zone 1	23	0.45	40	0.07	38	0.20	38	0.05	
Kd of Th-232 in Saturated Zone	65	0.13	64	0.03	63	-0.10	63	-0.02	
Kd of U-233 in Saturated Zone	21	-0.46	22	-0.11	18	0.29	18	0.07	
Kd of U-234 in Saturated Zone	26	0.41	24	0.11	73	-0.06	72	-0.01	
Kd of U-235 in Saturated Zone	55	-0.22	54	-0.04	17	-0.31	17	-0.07	
Kd of U-238 in Saturated Zone	62	-0.16	34	-0.08	11	0.34	11	0.08	
Plant transfer factor for Ac	45	0.30	50	0.05	37	0.21	35	0.05	
Meat transfer factor for Ac	71	-0.09	70	-0.02	5	-0.53	5	-0.14	
Milk transfer factor for Ac	42	-0.30	47	-0.06	35	-0.21	36	-0.05	
Fish transfer factor for Ac	75	0.07	71	0.01	69	-0.08	69	-0.02	
Plant transfer factor for Am	64	0.14	66	0.02	10	-0.36	10	-0.09	
Meat transfer factor for Am	47	0.29	43	0.06	87	0.01	87	0.00	
Milk transfer factor for Am	37	0.32	48	0.05	27	-0.24	26	-0.05	
Fish transfer factor for Am	51	-0.25	51	-0.05	54	0.13	53	0.03	
Plant transfer factor for Pb	84	0.03	82	0.01	9	0.37	9	0.09	
Meat transfer factor for Pb	79	-0.06	81	-0.01	19	0.29	19	0.07	
Milk transfer factor for Pb	34	-0.36	42	-0.06	57	-0.12	57	-0.03	
Fish transfer factor for Pb	50	-0.26	58	-0.04	46	-0.18	46	-0.04	
Plant transfer factor for Np	19	0.49	15	0.15	88	-0.01	88	0.00	
Meat transfer factor for Np	29	-0.40	35	-0.07	22	-0.28	22	-0.06	
Milk transfer factor for Np	17	0.50	28	0.10	56	0.13	55	0.03	
Fish transfer factor for Np	32	-0.40	27	-0.10	36	0.21	37	0.05	
Plant transfer factor for Pu	59	-0.18	61	-0.04	39	-0.20	39	-0.04	
Meat transfer factor for Pu	72	-0.09	74	-0.01	80	0.05	80	0.01	
Milk transfer factor for Pu	61	0.16	67	0.02	86	0.03	86	0.01	
Fish transfer factor for Pu	10	0.57	17	0.13	32	0.22	32	0.05	
Plant transfer factor for Pa	31	0.40	25	0.11	16	0.31	16	0.07	
Meat transfer factor for Pa	76	0.07	76	0.01	72	0.06	73	0.01	
Milk transfer factor for Pa	18	-0.50	33	-0.08	85	0.03	85	0.01	
Fish transfer factor for Pa	4	-0.69	13	-0.17	21	-0.28	21	-0.06	
Plant transfer factor for Ra	6	0.67	21	0.12	3	0.63	3	0.17	
Meat transfer factor for Ra	16	0.52	20	0.12	28	0.23	29	0.05	
Milk transfer factor for Ra	70	-0.09	73	-0.01	78	0.05	78	0.01	
Fish transfer factor for Ra	25	-0.41	39	-0.07	61	-0.10	60	-0.02	
Plant transfer factor for Tc	28	0.40	23	0.11	81	0.04	81	0.01	
Meat transfer factor for Tc	12	-0.55	26	-0.11	34	-0.21	34	-0.05	
Milk transfer factor for Tc	48	0.26	59	0.04	64	0.09	64	0.02	
Fish transfer factor for Tc	53	0.24	44	0.06	77	-0.05	76	-0.01	
Plant transfer factor for Th	57	-0.21	53	-0.04	79	-0.05	79	-0.01	
Meat transfer factor for Th	82	-0.04	83	-0.01	66	0.09	65	0.02	
Milk transfer factor for Th	39	0.32	41	0.07	14	0.33	14	0.08	
Fish transfer factor for Th	85	0.03	85	0.00	8	0.41	7	0.10	
Plant transfer factor for U	1	0.96	1	0.60	2	0.92	2	0.50	
Meat transfer factor for U	66	-0.13	69	-0.02	50	0.16	50	0.03	
Milk transfer factor for U	40	0.32	55	0.04	4	0.54	4	0.14	
Fish transfer factor for U	30	-0.40	29	-0.09	58	-0.11	58	-0.02	
Well pumping rate	86	0.01	86	0.00	25	0.25	25	0.06	
Mass loading for inhalation	74	-0.08	77	-0.01	40	0.19	40	0.04	
Indoor dust filtration factor	87	-0.01	88	0.00	12	0.34	13	0.08	
Depth of soil mixing layer	58	-0.21	63	-0.03	26	0.24	27	0.05	
Depth of roots	2	0.94	2	0.57	1	0.96	1	0.72	
Wet weight crop yield of fruit, grain and non-leafy vegetables	78	-0.06	78	-0.01	6	0.45	6	0.11	
Weathering removal constant of all vegetation	8	0.60	16	0.14	59	0.10	59	0.02	
Wet foliar interception fraction of leafy vegetables	27	0.40	38	0.07	74	-0.06	74	-0.01	

R-SQUARE 0.99 0.99 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 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	14	0.35	31	0.11	31	-0.26	31	-0.06
Kd of Ac-227 in Unsaturated Zone 1	64	0.11	67	0.05	54	0.12	54	0.03
Kd of Ac-227 in Saturated Zone	47	0.16	45	0.08	88	0.01	88	0.00
Kd of Am-241 in Contaminated Zone	13	0.35	18	0.15	66	-0.09	66	-0.02
Kd of Am-241 in Unsaturated Zone 1	43	-0.19	2	-5.10	17	-0.33	17	-0.08
Kd of Am-241 in Saturated Zone	8	0.44	16	0.16	82	0.04	82	0.01
Kd of Np-237 in Contaminated Zone	75	0.04	81	0.01	11	0.37	11	0.08
Kd of Np-237 in Unsaturated Zone 1	56	-0.14	52	-0.07	7	-0.43	7	-0.10
Kd of Np-237 in Saturated Zone	76	-0.04	75	-0.02	46	-0.16	46	-0.04
Kd of Pa-231 in Contaminated Zone	32	-0.24	41	-0.09	68	0.09	68	0.02
Kd of Pa-231 in Unsaturated Zone 1	67	-0.10	55	-0.06	9	0.38	10	0.09
Kd of Pa-231 in Saturated Zone	37	0.21	29	0.12	48	0.16	48	0.03
Kd of Pb-210 in Contaminated Zone	38	0.20	48	0.08	63	0.10	63	0.02
Kd of Pb-210 in Unsaturated Zone 1	63	-0.11	39	-0.09	37	0.23	37	0.05
Kd of Pb-210 in Saturated Zone	78	0.04	77	0.02	38	0.23	38	0.05
Kd of Pu-239 in Contaminated Zone	50	-0.16	43	-0.08	74	0.06	74	0.01
Kd of Pu-239 in Unsaturated Zone 1	42	0.19	54	0.06	64	-0.10	65	-0.02
Kd of Pu-239 in Saturated Zone	79	0.03	80	0.01	52	0.13	52	0.03
Kd of Ra-226 in Contaminated Zone	57	-0.13	63	-0.05	58	0.11	58	0.02
Kd of Ra-226 in Unsaturated Zone 1	84	0.02	85	0.01	28	-0.26	29	-0.06
Kd of Ra-226 in Saturated Zone	66	0.10	65	0.05	81	0.04	81	0.01
Kd of Ra-228 in Contaminated Zone	55	0.14	56	0.06	43	0.18	43	0.04
Kd of Ra-228 in Unsaturated Zone 1	41	-0.19	23	-0.14	61	-0.11	61	-0.02
Kd of Ra-228 in Saturated Zone	17	-0.34	24	-0.14	12	-0.36	12	-0.08
Kd of Tc-99 in Saturated Zone	35	-0.22	50	-0.07	44	-0.17	44	-0.04
Kd of Th-228 in Contaminated Zone	82	-0.02	83	-0.01	18	0.33	18	0.07
Kd of Th-228 in Unsaturated Zone 1	10	-0.39	6	-0.35	49	-0.14	49	-0.03
Kd of Th-228 in Saturated Zone	45	-0.17	53	-0.07	36	-0.24	35	-0.05
Kd of Th-229 in Contaminated Zone	12	0.35	27	0.14	14	-0.35	14	-0.08
Kd of Th-229 in Unsaturated Zone 1	25	0.27	33	0.11	87	-0.01	87	0.00
Kd of Th-229 in Saturated Zone	68	-0.09	66	-0.05	73	-0.06	73	-0.01
Kd of Th-230 in Contaminated Zone	74	0.05	73	0.02	84	0.03	84	0.01
Kd of Th-230 in Unsaturated Zone 1	23	0.28	38	0.10	55	0.12	55	0.03
Kd of Th-230 in Saturated Zone	30	0.24	13	0.20	15	0.35	15	0.08
Kd of Th-232 in Contaminated Zone	52	0.15	42	0.08	85	-0.02	85	0.00
Kd of Th-232 in Unsaturated Zone 1	40	0.20	1	5.44	33	0.25	32	0.05
Kd of Th-232 in Saturated Zone	70	-0.07	74	-0.02	71	0.07	72	0.02
Kd of U-233 in Saturated Zone	18	0.33	20	0.15	4	0.49	4	0.12
Kd of U-234 in Saturated Zone	89	0.00	89	0.00	51	0.13	51	0.03
Kd of U-235 in Saturated Zone	36	0.21	15	0.16	21	0.31	21	0.07
Kd of U-238 in Saturated Zone	83	-0.02	78	-0.02	8	-0.38	9	-0.09
Plant transfer factor for Ac	51	-0.15	37	-0.10	83	-0.04	83	-0.01
Meat transfer factor for Ac	71	-0.06	72	-0.03	75	-0.06	75	-0.01
Milk transfer factor for Ac	39	0.20	51	0.07	56	-0.12	56	-0.03
Fish transfer factor for Ac	48	-0.16	35	-0.10	67	0.09	67	0.02
Plant transfer factor for Am	81	-0.03	82	-0.01	69	-0.08	69	-0.02
Meat transfer factor for Am	65	0.11	57	0.06	62	-0.10	62	-0.02
Milk transfer factor for Am	73	0.06	70	0.03	5	-0.49	6	-0.12
Fish transfer factor for Am	22	0.30	28	0.13	59	0.11	60	0.02
Plant transfer factor for Pb	87	0.01	87	0.01	24	0.28	25	0.06
Meat transfer factor for Pb	86	0.02	86	0.01	47	0.16	47	0.04
Milk transfer factor for Pb	88	-0.01	88	0.00	25	0.28	24	0.06
Fish transfer factor for Pb	59	-0.12	69	-0.03	26	0.27	26	0.06
Plant transfer factor for Np	11	-0.38	17	-0.15	41	0.21	41	0.05
Meat transfer factor for Np	33	0.23	40	0.09	32	0.25	33	0.05
Milk transfer factor for Np	49	-0.16	32	-0.11	78	0.04	78	0.01
Fish transfer factor for Np	69	-0.08	62	-0.05	77	0.05	77	0.01
Plant transfer factor for Pu	28	-0.25	34	-0.10	13	-0.36	13	-0.08
Meat transfer factor for Pu	5	-0.54	10	-0.22	34	-0.24	34	-0.05
Milk transfer factor for Pu	3	0.56	7	0.28	80	0.04	80	0.01
Fish transfer factor for Pu	27	-0.26	46	-0.08	39	-0.23	39	-0.05
Plant transfer factor for Pa	15	0.35	25	0.14	6	0.49	5	0.12
Meat transfer factor for Pa	34	0.23	22	0.15	53	0.13	53	0.03
Milk transfer factor for Pa	31	0.24	21	0.15	60	0.11	59	0.02
Fish transfer factor for Pa	4	-0.54	8	-0.23	86	-0.01	86	0.00
Plant transfer factor for Ra	16	0.34	11	0.22	3	0.63	3	0.17
Meat transfer factor for Ra	62	-0.12	60	-0.06	27	-0.27	28	-0.06
Milk transfer factor for Ra	29	-0.25	36	-0.10	19	-0.32	19	-0.07
Fish transfer factor for Ra	26	0.27	49	0.08	42	-0.20	42	-0.04
Plant transfer factor for Tc	61	0.12	64	0.05	72	0.07	70	0.02
Meat transfer factor for Tc	77	0.04	76	0.02	40	-0.21	40	-0.05
Milk transfer factor for Tc	24	-0.28	30	-0.11	29	-0.26	30	-0.06
Fish transfer factor for Tc	19	0.31	14	0.18	45	0.17	45	0.04
Plant transfer factor for Th	53	0.14	59	0.06	10	0.37	8	0.09
Meat transfer factor for Th	9	-0.44	5	-0.40	16	-0.34	16	-0.08
Milk transfer factor for Th	60	0.12	61	0.05	76	0.05	76	0.01
Fish transfer factor for Th	44	0.18	58	0.06	30	-0.26	27	-0.06
Plant transfer factor for U	2	0.82	4	0.57	2	0.91	2	0.47
Meat transfer factor for U	21	-0.31	19	-0.15	70	-0.07	71	-0.02
Milk transfer factor for U	46	-0.17	47	-0.08	57	-0.11	57	-0.02
Fish transfer factor for U	72	-0.06	71	-0.03	89	-0.01	89	0.00
Well pumping rate	6	0.49	12	0.20	23	0.29	23	0.06
Mass loading for inhalation	85	0.02	84	0.01	65	0.09	64	0.02
Indoor dust filtration factor	80	0.03	79	0.02	20	0.32	20	0.07
Depth of soil mixing layer	7	0.48	9	0.23	22	0.30	22	0.07
Depth of roots	1	0.86	3	0.66	1	0.96	1	0.73
Wet weight crop yield of fruit, grain and non-leafy vegetables	20	0.31	26	0.14	50	-0.14	50	-0.03
Weathering removal constant of all vegetation	54	-0.14	44	-0.08	35	0.24	36	0.05
Wet foliar interception fraction of leafy vegetables	58	0.13	68	0.04	79	0.04	79	0.01

R-SQUARE 0.97 0.97 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	84	0.07	84	0.03	82	0.04	82	0.01
Kd of Ac-227 in Unsaturated Zone 1	69	0.15	74	0.08	45	0.20	45	0.03
Kd of Ac-227 in Saturated Zone	3	-0.62	7	-0.57	50	-0.18	50	-0.03
Kd of Am-241 in Contaminated Zone	22	0.41	25	0.32	70	0.06	72	0.01
Kd of Am-241 in Unsaturated Zone 1	52	-0.25	20	-0.37	57	0.15	57	0.02
Kd of Am-241 in Saturated Zone	33	-0.35	1	-1.01	87	-0.01	87	0.00
Kd of Np-237 in Contaminated Zone	89	0.00	88	-0.01	14	0.48	14	0.08
Kd of Np-237 in Unsaturated Zone 1	55	0.23	37	0.24	6	-0.63	6	-0.12
Kd of Np-237 in Saturated Zone	14	-0.46	24	-0.32	52	-0.16	52	-0.03
Kd of Pa-231 in Contaminated Zone	6	-0.56	15	-0.43	10	0.54	10	0.10
Kd of Pa-231 in Unsaturated Zone 1	41	0.31	2	0.84	16	-0.45	16	-0.08
Kd of Pa-231 in Saturated Zone	80	0.09	78	0.05	53	-0.16	54	-0.02
Kd of Pb-210 in Contaminated Zone	26	-0.38	26	-0.31	21	0.36	21	0.06
Kd of Pb-210 in Unsaturated Zone 1	17	0.43	8	0.56	19	-0.41	19	-0.07
Kd of Pb-210 in Saturated Zone	18	0.43	13	0.48	81	-0.05	81	-0.01
Kd of Pu-239 in Contaminated Zone	68	0.15	56	0.15	67	0.08	67	0.01
Kd of Pu-239 in Unsaturated Zone 1	50	0.26	43	0.21	42	0.21	42	0.03
Kd of Pu-239 in Saturated Zone	54	-0.24	48	-0.19	17	-0.45	17	-0.07
Kd of Ra-226 in Contaminated Zone	29	0.37	18	0.40	78	0.05	79	0.01
Kd of Ra-226 in Unsaturated Zone 1	77	-0.10	76	-0.08	25	-0.33	25	-0.05
Kd of Ra-226 in Saturated Zone	20	0.42	22	0.35	84	-0.04	84	-0.01
Kd of Ra-228 in Contaminated Zone	75	-0.10	60	-0.14	49	-0.18	49	-0.03
Kd of Ra-228 in Unsaturated Zone 1	13	-0.47	30	-0.28	89	-0.01	89	0.00
Kd of Ra-228 in Saturated Zone	74	-0.10	70	-0.09	63	-0.10	63	-0.02
Kd of Tc-99 in Saturated Zone	19	-0.42	28	-0.29	59	-0.15	59	-0.02
Kd of Th-228 in Contaminated Zone	88	0.01	89	0.01	71	0.06	71	0.01
Kd of Th-228 in Unsaturated Zone 1	60	0.19	36	0.26	77	-0.05	77	-0.01
Kd of Th-228 in Saturated Zone	12	-0.47	5	-0.62	83	-0.04	83	-0.01
Kd of Th-229 in Contaminated Zone	27	-0.38	42	-0.22	69	-0.07	69	-0.01
Kd of Th-229 in Unsaturated Zone 1	23	0.41	4	0.62	30	-0.31	30	-0.05
Kd of Th-229 in Saturated Zone	11	-0.49	31	-0.27	73	-0.06	73	-0.01
Kd of Th-230 in Contaminated Zone	43	-0.29	38	-0.23	38	0.22	39	0.03
Kd of Th-230 in Unsaturated Zone 1	51	-0.26	34	-0.27	60	-0.12	60	-0.02
Kd of Th-230 in Saturated Zone	57	-0.23	53	-0.16	24	0.34	24	0.05
Kd of Th-232 in Contaminated Zone	24	-0.40	29	-0.28	43	0.21	43	0.03
Kd of Th-232 in Unsaturated Zone 1	71	-0.13	65	-0.11	47	0.18	47	0.03
Kd of Th-232 in Saturated Zone	35	-0.34	40	-0.22	22	-0.35	22	-0.06
Kd of U-233 in Saturated Zone	64	0.17	66	0.11	68	0.08	68	0.01
Kd of U-234 in Saturated Zone	38	-0.33	3	-0.64	74	0.06	74	0.01
Kd of U-235 in Saturated Zone	70	0.14	57	0.15	79	-0.05	80	-0.01
Kd of U-238 in Saturated Zone	76	0.10	73	0.08	26	-0.33	26	-0.05
Plant transfer factor for Ac	39	0.32	47	0.19	7	0.62	7	0.12
Meat transfer factor for Ac	86	0.05	86	0.03	55	0.16	56	0.02
Milk transfer factor for Ac	85	0.06	79	0.05	12	-0.50	12	-0.09
Fish transfer factor for Ac	31	-0.36	35	-0.27	86	-0.02	86	0.00
Plant transfer factor for Am	78	-0.09	81	-0.05	62	0.11	62	0.02
Meat transfer factor for Am	5	-0.56	6	-0.61	28	0.32	27	0.05
Milk transfer factor for Am	72	0.12	75	0.08	32	0.30	31	0.05
Fish transfer factor for Am	36	0.33	32	0.27	48	0.18	48	0.03
Plant transfer factor for Pb	10	-0.49	14	-0.47	75	0.06	75	0.01
Meat transfer factor for Pb	83	0.07	85	0.03	44	-0.21	44	-0.03
Milk transfer factor for Pb	21	0.41	27	0.31	23	-0.35	23	-0.05
Fish transfer factor for Pb	49	-0.26	54	-0.16	41	-0.22	40	-0.03
Plant transfer factor for Np	58	-0.23	59	-0.14	76	-0.05	76	-0.01
Meat transfer factor for Np	53	-0.25	63	-0.13	65	0.09	65	0.01
Milk transfer factor for Np	59	0.22	64	0.13	46	-0.19	46	-0.03
Fish transfer factor for Np	34	-0.34	16	-0.41	51	-0.17	51	-0.03
Plant transfer factor for Pu	16	-0.45	33	-0.27	72	0.06	70	0.01
Meat transfer factor for Pu	46	0.28	61	0.14	9	-0.56	9	-0.10
Milk transfer factor for Pu	73	0.11	77	0.07	54	-0.16	53	-0.02
Fish transfer factor for Pu	61	0.19	72	0.08	37	0.23	37	0.03
Plant transfer factor for Pa	15	-0.46	19	-0.37	20	-0.36	20	-0.06
Meat transfer factor for Pa	28	-0.37	49	-0.18	88	-0.01	88	0.00
Milk transfer factor for Pa	82	0.08	82	0.05	11	-0.51	11	-0.09
Fish transfer factor for Pa	63	-0.17	51	-0.17	40	-0.22	41	-0.03
Plant transfer factor for Ra	45	0.28	50	0.18	4	0.79	4	0.20
Meat transfer factor for Ra	7	0.55	11	0.51	5	0.77	5	0.18
Milk transfer factor for Ra	65	-0.17	69	-0.10	66	-0.08	66	-0.01
Fish transfer factor for Ra	37	-0.33	21	-0.36	18	-0.43	18	-0.07
Plant transfer factor for Tc	48	-0.27	52	-0.17	35	0.25	34	0.04
Meat transfer factor for Tc	44	-0.28	46	-0.20	58	-0.15	58	-0.02
Milk transfer factor for Tc	79	0.09	80	0.05	80	0.05	78	0.01
Fish transfer factor for Tc	81	0.08	83	0.04	31	-0.30	32	-0.05
Plant transfer factor for Th	56	-0.23	62	-0.14	15	0.46	15	0.08
Meat transfer factor for Th	40	0.32	39	0.23	13	0.49	13	0.08
Milk transfer factor for Th	30	-0.37	45	-0.20	39	-0.22	38	-0.03
Fish transfer factor for Th	62	-0.17	67	-0.10	85	0.03	85	0.00
Plant transfer factor for U	2	0.74	9	0.52	2	0.93	2	0.39
Meat transfer factor for U	4	0.62	17	0.40	3	0.92	3	0.36
Milk transfer factor for U	66	0.16	71	0.09	61	-0.11	61	-0.02
Fish transfer factor for U	42	-0.29	55	-0.16	56	0.16	55	0.02
Well pumping rate	32	-0.36	44	-0.20	8	-0.59	8	-0.11
Mass loading for inhalation	87	0.04	87	0.02	33	-0.29	33	-0.05
Indoor dust filtration factor	8	-0.54	23	-0.33	34	0.25	35	0.04
Depth of soil mixing layer	25	-0.38	41	-0.22	64	0.09	64	0.01
Depth of roots	1	0.75	10	0.51	1	0.98	1	0.70
Wet weight crop yield of fruit, grain and non-leafy vegetables	47	0.27	58	0.15	27	0.33	28	0.05
Weathering removal constant of all vegetation	67	-0.15	68	-0.10	29	0.32	29	0.05
Wet foliar interception fraction of leafy vegetables	9	-0.50	12	-0.49	36	-0.23	36	-0.04

R-SQUARE 0.93 0.93 0.98 0.98

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

Coefficients for peak Meat (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	83	0.02	80	0.02	25	-0.45	26	-0.08
Kd of Ac-227 in Unsaturated Zone 1	79	-0.03	71	-0.02	63	-0.15	63	-0.02
Kd of Ac-227 in Saturated Zone	48	0.15	62	0.04	55	0.19	55	0.03
Kd of Am-241 in Contaminated Zone	88	0.00	88	0.00	20	-0.48	20	-0.09
Kd of Am-241 in Unsaturated Zone 1	28	0.22	5	0.44	52	0.20	52	0.03
Kd of Am-241 in Saturated Zone	53	-0.12	39	-0.08	41	-0.28	41	-0.05
Kd of Np-237 in Contaminated Zone	63	0.09	59	0.05	27	0.43	27	0.08
Kd of Np-237 in Unsaturated Zone 1	33	-0.19	43	-0.07	16	-0.52	16	-0.10
Kd of Np-237 in Saturated Zone	26	-0.23	19	-0.18	40	-0.29	40	-0.05
Kd of Pa-231 in Contaminated Zone	40	0.17	42	0.08	69	-0.09	69	-0.01
Kd of Pa-231 in Unsaturated Zone 1	47	0.15	49	0.07	36	0.31	37	0.05
Kd of Pa-231 in Saturated Zone	65	-0.07	65	-0.03	72	0.08	72	0.01
Kd of Pb-210 in Contaminated Zone	57	0.12	25	0.15	57	-0.17	57	-0.03
Kd of Pb-210 in Unsaturated Zone 1	14	-0.36	18	-0.22	73	-0.07	73	-0.01
Kd of Pb-210 in Saturated Zone	89	0.00	89	0.00	22	0.48	22	0.09
Kd of Pu-239 in Contaminated Zone	46	-0.15	52	-0.07	85	-0.04	85	-0.01
Kd of Pu-239 in Unsaturated Zone 1	9	-0.45	9	-0.34	30	0.41	30	0.07
Kd of Pu-239 in Saturated Zone	21	-0.30	8	-0.35	70	0.09	71	0.01
Kd of Ra-226 in Contaminated Zone	72	-0.05	73	-0.02	14	-0.53	14	-0.10
Kd of Ra-226 in Unsaturated Zone 1	78	0.04	75	0.02	74	0.07	74	0.01
Kd of Ra-226 in Saturated Zone	60	-0.10	26	-0.15	24	0.45	25	0.08
Kd of Ra-228 in Contaminated Zone	20	-0.30	1	-0.59	80	-0.05	81	-0.01
Kd of Ra-228 in Unsaturated Zone 1	80	0.03	82	0.01	37	0.30	36	0.05
Kd of Ra-228 in Saturated Zone	51	0.13	37	0.08	26	-0.44	24	-0.08
Kd of Tc-99 in Saturated Zone	29	-0.22	22	-0.17	28	0.42	28	0.07
Kd of Th-228 in Contaminated Zone	24	0.25	32	0.11	10	-0.57	10	-0.11
Kd of Th-228 in Unsaturated Zone 1	32	-0.19	34	-0.10	67	0.11	67	0.02
Kd of Th-228 in Saturated Zone	87	-0.01	87	0.00	19	-0.50	19	-0.09
Kd of Th-229 in Contaminated Zone	7	0.48	11	0.28	61	0.15	61	0.02
Kd of Th-229 in Unsaturated Zone 1	49	0.15	57	0.05	23	-0.47	23	-0.08
Kd of Th-229 in Saturated Zone	38	-0.18	14	-0.26	87	0.04	87	0.01
Kd of Th-230 in Contaminated Zone	81	0.03	70	0.02	88	0.03	88	0.01
Kd of Th-230 in Unsaturated Zone 1	10	0.45	6	0.39	76	-0.07	76	-0.01
Kd of Th-230 in Saturated Zone	44	0.16	17	0.22	79	-0.06	79	-0.01
Kd of Th-232 in Contaminated Zone	62	0.10	61	0.05	62	0.15	62	0.02
Kd of Th-232 in Unsaturated Zone 1	18	-0.31	30	-0.11	82	0.05	82	0.01
Kd of Th-232 in Saturated Zone	61	-0.10	55	-0.06	86	0.04	86	0.01
Kd of U-233 in Saturated Zone	19	-0.31	21	-0.17	53	0.19	53	0.03
Kd of U-234 in Saturated Zone	70	0.05	66	0.03	78	-0.06	77	-0.01
Kd of U-235 in Saturated Zone	76	-0.04	77	-0.02	64	-0.14	64	-0.02
Kd of U-238 in Saturated Zone	15	0.34	4	0.45	15	0.52	15	0.10
Plant transfer factor for Ac	73	0.05	74	0.02	66	-0.13	66	-0.02
Meat transfer factor for Ac	8	-0.46	15	-0.25	6	-0.69	6	-0.15
Milk transfer factor for Ac	35	0.19	41	0.08	29	-0.42	29	-0.07
Fish transfer factor for Ac	39	0.17	36	0.09	44	-0.25	44	-0.04
Plant transfer factor for Am	25	0.25	31	0.11	17	-0.50	17	-0.09
Meat transfer factor for Am	11	0.44	16	0.23	49	-0.21	49	-0.03
Milk transfer factor for Am	37	0.18	44	0.07	42	-0.27	42	-0.04
Fish transfer factor for Am	22	-0.26	28	-0.13	38	0.30	38	0.05
Plant transfer factor for Pb	56	0.12	50	0.07	7	0.60	7	0.12
Meat transfer factor for Pb	31	0.21	40	0.08	13	0.55	13	0.11
Milk transfer factor for Pb	55	-0.12	60	-0.05	45	-0.24	45	-0.04
Fish transfer factor for Pb	27	0.22	38	0.08	56	-0.18	56	-0.03
Plant transfer factor for Np	13	0.39	10	0.28	71	-0.09	70	-0.01
Meat transfer factor for Np	16	-0.34	27	-0.15	65	-0.13	65	-0.02
Milk transfer factor for Np	75	-0.04	79	-0.02	83	0.05	83	0.01
Fish transfer factor for Np	41	-0.17	33	-0.10	32	0.37	32	0.06
Plant transfer factor for Pu	84	-0.02	84	-0.01	11	-0.57	11	-0.11
Meat transfer factor for Pu	71	-0.05	78	-0.02	46	-0.22	47	-0.04
Milk transfer factor for Pu	64	-0.08	67	-0.03	84	-0.04	84	-0.01
Fish transfer factor for Pu	45	-0.16	47	-0.07	58	0.17	58	0.03
Plant transfer factor for Pa	23	-0.26	24	-0.16	54	-0.19	54	-0.03
Meat transfer factor for Pa	34	0.19	48	0.07	59	0.17	59	0.03
Milk transfer factor for Pa	77	-0.04	83	-0.01	33	-0.36	33	-0.06
Fish transfer factor for Pa	43	-0.16	45	-0.07	50	-0.21	50	-0.03
Plant transfer factor for Ra	5	0.49	20	0.18	4	0.81	4	0.22
Meat transfer factor for Ra	4	0.50	13	0.27	5	0.78	5	0.20
Milk transfer factor for Ra	42	0.16	53	0.06	77	-0.06	78	-0.01
Fish transfer factor for Ra	50	0.14	56	0.05	75	0.07	75	0.01
Plant transfer factor for Tc	59	0.11	51	0.07	60	0.17	60	0.03
Meat transfer factor for Tc	74	-0.05	76	-0.02	89	0.00	89	0.00
Milk transfer factor for Tc	30	0.21	46	0.07	47	-0.22	48	-0.04
Fish transfer factor for Tc	36	-0.18	29	-0.11	68	0.11	68	0.02
Plant transfer factor for Th	6	0.49	12	0.27	35	-0.33	35	-0.06
Meat transfer factor for Th	68	-0.06	69	-0.02	43	0.26	43	0.04
Milk transfer factor for Th	82	-0.03	81	-0.01	12	0.55	12	0.11
Fish transfer factor for Th	54	-0.12	58	-0.05	51	0.21	51	0.03
Plant transfer factor for U	1	0.80	2	0.55	2	0.94	2	0.44
Meat transfer factor for U	2	0.75	7	0.38	3	0.87	3	0.28
Milk transfer factor for U	58	0.11	63	0.03	9	0.59	8	0.12
Fish transfer factor for U	67	0.06	64	0.03	48	0.21	46	0.04
Well pumping rate	85	-0.01	85	0.00	21	0.48	21	0.09
Mass loading for inhalation	17	0.31	35	0.09	18	0.50	18	0.09
Indoor dust filtration factor	69	0.05	72	0.02	81	0.05	80	0.01
Depth of soil mixing layer	66	0.07	68	0.03	34	0.35	34	0.06
Depth of roots	3	0.72	3	0.50	1	0.97	1	0.63
Wet weight crop yield of fruit, grain and non-leafy vegetables	12	0.40	23	0.17	8	0.59	9	0.12
Weathering removal constant of all vegetation	52	-0.13	54	-0.06	31	0.38	31	0.07
Wet foliar interception fraction of leafy vegetables	86	0.01	86	0.00	39	0.29	39	0.05

R-SQUARE 0.96 0.96 0.98 0.98

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

Coefficients for peak Meat (WaterInd.) 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	5	0.61	19	0.25	21	-0.35	21	-0.07	
Kd of Ac-227 in Unsaturated Zone 1	75	-0.05	76	-0.02	46	0.17	46	0.03	
Kd of Ac-227 in Saturated Zone	22	0.37	25	0.22	55	0.13	56	0.03	
Kd of Am-241 in Contaminated Zone	58	0.16	59	0.08	53	-0.14	55	-0.03	
Kd of Am-241 in Unsaturated Zone 1	43	0.23	1	7.26	11	-0.44	11	-0.10	
Kd of Am-241 in Saturated Zone	4	0.63	14	0.29	38	-0.22	38	-0.05	
Kd of Np-237 in Contaminated Zone	65	0.11	71	0.04	7	0.51	7	0.12	
Kd of Np-237 in Unsaturated Zone 1	26	-0.35	26	-0.21	19	-0.38	19	-0.08	
Kd of Np-237 in Saturated Zone	80	-0.02	79	-0.01	52	-0.14	50	-0.03	
Kd of Pa-231 in Contaminated Zone	7	-0.57	15	-0.27	50	0.14	51	0.03	
Kd of Pa-231 in Unsaturated Zone 1	63	-0.11	58	-0.08	26	0.31	26	0.06	
Kd of Pa-231 in Saturated Zone	61	0.13	55	0.08	41	0.21	41	0.04	
Kd of Pb-210 in Contaminated Zone	73	-0.07	73	-0.03	80	-0.06	81	-0.01	
Kd of Pb-210 in Unsaturated Zone 1	57	-0.17	40	-0.15	69	0.11	69	0.02	
Kd of Pb-210 in Saturated Zone	53	-0.20	48	-0.11	60	0.12	60	0.02	
Kd of Pu-239 in Contaminated Zone	62	-0.13	60	-0.08	44	0.17	44	0.03	
Kd of Pu-239 in Unsaturated Zone 1	78	-0.03	80	-0.01	85	0.02	85	0.00	
Kd of Pu-239 in Saturated Zone	39	-0.27	43	-0.13	62	0.12	62	0.02	
Kd of Ra-226 in Contaminated Zone	14	-0.47	21	-0.23	82	0.06	82	0.01	
Kd of Ra-226 in Unsaturated Zone 1	29	-0.33	35	-0.17	20	-0.37	20	-0.08	
Kd of Ra-226 in Saturated Zone	24	-0.37	29	-0.21	16	0.41	16	0.09	
Kd of Ra-228 in Contaminated Zone	70	0.09	67	0.04	79	-0.06	79	-0.01	
Kd of Ra-228 in Unsaturated Zone 1	6	-0.61	3	-0.62	63	-0.12	64	-0.02	
Kd of Ra-228 in Saturated Zone	30	-0.32	39	-0.15	39	-0.21	39	-0.04	
Kd of Tc-99 in Saturated Zone	83	-0.01	85	0.00	37	-0.24	37	-0.05	
Kd of Th-228 in Contaminated Zone	28	-0.34	38	-0.15	24	0.32	24	0.07	
Kd of Th-228 in Unsaturated Zone 1	42	-0.24	22	-0.23	86	-0.01	86	0.00	
Kd of Th-228 in Saturated Zone	54	0.19	56	0.08	27	-0.29	27	-0.06	
Kd of Th-229 in Contaminated Zone	8	0.56	16	0.27	23	-0.33	23	-0.07	
Kd of Th-229 in Unsaturated Zone 1	72	-0.09	72	-0.04	36	-0.24	36	-0.05	
Kd of Th-229 in Saturated Zone	11	-0.50	12	-0.33	58	0.12	58	0.02	
Kd of Th-230 in Contaminated Zone	34	-0.30	37	-0.16	12	0.43	13	0.09	
Kd of Th-230 in Unsaturated Zone 1	16	0.45	33	0.19	57	0.13	57	0.03	
Kd of Th-230 in Saturated Zone	66	-0.11	50	-0.10	77	0.07	77	0.01	
Kd of Th-232 in Contaminated Zone	27	0.34	24	0.22	45	-0.17	45	-0.03	
Kd of Th-232 in Unsaturated Zone 1	45	-0.23	2	-7.06	71	-0.10	71	-0.02	
Kd of Th-232 in Saturated Zone	41	-0.26	51	-0.09	40	0.21	40	0.04	
Kd of U-233 in Saturated Zone	74	-0.05	75	-0.02	6	0.53	6	0.12	
Kd of U-234 in Saturated Zone	67	0.10	63	0.06	78	-0.07	76	-0.01	
Kd of U-235 in Saturated Zone	85	-0.01	83	-0.01	17	0.39	17	0.09	
Kd of U-238 in Saturated Zone	17	0.42	6	0.42	30	-0.27	31	-0.06	
Plant transfer factor for Ac	86	0.01	84	0.00	51	-0.14	52	-0.03	
Meat transfer factor for Ac	89	0.00	89	0.00	65	0.12	65	0.02	
Milk transfer factor for Ac	50	-0.20	57	-0.08	42	-0.21	42	-0.04	
Fish transfer factor for Ac	88	0.00	86	0.00	74	0.08	74	0.02	
Plant transfer factor for Am	77	0.03	78	0.01	54	-0.13	54	-0.03	
Meat transfer factor for Am	32	0.32	27	0.21	87	0.01	87	0.00	
Milk transfer factor for Am	76	0.04	74	0.03	10	-0.45	10	-0.10	
Fish transfer factor for Am	1	0.70	4	0.47	84	-0.05	84	-0.01	
Plant transfer factor for Pb	19	-0.40	9	-0.36	61	0.12	61	0.02	
Meat transfer factor for Pb	33	-0.30	36	-0.16	13	0.43	12	0.10	
Milk transfer factor for Pb	87	0.00	88	0.00	22	0.34	22	0.07	
Fish transfer factor for Pb	51	-0.20	62	-0.07	35	0.25	35	0.05	
Plant transfer factor for Np	46	-0.21	52	-0.09	9	0.49	9	0.11	
Meat transfer factor for Np	38	0.28	46	0.12	8	0.50	8	0.12	
Milk transfer factor for Np	21	-0.38	13	-0.31	67	0.11	67	0.02	
Fish transfer factor for Np	79	0.03	77	0.02	14	0.42	14	0.09	
Plant transfer factor for Pu	12	-0.50	18	-0.26	18	-0.38	18	-0.08	
Meat transfer factor for Pu	31	-0.32	44	-0.13	72	-0.10	72	-0.02	
Milk transfer factor for Pu	13	0.50	17	0.27	81	0.06	80	0.01	
Fish transfer factor for Pu	60	0.14	66	0.05	29	-0.27	30	-0.06	
Plant transfer factor for Pa	49	0.21	53	0.09	47	-0.17	47	-0.03	
Meat transfer factor for Pa	10	0.54	5	0.44	43	0.19	43	0.04	
Milk transfer factor for Pa	36	0.29	28	0.21	31	-0.27	29	-0.06	
Fish transfer factor for Pa	56	-0.18	61	-0.07	75	-0.07	75	-0.01	
Plant transfer factor for Ra	15	0.46	11	0.35	4	0.71	4	0.19	
Meat transfer factor for Ra	40	0.26	42	0.14	5	0.56	5	0.13	
Milk transfer factor for Ra	71	0.09	69	0.04	34	-0.26	34	-0.05	
Fish transfer factor for Ra	59	0.15	65	0.05	88	-0.01	88	0.00	
Plant transfer factor for Tc	44	-0.23	47	-0.11	15	-0.41	15	-0.09	
Meat transfer factor for Tc	82	0.02	81	0.01	33	-0.26	33	-0.05	
Milk transfer factor for Tc	69	-0.10	68	-0.04	48	-0.15	48	-0.03	
Fish transfer factor for Tc	68	0.10	64	0.06	59	0.12	59	0.02	
Plant transfer factor for Th	81	-0.02	82	-0.01	25	0.32	25	0.07	
Meat transfer factor for Th	47	-0.21	30	-0.20	73	-0.08	73	-0.02	
Milk transfer factor for Th	25	0.36	32	0.19	28	0.29	28	0.06	
Fish transfer factor for Th	64	0.11	70	0.04	56	-0.13	53	-0.03	
Plant transfer factor for U	3	0.65	8	0.38	2	0.91	2	0.42	
Meat transfer factor for U	9	0.55	10	0.35	3	0.74	3	0.22	
Milk transfer factor for U	18	-0.42	20	-0.24	49	-0.14	49	-0.03	
Fish transfer factor for U	55	0.18	49	0.10	76	0.07	78	0.01	
Well pumping rate	48	0.21	54	0.09	68	0.11	68	0.02	
Mass loading for inhalation	35	0.29	34	0.17	64	-0.12	63	-0.02	
Indoor dust filtration factor	20	0.39	23	0.23	32	0.27	32	0.05	
Depth of soil mixing layer	23	0.37	31	0.19	83	0.05	83	0.01	
Depth of roots	2	0.67	7	0.40	1	0.96	1	0.69	
Wet weight crop yield of fruit, grain and non-leafy vegetables	37	0.29	41	0.14	70	-0.10	70	-0.02	
Weathering removal constant of all vegetation	52	0.20	45	0.13	66	0.11	66	0.02	
Wet foliar interception fraction of leafy vegetables	84	-0.01	87	0.00	89	0.00	89	0.00	

R-SQUARE 0.96 0.96 0.96 0.96

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

Coefficients for peak Milk (WaterInd.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Ac-227 in Contaminated Zone	71	0.07	75	0.03	40	0.31	40	0.05	
Kd of Ac-227 in Unsaturated Zone 1	69	-0.07	73	-0.03	48	0.26	48	0.04	
Kd of Ac-227 in Saturated Zone	62	-0.08	64	-0.05	30	-0.38	29	-0.06	
Kd of Am-241 in Contaminated Zone	60	0.09	62	0.05	41	-0.31	41	-0.05	
Kd of Am-241 in Unsaturated Zone 1	55	0.11	32	0.13	59	0.17	59	0.03	
Kd of Am-241 in Saturated Zone	54	0.11	10	0.24	45	0.27	47	0.04	
Kd of Np-237 in Contaminated Zone	9	-0.42	1	-0.56	27	0.40	27	0.06	
Kd of Np-237 in Unsaturated Zone 1	73	-0.06	63	-0.05	88	-0.01	88	0.00	
Kd of Np-237 in Saturated Zone	23	-0.26	25	-0.14	34	-0.35	34	-0.05	
Kd of Pa-231 in Contaminated Zone	56	-0.10	60	-0.06	44	0.27	44	0.04	
Kd of Pa-231 in Unsaturated Zone 1	70	-0.07	21	-0.15	26	-0.43	26	-0.07	
Kd of Pa-231 in Saturated Zone	68	0.07	70	0.04	66	-0.13	66	-0.02	
Kd of Pb-210 in Contaminated Zone	38	0.17	40	0.11	14	0.53	14	0.09	
Kd of Pb-210 in Unsaturated Zone 1	43	-0.16	20	-0.16	32	-0.37	31	-0.06	
Kd of Pb-210 in Saturated Zone	45	-0.15	33	-0.13	25	0.43	25	0.07	
Kd of Pu-239 in Contaminated Zone	47	-0.14	35	-0.12	18	-0.47	18	-0.07	
Kd of Pu-239 in Unsaturated Zone 1	44	0.15	44	0.10	52	0.23	51	0.03	
Kd of Pu-239 in Saturated Zone	46	-0.14	50	-0.09	73	-0.10	73	-0.01	
Kd of Ra-226 in Contaminated Zone	75	0.06	66	0.05	58	-0.18	58	-0.03	
Kd of Ra-226 in Unsaturated Zone 1	7	-0.44	7	-0.32	19	-0.46	19	-0.07	
Kd of Ra-226 in Saturated Zone	87	0.00	87	0.00	42	-0.29	42	-0.04	
Kd of Ra-228 in Contaminated Zone	8	0.42	3	0.52	72	0.11	72	0.02	
Kd of Ra-228 in Unsaturated Zone 1	63	-0.08	71	-0.04	43	0.29	43	0.04	
Kd of Ra-228 in Saturated Zone	36	-0.18	28	-0.14	57	0.19	57	0.03	
Kd of Tc-99 in Saturated Zone	84	-0.01	83	-0.01	24	0.43	23	0.07	
Kd of Th-228 in Contaminated Zone	27	-0.22	56	-0.07	47	-0.27	46	-0.04	
Kd of Th-228 in Unsaturated Zone 1	33	-0.20	13	-0.22	16	0.49	16	0.08	
Kd of Th-228 in Saturated Zone	51	0.12	37	0.11	51	-0.23	52	-0.03	
Kd of Th-229 in Contaminated Zone	15	-0.30	26	-0.14	50	0.23	50	0.03	
Kd of Th-229 in Unsaturated Zone 1	57	-0.10	36	-0.11	53	0.23	53	0.03	
Kd of Th-229 in Saturated Zone	13	-0.32	27	-0.14	61	0.15	62	0.02	
Kd of Th-230 in Contaminated Zone	24	0.25	19	0.17	22	0.43	24	0.07	
Kd of Th-230 in Unsaturated Zone 1	22	-0.27	11	-0.23	55	-0.21	55	-0.03	
Kd of Th-230 in Saturated Zone	34	-0.19	39	-0.11	89	0.00	89	0.00	
Kd of Th-232 in Contaminated Zone	40	-0.16	51	-0.09	49	0.26	49	0.04	
Kd of Th-232 in Unsaturated Zone 1	49	0.13	48	0.09	64	-0.14	64	-0.02	
Kd of Th-232 in Saturated Zone	41	-0.16	53	-0.08	13	-0.54	13	-0.09	
Kd of U-233 in Saturated Zone	37	-0.18	47	-0.10	23	0.43	22	0.07	
Kd of U-234 in Saturated Zone	74	0.06	46	0.10	86	-0.03	86	0.00	
Kd of U-235 in Saturated Zone	50	0.12	43	0.11	74	-0.09	74	-0.01	
Kd of U-238 in Saturated Zone	10	0.39	8	0.28	17	-0.47	17	-0.08	
Plant transfer factor for Ac	42	-0.16	55	-0.08	36	0.33	35	0.05	
Meat transfer factor for Ac	58	-0.10	67	-0.04	75	0.09	75	0.01	
Milk transfer factor for Ac	14	-0.31	14	-0.22	20	-0.45	20	-0.07	
Fish transfer factor for Ac	67	0.07	68	0.04	63	-0.14	63	-0.02	
Plant transfer factor for Am	18	0.28	31	0.13	28	0.38	30	0.06	
Meat transfer factor for Am	17	-0.28	15	-0.22	39	0.31	39	0.05	
Milk transfer factor for Am	16	-0.29	18	-0.17	8	0.64	8	0.12	
Fish transfer factor for Am	25	-0.23	22	-0.15	62	0.15	61	0.02	
Plant transfer factor for Pb	53	0.11	54	0.08	46	-0.27	45	-0.04	
Meat transfer factor for Pb	11	-0.34	24	-0.14	21	-0.44	21	-0.07	
Milk transfer factor for Pb	82	-0.02	81	-0.01	54	0.21	54	0.03	
Fish transfer factor for Pb	89	0.00	89	0.00	56	-0.19	56	-0.03	
Plant transfer factor for Np	39	-0.17	52	-0.09	84	0.04	84	0.01	
Meat transfer factor for Np	85	-0.01	84	-0.01	67	0.12	67	0.02	
Milk transfer factor for Np	78	-0.05	78	-0.02	38	-0.32	38	-0.05	
Fish transfer factor for Np	76	-0.05	65	-0.05	77	-0.09	77	-0.01	
Plant transfer factor for Pu	66	-0.07	72	-0.03	37	0.33	37	0.05	
Meat transfer factor for Pu	48	0.14	61	0.06	29	-0.38	28	-0.06	
Milk transfer factor for Pu	31	-0.21	42	-0.11	81	0.06	81	0.01	
Fish transfer factor for Pu	72	-0.06	76	-0.02	80	0.06	80	0.01	
Plant transfer factor for Pa	12	0.33	16	0.21	78	-0.07	78	-0.01	
Meat transfer factor for Pa	83	0.02	85	0.01	82	0.05	82	0.01	
Milk transfer factor for Pa	88	0.00	88	0.00	6	-0.67	6	-0.13	
Fish transfer factor for Pa	29	0.21	17	0.17	85	-0.04	85	-0.01	
Plant transfer factor for Ra	4	0.56	6	0.34	4	0.84	4	0.22	
Meat transfer factor for Ra	59	0.09	59	0.06	83	-0.05	83	-0.01	
Milk transfer factor for Ra	6	0.44	9	0.25	11	0.55	11	0.09	
Fish transfer factor for Ra	65	0.08	57	0.07	35	-0.34	36	-0.05	
Plant transfer factor for Tc	3	0.63	5	0.41	5	0.77	5	0.17	
Meat transfer factor for Tc	32	-0.20	38	-0.11	87	-0.01	87	0.00	
Milk transfer factor for Tc	20	0.28	29	0.13	12	0.55	12	0.09	
Fish transfer factor for Tc	5	0.46	12	0.23	69	0.11	70	0.02	
Plant transfer factor for Th	35	0.19	49	0.09	31	0.37	32	0.06	
Meat transfer factor for Th	52	-0.11	58	-0.06	10	0.58	10	0.10	
Milk transfer factor for Th	21	-0.27	34	-0.12	33	-0.36	33	-0.05	
Fish transfer factor for Th	28	0.22	41	0.11	70	0.11	69	0.02	
Plant transfer factor for U	1	0.80	2	0.52	2	0.94	2	0.39	
Meat transfer factor for U	26	0.22	45	0.10	15	0.51	15	0.09	
Milk transfer factor for U	19	0.28	30	0.13	3	0.89	3	0.29	
Fish transfer factor for U	61	0.09	69	0.04	65	-0.13	65	-0.02	
Well pumping rate	79	0.05	79	0.02	7	-0.65	7	-0.13	
Mass loading for inhalation	64	-0.08	74	-0.03	9	-0.60	9	-0.11	
Indoor dust filtration factor	81	-0.03	82	-0.01	76	0.09	76	0.01	
Depth of soil mixing layer	77	-0.05	77	-0.02	71	0.11	71	0.02	
Depth of roots	2	0.78	4	0.48	1	0.98	1	0.70	
Wet weight crop yield of fruit, grain and non-leafy vegetables	80	0.03	80	0.01	79	0.06	79	0.01	
Weathering removal constant of all vegetation	86	-0.01	86	0.00	68	-0.12	68	-0.02	
Wet foliar interception fraction of leafy vegetables	30	0.21	23	0.15	60	-0.16	60	-0.02	

R-SQUARE 0.95 0.95 0.98 0.98

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

Coefficients for peak Milk (WaterInd.) 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	32	0.37	24	0.18	31	-0.26	32	-0.05	
Kd of Ac-227 in Unsaturated Zone 1	76	0.07	73	0.03	70	-0.09	69	-0.02	
Kd of Ac-227 in Saturated Zone	85	-0.02	86	0.00	72	-0.09	72	-0.02	
Kd of Am-241 in Contaminated Zone	60	0.18	63	0.05	84	-0.03	84	-0.01	
Kd of Am-241 in Unsaturated Zone 1	16	0.55	1	0.81	28	0.27	26	0.06	
Kd of Am-241 in Saturated Zone	22	-0.45	19	-0.22	15	-0.35	15	-0.08	
Kd of Np-237 in Contaminated Zone	23	0.44	27	0.17	66	0.11	66	0.02	
Kd of Np-237 in Unsaturated Zone 1	52	-0.26	58	-0.06	30	-0.26	30	-0.06	
Kd of Np-237 in Saturated Zone	70	-0.13	57	-0.06	89	0.00	89	0.00	
Kd of Pa-231 in Contaminated Zone	83	-0.03	82	-0.01	19	-0.31	19	-0.07	
Kd of Pa-231 in Unsaturated Zone 1	18	-0.54	26	-0.18	65	-0.11	65	-0.02	
Kd of Pa-231 in Saturated Zone	63	0.16	64	0.04	81	-0.04	81	-0.01	
Kd of Pb-210 in Contaminated Zone	41	-0.30	15	-0.27	73	-0.08	73	-0.02	
Kd of Pb-210 in Unsaturated Zone 1	7	-0.62	14	-0.29	88	-0.01	88	0.00	
Kd of Pb-210 in Saturated Zone	59	0.20	60	0.05	21	0.30	20	0.07	
Kd of Pu-239 in Contaminated Zone	75	0.07	76	0.02	38	0.23	38	0.05	
Kd of Pu-239 in Unsaturated Zone 1	89	-0.01	88	0.00	16	0.34	16	0.07	
Kd of Pu-239 in Saturated Zone	36	-0.33	17	-0.25	57	-0.14	57	-0.03	
Kd of Ra-226 in Contaminated Zone	48	0.27	51	0.07	11	-0.40	11	-0.09	
Kd of Ra-226 in Unsaturated Zone 1	33	-0.35	33	-0.13	45	-0.20	45	-0.04	
Kd of Ra-226 in Saturated Zone	11	-0.58	2	-0.66	24	0.27	28	0.06	
Kd of Ra-228 in Contaminated Zone	25	-0.44	4	-0.59	46	-0.19	46	-0.04	
Kd of Ra-228 in Unsaturated Zone 1	34	0.33	41	0.10	74	-0.07	74	-0.01	
Kd of Ra-228 in Saturated Zone	31	0.37	31	0.16	44	-0.20	44	-0.04	
Kd of Tc-99 in Saturated Zone	12	-0.57	11	-0.33	71	0.09	71	0.02	
Kd of Th-228 in Contaminated Zone	49	0.27	49	0.08	12	-0.39	12	-0.09	
Kd of Th-228 in Unsaturated Zone 1	15	-0.55	20	-0.20	80	-0.05	80	-0.01	
Kd of Th-228 in Saturated Zone	27	-0.41	34	-0.12	47	-0.19	47	-0.04	
Kd of Th-229 in Contaminated Zone	20	0.51	22	0.19	85	-0.02	85	0.00	
Kd of Th-229 in Unsaturated Zone 1	67	0.15	69	0.03	14	-0.36	14	-0.08	
Kd of Th-229 in Saturated Zone	26	0.41	5	0.43	53	-0.16	53	-0.03	
Kd of Th-230 in Contaminated Zone	68	0.15	54	0.07	76	0.05	77	0.01	
Kd of Th-230 in Unsaturated Zone 1	53	0.25	32	0.13	59	0.14	61	0.03	
Kd of Th-230 in Saturated Zone	10	0.58	3	0.62	75	-0.07	75	-0.01	
Kd of Th-232 in Contaminated Zone	17	-0.54	21	-0.20	51	0.17	51	0.04	
Kd of Th-232 in Unsaturated Zone 1	64	0.15	70	0.03	64	0.11	64	0.02	
Kd of Th-232 in Saturated Zone	46	0.28	40	0.10	58	0.14	58	0.03	
Kd of U-233 in Saturated Zone	43	-0.29	38	-0.10	40	0.22	40	0.05	
Kd of U-234 in Saturated Zone	42	0.30	35	0.12	25	-0.27	24	-0.06	
Kd of U-235 in Saturated Zone	61	0.17	62	0.05	69	-0.10	70	-0.02	
Kd of U-238 in Saturated Zone	24	0.44	6	0.39	36	0.24	34	0.05	
Plant transfer factor for Ac	28	0.41	36	0.11	77	0.05	76	0.01	
Meat transfer factor for Ac	9	-0.60	18	-0.24	33	-0.25	31	-0.05	
Milk transfer factor for Ac	74	0.08	75	0.02	43	-0.21	43	-0.04	
Fish transfer factor for Ac	45	0.28	43	0.09	34	-0.24	36	-0.05	
Plant transfer factor for Am	55	-0.23	59	-0.06	29	-0.27	25	-0.06	
Meat transfer factor for Am	58	0.21	56	0.07	67	-0.10	67	-0.02	
Milk transfer factor for Am	88	-0.01	89	0.00	52	-0.16	52	-0.03	
Fish transfer factor for Am	81	-0.03	80	-0.01	82	-0.04	82	-0.01	
Plant transfer factor for Pb	44	-0.29	37	-0.11	68	0.10	68	0.02	
Meat transfer factor for Pb	65	0.15	67	0.04	61	0.13	60	0.03	
Milk transfer factor for Pb	19	-0.53	28	-0.16	37	0.23	37	0.05	
Fish transfer factor for Pb	56	0.22	61	0.05	79	-0.05	79	-0.01	
Plant transfer factor for Np	5	0.63	9	0.34	49	-0.18	49	-0.04	
Meat transfer factor for Np	50	0.27	53	0.07	18	-0.31	18	-0.07	
Milk transfer factor for Np	37	0.32	44	0.09	87	0.01	87	0.00	
Fish transfer factor for Np	29	-0.40	29	-0.16	6	0.48	6	0.11	
Plant transfer factor for Pu	84	0.03	83	0.01	83	-0.03	83	-0.01	
Meat transfer factor for Pu	82	0.03	84	0.01	27	-0.27	29	-0.06	
Milk transfer factor for Pu	66	0.15	68	0.03	22	0.29	22	0.06	
Fish transfer factor for Pu	39	0.31	42	0.10	50	0.18	50	0.04	
Plant transfer factor for Pa	6	-0.62	12	-0.31	39	-0.22	39	-0.05	
Meat transfer factor for Pa	62	0.16	66	0.04	63	0.12	63	0.03	
Milk transfer factor for Pa	79	0.05	79	0.01	17	-0.32	17	-0.07	
Fish transfer factor for Pa	21	-0.49	30	-0.16	20	-0.30	21	-0.07	
Plant transfer factor for Ra	1	0.86	10	0.34	4	0.83	4	0.31	
Meat transfer factor for Ra	54	0.23	52	0.07	32	0.25	33	0.05	
Milk transfer factor for Ra	8	0.61	25	0.18	5	0.59	5	0.15	
Fish transfer factor for Ra	40	0.31	50	0.08	55	0.15	55	0.03	
Plant transfer factor for Tc	14	0.55	16	0.26	7	0.43	8	0.10	
Meat transfer factor for Tc	80	-0.04	81	-0.01	13	-0.38	13	-0.09	
Milk transfer factor for Tc	30	0.39	47	0.09	54	0.16	54	0.03	
Fish transfer factor for Tc	51	0.27	39	0.10	86	0.02	86	0.00	
Plant transfer factor for Th	72	0.12	65	0.04	62	0.13	62	0.03	
Meat transfer factor for Th	78	0.06	78	0.01	35	0.24	35	0.05	
Milk transfer factor for Th	57	0.22	55	0.07	8	0.43	7	0.10	
Fish transfer factor for Th	38	0.32	45	0.09	56	0.15	56	0.03	
Plant transfer factor for U	3	0.80	8	0.36	2	0.89	2	0.40	
Meat transfer factor for U	69	-0.14	71	-0.03	78	-0.05	78	-0.01	
Milk transfer factor for U	2	0.83	13	0.29	3	0.85	3	0.34	
Fish transfer factor for U	87	0.01	85	0.00	60	0.13	59	0.03	
Well pumping rate	47	-0.28	48	-0.08	9	0.42	9	0.10	
Mass loading for inhalation	86	-0.02	87	0.00	41	0.21	41	0.05	
Indoor dust filtration factor	35	-0.33	46	-0.09	26	0.27	27	0.06	
Depth of soil mixing layer	73	-0.11	74	-0.03	23	0.29	23	0.06	
Depth of roots	4	0.77	7	0.38	1	0.95	1	0.66	
Wet weight crop yield of fruit, grain and non-leafy vegetables	77	0.07	77	0.02	10	0.42	10	0.10	
Weathering removal constant of all vegetation	13	0.55	23	0.19	42	0.21	42	0.05	
Wet foliar interception fraction of leafy vegetables	71	-0.12	72	-0.03	48	0.18	48	0.04	

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 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	5	-0.45	21	-0.19	45	-0.19	45	-0.04
Kd of Ac-227 in Unsaturated Zone 1	73	0.07	74	0.04	54	0.16	54	0.03
Kd of Ac-227 in Saturated Zone	78	0.05	78	0.03	62	-0.12	62	-0.02
Kd of Am-241 in Contaminated Zone	16	0.30	25	0.16	53	-0.17	53	-0.03
Kd of Am-241 in Unsaturated Zone 1	51	-0.14	2	-4.89	13	-0.41	13	-0.09
Kd of Am-241 in Saturated Zone	3	0.55	9	0.27	87	-0.01	87	0.00
Kd of Np-237 in Contaminated Zone	45	-0.16	57	-0.06	36	0.24	36	0.05
Kd of Np-237 in Unsaturated Zone 1	11	-0.32	16	-0.21	8	-0.48	8	-0.11
Kd of Np-237 in Saturated Zone	83	-0.03	83	-0.02	68	-0.09	68	-0.02
Kd of Pa-231 in Contaminated Zone	14	0.31	30	0.14	78	0.04	78	0.01
Kd of Pa-231 in Unsaturated Zone 1	33	0.21	24	0.16	11	0.46	11	0.10
Kd of Pa-231 in Saturated Zone	35	0.20	29	0.15	59	0.13	59	0.02
Kd of Pb-210 in Contaminated Zone	8	0.40	18	0.20	80	-0.04	80	-0.01
Kd of Pb-210 in Unsaturated Zone 1	68	-0.08	49	-0.08	79	0.04	79	0.01
Kd of Pb-210 in Saturated Zone	66	-0.09	64	-0.05	37	0.23	37	0.05
Kd of Pu-239 in Contaminated Zone	75	0.07	70	0.04	52	0.17	52	0.03
Kd of Pu-239 in Unsaturated Zone 1	46	-0.15	56	-0.07	73	0.06	74	0.01
Kd of Pu-239 in Saturated Zone	53	0.13	53	0.07	82	0.03	82	0.01
Kd of Ra-226 in Contaminated Zone	81	0.04	82	0.02	71	0.08	71	0.01
Kd of Ra-226 in Unsaturated Zone 1	38	0.19	42	0.10	14	-0.41	14	-0.09
Kd of Ra-226 in Saturated Zone	21	0.28	23	0.17	38	0.23	38	0.04
Kd of Ra-228 in Contaminated Zone	86	0.01	87	0.01	32	0.27	32	0.05
Kd of Ra-228 in Unsaturated Zone 1	12	0.32	5	0.30	47	0.19	46	0.04
Kd of Ra-228 in Saturated Zone	32	-0.21	40	-0.11	50	-0.18	50	-0.03
Kd of Tc-99 in Saturated Zone	26	-0.24	43	-0.10	57	-0.14	57	-0.03
Kd of Th-228 in Contaminated Zone	41	0.18	46	0.09	7	0.50	7	0.11
Kd of Th-228 in Unsaturated Zone 1	31	-0.21	13	-0.23	51	-0.18	49	-0.03
Kd of Th-228 in Saturated Zone	61	-0.10	67	-0.05	76	0.05	76	0.01
Kd of Th-229 in Contaminated Zone	69	-0.08	75	-0.03	5	-0.59	5	-0.14
Kd of Th-229 in Unsaturated Zone 1	42	0.17	48	0.08	64	0.11	64	0.02
Kd of Th-229 in Saturated Zone	76	0.06	72	0.04	41	-0.21	42	-0.04
Kd of Th-230 in Contaminated Zone	85	0.03	85	0.01	26	0.31	28	0.06
Kd of Th-230 in Unsaturated Zone 1	67	-0.08	77	-0.03	81	-0.04	81	-0.01
Kd of Th-230 in Saturated Zone	80	0.05	66	0.05	23	0.34	24	0.07
Kd of Th-232 in Contaminated Zone	30	0.22	26	0.15	86	-0.01	86	0.00
Kd of Th-232 in Unsaturated Zone 1	47	0.15	1	5.07	42	-0.21	40	-0.04
Kd of Th-232 in Saturated Zone	72	0.07	81	0.03	85	-0.02	85	0.00
Kd of U-233 in Saturated Zone	34	0.21	38	0.11	6	0.54	6	0.12
Kd of U-234 in Saturated Zone	19	0.29	17	0.21	66	0.10	66	0.02
Kd of U-235 in Saturated Zone	20	0.29	6	0.29	21	0.35	21	0.07
Kd of U-238 in Saturated Zone	28	-0.23	11	-0.24	30	-0.28	30	-0.06
Plant transfer factor for Ac	79	-0.05	71	-0.04	89	0.00	89	0.00
Meat transfer factor for Ac	64	0.09	63	0.05	70	-0.08	70	-0.02
Milk transfer factor for Ac	55	0.13	59	0.06	33	-0.26	33	-0.05
Fish transfer factor for Ac	74	-0.07	65	-0.05	56	0.15	55	0.03
Plant transfer factor for Am	71	-0.07	76	-0.03	46	-0.19	47	-0.04
Meat transfer factor for Am	59	-0.11	50	-0.08	65	0.10	65	0.02
Milk transfer factor for Am	44	-0.16	37	-0.12	9	-0.47	9	-0.10
Fish transfer factor for Am	29	-0.22	36	-0.12	34	0.26	34	0.05
Plant transfer factor for Pb	43	0.17	27	0.15	48	0.19	48	0.04
Meat transfer factor for Pb	58	0.12	55	0.07	17	0.39	17	0.08
Milk transfer factor for Pb	84	0.03	84	0.02	24	0.34	22	0.07
Fish transfer factor for Pb	89	0.01	89	0.00	44	0.19	44	0.04
Plant transfer factor for Np	36	-0.20	45	-0.10	39	0.21	41	0.04
Meat transfer factor for Np	57	0.12	62	0.06	10	0.47	10	0.10
Milk transfer factor for Np	48	-0.15	34	-0.13	72	-0.08	72	-0.01
Fish transfer factor for Np	88	0.01	86	0.01	27	0.30	27	0.06
Plant transfer factor for Pu	70	-0.08	73	-0.04	22	-0.34	23	-0.07
Meat transfer factor for Pu	4	-0.49	10	-0.25	43	-0.20	43	-0.04
Milk transfer factor for Pu	9	0.39	14	0.22	63	-0.11	63	-0.02
Fish transfer factor for Pu	10	-0.32	35	-0.13	55	-0.15	56	-0.03
Plant transfer factor for Pa	24	-0.27	32	-0.13	77	0.05	77	0.01
Meat transfer factor for Pa	52	-0.13	41	-0.11	61	0.12	61	0.02
Milk transfer factor for Pa	82	0.04	79	0.03	75	0.06	75	0.01
Fish transfer factor for Pa	22	-0.27	33	-0.13	88	0.01	88	0.00
Plant transfer factor for Ra	18	0.29	12	0.23	3	0.77	3	0.24
Meat transfer factor for Ra	27	-0.24	31	-0.14	69	-0.08	69	-0.02
Milk transfer factor for Ra	65	0.09	68	0.05	28	0.30	26	0.06
Fish transfer factor for Ra	6	0.45	22	0.17	83	-0.03	83	-0.01
Plant transfer factor for Tc	77	0.06	80	0.03	16	0.39	15	0.08
Meat transfer factor for Tc	60	-0.10	58	-0.06	29	-0.29	29	-0.06
Milk transfer factor for Tc	50	-0.14	54	-0.07	35	0.25	35	0.05
Fish transfer factor for Tc	23	0.27	20	0.19	84	0.02	84	0.00
Plant transfer factor for Th	49	0.15	52	0.07	25	0.31	25	0.06
Meat transfer factor for Th	25	-0.26	7	-0.28	31	-0.28	31	-0.06
Milk transfer factor for Th	37	-0.19	39	-0.11	20	0.36	20	0.08
Fish transfer factor for Th	39	0.19	51	0.08	40	-0.21	39	-0.04
Plant transfer factor for U	2	0.74	4	0.55	2	0.90	2	0.39
Meat transfer factor for U	13	-0.31	19	-0.20	67	-0.10	67	-0.02
Milk transfer factor for U	7	0.43	8	0.28	4	0.70	4	0.19
Fish transfer factor for U	62	0.10	60	0.06	49	-0.18	51	-0.03
Well pumping rate	15	0.31	28	0.15	58	0.13	58	0.03
Mass loading for inhalation	54	0.13	47	0.09	74	0.06	73	0.01
Indoor dust filtration factor	63	0.10	61	0.06	12	0.42	12	0.09
Depth of soil mixing layer	87	-0.01	88	-0.01	18	0.38	18	0.08
Depth of roots	1	0.75	3	0.55	1	0.97	1	0.74
Wet weight crop yield of fruit, grain and non-leafy vegetables	40	-0.18	44	-0.10	15	-0.39	16	-0.08
Weathering removal constant of all vegetation	17	-0.30	15	-0.22	19	0.37	19	0.08
Wet foliar interception fraction of leafy vegetables	56	0.13	69	0.05	60	-0.12	60	-0.02

R-SQUARE 0.95 0.95 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	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ac-227 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ac-227 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Am-241 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Np-237 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Np-237 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Np-237 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pa-231 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pa-231 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pa-231 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pb-210 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pb-210 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pb-210 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pu-239 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pu-239 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Pu-239 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-226 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-226 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-226 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Ra-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Tc-99 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-229 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-229 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-229 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-233 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Ac	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Am	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Pb	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Np	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Pu	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Pa	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Ra	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Tc	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for Th	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Meat transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Milk transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Fish transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00
Well pumping rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Indoor dust filtration factor	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	0	0.00	0	0.00	0	0.00	0	0.00
Wet foliar interception fraction of leafy vegetables	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

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

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

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

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

Coefficients for peak 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	51	0.17	62	0.05	67	0.09	67	0.02
Kd of Ac-227 in Unsaturated Zone 1	50	0.18	59	0.05	26	-0.36	26	-0.09
Kd of Ac-227 in Saturated Zone	1	0.92	1	0.92	78	0.06	78	0.01
Kd of Am-241 in Contaminated Zone	8	-0.52	6	-0.24	77	-0.06	77	-0.01
Kd of Am-241 in Unsaturated Zone 1	36	0.28	9	0.23	64	-0.10	64	-0.02
Kd of Am-241 in Saturated Zone	87	-0.02	70	-0.03	38	0.24	38	0.06
Kd of Np-237 in Contaminated Zone	71	0.09	51	0.07	2	-0.74	2	-0.26
Kd of Np-237 in Unsaturated Zone 1	15	-0.48	4	-0.31	1	-0.93	1	-0.62
Kd of Np-237 in Saturated Zone	74	-0.07	77	-0.03	10	-0.53	8	-0.15
Kd of Pa-231 in Contaminated Zone	42	0.25	44	0.09	54	-0.17	53	-0.04
Kd of Pa-231 in Unsaturated Zone 1	63	-0.12	23	-0.18	16	-0.46	16	-0.12
Kd of Pa-231 in Saturated Zone	39	0.27	41	0.10	8	-0.53	10	-0.15
Kd of Pb-210 in Contaminated Zone	57	0.14	55	0.06	14	-0.49	15	-0.13
Kd of Pb-210 in Unsaturated Zone 1	6	0.54	2	0.42	29	-0.32	29	-0.08
Kd of Pb-210 in Saturated Zone	37	0.28	29	0.16	61	0.12	62	0.03
Kd of Pu-239 in Contaminated Zone	88	-0.02	86	-0.01	70	-0.08	71	-0.02
Kd of Pu-239 in Unsaturated Zone 1	27	0.34	31	0.16	83	-0.04	83	-0.01
Kd of Pu-239 in Saturated Zone	64	0.12	61	0.05	23	-0.39	23	-0.10
Kd of Ra-226 in Contaminated Zone	54	-0.15	46	-0.08	18	-0.40	19	-0.10
Kd of Ra-226 in Unsaturated Zone 1	22	0.41	17	0.20	39	-0.22	40	-0.05
Kd of Ra-226 in Saturated Zone	46	-0.23	38	-0.10	88	0.01	88	0.00
Kd of Ra-228 in Contaminated Zone	44	-0.24	21	-0.18	59	-0.15	59	-0.04
Kd of Ra-228 in Unsaturated Zone 1	68	-0.10	74	-0.03	79	0.06	79	0.01
Kd of Ra-228 in Saturated Zone	41	-0.27	34	-0.14	75	-0.08	75	-0.02
Kd of Tc-99 in Saturated Zone	14	-0.48	20	-0.19	13	0.49	14	0.13
Kd of Th-228 in Contaminated Zone	38	0.27	54	0.06	63	-0.11	63	-0.03
Kd of Th-228 in Unsaturated Zone 1	49	-0.20	32	-0.16	20	-0.39	21	-0.10
Kd of Th-228 in Saturated Zone	31	-0.30	15	-0.20	76	-0.07	76	-0.02
Kd of Th-229 in Contaminated Zone	85	0.04	87	0.01	72	-0.08	72	-0.02
Kd of Th-229 in Unsaturated Zone 1	79	-0.05	65	-0.04	6	0.54	6	0.15
Kd of Th-229 in Saturated Zone	43	0.25	53	0.07	65	0.10	65	0.02
Kd of Th-230 in Contaminated Zone	52	-0.17	50	-0.07	33	-0.28	33	-0.07
Kd of Th-230 in Unsaturated Zone 1	45	0.23	35	0.13	86	-0.02	86	-0.01
Kd of Th-230 in Saturated Zone	55	-0.15	58	-0.06	15	-0.49	13	-0.13
Kd of Th-232 in Contaminated Zone	69	0.10	72	0.03	40	0.22	39	0.05
Kd of Th-232 in Unsaturated Zone 1	58	0.14	52	0.07	36	0.26	36	0.06
Kd of Th-232 in Saturated Zone	9	0.52	12	0.21	42	-0.21	42	-0.05
Kd of U-233 in Saturated Zone	11	0.50	16	0.20	80	0.06	80	0.01
Kd of U-234 in Saturated Zone	28	0.34	3	0.36	57	0.16	58	0.04
Kd of U-235 in Saturated Zone	67	-0.10	56	-0.06	17	0.44	17	0.12
Kd of U-238 in Saturated Zone	76	-0.06	76	-0.03	30	0.29	31	0.07
Plant transfer factor for Ac	60	0.13	66	0.04	4	-0.59	4	-0.18
Meat transfer factor for Ac	70	-0.09	75	-0.03	89	0.00	89	0.00
Milk transfer factor for Ac	72	0.08	71	0.03	25	0.37	25	0.10
Fish transfer factor for Ac	84	0.04	81	0.02	48	0.19	48	0.05
Plant transfer factor for Am	86	-0.03	88	-0.01	87	-0.02	87	0.00
Meat transfer factor for Am	20	0.42	8	0.23	50	0.18	50	0.04
Milk transfer factor for Am	23	0.40	30	0.16	82	0.05	82	0.01
Fish transfer factor for Am	62	0.12	60	0.05	27	-0.33	27	-0.08
Plant transfer factor for Pb	24	-0.39	18	-0.20	35	0.26	35	0.06
Meat transfer factor for Pb	75	-0.06	80	-0.02	24	-0.38	24	-0.10
Milk transfer factor for Pb	48	-0.22	45	-0.08	74	-0.08	74	-0.02
Fish transfer factor for Pb	25	-0.37	37	-0.13	3	-0.59	3	-0.18
Plant transfer factor for Np	17	0.45	26	0.17	47	-0.20	47	-0.05
Meat transfer factor for Np	82	-0.05	84	-0.01	44	-0.21	45	-0.05
Milk transfer factor for Np	3	0.57	11	0.22	84	-0.04	84	-0.01
Fish transfer factor for Np	73	0.07	64	0.05	68	0.09	68	0.02
Plant transfer factor for Pu	29	0.31	40	0.10	46	-0.20	46	-0.05
Meat transfer factor for Pu	78	-0.06	83	-0.02	58	-0.16	57	-0.04
Milk transfer factor for Pu	47	0.22	48	0.08	21	-0.39	22	-0.10
Fish transfer factor for Pu	61	-0.13	73	-0.03	85	0.03	85	0.01
Plant transfer factor for Pa	66	-0.12	63	-0.05	52	0.17	51	0.04
Meat transfer factor for Pa	34	-0.29	49	-0.08	53	-0.17	54	-0.04
Milk transfer factor for Pa	35	-0.29	43	-0.09	81	-0.06	81	-0.01
Fish transfer factor for Pa	18	-0.45	5	-0.27	49	-0.18	49	-0.04
Plant transfer factor for Ra	2	-0.58	7	-0.24	41	-0.22	41	-0.05
Meat transfer factor for Ra	83	0.04	79	0.02	37	0.25	37	0.06
Milk transfer factor for Ra	4	-0.55	10	-0.22	69	0.08	69	0.02
Fish transfer factor for Ra	26	0.35	14	0.21	51	0.17	52	0.04
Plant transfer factor for Tc	53	-0.17	57	-0.06	31	0.29	30	0.07
Meat transfer factor for Tc	19	0.44	22	0.18	9	0.53	9	0.15
Milk transfer factor for Tc	13	-0.48	24	-0.17	7	-0.53	7	-0.15
Fish transfer factor for Tc	5	-0.55	19	-0.19	11	-0.52	11	-0.14
Plant transfer factor for Th	16	-0.48	25	-0.17	55	-0.17	55	-0.04
Meat transfer factor for Th	77	0.06	78	0.02	56	-0.16	56	-0.04
Milk transfer factor for Th	21	0.41	36	0.13	12	0.51	12	0.14
Fish transfer factor for Th	33	-0.29	39	-0.10	60	0.13	60	0.03
Plant transfer factor for U	81	0.05	85	0.01	71	0.08	73	0.02
Meat transfer factor for U	10	0.51	27	0.17	66	-0.10	66	-0.02
Milk transfer factor for U	89	0.02	89	0.01	32	0.28	32	0.07
Fish transfer factor for U	40	-0.27	47	-0.08	19	-0.40	18	-0.10
Well pumping rate	30	0.31	42	0.10	73	-0.08	70	-0.02
Mass loading for inhalation	7	-0.54	28	-0.17	62	-0.12	61	-0.03
Indoor dust filtration factor	80	0.05	82	0.02	28	0.33	28	0.08
Depth of soil mixing layer	65	0.12	69	0.04	43	0.21	43	0.05
Depth of roots	56	-0.14	68	-0.04	22	-0.39	20	-0.10
Wet weight crop yield of fruit, grain and non-leafy vegetables	59	-0.14	67	-0.04	45	0.21	44	0.05
Weathering removal constant of all vegetation	12	0.49	13	0.21	34	0.28	34	0.07
Wet foliar interception fraction of leafy vegetables	32	-0.30	33	-0.15	5	-0.59	5	-0.17

R-SQUARE 0.98 0.98 0.95 0.95

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

Coefficients for peak 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	50	-0.20	39	-0.18	5	0.70	5	0.16
Kd of Ac-227 in Unsaturated Zone 1	54	-0.16	48	-0.12	80	-0.05	80	-0.01
Kd of Ac-227 in Saturated Zone	10	-0.56	31	-0.23	88	0.00	88	0.00
Kd of Am-241 in Contaminated Zone	67	0.08	68	0.04	89	0.00	89	0.00
Kd of Am-241 in Unsaturated Zone 1	24	0.42	2	1.09	41	-0.36	41	-0.06
Kd of Am-241 in Saturated Zone	33	-0.35	18	-0.31	55	-0.19	55	-0.03
Kd of Np-237 in Contaminated Zone	4	-0.65	9	-0.57	2	-0.90	2	-0.34
Kd of Np-237 in Unsaturated Zone 1	58	-0.11	67	-0.05	1	-0.96	1	-0.59
Kd of Np-237 in Saturated Zone	8	-0.56	7	-0.64	3	-0.89	3	-0.32
Kd of Pa-231 in Contaminated Zone	72	-0.07	71	-0.04	81	0.05	81	0.01
Kd of Pa-231 in Unsaturated Zone 1	74	0.07	73	0.04	4	-0.77	4	-0.19
Kd of Pa-231 in Saturated Zone	26	0.42	30	0.23	83	0.04	83	0.01
Kd of Pb-210 in Contaminated Zone	19	0.48	5	0.86	51	0.25	51	0.04
Kd of Pb-210 in Unsaturated Zone 1	7	-0.59	11	-0.50	54	-0.19	54	-0.03
Kd of Pb-210 in Saturated Zone	73	0.07	76	0.03	40	-0.37	40	-0.07
Kd of Pu-239 in Contaminated Zone	20	-0.47	23	-0.27	30	-0.47	30	-0.09
Kd of Pu-239 in Unsaturated Zone 1	81	0.04	72	0.04	24	-0.50	26	-0.09
Kd of Pu-239 in Saturated Zone	69	0.08	53	0.11	38	0.41	38	0.07
Kd of Ra-226 in Contaminated Zone	21	0.46	26	0.25	79	-0.07	79	-0.01
Kd of Ra-226 in Unsaturated Zone 1	2	0.67	8	0.57	52	-0.22	52	-0.04
Kd of Ra-226 in Saturated Zone	12	0.53	1	1.10	21	0.54	21	0.10
Kd of Ra-228 in Contaminated Zone	25	-0.42	3	-1.06	84	-0.03	84	-0.01
Kd of Ra-228 in Unsaturated Zone 1	18	0.48	20	0.29	87	0.01	87	0.00
Kd of Ra-228 in Saturated Zone	15	0.51	13	0.44	15	-0.57	15	-0.11
Kd of Tc-99 in Saturated Zone	76	0.06	62	0.06	19	0.55	19	0.11
Kd of Th-228 in Contaminated Zone	34	0.35	36	0.19	77	0.09	77	0.02
Kd of Th-228 in Unsaturated Zone 1	23	-0.43	22	-0.28	86	0.02	86	0.00
Kd of Th-228 in Saturated Zone	61	0.10	65	0.05	12	0.59	13	0.12
Kd of Th-229 in Contaminated Zone	35	0.34	33	0.22	33	-0.45	33	-0.08
Kd of Th-229 in Unsaturated Zone 1	83	0.03	84	0.01	35	-0.42	36	-0.08
Kd of Th-229 in Saturated Zone	32	-0.36	6	-0.69	43	0.35	43	0.06
Kd of Th-230 in Contaminated Zone	37	0.30	19	0.29	70	0.10	71	0.02
Kd of Th-230 in Unsaturated Zone 1	27	-0.41	14	-0.43	29	0.47	29	0.09
Kd of Th-230 in Saturated Zone	16	-0.49	4	-0.92	65	-0.11	66	-0.02
Kd of Th-232 in Contaminated Zone	59	0.11	61	0.06	78	-0.09	78	-0.01
Kd of Th-232 in Unsaturated Zone 1	71	-0.07	80	-0.03	50	-0.25	50	-0.04
Kd of Th-232 in Saturated Zone	49	-0.20	43	-0.14	53	-0.20	53	-0.03
Kd of U-233 in Saturated Zone	45	0.23	40	0.15	32	-0.46	31	-0.09
Kd of U-234 in Saturated Zone	43	-0.24	38	-0.18	34	-0.43	34	-0.08
Kd of U-235 in Saturated Zone	51	-0.20	51	-0.11	7	-0.64	8	-0.13
Kd of U-238 in Saturated Zone	87	-0.01	82	-0.02	14	-0.57	14	-0.11
Plant transfer factor for Ac	41	0.25	47	0.13	61	0.16	61	0.03
Meat transfer factor for Ac	28	-0.40	25	-0.25	75	-0.10	75	-0.02
Milk transfer factor for Ac	60	-0.10	64	-0.05	76	-0.09	76	-0.02
Fish transfer factor for Ac	53	-0.19	49	-0.12	31	-0.46	32	-0.08
Plant transfer factor for Am	79	0.05	78	0.03	9	0.62	9	0.13
Meat transfer factor for Am	46	0.23	44	0.14	8	-0.64	7	-0.14
Milk transfer factor for Am	22	-0.45	28	-0.24	45	0.35	44	0.06
Fish transfer factor for Am	31	0.37	32	0.23	18	0.55	17	0.11
Plant transfer factor for Pb	65	0.09	59	0.06	49	0.27	49	0.05
Meat transfer factor for Pb	3	0.65	15	0.39	6	-0.64	6	-0.14
Milk transfer factor for Pb	17	-0.48	24	-0.27	56	-0.18	56	-0.03
Fish transfer factor for Pb	64	-0.09	69	-0.04	16	-0.56	16	-0.11
Plant transfer factor for Np	11	0.55	10	0.53	20	0.54	20	0.11
Meat transfer factor for Np	29	-0.39	34	-0.21	60	0.17	60	0.03
Milk transfer factor for Np	88	-0.01	88	-0.01	68	-0.11	68	-0.02
Fish transfer factor for Np	63	-0.10	57	-0.07	39	0.38	39	0.07
Plant transfer factor for Pu	42	0.25	41	0.15	28	-0.47	28	-0.09
Meat transfer factor for Pu	40	-0.26	50	-0.12	36	-0.42	37	-0.08
Milk transfer factor for Pu	48	0.21	55	0.09	67	-0.11	67	-0.02
Fish transfer factor for Pu	52	-0.20	52	-0.11	23	0.52	23	0.10
Plant transfer factor for Pa	39	-0.27	35	-0.20	26	-0.50	24	-0.09
Meat transfer factor for Pa	55	0.15	58	0.07	11	0.60	11	0.12
Milk transfer factor for Pa	38	-0.29	46	-0.13	22	-0.52	22	-0.10
Fish transfer factor for Pa	75	0.06	75	0.03	73	-0.10	73	-0.02
Plant transfer factor for Ra	13	-0.53	29	-0.24	82	-0.05	82	-0.01
Meat transfer factor for Ra	78	0.06	77	0.03	17	0.55	18	0.11
Milk transfer factor for Ra	56	-0.13	63	-0.06	10	-0.61	10	-0.12
Fish transfer factor for Ra	5	0.64	17	0.36	66	0.11	65	0.02
Plant transfer factor for Tc	89	-0.01	89	0.00	27	-0.48	27	-0.09
Meat transfer factor for Tc	85	-0.02	87	-0.01	13	0.59	12	0.12
Milk transfer factor for Tc	70	0.07	79	0.03	25	-0.50	25	-0.09
Fish transfer factor for Tc	57	0.12	56	0.08	44	0.35	45	0.06
Plant transfer factor for Th	86	-0.02	85	-0.01	62	0.15	62	0.02
Meat transfer factor for Th	68	-0.08	70	-0.04	58	-0.17	58	-0.03
Milk transfer factor for Th	47	0.22	45	0.13	69	0.11	69	0.02
Fish transfer factor for Th	1	-0.69	12	-0.48	46	-0.31	46	-0.05
Plant transfer factor for U	6	-0.59	16	-0.37	72	-0.10	72	-0.02
Meat transfer factor for U	44	0.24	54	0.10	42	-0.35	42	-0.06
Milk transfer factor for U	9	-0.56	27	-0.25	37	0.42	35	0.08
Fish transfer factor for U	62	0.10	60	0.06	47	0.29	47	0.05
Well pumping rate	36	0.32	37	0.18	71	0.10	70	0.02
Mass loading for inhalation	30	-0.39	42	-0.14	85	0.02	85	0.00
Indoor dust filtration factor	80	0.05	81	0.03	48	0.29	48	0.05
Depth of soil mixing layer	82	-0.03	83	-0.01	63	0.14	63	0.02
Depth of roots	66	0.09	66	0.05	74	0.10	74	0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	84	-0.02	86	-0.01	57	0.17	57	0.03
Weathering removal constant of all vegetation	77	-0.06	74	-0.03	64	-0.12	64	-0.02
Wet foliar interception fraction of leafy vegetables	14	-0.53	21	-0.29	59	0.17	59	0.03

R-SQUARE 0.94 0.94 0.98 0.98

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

Coefficients for peak 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	26	-0.23	40	-0.08	55	-0.24	55	-0.05
Kd of Ac-227 in Unsaturated Zone 1	74	0.07	73	0.03	21	-0.48	21	-0.10
Kd of Ac-227 in Saturated Zone	21	-0.26	20	-0.14	5	-0.73	5	-0.20
Kd of Am-241 in Contaminated Zone	22	-0.25	25	-0.12	35	0.34	37	0.07
Kd of Am-241 in Unsaturated Zone 1	34	0.19	1	5.68	42	0.32	41	0.06
Kd of Am-241 in Saturated Zone	47	0.14	60	0.05	63	-0.21	63	-0.04
Kd of Np-237 in Contaminated Zone	68	-0.07	79	-0.02	2	-0.86	3	-0.33
Kd of Np-237 in Unsaturated Zone 1	54	-0.12	46	-0.07	1	-0.93	1	-0.50
Kd of Np-237 in Saturated Zone	36	0.17	34	0.09	3	-0.86	2	-0.33
Kd of Pa-231 in Contaminated Zone	81	0.04	85	0.02	40	-0.33	40	-0.07
Kd of Pa-231 in Unsaturated Zone 1	11	-0.36	10	-0.26	6	-0.72	6	-0.20
Kd of Pa-231 in Saturated Zone	50	-0.13	38	-0.08	49	0.28	49	0.05
Kd of Pb-210 in Contaminated Zone	24	-0.25	30	-0.10	22	-0.46	22	-0.10
Kd of Pb-210 in Unsaturated Zone 1	83	0.04	71	0.03	61	0.22	61	0.04
Kd of Pb-210 in Saturated Zone	64	-0.08	66	-0.04	37	-0.33	39	-0.07
Kd of Pu-239 in Contaminated Zone	53	-0.13	44	-0.07	67	0.17	67	0.03
Kd of Pu-239 in Unsaturated Zone 1	70	-0.07	77	-0.03	88	0.01	88	0.00
Kd of Pu-239 in Saturated Zone	84	-0.03	86	-0.02	25	-0.43	26	-0.09
Kd of Ra-226 in Contaminated Zone	46	-0.14	54	-0.06	36	-0.34	38	-0.07
Kd of Ra-226 in Unsaturated Zone 1	3	0.48	11	0.26	45	-0.29	45	-0.06
Kd of Ra-226 in Saturated Zone	29	-0.21	29	-0.11	32	0.39	32	0.08
Kd of Ra-228 in Contaminated Zone	79	0.05	78	0.03	84	0.05	84	0.01
Kd of Ra-228 in Unsaturated Zone 1	4	0.42	5	0.37	82	0.05	82	0.01
Kd of Ra-228 in Saturated Zone	42	-0.16	47	-0.07	7	0.70	7	0.19
Kd of Tc-99 in Saturated Zone	76	-0.06	80	-0.02	30	0.40	30	0.08
Kd of Th-228 in Contaminated Zone	7	-0.39	16	-0.18	56	-0.24	56	-0.05
Kd of Th-228 in Unsaturated Zone 1	73	0.07	53	0.06	78	-0.07	78	-0.01
Kd of Th-228 in Saturated Zone	37	-0.17	41	-0.08	62	0.21	62	0.04
Kd of Th-229 in Contaminated Zone	52	-0.13	58	-0.05	87	-0.01	87	0.00
Kd of Th-229 in Unsaturated Zone 1	41	0.16	49	0.07	26	0.42	25	0.09
Kd of Th-229 in Saturated Zone	72	0.07	67	0.04	80	0.06	80	0.01
Kd of Th-230 in Contaminated Zone	78	-0.06	76	-0.03	12	-0.54	13	-0.12
Kd of Th-230 in Unsaturated Zone 1	32	-0.19	45	-0.07	18	-0.50	18	-0.11
Kd of Th-230 in Saturated Zone	28	0.21	15	0.19	14	-0.53	16	-0.12
Kd of Th-232 in Contaminated Zone	31	-0.19	24	-0.12	33	0.38	33	0.08
Kd of Th-232 in Unsaturated Zone 1	35	-0.18	2	-5.35	77	0.07	77	0.01
Kd of Th-232 in Saturated Zone	38	0.17	55	0.06	11	-0.59	11	-0.14
Kd of U-233 in Saturated Zone	71	0.07	72	0.03	64	-0.18	64	-0.03
Kd of U-234 in Saturated Zone	51	-0.13	39	-0.08	10	0.65	10	0.16
Kd of U-235 in Saturated Zone	16	0.30	9	0.26	9	0.65	8	0.16
Kd of U-238 in Saturated Zone	15	-0.32	6	-0.30	38	-0.33	36	-0.07
Plant transfer factor for Ac	65	-0.07	57	-0.05	28	-0.41	28	-0.08
Meat transfer factor for Ac	61	0.08	65	0.04	34	-0.36	34	-0.07
Milk transfer factor for Ac	59	0.09	69	0.04	73	-0.10	73	-0.02
Fish transfer factor for Ac	87	-0.03	81	-0.02	24	0.44	24	0.09
Plant transfer factor for Am	2	-0.51	12	-0.25	86	0.01	86	0.00
Meat transfer factor for Am	67	-0.07	63	-0.04	51	0.26	51	0.05
Milk transfer factor for Am	43	0.16	31	0.10	59	0.23	59	0.05
Fish transfer factor for Am	14	-0.34	18	-0.17	20	-0.48	20	-0.10
Plant transfer factor for Pb	63	0.08	50	0.06	17	0.51	17	0.11
Meat transfer factor for Pb	27	0.22	27	0.11	16	-0.52	14	-0.12
Milk transfer factor for Pb	45	0.14	48	0.07	71	0.13	71	0.03
Fish transfer factor for Pb	1	0.95	3	0.97	44	0.31	44	0.06
Plant transfer factor for Np	44	0.15	52	0.06	46	-0.29	47	-0.06
Meat transfer factor for Np	69	-0.07	75	-0.03	39	-0.33	35	-0.07
Milk transfer factor for Np	55	0.12	36	0.09	31	-0.39	31	-0.08
Fish transfer factor for Np	9	-0.36	8	-0.29	29	-0.40	29	-0.08
Plant transfer factor for Pu	20	0.27	23	0.12	48	0.28	48	0.06
Meat transfer factor for Pu	60	0.08	74	0.03	74	0.09	74	0.02
Milk transfer factor for Pu	82	0.04	83	0.02	79	-0.06	79	-0.01
Fish transfer factor for Pu	10	-0.36	22	-0.13	8	0.65	9	0.16
Plant transfer factor for Pa	58	-0.10	64	-0.04	53	0.25	52	0.05
Meat transfer factor for Pa	39	-0.17	26	-0.12	19	0.49	19	0.11
Milk transfer factor for Pa	6	-0.39	7	-0.29	72	-0.13	72	-0.02
Fish transfer factor for Pa	25	-0.23	33	-0.10	58	-0.23	58	-0.05
Plant transfer factor for Ra	62	0.08	56	0.05	4	0.77	4	0.23
Meat transfer factor for Ra	85	0.03	82	0.02	81	-0.05	81	-0.01
Milk transfer factor for Ra	56	-0.12	59	-0.05	85	-0.04	85	-0.01
Fish transfer factor for Ra	30	-0.21	51	-0.06	13	-0.54	12	-0.12
Plant transfer factor for Tc	57	-0.10	61	-0.05	69	0.16	69	0.03
Meat transfer factor for Tc	12	0.35	13	0.20	47	0.29	46	0.06
Milk transfer factor for Tc	89	-0.02	89	-0.01	50	0.27	50	0.05
Fish transfer factor for Tc	77	0.06	68	0.04	41	0.32	42	0.06
Plant transfer factor for Th	19	-0.28	21	-0.13	70	-0.15	70	-0.03
Meat transfer factor for Th	5	-0.42	4	-0.42	66	-0.17	66	-0.03
Milk transfer factor for Th	18	0.29	19	0.14	89	0.01	89	0.00
Fish transfer factor for Th	86	-0.03	88	-0.01	83	0.05	83	0.01
Plant transfer factor for U	33	0.19	37	0.08	65	0.17	65	0.03
Meat transfer factor for U	40	-0.17	35	-0.09	75	-0.09	75	-0.02
Milk transfer factor for U	88	-0.03	87	-0.01	54	0.24	54	0.05
Fish transfer factor for U	49	-0.13	43	-0.07	60	-0.23	60	-0.04
Well pumping rate	80	0.04	84	0.02	57	0.24	57	0.05
Mass loading for inhalation	48	-0.14	42	-0.08	23	-0.45	23	-0.10
Indoor dust filtration factor	75	-0.07	70	-0.03	68	0.16	68	0.03
Depth of soil mixing layer	8	0.38	14	0.19	27	0.42	27	0.09
Depth of roots	23	-0.25	28	-0.11	52	-0.25	53	-0.05
Wet weight crop yield of fruit, grain and non-leafy vegetables	13	0.35	17	0.17	15	0.52	15	0.12
Weathering removal constant of all vegetation	66	-0.07	62	-0.04	43	0.31	43	0.06
Wet foliar interception fraction of leafy vegetables	17	0.30	32	0.10	76	-0.08	76	-0.01

R-SQUARE 0.96 0.96 0.97 0.97

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

Coefficients for peak 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	61	0.19	67	0.04	63	0.15	63	0.03
Kd of Ac-227 in Unsaturated Zone 1	44	0.27	55	0.07	50	-0.21	51	-0.05
Kd of Ac-227 in Saturated Zone	2	0.72	4	0.32	82	-0.05	82	-0.01
Kd of Am-241 in Contaminated Zone	18	-0.42	21	-0.14	89	0.03	89	0.01
Kd of Am-241 in Unsaturated Zone 1	19	0.42	5	0.28	64	-0.15	64	-0.03
Kd of Am-241 in Saturated Zone	72	0.12	24	0.13	30	0.36	30	0.08
Kd of Np-237 in Contaminated Zone	46	-0.26	15	-0.17	2	-0.76	2	-0.25
Kd of Np-237 in Unsaturated Zone 1	21	-0.40	12	-0.19	1	-0.94	1	-0.59
Kd of Np-237 in Saturated Zone	32	-0.32	39	-0.09	5	-0.61	5	-0.17
Kd of Pa-231 in Contaminated Zone	31	0.33	37	0.10	56	-0.17	56	-0.04
Kd of Pa-231 in Unsaturated Zone 1	47	-0.25	6	-0.28	26	-0.40	26	-0.09
Kd of Pa-231 in Saturated Zone	4	0.70	9	0.26	6	-0.60	6	-0.16
Kd of Pb-210 in Contaminated Zone	63	0.17	61	0.06	7	-0.59	7	-0.16
Kd of Pb-210 in Unsaturated Zone 1	14	0.46	8	0.26	24	-0.41	24	-0.10
Kd of Pb-210 in Saturated Zone	81	-0.06	75	-0.03	71	-0.11	71	-0.02
Kd of Pu-239 in Contaminated Zone	60	-0.19	44	-0.08	85	-0.05	85	-0.01
Kd of Pu-239 in Unsaturated Zone 1	1	0.89	1	0.66	77	-0.08	76	-0.02
Kd of Pu-239 in Saturated Zone	67	0.14	65	0.04	31	-0.35	31	-0.08
Kd of Ra-226 in Contaminated Zone	79	0.07	74	0.03	35	-0.34	35	-0.08
Kd of Ra-226 in Unsaturated Zone 1	38	0.30	31	0.11	43	-0.27	44	-0.06
Kd of Ra-226 in Saturated Zone	55	-0.22	47	-0.07	81	0.07	81	0.02
Kd of Ra-228 in Contaminated Zone	48	0.25	20	0.15	60	-0.17	60	-0.04
Kd of Ra-228 in Unsaturated Zone 1	42	0.29	54	0.07	66	0.13	66	0.03
Kd of Ra-228 in Saturated Zone	12	-0.49	11	-0.21	49	-0.23	49	-0.05
Kd of Tc-99 in Saturated Zone	3	-0.71	7	-0.27	11	0.50	11	0.13
Kd of Th-228 in Contaminated Zone	66	0.14	76	0.02	54	-0.18	54	-0.04
Kd of Th-228 in Unsaturated Zone 1	13	-0.48	3	-0.32	13	-0.48	13	-0.12
Kd of Th-228 in Saturated Zone	87	-0.01	84	-0.01	67	-0.13	67	-0.03
Kd of Th-229 in Contaminated Zone	52	-0.24	60	-0.06	52	-0.20	52	-0.05
Kd of Th-229 in Unsaturated Zone 1	58	-0.22	23	-0.13	10	0.51	10	0.13
Kd of Th-229 in Saturated Zone	41	0.29	57	0.06	73	0.10	73	0.02
Kd of Th-230 in Contaminated Zone	56	0.22	46	0.08	19	-0.43	22	-0.10
Kd of Th-230 in Unsaturated Zone 1	68	0.13	63	0.06	74	-0.10	74	-0.02
Kd of Th-230 in Saturated Zone	28	-0.35	30	-0.11	22	-0.43	20	-0.11
Kd of Th-232 in Contaminated Zone	54	0.23	56	0.06	78	0.08	78	0.02
Kd of Th-232 in Unsaturated Zone 1	50	0.24	36	0.10	45	0.27	46	0.06
Kd of Th-232 in Saturated Zone	20	0.40	27	0.12	34	-0.34	34	-0.08
Kd of U-233 in Saturated Zone	33	0.32	40	0.09	70	0.11	70	0.02
Kd of U-234 in Saturated Zone	35	0.31	10	0.26	59	0.17	59	0.04
Kd of U-235 in Saturated Zone	75	-0.08	71	-0.03	27	0.39	27	0.09
Kd of U-238 in Saturated Zone	17	0.42	17	0.16	33	0.35	33	0.08
Plant transfer factor for Ac	88	0.00	88	0.00	15	-0.47	15	-0.12
Meat transfer factor for Ac	80	0.07	80	0.02	84	0.05	84	0.01
Milk transfer factor for Ac	71	-0.12	69	-0.04	23	0.43	23	0.10
Fish transfer factor for Ac	73	0.11	72	0.03	61	0.16	62	0.03
Plant transfer factor for Am	49	0.25	59	0.06	38	-0.31	40	-0.07
Meat transfer factor for Am	24	0.38	19	0.16	51	0.21	50	0.05
Milk transfer factor for Am	39	0.30	42	0.09	58	0.17	58	0.04
Fish transfer factor for Am	77	0.07	77	0.02	36	-0.33	36	-0.08
Plant transfer factor for Pb	36	-0.30	28	-0.11	20	0.43	21	0.11
Meat transfer factor for Pb	22	-0.39	41	-0.09	18	-0.45	18	-0.11
Milk transfer factor for Pb	53	-0.24	49	-0.07	87	0.04	87	0.01
Fish transfer factor for Pb	51	-0.24	58	-0.06	3	-0.64	3	-0.19
Plant transfer factor for Np	82	0.06	82	0.01	55	-0.18	55	-0.04
Meat transfer factor for Np	23	0.39	35	0.10	37	-0.32	37	-0.07
Milk transfer factor for Np	11	0.49	22	0.13	83	-0.05	83	-0.01
Fish transfer factor for Np	6	0.62	2	0.38	9	0.56	9	0.14
Plant transfer factor for Pu	69	-0.13	73	-0.03	65	-0.14	65	-0.03
Meat transfer factor for Pu	34	0.32	52	0.07	47	-0.26	47	-0.06
Milk transfer factor for Pu	85	-0.01	86	0.00	48	-0.24	48	-0.05
Fish transfer factor for Pu	29	-0.35	50	-0.07	76	0.08	77	0.02
Plant transfer factor for Pa	62	-0.18	62	-0.06	53	0.19	53	0.04
Meat transfer factor for Pa	57	-0.22	64	-0.04	42	-0.27	43	-0.06
Milk transfer factor for Pa	8	-0.57	16	-0.17	72	-0.11	72	-0.02
Fish transfer factor for Pa	64	-0.17	48	-0.07	46	-0.27	45	-0.06
Plant transfer factor for Ra	16	-0.45	26	-0.13	44	-0.27	42	-0.06
Meat transfer factor for Ra	70	0.12	70	0.04	80	0.08	80	0.02
Milk transfer factor for Ra	26	-0.37	32	-0.10	86	-0.04	86	-0.01
Fish transfer factor for Ra	43	0.29	25	0.13	39	0.31	38	0.07
Plant transfer factor for Tc	27	-0.35	34	-0.10	21	0.43	19	0.11
Meat transfer factor for Tc	65	0.15	66	0.04	14	0.48	14	0.12
Milk transfer factor for Tc	74	-0.09	78	-0.02	4	-0.63	4	-0.18
Fish transfer factor for Tc	40	-0.29	51	-0.07	8	-0.58	8	-0.15
Plant transfer factor for Th	7	-0.60	13	-0.18	68	-0.12	69	-0.03
Meat transfer factor for Th	45	-0.27	45	-0.08	40	-0.30	39	-0.07
Milk transfer factor for Th	37	0.30	53	0.07	17	0.45	17	0.11
Fish transfer factor for Th	30	-0.33	43	-0.09	69	0.11	68	0.03
Plant transfer factor for U	15	0.46	33	0.10	79	0.08	79	0.02
Meat transfer factor for U	5	0.62	14	0.18	75	-0.09	75	-0.02
Milk transfer factor for U	25	-0.37	38	-0.09	29	0.37	29	0.09
Fish transfer factor for U	84	-0.02	85	0.00	32	-0.35	32	-0.08
Well pumping rate	86	-0.01	87	0.00	62	-0.15	61	-0.03
Mass loading for inhalation	59	-0.20	68	-0.04	88	0.03	88	0.01
Indoor dust filtration factor	78	0.07	81	0.02	12	0.49	12	0.12
Depth of soil mixing layer	76	-0.07	79	-0.02	41	0.28	41	0.06
Depth of roots	10	-0.49	29	-0.11	25	-0.40	25	-0.10
Wet weight crop yield of fruit, grain and non-leafy vegetables	83	-0.03	83	-0.01	57	0.17	57	0.04
Weathering removal constant of all vegetation	9	0.50	18	0.16	28	0.38	28	0.09
Wet foliar interception fraction of leafy vegetables	89	0.00	89	0.00	16	-0.46	16	-0.11

R-SQUARE 0.99 0.99 0.96 0.96

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

Coefficients for peak Fish Ingestion Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	71	-0.11	62	-0.07	6	0.73	7	0.13
Kd of Ac-227 in Unsaturated Zone 1	85	0.04	85	0.02	77	0.08	78	0.01
Kd of Ac-227 in Saturated Zone	11	-0.49	32	-0.14	88	0.01	88	0.00
Kd of Am-241 in Contaminated Zone	42	0.31	46	0.11	81	-0.05	81	-0.01
Kd of Am-241 in Unsaturated Zone 1	57	0.20	10	0.34	36	-0.47	37	-0.07
Kd of Am-241 in Saturated Zone	76	-0.10	64	-0.06	59	-0.23	59	-0.03
Kd of Np-237 in Contaminated Zone	10	-0.49	17	-0.27	3	-0.92	3	-0.30
Kd of Np-237 in Unsaturated Zone 1	74	0.11	80	0.03	1	-0.98	1	-0.61
Kd of Np-237 in Saturated Zone	22	-0.40	13	-0.29	2	-0.92	2	-0.30
Kd of Pa-231 in Contaminated Zone	66	-0.13	71	-0.05	79	-0.06	79	-0.01
Kd of Pa-231 in Unsaturated Zone 1	55	-0.21	55	-0.08	8	-0.72	9	-0.13
Kd of Pa-231 in Saturated Zone	1	0.89	2	0.72	50	0.32	50	0.04
Kd of Pb-210 in Contaminated Zone	25	0.39	4	0.47	54	0.28	54	0.04
Kd of Pb-210 in Unsaturated Zone 1	8	-0.52	12	-0.30	47	-0.35	47	-0.05
Kd of Pb-210 in Saturated Zone	29	0.36	34	0.13	27	-0.59	27	-0.09
Kd of Pu-239 in Contaminated Zone	26	-0.38	28	-0.15	34	-0.50	35	-0.07
Kd of Pu-239 in Unsaturated Zone 1	80	0.09	72	0.05	39	-0.45	39	-0.06
Kd of Pu-239 in Saturated Zone	20	0.43	5	0.46	31	0.53	32	0.08
Kd of Ra-226 in Contaminated Zone	4	0.61	16	0.27	84	-0.04	84	-0.01
Kd of Ra-226 in Unsaturated Zone 1	16	0.46	19	0.23	61	-0.21	61	-0.03
Kd of Ra-226 in Saturated Zone	7	0.53	1	0.79	26	0.60	26	0.09
Kd of Ra-228 in Contaminated Zone	53	-0.24	7	-0.40	68	-0.16	68	-0.02
Kd of Ra-228 in Unsaturated Zone 1	21	0.42	26	0.18	69	-0.15	69	-0.02
Kd of Ra-228 in Saturated Zone	17	0.45	15	0.27	12	-0.70	12	-0.13
Kd of Tc-99 in Saturated Zone	83	-0.05	79	-0.04	15	0.67	15	0.11
Kd of Th-228 in Contaminated Zone	47	0.26	52	0.10	63	0.18	63	0.02
Kd of Th-228 in Unsaturated Zone 1	23	-0.39	24	-0.18	74	0.10	74	0.01
Kd of Th-228 in Saturated Zone	81	0.08	82	0.03	21	0.62	22	0.10
Kd of Th-229 in Contaminated Zone	59	0.18	58	0.08	41	-0.41	42	-0.06
Kd of Th-229 in Unsaturated Zone 1	49	-0.26	60	-0.08	51	-0.31	51	-0.04
Kd of Th-229 in Saturated Zone	62	-0.16	21	-0.21	46	0.36	46	0.05
Kd of Th-230 in Contaminated Zone	60	0.18	40	0.12	73	0.10	73	0.01
Kd of Th-230 in Unsaturated Zone 1	13	-0.47	8	-0.36	30	0.54	30	0.08
Kd of Th-230 in Saturated Zone	9	-0.52	3	-0.70	70	-0.14	70	-0.02
Kd of Th-232 in Contaminated Zone	87	-0.03	86	-0.01	83	-0.04	83	-0.01
Kd of Th-232 in Unsaturated Zone 1	45	-0.28	56	-0.08	64	-0.17	64	-0.02
Kd of Th-232 in Saturated Zone	70	-0.11	67	-0.05	52	-0.29	53	-0.04
Kd of U-233 in Saturated Zone	51	0.25	42	0.12	53	-0.29	52	-0.04
Kd of U-234 in Saturated Zone	37	-0.33	27	-0.18	37	-0.46	36	-0.07
Kd of U-235 in Saturated Zone	78	-0.10	77	-0.04	10	-0.71	11	-0.13
Kd of U-238 in Saturated Zone	44	-0.30	11	-0.33	32	-0.53	31	-0.08
Plant transfer factor for Ac	30	0.35	35	0.13	86	-0.02	85	0.00
Meat transfer factor for Ac	46	-0.27	44	-0.12	62	-0.19	62	-0.02
Milk transfer factor for Ac	52	-0.25	53	-0.09	65	-0.16	65	-0.02
Fish transfer factor for Ac	89	0.03	87	0.01	28	-0.58	28	-0.09
Plant transfer factor for Am	40	0.32	41	0.12	5	0.76	5	0.15
Meat transfer factor for Am	68	0.12	73	0.05	7	-0.72	6	-0.13
Milk transfer factor for Am	33	-0.34	38	-0.12	40	0.42	40	0.06
Fish transfer factor for Am	14	0.47	20	0.22	16	0.64	16	0.11
Plant transfer factor for Pb	63	-0.16	59	-0.08	55	0.25	55	0.03
Meat transfer factor for Pb	3	0.66	14	0.29	11	-0.71	10	-0.13
Milk transfer factor for Pb	12	-0.48	22	-0.19	49	-0.34	49	-0.05
Fish transfer factor for Pb	73	-0.11	78	-0.04	13	-0.69	13	-0.12
Plant transfer factor for Np	5	0.61	6	0.44	14	0.67	14	0.12
Meat transfer factor for Np	27	-0.36	33	-0.14	56	0.24	57	0.03
Milk transfer factor for Np	88	0.03	89	0.01	78	-0.08	77	-0.01
Fish transfer factor for Np	84	0.04	84	0.02	4	0.87	4	0.23
Plant transfer factor for Pu	82	0.06	83	0.03	9	-0.71	8	-0.13
Meat transfer factor for Pu	61	-0.18	66	-0.06	19	-0.63	20	-0.10
Milk transfer factor for Pu	18	0.43	29	0.15	45	-0.37	45	-0.05
Fish transfer factor for Pu	54	0.23	54	0.09	29	0.56	29	0.09
Plant transfer factor for Pa	35	-0.33	23	-0.18	22	-0.62	21	-0.10
Meat transfer factor for Pa	75	0.10	81	0.03	24	0.61	24	0.10
Milk transfer factor for Pa	28	-0.36	45	-0.12	20	-0.62	19	-0.10
Fish transfer factor for Pa	67	0.12	75	0.05	66	0.16	67	0.02
Plant transfer factor for Ra	15	-0.46	30	-0.14	75	0.08	75	0.01
Meat transfer factor for Ra	79	-0.09	76	-0.04	23	0.61	23	0.10
Milk transfer factor for Ra	86	0.03	88	0.01	17	-0.64	17	-0.11
Fish transfer factor for Ra	50	0.25	57	0.08	82	-0.05	82	-0.01
Plant transfer factor for Tc	77	-0.10	68	-0.05	18	-0.63	18	-0.10
Meat transfer factor for Tc	34	-0.33	43	-0.12	38	0.45	38	0.06
Milk transfer factor for Tc	36	0.33	51	0.10	33	-0.51	33	-0.08
Fish transfer factor for Tc	56	0.20	50	0.10	58	0.23	58	0.03
Plant transfer factor for Th	24	-0.39	25	-0.18	89	-0.01	89	0.00
Meat transfer factor for Th	31	-0.35	36	-0.13	43	-0.38	43	-0.05
Milk transfer factor for Th	39	0.32	31	0.14	67	0.16	66	0.02
Fish transfer factor for Th	2	-0.69	9	-0.34	57	-0.23	56	-0.03
Plant transfer factor for U	6	-0.59	18	-0.26	85	0.02	86	0.00
Meat transfer factor for U	32	0.34	49	0.11	48	-0.34	48	-0.05
Milk transfer factor for U	19	-0.43	37	-0.13	25	0.60	25	0.10
Fish transfer factor for U	69	0.12	69	0.05	35	0.50	34	0.07
Well pumping rate	43	0.31	39	0.12	87	-0.01	87	0.00
Mass loading for inhalation	48	-0.26	63	-0.07	44	0.37	44	0.05
Indoor dust filtration factor	65	0.16	65	0.06	42	0.41	41	0.06
Depth of soil mixing layer	38	-0.32	47	-0.11	71	-0.13	71	-0.02
Depth of roots	72	0.11	74	0.05	60	0.23	60	0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	64	-0.16	70	-0.05	76	0.08	76	0.01
Weathering removal constant of all vegetation	58	0.19	61	0.07	72	-0.12	72	-0.02
Wet foliar interception fraction of leafy vegetables	41	-0.31	48	-0.11	80	0.06	80	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 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	69	-0.07	79	-0.02	73	-0.12	74	-0.02
Kd of Ac-227 in Unsaturated Zone 1	85	0.02	86	0.01	15	-0.55	15	-0.12
Kd of Ac-227 in Saturated Zone	53	-0.11	49	-0.06	4	-0.73	4	-0.20
Kd of Am-241 in Contaminated Zone	26	-0.22	29	-0.10	40	0.31	40	0.06
Kd of Am-241 in Unsaturated Zone 1	14	0.33	1	10.20	41	0.30	41	0.06
Kd of Am-241 in Saturated Zone	45	0.15	54	0.05	53	-0.23	52	-0.04
Kd of Np-237 in Contaminated Zone	60	-0.10	71	-0.03	2	-0.88	2	-0.34
Kd of Np-237 in Unsaturated Zone 1	87	-0.01	87	0.00	1	-0.94	1	-0.50
Kd of Np-237 in Saturated Zone	23	0.25	22	0.13	3	-0.87	3	-0.34
Kd of Pa-231 in Contaminated Zone	59	0.10	68	0.04	59	-0.20	60	-0.04
Kd of Pa-231 in Unsaturated Zone 1	13	-0.35	8	-0.25	11	-0.62	11	-0.15
Kd of Pa-231 in Saturated Zone	44	-0.16	33	-0.10	26	0.44	26	0.09
Kd of Pb-210 in Contaminated Zone	50	-0.13	57	-0.05	29	-0.42	29	-0.09
Kd of Pb-210 in Unsaturated Zone 1	66	-0.08	44	-0.07	78	0.08	78	0.02
Kd of Pb-210 in Saturated Zone	81	-0.05	75	-0.02	30	-0.40	30	-0.08
Kd of Pu-239 in Contaminated Zone	52	-0.12	47	-0.06	50	0.24	51	0.04
Kd of Pu-239 in Unsaturated Zone 1	48	-0.14	60	-0.05	69	0.13	70	0.02
Kd of Pu-239 in Saturated Zone	31	-0.20	37	-0.09	36	-0.35	36	-0.07
Kd of Ra-226 in Contaminated Zone	20	-0.30	25	-0.13	63	-0.18	64	-0.03
Kd of Ra-226 in Unsaturated Zone 1	16	0.32	17	0.16	42	-0.30	42	-0.06
Kd of Ra-226 in Saturated Zone	19	-0.31	16	-0.16	22	0.46	22	0.09
Kd of Ra-228 in Contaminated Zone	22	0.29	21	0.13	72	0.12	72	0.02
Kd of Ra-228 in Unsaturated Zone 1	10	0.38	6	0.32	79	0.08	79	0.01
Kd of Ra-228 in Saturated Zone	62	-0.09	67	-0.04	9	0.65	9	0.16
Kd of Tc-99 in Saturated Zone	89	0.00	89	0.00	27	0.44	27	0.09
Kd of Th-228 in Contaminated Zone	28	-0.21	40	-0.09	28	-0.43	28	-0.09
Kd of Th-228 in Unsaturated Zone 1	72	-0.06	53	-0.06	24	-0.45	23	-0.09
Kd of Th-228 in Saturated Zone	27	-0.22	34	-0.09	51	0.23	50	0.05
Kd of Th-229 in Contaminated Zone	73	-0.06	74	-0.02	80	0.07	80	0.01
Kd of Th-229 in Unsaturated Zone 1	63	0.09	69	0.04	34	0.37	34	0.07
Kd of Th-229 in Saturated Zone	83	0.04	81	0.02	57	-0.20	57	-0.04
Kd of Th-230 in Contaminated Zone	56	-0.11	56	-0.05	12	-0.61	12	-0.14
Kd of Th-230 in Unsaturated Zone 1	49	-0.13	63	-0.05	14	-0.56	14	-0.13
Kd of Th-230 in Saturated Zone	55	0.11	35	0.09	8	-0.66	8	-0.16
Kd of Th-232 in Contaminated Zone	65	-0.08	62	-0.05	21	0.47	21	0.10
Kd of Th-232 in Unsaturated Zone 1	15	-0.32	2	-9.86	44	0.28	44	0.06
Kd of Th-232 in Saturated Zone	40	0.17	51	0.06	16	-0.52	16	-0.11
Kd of U-233 in Saturated Zone	54	-0.11	58	-0.05	77	-0.08	77	-0.02
Kd of U-234 in Saturated Zone	30	-0.20	27	-0.12	10	0.64	10	0.15
Kd of U-235 in Saturated Zone	2	0.73	3	0.88	5	0.72	5	0.19
Kd of U-238 in Saturated Zone	18	-0.31	7	-0.29	70	-0.13	69	-0.02
Plant transfer factor for Ac	88	0.00	88	0.00	38	-0.33	39	-0.06
Meat transfer factor for Ac	82	-0.04	83	-0.02	35	-0.36	35	-0.07
Milk transfer factor for Ac	64	-0.09	70	-0.03	62	-0.18	62	-0.03
Fish transfer factor for Ac	58	0.10	43	0.07	58	0.20	59	0.04
Plant transfer factor for Am	9	-0.40	12	-0.18	60	0.19	61	0.04
Meat transfer factor for Am	84	0.03	84	0.02	33	0.37	33	0.07
Milk transfer factor for Am	29	0.21	24	0.13	37	0.33	37	0.07
Fish transfer factor for Am	17	-0.32	18	-0.15	23	-0.45	24	-0.09
Plant transfer factor for Pb	71	0.06	59	0.05	13	0.60	13	0.14
Meat transfer factor for Pb	21	0.29	19	0.15	18	-0.51	17	-0.11
Milk transfer factor for Pb	34	0.19	39	0.09	64	0.18	63	0.03
Fish transfer factor for Pb	1	0.86	4	0.51	32	0.38	32	0.08
Plant transfer factor for Np	43	0.16	46	0.06	81	-0.06	81	-0.01
Meat transfer factor for Np	46	-0.15	50	-0.06	82	-0.03	82	-0.01
Milk transfer factor for Np	86	0.02	85	0.01	45	-0.27	45	-0.05
Fish transfer factor for Np	77	-0.06	65	-0.04	31	0.40	31	0.08
Plant transfer factor for Pu	24	0.24	28	0.11	25	0.44	25	0.09
Meat transfer factor for Pu	47	0.14	55	0.05	65	0.17	65	0.03
Milk transfer factor for Pu	41	-0.17	42	-0.07	66	0.17	66	0.03
Fish transfer factor for Pu	6	-0.41	20	-0.14	7	0.66	7	0.16
Plant transfer factor for Pa	75	-0.06	76	-0.02	68	0.14	68	0.03
Meat transfer factor for Pa	32	-0.20	23	-0.13	19	0.48	19	0.10
Milk transfer factor for Pa	36	-0.19	26	-0.12	49	-0.24	49	-0.05
Fish transfer factor for Pa	76	-0.06	78	-0.02	67	-0.15	67	-0.03
Plant transfer factor for Ra	61	0.09	48	0.06	6	0.71	6	0.18
Meat transfer factor for Ra	35	0.19	32	0.10	85	0.01	85	0.00
Milk transfer factor for Ra	79	-0.05	80	-0.02	48	0.25	48	0.05
Fish transfer factor for Ra	67	-0.08	77	-0.02	20	-0.47	20	-0.10
Plant transfer factor for Tc	51	-0.13	52	-0.06	61	0.19	58	0.04
Meat transfer factor for Tc	5	0.43	9	0.25	43	0.29	43	0.06
Milk transfer factor for Tc	25	-0.23	31	-0.10	54	0.22	54	0.04
Fish transfer factor for Tc	70	0.07	66	0.04	56	0.20	56	0.04
Plant transfer factor for Th	8	-0.40	11	-0.19	74	0.12	75	0.02
Meat transfer factor for Th	7	-0.41	5	-0.39	89	0.00	89	0.00
Milk transfer factor for Th	4	0.44	10	0.23	83	0.02	83	0.00
Fish transfer factor for Th	37	0.19	45	0.07	75	-0.11	73	-0.02
Plant transfer factor for U	74	-0.06	73	-0.03	88	0.00	88	0.00
Meat transfer factor for U	38	-0.18	36	-0.09	86	0.01	86	0.00
Milk transfer factor for U	33	-0.20	30	-0.10	87	0.01	87	0.00
Fish transfer factor for U	39	-0.17	38	-0.09	84	0.01	84	0.00
Well pumping rate	80	0.05	82	0.02	71	0.13	71	0.02
Mass loading for inhalation	42	-0.16	41	-0.09	39	-0.33	38	-0.06
Indoor dust filtration factor	78	0.05	72	0.03	52	0.23	53	0.04
Depth of soil mixing layer	57	0.11	61	0.05	47	0.25	47	0.05
Depth of roots	11	-0.37	15	-0.17	55	-0.22	55	-0.04
Wet weight crop yield of fruit, grain and non-leafy vegetables	12	0.35	14	0.17	17	0.52	18	0.11
Weathering removal constant of all vegetation	68	-0.08	64	-0.05	46	0.26	46	0.05
Wet foliar interception fraction of leafy vegetables	3	0.50	13	0.17	76	-0.11	76	-0.02

R-SQUARE 0.96 0.96 0.97 0.97

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

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

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

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

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

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

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

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

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

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	53	-0.28	59	-0.12	76	0.06	76	0.01
Kd of Ac-227 in Unsaturated Zone 1	63	0.19	68	0.08	28	-0.33	28	-0.08
Kd of Ac-227 in Saturated Zone	1	0.77	3	0.69	62	0.13	62	0.03
Kd of Am-241 in Contaminated Zone	60	-0.21	58	-0.12	52	-0.18	54	-0.04
Kd of Am-241 in Unsaturated Zone 1	77	-0.08	65	-0.09	61	-0.13	61	-0.03
Kd of Am-241 in Saturated Zone	34	-0.42	1	-0.96	41	0.22	41	0.05
Kd of Np-237 in Contaminated Zone	33	0.42	8	0.53	2	-0.75	2	-0.27
Kd of Np-237 in Unsaturated Zone 1	83	0.02	82	0.02	1	-0.93	1	-0.60
Kd of Np-237 in Saturated Zone	47	-0.30	48	-0.16	13	-0.51	13	-0.14
Kd of Pa-231 in Contaminated Zone	64	-0.18	66	-0.09	58	-0.14	58	-0.03
Kd of Pa-231 in Unsaturated Zone 1	49	0.29	6	0.61	15	-0.49	15	-0.13
Kd of Pa-231 in Saturated Zone	46	0.31	49	0.16	12	-0.51	12	-0.14
Kd of Pb-210 in Contaminated Zone	67	-0.15	67	-0.09	14	-0.49	14	-0.13
Kd of Pb-210 in Unsaturated Zone 1	7	0.62	2	0.73	31	-0.29	31	-0.07
Kd of Pb-210 in Saturated Zone	12	0.58	7	0.57	89	0.00	89	0.00
Kd of Pu-239 in Contaminated Zone	24	0.47	14	0.43	81	-0.05	81	-0.01
Kd of Pu-239 in Unsaturated Zone 1	44	0.33	41	0.21	69	-0.10	69	-0.02
Kd of Pu-239 in Saturated Zone	61	-0.21	57	-0.13	25	-0.35	25	-0.09
Kd of Ra-226 in Contaminated Zone	50	0.29	36	0.24	23	-0.35	24	-0.09
Kd of Ra-226 in Unsaturated Zone 1	8	0.62	12	0.50	33	-0.28	33	-0.07
Kd of Ra-226 in Saturated Zone	82	-0.03	83	-0.02	75	-0.07	75	-0.02
Kd of Ra-228 in Contaminated Zone	16	-0.55	4	-0.69	46	-0.20	47	-0.05
Kd of Ra-228 in Unsaturated Zone 1	32	-0.43	42	-0.20	79	0.05	79	0.01
Kd of Ra-228 in Saturated Zone	84	0.02	84	0.01	57	-0.15	57	-0.04
Kd of Tc-99 in Saturated Zone	27	-0.47	33	-0.26	11	0.53	11	0.15
Kd of Th-228 in Contaminated Zone	35	0.41	53	0.14	65	-0.12	66	-0.03
Kd of Th-228 in Unsaturated Zone 1	48	0.29	21	0.33	22	-0.36	21	-0.09
Kd of Th-228 in Saturated Zone	15	-0.56	5	-0.62	64	0.12	65	0.03
Kd of Th-229 in Contaminated Zone	85	-0.01	86	0.00	59	-0.14	59	-0.03
Kd of Th-229 in Unsaturated Zone 1	55	0.26	27	0.29	7	0.56	7	0.16
Kd of Th-229 in Saturated Zone	78	-0.08	80	-0.03	74	0.07	74	0.02
Kd of Th-230 in Contaminated Zone	6	-0.63	10	-0.50	38	-0.25	38	-0.06
Kd of Th-230 in Unsaturated Zone 1	76	0.09	69	0.07	80	-0.05	80	-0.01
Kd of Th-230 in Saturated Zone	52	0.28	50	0.15	8	-0.55	8	-0.16
Kd of Th-232 in Contaminated Zone	87	0.01	87	0.00	34	0.27	36	0.07
Kd of Th-232 in Unsaturated Zone 1	80	-0.06	78	-0.04	49	0.19	49	0.05
Kd of Th-232 in Saturated Zone	43	0.34	46	0.18	39	-0.24	39	-0.06
Kd of U-233 in Saturated Zone	17	0.53	25	0.31	71	0.10	71	0.02
Kd of U-234 in Saturated Zone	59	-0.22	23	-0.32	51	0.18	51	0.04
Kd of U-235 in Saturated Zone	81	0.04	79	0.03	16	0.47	16	0.13
Kd of U-238 in Saturated Zone	40	-0.34	38	-0.24	27	0.33	27	0.08
Plant transfer factor for Ac	21	0.48	35	0.25	4	-0.59	4	-0.18
Meat transfer factor for Ac	71	0.13	73	0.06	73	-0.08	73	-0.02
Milk transfer factor for Ac	65	0.17	60	0.11	20	0.40	20	0.10
Fish transfer factor for Ac	86	-0.01	85	0.00	36	0.27	34	0.07
Plant transfer factor for Am	75	0.10	76	0.04	84	-0.03	84	-0.01
Meat transfer factor for Am	56	0.25	43	0.18	50	0.18	50	0.04
Milk transfer factor for Am	11	0.58	16	0.38	88	0.02	88	0.00
Fish transfer factor for Am	20	0.49	19	0.35	43	-0.21	43	-0.05
Plant transfer factor for Pb	14	-0.56	13	-0.45	35	0.27	35	0.07
Meat transfer factor for Pb	57	-0.24	64	-0.10	17	-0.46	17	-0.12
Milk transfer factor for Pb	26	0.47	30	0.28	83	0.05	83	0.01
Fish transfer factor for Pb	13	-0.57	24	-0.32	3	-0.61	3	-0.19
Plant transfer factor for Np	70	0.13	71	0.06	54	-0.18	53	-0.04
Meat transfer factor for Np	41	-0.34	51	-0.15	63	-0.13	63	-0.03
Milk transfer factor for Np	4	0.64	18	0.37	82	-0.05	82	-0.01
Fish transfer factor for Np	45	-0.32	26	-0.30	70	0.10	70	0.02
Plant transfer factor for Pu	37	0.39	44	0.18	56	-0.15	56	-0.04
Meat transfer factor for Pu	51	-0.29	61	-0.11	40	-0.23	40	-0.06
Milk transfer factor for Pu	31	0.44	37	0.24	32	-0.29	32	-0.07
Fish transfer factor for Pu	42	0.34	56	0.13	87	-0.02	87	0.00
Plant transfer factor for Pa	29	-0.44	29	-0.28	66	0.12	64	0.03
Meat transfer factor for Pa	39	-0.35	55	-0.14	55	-0.16	55	-0.04
Milk transfer factor for Pa	68	-0.15	70	-0.07	42	-0.22	42	-0.05
Fish transfer factor for Pa	23	-0.48	15	-0.42	45	-0.20	45	-0.05
Plant transfer factor for Ra	19	-0.50	32	-0.27	44	-0.20	44	-0.05
Meat transfer factor for Ra	54	0.27	47	0.17	37	0.27	37	0.06
Milk transfer factor for Ra	2	-0.73	9	-0.50	86	0.02	86	0.00
Fish transfer factor for Ra	66	-0.17	54	-0.14	68	0.10	68	0.02
Plant transfer factor for Tc	30	-0.44	39	-0.24	24	0.35	23	0.09
Meat transfer factor for Tc	62	0.19	62	0.10	5	0.57	5	0.17
Milk transfer factor for Tc	10	-0.59	22	-0.33	10	-0.53	10	-0.15
Fish transfer factor for Tc	22	-0.48	40	-0.23	9	-0.54	9	-0.15
Plant transfer factor for Th	18	-0.53	28	-0.28	72	-0.10	72	-0.02
Meat transfer factor for Th	28	0.47	31	0.28	48	-0.19	48	-0.05
Milk transfer factor for Th	36	0.41	45	0.18	6	0.57	6	0.16
Fish transfer factor for Th	25	-0.47	34	-0.25	78	0.06	78	0.01
Plant transfer factor for U	73	-0.10	77	-0.04	85	0.02	85	0.01
Meat transfer factor for U	72	-0.13	75	-0.05	60	-0.14	60	-0.03
Milk transfer factor for U	3	0.65	17	0.37	29	0.31	29	0.08
Fish transfer factor for U	5	-0.64	20	-0.33	21	-0.36	22	-0.09
Well pumping rate	69	0.14	72	0.06	47	-0.20	46	-0.05
Mass loading for inhalation	38	-0.38	52	-0.15	77	-0.06	77	-0.01
Indoor dust filtration factor	58	-0.24	63	-0.10	26	0.33	26	0.08
Depth of soil mixing layer	88	0.01	88	0.00	53	0.18	52	0.04
Depth of roots	79	0.08	81	0.03	18	-0.43	18	-0.12
Wet weight crop yield of fruit, grain and non-leafy vegetables	89	0.00	89	0.00	67	0.11	67	0.03
Weathering removal constant of all vegetation	74	-0.10	74	-0.05	30	-0.30	30	-0.07
Wet foliar interception fraction of leafy vegetables	9	-0.60	11	-0.50	19	-0.40	19	-0.11

R-SQUARE 0.96 0.96 0.95 0.95

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	17	-0.59	10	-0.72	7	0.68	8	0.14
Kd of Ac-227 in Unsaturated Zone 1	79	-0.07	75	-0.06	77	0.06	78	0.01
Kd of Ac-227 in Saturated Zone	11	-0.63	32	-0.32	88	-0.01	88	0.00
Kd of Am-241 in Contaminated Zone	8	-0.64	16	-0.45	84	-0.03	84	0.00
Kd of Am-241 in Unsaturated Zone 1	15	0.60	2	1.96	49	-0.30	48	-0.05
Kd of Am-241 in Saturated Zone	14	-0.61	12	-0.71	48	-0.30	49	-0.05
Kd of Np-237 in Contaminated Zone	1	-0.81	7	-1.01	2	-0.90	2	-0.32
Kd of Np-237 in Unsaturated Zone 1	86	-0.05	86	-0.02	1	-0.96	1	-0.57
Kd of Np-237 in Saturated Zone	43	-0.35	23	-0.39	3	-0.89	3	-0.30
Kd of Pa-231 in Contaminated Zone	46	-0.31	48	-0.21	83	-0.04	83	-0.01
Kd of Pa-231 in Unsaturated Zone 1	69	0.14	69	0.09	4	-0.78	4	-0.19
Kd of Pa-231 in Saturated Zone	78	0.07	81	0.04	86	0.03	86	0.00
Kd of Pb-210 in Contaminated Zone	4	0.74	3	1.93	55	0.25	56	0.04
Kd of Pb-210 in Unsaturated Zone 1	80	-0.06	76	-0.05	57	-0.22	57	-0.03
Kd of Pb-210 in Saturated Zone	73	0.11	74	0.06	29	-0.49	30	-0.09
Kd of Pu-239 in Contaminated Zone	32	-0.49	33	-0.32	33	-0.48	33	-0.08
Kd of Pu-239 in Unsaturated Zone 1	35	0.43	19	0.43	26	-0.50	28	-0.09
Kd of Pu-239 in Saturated Zone	83	-0.05	71	-0.08	17	0.60	17	0.12
Kd of Ra-226 in Contaminated Zone	89	0.00	89	0.00	87	-0.02	87	0.00
Kd of Ra-226 in Unsaturated Zone 1	3	0.76	9	0.82	66	-0.12	66	-0.02
Kd of Ra-226 in Saturated Zone	7	0.67	4	1.78	19	0.58	20	0.11
Kd of Ra-228 in Contaminated Zone	21	-0.55	5	-1.68	68	-0.11	68	-0.02
Kd of Ra-228 in Unsaturated Zone 1	58	0.24	59	0.15	76	-0.06	76	-0.01
Kd of Ra-228 in Saturated Zone	88	0.02	88	0.01	14	-0.61	14	-0.12
Kd of Tc-99 in Saturated Zone	33	0.48	13	0.56	15	0.61	16	0.12
Kd of Th-228 in Contaminated Zone	63	-0.19	64	-0.11	72	0.09	71	0.01
Kd of Th-228 in Unsaturated Zone 1	47	-0.31	46	-0.22	62	0.18	62	0.03
Kd of Th-228 in Saturated Zone	24	0.54	28	0.36	8	0.67	9	0.14
Kd of Th-229 in Contaminated Zone	56	-0.25	55	-0.18	31	-0.49	31	-0.09
Kd of Th-229 in Unsaturated Zone 1	59	0.24	63	0.11	36	-0.43	36	-0.07
Kd of Th-229 in Saturated Zone	5	-0.73	1	-2.17	52	0.27	53	0.04
Kd of Th-230 in Contaminated Zone	64	0.19	51	0.20	71	0.09	72	0.01
Kd of Th-230 in Unsaturated Zone 1	9	-0.64	8	-0.87	27	0.50	26	0.09
Kd of Th-230 in Saturated Zone	20	-0.58	6	-1.29	60	-0.18	60	-0.03
Kd of Th-232 in Contaminated Zone	52	0.29	52	0.19	69	-0.11	70	-0.02
Kd of Th-232 in Unsaturated Zone 1	49	-0.30	62	-0.14	46	-0.33	46	-0.05
Kd of Th-232 in Saturated Zone	31	-0.49	20	-0.42	58	-0.21	58	-0.03
Kd of U-233 in Saturated Zone	55	0.26	50	0.20	43	-0.38	42	-0.06
Kd of U-234 in Saturated Zone	51	-0.29	44	-0.24	35	-0.46	35	-0.08
Kd of U-235 in Saturated Zone	71	-0.12	72	-0.08	10	-0.67	10	-0.14
Kd of U-238 in Saturated Zone	66	-0.18	36	-0.31	16	-0.61	15	-0.12
Plant transfer factor for Ac	27	-0.51	31	-0.32	70	0.11	69	0.02
Meat transfer factor for Ac	39	-0.38	39	-0.27	73	-0.09	73	-0.01
Milk transfer factor for Ac	77	-0.08	78	-0.05	85	-0.03	85	0.00
Fish transfer factor for Ac	29	-0.50	24	-0.39	40	-0.40	41	-0.07
Plant transfer factor for Am	54	-0.28	56	-0.17	11	0.65	11	0.13
Meat transfer factor for Am	48	-0.31	47	-0.21	9	-0.67	7	-0.14
Milk transfer factor for Am	16	-0.60	22	-0.39	56	0.25	55	0.04
Fish transfer factor for Am	10	0.63	14	0.53	30	0.49	29	0.09
Plant transfer factor for Pb	34	0.43	26	0.37	53	0.27	52	0.04
Meat transfer factor for Pb	12	0.62	21	0.40	6	-0.68	6	-0.15
Milk transfer factor for Pb	53	-0.28	57	-0.16	54	-0.26	54	-0.04
Fish transfer factor for Pb	76	-0.09	80	-0.04	32	-0.48	32	-0.09
Plant transfer factor for Np	87	0.02	87	0.02	28	0.49	27	0.09
Meat transfer factor for Np	68	0.15	70	0.08	59	0.21	59	0.03
Milk transfer factor for Np	38	-0.38	45	-0.24	51	-0.28	51	-0.05
Fish transfer factor for Np	37	0.39	30	0.33	38	0.41	38	0.07
Plant transfer factor for Pu	28	0.51	25	0.38	34	-0.47	34	-0.08
Meat transfer factor for Pu	44	-0.35	54	-0.18	42	-0.38	43	-0.06
Milk transfer factor for Pu	74	-0.10	77	-0.05	79	-0.05	79	-0.01
Fish transfer factor for Pu	26	-0.51	27	-0.36	24	0.50	24	0.09
Plant transfer factor for Pa	50	0.29	43	0.25	20	-0.58	18	-0.11
Meat transfer factor for Pa	42	-0.35	53	-0.18	13	0.62	13	0.12
Milk transfer factor for Pa	82	0.06	84	0.03	41	-0.40	40	-0.07
Fish transfer factor for Pa	60	0.23	61	0.14	80	-0.05	81	-0.01
Plant transfer factor for Ra	25	-0.52	42	-0.26	89	0.00	89	0.00
Meat transfer factor for Ra	61	-0.22	58	-0.15	22	0.54	22	0.10
Milk transfer factor for Ra	75	0.09	79	0.05	18	-0.58	19	-0.11
Fish transfer factor for Ra	6	0.69	15	0.46	63	0.15	63	0.02
Plant transfer factor for Tc	45	-0.34	37	-0.30	23	-0.53	23	-0.10
Meat transfer factor for Tc	30	0.50	35	0.31	21	0.56	21	0.11
Milk transfer factor for Tc	19	-0.58	34	-0.32	25	-0.50	25	-0.09
Fish transfer factor for Tc	36	0.40	29	0.34	45	0.34	45	0.06
Plant transfer factor for Th	40	0.37	40	0.26	74	0.06	74	0.01
Meat transfer factor for Th	84	0.05	83	0.03	61	-0.18	61	-0.03
Milk transfer factor for Th	62	-0.21	60	-0.14	82	0.04	82	0.01
Fish transfer factor for Th	13	-0.61	18	-0.43	39	-0.41	39	-0.07
Plant transfer factor for U	65	-0.18	65	-0.10	64	-0.14	64	-0.02
Meat transfer factor for U	22	-0.54	38	-0.29	44	-0.37	44	-0.06
Milk transfer factor for U	23	-0.54	41	-0.26	37	0.41	37	0.07
Fish transfer factor for U	70	-0.13	67	-0.09	47	0.31	47	0.05
Well pumping rate	18	0.59	17	0.44	65	0.12	65	0.02
Mass loading for inhalation	57	-0.25	66	-0.10	81	0.05	80	0.01
Indoor dust filtration factor	81	0.06	82	0.03	50	0.29	50	0.05
Depth of soil mixing layer	85	-0.05	85	-0.02	78	0.06	77	0.01
Depth of roots	72	-0.11	73	-0.07	75	0.06	75	0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	67	0.17	68	0.09	67	-0.11	67	-0.02
Weathering removal constant of all vegetation	2	-0.76	11	-0.71	5	-0.73	5	-0.17
Wet foliar interception fraction of leafy vegetables	41	-0.36	49	-0.20	12	0.64	12	0.13

R-SQUARE 0.93 0.93 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 (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	80	-0.03	83	-0.02	82	-0.05	82	-0.01
Kd of Ac-227 in Unsaturated Zone 1	86	-0.01	88	0.00	11	-0.58	11	-0.13
Kd of Ac-227 in Saturated Zone	58	0.16	55	0.16	5	-0.75	5	-0.21
Kd of Am-241 in Contaminated Zone	16	-0.41	22	-0.36	64	0.20	65	0.04
Kd of Am-241 in Unsaturated Zone 1	5	0.55	1	34.44	32	0.36	32	0.07
Kd of Am-241 in Saturated Zone	36	0.29	49	0.19	63	-0.20	64	-0.04
Kd of Np-237 in Contaminated Zone	73	-0.07	75	-0.04	3	-0.86	3	-0.31
Kd of Np-237 in Unsaturated Zone 1	53	-0.20	48	-0.20	1	-0.94	1	-0.49
Kd of Np-237 in Saturated Zone	40	0.26	39	0.25	2	-0.87	2	-0.34
Kd of Pa-231 in Contaminated Zone	85	-0.01	85	-0.01	37	-0.35	37	-0.07
Kd of Pa-231 in Unsaturated Zone 1	49	-0.22	34	-0.27	7	-0.70	7	-0.18
Kd of Pa-231 in Saturated Zone	15	-0.41	7	-0.49	28	0.40	27	0.08
Kd of Pb-210 in Contaminated Zone	64	-0.13	67	-0.09	51	-0.31	52	-0.06
Kd of Pb-210 in Unsaturated Zone 1	67	-0.12	52	-0.18	59	0.23	59	0.04
Kd of Pb-210 in Saturated Zone	75	-0.06	73	-0.05	49	-0.32	48	-0.06
Kd of Pu-239 in Contaminated Zone	88	-0.01	87	-0.01	68	0.16	68	0.03
Kd of Pu-239 in Unsaturated Zone 1	33	-0.30	47	-0.21	87	0.03	87	0.01
Kd of Pu-239 in Saturated Zone	24	-0.34	29	-0.30	40	-0.35	40	-0.07
Kd of Ra-226 in Contaminated Zone	19	-0.37	28	-0.30	27	-0.41	28	-0.08
Kd of Ra-226 in Unsaturated Zone 1	12	0.45	16	0.42	41	-0.33	41	-0.07
Kd of Ra-226 in Saturated Zone	13	-0.42	17	-0.41	52	0.30	51	0.06
Kd of Ra-228 in Contaminated Zone	77	0.05	77	0.04	67	0.18	67	0.03
Kd of Ra-228 in Unsaturated Zone 1	17	0.40	5	0.61	79	0.06	79	0.01
Kd of Ra-228 in Saturated Zone	23	-0.35	31	-0.28	9	0.65	9	0.16
Kd of Tc-99 in Saturated Zone	59	-0.16	66	-0.11	26	0.42	26	0.09
Kd of Th-228 in Contaminated Zone	30	-0.31	43	-0.24	42	-0.33	42	-0.07
Kd of Th-228 in Unsaturated Zone 1	83	0.02	79	0.03	77	-0.09	77	-0.02
Kd of Th-228 in Saturated Zone	27	-0.32	38	-0.25	70	0.15	70	0.03
Kd of Th-229 in Contaminated Zone	60	0.16	63	0.12	85	-0.04	85	-0.01
Kd of Th-229 in Unsaturated Zone 1	81	0.02	82	0.02	30	0.37	30	0.08
Kd of Th-229 in Saturated Zone	68	-0.12	64	-0.11	72	0.13	72	0.02
Kd of Th-230 in Contaminated Zone	39	-0.26	45	-0.23	17	-0.54	17	-0.12
Kd of Th-230 in Unsaturated Zone 1	38	-0.28	51	-0.19	14	-0.55	14	-0.12
Kd of Th-230 in Saturated Zone	82	-0.02	78	-0.03	15	-0.55	16	-0.12
Kd of Th-232 in Contaminated Zone	51	0.21	44	0.23	36	0.35	36	0.07
Kd of Th-232 in Unsaturated Zone 1	8	-0.54	2	*****	83	0.05	83	0.01
Kd of Th-232 in Saturated Zone	43	0.25	54	0.16	13	-0.56	13	-0.12
Kd of U-233 in Saturated Zone	20	-0.37	27	-0.33	61	-0.20	63	-0.04
Kd of U-234 in Saturated Zone	28	-0.32	23	-0.35	8	0.67	8	0.17
Kd of U-235 in Saturated Zone	54	0.19	32	0.28	10	0.61	10	0.14
Kd of U-238 in Saturated Zone	50	-0.21	25	-0.35	48	-0.32	47	-0.06
Plant transfer factor for Ac	35	0.30	18	0.39	18	-0.54	18	-0.12
Meat transfer factor for Ac	31	0.31	30	0.28	38	-0.35	38	-0.07
Milk transfer factor for Ac	55	-0.18	62	-0.13	71	-0.14	71	-0.03
Fish transfer factor for Ac	56	0.17	46	0.22	29	0.39	29	0.08
Plant transfer factor for Am	10	-0.50	14	-0.43	75	0.11	75	0.02
Meat transfer factor for Am	74	0.06	72	0.07	57	0.23	57	0.04
Milk transfer factor for Am	46	0.23	33	0.28	58	0.23	58	0.04
Fish transfer factor for Am	32	-0.30	37	-0.26	19	-0.52	19	-0.11
Plant transfer factor for Pb	42	-0.25	21	-0.37	21	0.45	21	0.09
Meat transfer factor for Pb	61	0.16	59	0.14	12	-0.57	12	-0.13
Milk transfer factor for Pb	34	0.30	36	0.26	81	0.05	81	0.01
Fish transfer factor for Pb	1	0.65	9	0.48	44	0.33	43	0.06
Plant transfer factor for Np	69	0.12	69	0.09	69	-0.15	69	-0.03
Meat transfer factor for Np	45	-0.24	53	-0.17	55	-0.25	54	-0.05
Milk transfer factor for Np	25	-0.33	10	-0.45	35	-0.36	35	-0.07
Fish transfer factor for Np	26	-0.32	13	-0.44	22	-0.44	22	-0.09
Plant transfer factor for Pu	78	-0.04	80	-0.03	53	0.26	53	0.05
Meat transfer factor for Pu	47	-0.23	56	-0.16	76	0.09	76	0.02
Milk transfer factor for Pu	76	-0.05	76	-0.04	88	0.00	88	0.00
Fish transfer factor for Pu	6	-0.54	19	-0.37	6	0.71	6	0.19
Plant transfer factor for Pa	52	-0.21	57	-0.15	46	0.32	46	0.06
Meat transfer factor for Pa	70	0.11	61	0.14	20	0.51	20	0.11
Milk transfer factor for Pa	21	-0.35	11	-0.45	73	-0.13	73	-0.02
Fish transfer factor for Pa	79	0.03	81	0.02	45	-0.32	45	-0.06
Plant transfer factor for Ra	48	0.22	35	0.26	4	0.77	4	0.22
Meat transfer factor for Ra	11	0.48	8	0.49	89	0.00	89	0.00
Milk transfer factor for Ra	63	0.14	65	0.11	86	-0.03	86	-0.01
Fish transfer factor for Ra	62	-0.14	71	-0.08	16	-0.55	15	-0.12
Plant transfer factor for Tc	14	-0.41	20	-0.37	84	-0.04	84	-0.01
Meat transfer factor for Tc	3	0.60	4	0.71	31	0.36	31	0.07
Milk transfer factor for Tc	29	-0.31	40	-0.25	33	0.36	33	0.07
Fish transfer factor for Tc	66	0.13	60	0.14	34	0.36	34	0.07
Plant transfer factor for Th	7	-0.54	6	-0.50	62	-0.20	62	-0.04
Meat transfer factor for Th	4	-0.58	3	-1.14	80	-0.06	80	-0.01
Milk transfer factor for Th	18	0.37	26	0.34	74	-0.11	74	-0.02
Fish transfer factor for Th	65	-0.13	70	-0.08	65	0.20	61	0.04
Plant transfer factor for U	44	0.24	50	0.19	56	0.25	56	0.05
Meat transfer factor for U	71	-0.09	68	-0.09	78	-0.08	78	-0.01
Milk transfer factor for U	84	0.01	84	0.01	66	0.18	66	0.03
Fish transfer factor for U	41	-0.25	41	-0.25	47	-0.32	49	-0.06
Well pumping rate	72	-0.07	74	-0.05	60	0.22	60	0.04
Mass loading for inhalation	89	0.00	89	0.00	24	-0.44	23	-0.09
Indoor dust filtration factor	22	0.35	24	0.35	54	0.25	55	0.05
Depth of soil mixing layer	57	0.17	58	0.14	39	0.35	39	0.07
Depth of roots	9	-0.50	12	-0.44	43	-0.33	44	-0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	37	0.28	42	0.25	50	0.31	50	0.06
Weathering removal constant of all vegetation	87	0.01	86	0.01	23	-0.44	24	-0.09
Wet foliar interception fraction of leafy vegetables	2	0.61	15	0.42	25	0.43	25	0.09

R-SQUARE 0.87 0.87 0.97 0.97

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

Coefficients for peak Meat (WaterDep.) 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	86	-0.01	86	0.00	59	0.16	59	0.04	
Kd of Ac-227 in Unsaturated Zone 1	61	0.11	66	0.04	77	-0.07	78	-0.02	
Kd of Ac-227 in Saturated Zone	1	0.89	1	0.89	72	-0.08	73	-0.02	
Kd of Am-241 in Contaminated Zone	10	-0.43	10	-0.21	66	-0.12	66	-0.03	
Kd of Am-241 in Unsaturated Zone 1	52	0.18	25	0.16	44	-0.24	45	-0.06	
Kd of Am-241 in Saturated Zone	59	-0.13	9	-0.21	24	0.33	24	0.08	
Kd of Np-237 in Contaminated Zone	28	0.31	5	0.30	2	-0.76	2	-0.27	
Kd of Np-237 in Unsaturated Zone 1	7	-0.46	4	-0.33	1	-0.94	1	-0.66	
Kd of Np-237 in Saturated Zone	82	-0.03	82	-0.01	5	-0.55	5	-0.16	
Kd of Pa-231 in Contaminated Zone	47	0.20	49	0.08	52	0.18	52	0.04	
Kd of Pa-231 in Unsaturated Zone 1	80	0.04	52	0.07	86	0.02	86	0.00	
Kd of Pa-231 in Saturated Zone	39	0.25	44	0.10	46	-0.22	46	-0.05	
Kd of Pb-210 in Contaminated Zone	53	-0.17	51	-0.08	6	-0.55	6	-0.15	
Kd of Pb-210 in Unsaturated Zone 1	17	0.37	6	0.29	30	-0.28	31	-0.07	
Kd of Pb-210 in Saturated Zone	40	0.25	26	0.16	61	-0.13	61	-0.03	
Kd of Pu-239 in Contaminated Zone	63	0.11	54	0.07	50	-0.21	49	-0.05	
Kd of Pu-239 in Unsaturated Zone 1	49	0.19	47	0.10	74	0.08	72	0.02	
Kd of Pu-239 in Saturated Zone	81	0.04	80	0.02	15	-0.42	15	-0.11	
Kd of Ra-226 in Contaminated Zone	50	-0.18	41	-0.12	8	-0.50	8	-0.14	
Kd of Ra-226 in Unsaturated Zone 1	23	0.34	20	0.18	58	-0.16	58	-0.04	
Kd of Ra-226 in Saturated Zone	65	-0.10	61	-0.05	67	-0.11	67	-0.03	
Kd of Ra-228 in Contaminated Zone	13	-0.40	2	-0.37	55	-0.17	55	-0.04	
Kd of Ra-228 in Unsaturated Zone 1	72	-0.07	78	-0.02	78	0.07	77	0.02	
Kd of Ra-228 in Saturated Zone	75	-0.06	72	-0.03	68	-0.10	68	-0.02	
Kd of Tc-99 in Saturated Zone	8	-0.44	16	-0.19	13	0.44	13	0.12	
Kd of Th-228 in Contaminated Zone	48	0.20	62	0.05	54	-0.18	53	-0.04	
Kd of Th-228 in Unsaturated Zone 1	74	-0.07	59	-0.06	11	-0.46	11	-0.12	
Kd of Th-228 in Saturated Zone	36	-0.26	14	-0.20	34	0.27	35	0.07	
Kd of Th-229 in Contaminated Zone	68	0.10	73	0.03	57	-0.16	57	-0.04	
Kd of Th-229 in Unsaturated Zone 1	79	0.05	65	0.04	7	0.54	7	0.15	
Kd of Th-229 in Saturated Zone	51	0.18	57	0.06	26	0.31	25	0.08	
Kd of Th-230 in Contaminated Zone	22	-0.34	21	-0.18	48	-0.21	48	-0.05	
Kd of Th-230 in Unsaturated Zone 1	32	0.29	15	0.19	81	-0.05	81	-0.01	
Kd of Th-230 in Saturated Zone	66	-0.10	64	-0.04	14	-0.43	14	-0.11	
Kd of Th-232 in Contaminated Zone	73	-0.07	75	-0.03	47	0.21	47	0.05	
Kd of Th-232 in Unsaturated Zone 1	67	0.10	58	0.06	65	0.12	65	0.03	
Kd of Th-232 in Saturated Zone	9	0.43	18	0.19	73	-0.08	74	-0.02	
Kd of U-233 in Saturated Zone	25	0.32	37	0.13	62	0.13	62	0.03	
Kd of U-234 in Saturated Zone	33	0.28	3	0.34	12	0.45	12	0.12	
Kd of U-235 in Saturated Zone	46	-0.21	34	-0.14	16	0.40	16	0.10	
Kd of U-238 in Saturated Zone	29	-0.31	24	-0.17	37	0.26	37	0.06	
Plant transfer factor for Ac	69	0.09	74	0.03	9	-0.47	9	-0.13	
Meat transfer factor for Ac	87	0.01	88	0.00	64	-0.13	64	-0.03	
Milk transfer factor for Ac	34	0.27	30	0.15	41	0.24	42	0.06	
Fish transfer factor for Ac	60	0.12	60	0.05	32	0.28	30	0.07	
Plant transfer factor for Am	70	0.08	76	0.03	56	-0.17	56	-0.04	
Meat transfer factor for Am	30	0.31	19	0.18	45	0.24	43	0.06	
Milk transfer factor for Am	16	0.38	23	0.17	88	0.00	88	0.00	
Fish transfer factor for Am	54	0.17	50	0.08	28	-0.29	28	-0.07	
Plant transfer factor for Pb	44	-0.22	39	-0.12	36	0.26	36	0.06	
Meat transfer factor for Pb	83	0.03	83	0.01	22	-0.37	22	-0.09	
Milk transfer factor for Pb	55	-0.14	56	-0.06	49	0.21	50	0.05	
Fish transfer factor for Pb	14	-0.39	28	-0.15	3	-0.60	3	-0.18	
Plant transfer factor for Np	12	0.41	22	0.18	23	-0.34	23	-0.09	
Meat transfer factor for Np	84	0.03	84	0.01	25	0.31	26	0.08	
Milk transfer factor for Np	4	0.49	13	0.20	53	-0.18	54	-0.04	
Fish transfer factor for Np	76	-0.06	68	-0.04	42	0.24	44	0.06	
Plant transfer factor for Pu	20	0.36	36	0.13	40	-0.25	40	-0.06	
Meat transfer factor for Pu	78	0.05	81	0.01	69	0.09	69	0.02	
Milk transfer factor for Pu	26	0.32	38	0.13	60	-0.14	60	-0.03	
Fish transfer factor for Pu	58	-0.13	71	-0.04	84	-0.04	84	-0.01	
Plant transfer factor for Pa	77	-0.05	79	-0.02	63	0.13	63	0.03	
Meat transfer factor for Pa	57	-0.13	69	-0.04	87	0.00	87	0.00	
Milk transfer factor for Pa	35	-0.27	45	-0.10	33	-0.27	34	-0.07	
Fish transfer factor for Pa	15	-0.39	7	-0.26	20	-0.38	20	-0.10	
Plant transfer factor for Ra	2	-0.51	8	-0.23	43	-0.24	41	-0.06	
Meat transfer factor for Ra	89	0.00	89	0.00	89	0.00	89	0.00	
Milk transfer factor for Ra	6	-0.46	12	-0.20	27	0.29	27	0.07	
Fish transfer factor for Ra	42	0.24	27	0.16	71	-0.08	71	-0.02	
Plant transfer factor for Tc	41	-0.24	46	-0.10	35	0.27	33	0.07	
Meat transfer factor for Tc	27	0.32	31	0.14	17	0.39	17	0.10	
Milk transfer factor for Tc	19	-0.37	32	-0.14	19	-0.38	19	-0.10	
Fish transfer factor for Tc	3	-0.51	11	-0.20	4	-0.58	4	-0.16	
Plant transfer factor for Th	5	-0.46	17	-0.19	51	-0.18	51	-0.04	
Meat transfer factor for Th	88	0.01	87	0.00	31	-0.28	32	-0.07	
Milk transfer factor for Th	21	0.35	40	0.12	21	0.37	21	0.09	
Fish transfer factor for Th	64	-0.11	67	-0.04	82	0.05	82	0.01	
Plant transfer factor for U	43	-0.22	55	-0.07	76	-0.07	76	-0.02	
Meat transfer factor for U	11	0.43	29	0.15	85	-0.03	85	-0.01	
Milk transfer factor for U	71	0.08	77	0.03	79	0.06	79	0.02	
Fish transfer factor for U	45	-0.21	53	-0.07	38	-0.26	38	-0.06	
Well pumping rate	24	0.33	43	0.12	80	0.06	80	0.01	
Mass loading for inhalation	18	-0.37	42	-0.12	70	0.09	70	0.02	
Indoor dust filtration factor	56	0.14	63	0.05	18	0.38	18	0.10	
Depth of soil mixing layer	62	0.11	70	0.04	39	0.26	39	0.06	
Depth of roots	85	-0.03	85	-0.01	29	-0.28	29	-0.07	
Wet weight crop yield of fruit, grain and non-leafy vegetables	38	-0.25	48	-0.09	75	0.07	75	0.02	
Weathering removal constant of all vegetation	31	0.30	35	0.13	83	0.04	83	0.01	
Wet foliar interception fraction of leafy vegetables	37	-0.25	33	-0.14	10	-0.47	10	-0.12	

R-SQUARE 0.97 0.97 0.95 0.95

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	63	-0.22	49	-0.18	5	0.71	5	0.16
Kd of Ac-227 in Unsaturated Zone 1	65	-0.19	56	-0.14	61	0.21	61	0.03
Kd of Ac-227 in Saturated Zone	58	-0.26	68	-0.09	75	-0.09	75	-0.01
Kd of Am-241 in Contaminated Zone	19	-0.49	27	-0.26	54	-0.27	54	-0.04
Kd of Am-241 in Unsaturated Zone 1	27	0.46	1	1.14	19	-0.54	18	-0.10
Kd of Am-241 in Saturated Zone	18	-0.49	10	-0.43	74	-0.10	74	-0.02
Kd of Np-237 in Contaminated Zone	3	-0.69	8	-0.60	3	-0.88	3	-0.29
Kd of Np-237 in Unsaturated Zone 1	51	-0.31	59	-0.14	1	-0.97	1	-0.62
Kd of Np-237 in Saturated Zone	62	-0.24	43	-0.22	2	-0.89	2	-0.31
Kd of Pa-231 in Contaminated Zone	80	0.08	79	0.04	58	0.21	58	0.03
Kd of Pa-231 in Unsaturated Zone 1	81	0.08	80	0.04	34	-0.39	34	-0.07
Kd of Pa-231 in Saturated Zone	7	0.56	20	0.32	35	0.36	36	0.06
Kd of Pb-210 in Contaminated Zone	12	0.52	5	0.91	38	0.35	38	0.06
Kd of Pb-210 in Unsaturated Zone 1	53	-0.30	44	-0.20	48	-0.28	49	-0.05
Kd of Pb-210 in Saturated Zone	9	-0.54	22	-0.30	12	-0.57	12	-0.11
Kd of Pu-239 in Contaminated Zone	11	-0.53	21	-0.30	23	-0.52	24	-0.10
Kd of Pu-239 in Unsaturated Zone 1	47	0.32	28	0.26	45	-0.30	46	-0.05
Kd of Pu-239 in Saturated Zone	85	-0.06	72	-0.07	41	0.33	41	0.06
Kd of Ra-226 in Contaminated Zone	83	0.06	84	0.03	87	-0.02	87	0.00
Kd of Ra-226 in Unsaturated Zone 1	2	0.71	7	0.60	64	-0.19	64	-0.03
Kd of Ra-226 in Saturated Zone	16	0.50	4	0.94	17	0.54	20	0.10
Kd of Ra-228 in Contaminated Zone	30	-0.44	3	-1.07	86	0.03	86	0.01
Kd of Ra-228 in Unsaturated Zone 1	6	0.57	18	0.34	82	-0.06	82	-0.01
Kd of Ra-228 in Saturated Zone	76	0.11	71	0.07	24	-0.52	23	-0.10
Kd of Tc-99 in Saturated Zone	35	0.38	17	0.35	39	0.35	39	0.06
Kd of Th-228 in Contaminated Zone	48	0.32	53	0.16	49	0.28	48	0.05
Kd of Th-228 in Unsaturated Zone 1	33	-0.39	35	-0.24	63	-0.19	63	-0.03
Kd of Th-228 in Saturated Zone	50	0.32	52	0.16	21	0.54	22	0.10
Kd of Th-229 in Contaminated Zone	66	-0.19	65	-0.11	31	-0.44	31	-0.08
Kd of Th-229 in Unsaturated Zone 1	74	0.14	76	0.05	53	-0.27	53	-0.04
Kd of Th-229 in Saturated Zone	8	-0.55	2	-1.12	44	0.30	44	0.05
Kd of Th-230 in Contaminated Zone	64	0.22	47	0.19	76	0.09	76	0.01
Kd of Th-230 in Unsaturated Zone 1	28	-0.45	9	-0.45	52	0.27	52	0.04
Kd of Th-230 in Saturated Zone	29	-0.45	6	-0.76	81	-0.06	81	-0.01
Kd of Th-232 in Contaminated Zone	59	0.26	57	0.14	85	-0.04	85	-0.01
Kd of Th-232 in Unsaturated Zone 1	46	-0.33	60	-0.13	57	-0.22	57	-0.04
Kd of Th-232 in Saturated Zone	34	-0.39	26	-0.26	88	-0.02	88	0.00
Kd of U-233 in Saturated Zone	43	0.35	39	0.23	68	-0.14	68	-0.02
Kd of U-234 in Saturated Zone	20	-0.48	15	-0.37	9	-0.65	9	-0.14
Kd of U-235 in Saturated Zone	52	-0.30	51	-0.17	14	-0.56	16	-0.11
Kd of U-238 in Saturated Zone	88	-0.02	83	-0.03	16	-0.55	15	-0.11
Plant transfer factor for Ac	82	0.07	82	0.03	60	0.21	59	0.03
Meat transfer factor for Ac	73	-0.15	70	-0.08	50	-0.27	50	-0.05
Milk transfer factor for Ac	40	-0.36	48	-0.19	71	0.12	71	0.02
Fish transfer factor for Ac	39	-0.36	41	-0.22	36	-0.36	37	-0.06
Plant transfer factor for Am	61	-0.25	61	-0.12	10	0.64	10	0.13
Meat transfer factor for Am	44	-0.34	46	-0.20	11	-0.59	11	-0.12
Milk transfer factor for Am	24	-0.47	33	-0.24	65	0.17	65	0.03
Fish transfer factor for Am	14	0.52	19	0.33	46	0.30	45	0.05
Plant transfer factor for Pb	15	0.51	12	0.39	66	0.16	66	0.03
Meat transfer factor for Pb	23	0.47	38	0.23	6	-0.69	6	-0.15
Milk transfer factor for Pb	78	-0.09	78	-0.04	84	-0.06	84	-0.01
Fish transfer factor for Pb	57	0.28	64	0.12	18	-0.54	17	-0.10
Plant transfer factor for Np	49	0.32	30	0.25	33	0.42	32	0.07
Meat transfer factor for Np	21	0.48	29	0.26	4	0.83	4	0.24
Milk transfer factor for Np	67	-0.19	67	-0.09	70	-0.12	70	-0.02
Fish transfer factor for Np	41	0.35	31	0.25	43	0.31	43	0.05
Plant transfer factor for Pu	37	0.37	40	0.22	8	-0.65	8	-0.14
Meat transfer factor for Pu	70	-0.16	74	-0.07	27	-0.48	27	-0.09
Milk transfer factor for Pu	55	-0.29	62	-0.12	79	-0.08	79	-0.01
Fish transfer factor for Pu	5	-0.57	16	-0.35	26	0.49	26	0.09
Plant transfer factor for Pa	87	0.02	88	0.01	20	-0.54	19	-0.10
Meat transfer factor for Pa	89	0.00	89	0.00	7	0.67	7	0.14
Milk transfer factor for Pa	84	-0.06	86	-0.02	32	-0.42	33	-0.07
Fish transfer factor for Pa	22	0.48	25	0.27	69	0.13	69	0.02
Plant transfer factor for Ra	69	-0.17	75	-0.06	78	-0.09	78	-0.01
Meat transfer factor for Ra	71	-0.15	69	-0.08	29	0.44	30	0.08
Milk transfer factor for Ra	86	0.04	87	0.02	25	-0.51	25	-0.09
Fish transfer factor for Ra	1	0.73	11	0.43	42	0.33	42	0.06
Plant transfer factor for Tc	26	-0.47	13	-0.37	15	-0.55	14	-0.11
Meat transfer factor for Tc	13	0.52	24	0.27	37	0.36	35	0.06
Milk transfer factor for Tc	75	-0.13	77	-0.05	13	-0.57	13	-0.11
Fish transfer factor for Tc	45	0.34	36	0.23	83	0.06	83	0.01
Plant transfer factor for Th	32	0.39	32	0.24	62	0.20	62	0.03
Meat transfer factor for Th	10	0.53	23	0.29	56	-0.22	56	-0.04
Milk transfer factor for Th	38	-0.37	42	-0.22	80	0.07	80	0.01
Fish transfer factor for Th	31	-0.39	45	-0.20	30	-0.44	29	-0.08
Plant transfer factor for U	72	-0.15	73	-0.07	77	0.09	77	0.01
Meat transfer factor for U	77	-0.10	81	-0.04	55	-0.24	55	-0.04
Milk transfer factor for U	36	-0.38	58	-0.14	22	0.53	21	0.10
Fish transfer factor for U	54	0.29	50	0.18	28	0.45	28	0.08
Well pumping rate	56	0.28	55	0.15	72	0.11	72	0.02
Mass loading for inhalation	79	-0.08	85	-0.03	73	-0.10	73	-0.02
Indoor dust filtration factor	60	0.25	63	0.12	40	0.35	40	0.06
Depth of soil mixing layer	17	0.50	34	0.24	47	0.30	47	0.05
Depth of roots	68	0.18	66	0.10	89	-0.02	89	0.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	42	0.35	54	0.16	59	0.21	60	0.03
Weathering removal constant of all vegetation	4	-0.59	14	-0.37	51	-0.27	51	-0.05
Wet foliar interception fraction of leafy vegetables	25	-0.47	37	-0.23	67	-0.15	67	-0.02

R-SQUARE 0.95 0.95 0.98 0.98

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

Coefficients for peak Meat (WaterDep.) Dose		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		47	-0.24	61	-0.09	58	-0.11	58	-0.03
Kd of Ac-227 in Unsaturated Zone 1		74	-0.09	75	-0.05	18	-0.34	18	-0.09
Kd of Ac-227 in Saturated Zone		54	-0.21	48	-0.14	23	-0.30	23	-0.08
Kd of Am-241 in Contaminated Zone		25	-0.34	32	-0.19	62	0.09	63	0.02
Kd of Am-241 in Unsaturated Zone 1		20	0.37	1	14.05	38	0.20	38	0.05
Kd of Am-241 in Saturated Zone		35	0.30	54	0.13	73	-0.06	72	-0.01
Kd of Np-237 in Contaminated Zone		88	0.01	89	0.01	2	-0.84	2	-0.38
Kd of Np-237 in Unsaturated Zone 1		73	-0.10	73	-0.06	1	-0.93	1	-0.63
Kd of Np-237 in Saturated Zone		41	0.26	34	0.17	3	-0.74	3	-0.27
Kd of Pa-231 in Contaminated Zone		86	0.02	86	0.01	77	-0.06	77	-0.01
Kd of Pa-231 in Unsaturated Zone 1		31	-0.31	18	-0.27	40	-0.20	40	-0.05
Kd of Pa-231 in Saturated Zone		42	-0.26	29	-0.20	9	0.48	9	0.13
Kd of Pb-210 in Contaminated Zone		24	-0.34	33	-0.17	70	-0.07	70	-0.02
Kd of Pb-210 in Unsaturated Zone 1		66	0.13	47	0.14	48	0.16	48	0.04
Kd of Pb-210 in Saturated Zone		70	0.11	70	0.07	43	-0.18	43	-0.04
Kd of Pu-239 in Contaminated Zone		81	0.05	79	0.03	81	0.04	81	0.01
Kd of Pu-239 in Unsaturated Zone 1		77	-0.07	81	-0.03	57	-0.12	57	-0.03
Kd of Pu-239 in Saturated Zone		87	0.02	87	0.01	66	-0.08	66	-0.02
Kd of Ra-226 in Contaminated Zone		40	-0.27	46	-0.14	14	-0.38	15	-0.10
Kd of Ra-226 in Unsaturated Zone 1		3	0.63	8	0.45	11	-0.42	11	-0.11
Kd of Ra-226 in Saturated Zone		18	-0.39	21	-0.25	36	0.21	37	0.05
Kd of Ra-228 in Contaminated Zone		79	0.06	78	0.03	54	0.13	54	0.03
Kd of Ra-228 in Unsaturated Zone 1		4	0.57	4	0.66	87	0.01	87	0.00
Kd of Ra-228 in Saturated Zone		43	-0.26	51	-0.13	6	0.54	6	0.15
Kd of Tc-99 in Saturated Zone		52	0.22	59	0.10	50	0.14	52	0.03
Kd of Th-228 in Contaminated Zone		11	-0.46	20	-0.26	15	-0.38	14	-0.10
Kd of Th-228 in Unsaturated Zone 1		63	0.16	36	0.17	35	-0.21	35	-0.05
Kd of Th-228 in Saturated Zone		34	-0.30	39	-0.16	47	0.17	47	0.04
Kd of Th-229 in Contaminated Zone		38	-0.27	53	-0.13	71	0.06	71	0.01
Kd of Th-229 in Unsaturated Zone 1		65	0.15	69	0.07	19	0.32	19	0.08
Kd of Th-229 in Saturated Zone		29	0.32	25	0.22	86	0.02	86	0.01
Kd of Th-230 in Contaminated Zone		46	0.24	45	0.14	72	-0.06	73	-0.01
Kd of Th-230 in Unsaturated Zone 1		58	-0.17	67	-0.07	13	-0.41	13	-0.11
Kd of Th-230 in Saturated Zone		49	0.23	23	0.24	28	-0.27	28	-0.07
Kd of Th-232 in Contaminated Zone		19	-0.38	16	-0.29	25	0.29	25	0.07
Kd of Th-232 in Unsaturated Zone 1		22	-0.36	2	*****	41	0.19	41	0.05
Kd of Th-232 in Saturated Zone		36	0.29	56	0.12	24	-0.29	24	-0.07
Kd of U-233 in Saturated Zone		26	0.34	30	0.20	68	-0.07	68	-0.02
Kd of U-234 in Saturated Zone		75	-0.08	74	-0.05	26	0.28	26	0.07
Kd of U-235 in Saturated Zone		28	0.33	13	0.34	7	0.50	7	0.14
Kd of U-238 in Saturated Zone		32	-0.31	12	-0.34	60	-0.10	60	-0.02
Plant transfer factor for Ac		72	-0.10	66	-0.08	89	-0.01	89	0.00
Meat transfer factor for Ac		69	0.12	68	0.07	39	-0.20	39	-0.05
Milk transfer factor for Ac		48	0.23	57	0.11	37	-0.20	36	-0.05
Fish transfer factor for Ac		68	-0.13	58	-0.11	44	0.18	44	0.04
Plant transfer factor for Am		2	-0.63	9	-0.41	32	0.22	33	0.06
Meat transfer factor for Am		39	-0.27	28	-0.20	17	0.35	17	0.09
Milk transfer factor for Am		60	0.16	55	0.13	55	0.12	55	0.03
Fish transfer factor for Am		7	-0.53	11	-0.34	8	-0.49	8	-0.13
Plant transfer factor for Pb		57	0.18	35	0.17	16	0.36	16	0.09
Meat transfer factor for Pb		51	0.22	50	0.13	22	-0.30	22	-0.08
Milk transfer factor for Pb		37	0.28	40	0.16	84	0.02	84	0.01
Fish transfer factor for Pb		1	0.92	3	0.85	31	0.23	31	0.06
Plant transfer factor for Np		67	0.13	71	0.07	29	-0.25	29	-0.06
Meat transfer factor for Np		8	0.53	15	0.29	12	0.41	12	0.11
Milk transfer factor for Np		59	0.17	42	0.15	20	-0.32	20	-0.08
Fish transfer factor for Np		10	-0.46	7	-0.45	34	0.22	34	0.05
Plant transfer factor for Pu		23	0.35	31	0.19	21	0.31	21	0.08
Meat transfer factor for Pu		76	-0.07	80	-0.03	51	0.14	51	0.03
Milk transfer factor for Pu		61	0.16	64	0.09	79	0.05	79	0.01
Fish transfer factor for Pu		53	-0.21	65	-0.08	10	0.42	10	0.11
Plant transfer factor for Pa		56	-0.18	62	-0.09	75	0.06	75	0.01
Meat transfer factor for Pa		16	-0.41	10	-0.35	30	0.23	30	0.06
Milk transfer factor for Pa		6	-0.55	5	-0.52	61	0.10	61	0.02
Fish transfer factor for Pa		27	-0.33	38	-0.16	27	-0.27	27	-0.07
Plant transfer factor for Ra		55	0.19	44	0.15	5	0.54	5	0.15
Meat transfer factor for Ra		78	-0.06	77	-0.04	85	0.02	85	0.01
Milk transfer factor for Ra		44	-0.25	52	-0.13	76	-0.06	74	-0.01
Fish transfer factor for Ra		14	-0.42	37	-0.16	4	-0.55	4	-0.16
Plant transfer factor for Tc		62	-0.16	63	-0.09	53	0.14	50	0.03
Meat transfer factor for Tc		15	0.42	17	0.29	45	0.18	45	0.04
Milk transfer factor for Tc		85	0.03	85	0.02	56	0.12	56	0.03
Fish transfer factor for Tc		80	-0.06	76	-0.04	80	0.04	80	0.01
Plant transfer factor for Th		12	-0.45	19	-0.26	49	-0.15	49	-0.04
Meat transfer factor for Th		13	-0.43	6	-0.50	46	-0.17	46	-0.04
Milk transfer factor for Th		89	0.01	88	0.01	59	0.10	59	0.02
Fish transfer factor for Th		82	-0.04	84	-0.02	64	-0.09	62	-0.02
Plant transfer factor for U		45	0.25	49	0.13	88	-0.01	88	0.00
Meat transfer factor for U		64	-0.15	60	-0.09	67	0.08	67	0.02
Milk transfer factor for U		83	0.04	82	0.02	78	0.05	78	0.01
Fish transfer factor for U		33	-0.31	27	-0.21	52	-0.14	53	-0.03
Well pumping rate		30	-0.32	41	-0.16	82	-0.03	82	-0.01
Mass loading for inhalation		50	-0.22	43	-0.15	33	-0.22	32	-0.06
Indoor dust filtration factor		71	-0.11	72	-0.07	69	0.07	69	0.02
Depth of soil mixing layer		9	0.49	14	0.30	65	0.08	65	0.02
Depth of roots		17	-0.40	24	-0.22	83	-0.02	83	-0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables		21	0.36	26	0.22	42	0.19	42	0.05
Weathering removal constant of all vegetation		84	0.03	83	0.02	63	-0.09	64	-0.02
Wet foliar interception fraction of leafy vegetables		5	0.56	22	0.25	74	-0.06	76	-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 Milk (WaterDep.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	27	0.30	37	0.12	55	0.13	55	0.04
Kd of Ac-227 in Unsaturated Zone 1	15	0.38	28	0.16	22	-0.35	22	-0.10
Kd of Ac-227 in Saturated Zone	2	0.63	6	0.41	86	-0.02	86	-0.01
Kd of Am-241 in Contaminated Zone	12	-0.41	16	-0.23	85	-0.02	85	-0.01
Kd of Am-241 in Unsaturated Zone 1	18	0.34	8	0.37	76	-0.05	76	-0.01
Kd of Am-241 in Saturated Zone	30	0.30	2	0.59	23	0.34	23	0.10
Kd of Np-237 in Contaminated Zone	36	0.26	13	0.28	2	-0.67	2	-0.25
Kd of Np-237 in Unsaturated Zone 1	13	-0.40	11	-0.31	1	-0.91	1	-0.59
Kd of Np-237 in Saturated Zone	7	0.47	15	0.24	11	-0.45	11	-0.14
Kd of Pa-231 in Contaminated Zone	16	0.36	23	0.18	42	-0.20	42	-0.06
Kd of Pa-231 in Unsaturated Zone 1	25	-0.30	3	-0.58	20	-0.37	20	-0.11
Kd of Pa-231 in Saturated Zone	19	0.34	27	0.16	9	-0.49	9	-0.15
Kd of Pb-210 in Contaminated Zone	20	0.33	21	0.19	13	-0.43	13	-0.13
Kd of Pb-210 in Unsaturated Zone 1	57	-0.12	46	-0.10	35	-0.25	35	-0.07
Kd of Pb-210 in Saturated Zone	70	0.07	61	0.05	75	-0.05	75	-0.01
Kd of Pu-239 in Contaminated Zone	42	-0.22	26	-0.16	71	-0.07	72	-0.02
Kd of Pu-239 in Unsaturated Zone 1	5	0.56	7	0.38	73	-0.07	70	-0.02
Kd of Pu-239 in Saturated Zone	63	-0.11	59	-0.06	24	-0.33	24	-0.10
Kd of Ra-226 in Contaminated Zone	44	-0.21	30	-0.15	17	-0.39	17	-0.12
Kd of Ra-226 in Unsaturated Zone 1	74	0.06	70	0.04	28	-0.29	29	-0.08
Kd of Ra-226 in Saturated Zone	38	-0.25	33	-0.14	58	0.11	58	0.03
Kd of Ra-228 in Contaminated Zone	43	-0.22	18	-0.22	54	-0.14	54	-0.04
Kd of Ra-228 in Unsaturated Zone 1	69	0.08	72	0.03	74	-0.05	74	-0.01
Kd of Ra-228 in Saturated Zone	62	0.11	58	0.07	79	-0.05	79	-0.01
Kd of Tc-99 in Saturated Zone	41	-0.23	45	-0.10	10	0.48	10	0.15
Kd of Th-228 in Contaminated Zone	78	0.05	81	0.02	61	-0.10	61	-0.03
Kd of Th-228 in Unsaturated Zone 1	54	-0.15	31	-0.15	30	-0.28	30	-0.08
Kd of Th-228 in Saturated Zone	85	-0.03	79	-0.02	89	0.00	89	0.00
Kd of Th-229 in Contaminated Zone	11	0.42	24	0.17	56	-0.13	56	-0.04
Kd of Th-229 in Unsaturated Zone 1	46	-0.20	19	-0.21	18	0.38	18	0.11
Kd of Th-229 in Saturated Zone	29	0.30	43	0.11	84	0.03	84	0.01
Kd of Th-230 in Contaminated Zone	89	0.00	89	0.00	32	-0.27	32	-0.08
Kd of Th-230 in Unsaturated Zone 1	4	-0.62	4	-0.57	72	-0.07	73	-0.02
Kd of Th-230 in Saturated Zone	55	0.15	56	0.07	15	-0.41	15	-0.12
Kd of Th-232 in Contaminated Zone	14	0.38	22	0.19	68	0.08	68	0.02
Kd of Th-232 in Unsaturated Zone 1	24	0.31	20	0.20	41	0.21	41	0.06
Kd of Th-232 in Saturated Zone	37	0.26	36	0.12	48	-0.18	48	-0.05
Kd of U-233 in Saturated Zone	86	-0.01	87	-0.01	65	0.09	65	0.02
Kd of U-234 in Saturated Zone	21	0.33	5	0.46	45	0.19	45	0.05
Kd of U-235 in Saturated Zone	1	0.79	1	0.94	16	0.40	16	0.12
Kd of U-238 in Saturated Zone	17	-0.36	17	-0.23	44	0.20	43	0.06
Plant transfer factor for Ac	52	0.17	57	0.07	4	-0.54	3	-0.18
Meat transfer factor for Ac	83	-0.03	84	-0.01	63	0.10	64	0.03
Milk transfer factor for Ac	49	-0.19	41	-0.12	39	0.22	39	0.06
Fish transfer factor for Ac	66	0.09	64	0.04	46	0.19	46	0.05
Plant transfer factor for Am	48	-0.19	55	-0.07	43	-0.20	44	-0.06
Meat transfer factor for Am	9	0.46	9	0.33	52	0.14	52	0.04
Milk transfer factor for Am	60	0.11	60	0.05	80	0.04	80	0.01
Fish transfer factor for Am	33	-0.27	29	-0.15	31	-0.27	31	-0.08
Plant transfer factor for Pb	72	0.07	67	0.04	38	0.23	37	0.07
Meat transfer factor for Pb	64	-0.10	69	-0.04	26	-0.32	26	-0.09
Milk transfer factor for Pb	50	-0.18	50	-0.09	81	0.03	81	0.01
Fish transfer factor for Pb	34	-0.26	42	-0.11	5	-0.52	5	-0.17
Plant transfer factor for Np	23	0.31	32	0.14	77	-0.05	77	-0.01
Meat transfer factor for Np	45	0.21	52	0.08	50	-0.16	50	-0.04
Milk transfer factor for Np	3	0.63	10	0.32	7	0.50	7	0.16
Fish transfer factor for Np	58	-0.12	48	-0.10	69	0.08	69	0.02
Plant transfer factor for Pu	47	0.20	54	0.08	53	-0.14	53	-0.04
Meat transfer factor for Pu	65	0.10	71	0.03	88	0.00	88	0.00
Milk transfer factor for Pu	77	-0.05	77	-0.02	36	-0.24	36	-0.07
Fish transfer factor for Pu	81	0.04	83	0.01	87	0.00	87	0.00
Plant transfer factor for Pa	67	0.08	65	0.04	78	0.05	78	0.01
Meat transfer factor for Pa	68	-0.08	73	-0.03	60	-0.11	60	-0.03
Milk transfer factor for Pa	80	0.05	80	0.02	83	-0.03	83	-0.01
Fish transfer factor for Pa	87	0.01	86	0.01	40	-0.21	40	-0.06
Plant transfer factor for Ra	35	-0.26	39	-0.12	57	-0.12	57	-0.03
Meat transfer factor for Ra	8	-0.46	12	-0.29	70	0.07	71	0.02
Milk transfer factor for Ra	75	0.06	74	0.03	82	0.03	82	0.01
Fish transfer factor for Ra	51	0.18	34	0.13	67	0.08	67	0.02
Plant transfer factor for Tc	88	0.00	88	0.00	19	0.37	19	0.11
Meat transfer factor for Tc	61	0.11	62	0.05	12	0.43	12	0.13
Milk transfer factor for Tc	6	-0.51	14	-0.24	6	-0.52	6	-0.17
Fish transfer factor for Tc	73	-0.06	76	-0.02	3	-0.55	4	-0.18
Plant transfer factor for Th	39	0.24	47	0.10	37	-0.23	38	-0.07
Meat transfer factor for Th	84	-0.03	82	-0.01	21	-0.35	21	-0.10
Milk transfer factor for Th	26	0.30	40	0.12	14	0.42	14	0.13
Fish transfer factor for Th	79	-0.05	78	-0.02	59	0.11	59	0.03
Plant transfer factor for U	82	0.03	85	0.01	62	0.10	62	0.03
Meat transfer factor for U	40	0.23	51	0.09	47	-0.18	47	-0.05
Milk transfer factor for U	59	0.12	63	0.05	27	0.29	27	0.09
Fish transfer factor for U	71	-0.07	75	-0.03	29	-0.29	28	-0.08
Well pumping rate	28	0.30	38	0.12	64	-0.09	63	-0.03
Mass loading for inhalation	56	0.12	66	0.04	51	-0.14	51	-0.04
Indoor dust filtration factor	10	0.42	25	0.17	33	0.25	34	0.07
Depth of soil mixing layer	32	0.27	44	0.11	49	0.17	49	0.05
Depth of roots	31	0.28	49	0.09	34	-0.25	33	-0.07
Wet weight crop yield of fruit, grain and non-leafy vegetables	22	-0.33	35	-0.13	66	0.09	66	0.02
Weathering removal constant of all vegetation	53	0.16	53	0.08	25	0.33	25	0.10
Wet foliar interception fraction of leafy vegetables	76	0.06	68	0.04	8	-0.49	8	-0.16

R-SQUARE 0.97 0.97 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
 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	37	-0.25	23	-0.17	7	0.72	8	0.15
Kd of Ac-227 in Unsaturated Zone 1	60	0.13	55	0.08	76	-0.09	76	-0.01
Kd of Ac-227 in Saturated Zone	23	-0.36	45	-0.10	79	0.09	79	0.01
Kd of Am-241 in Contaminated Zone	22	-0.38	28	-0.15	65	0.19	65	0.03
Kd of Am-241 in Unsaturated Zone 1	8	0.51	1	1.09	46	-0.33	47	-0.05
Kd of Am-241 in Saturated Zone	16	-0.42	8	-0.30	57	-0.26	57	-0.04
Kd of Np-237 in Contaminated Zone	2	-0.73	5	-0.55	2	-0.89	2	-0.30
Kd of Np-237 in Unsaturated Zone 1	34	-0.28	46	-0.10	1	-0.97	1	-0.60
Kd of Np-237 in Saturated Zone	70	-0.10	57	-0.07	3	-0.88	3	-0.28
Kd of Pa-231 in Contaminated Zone	87	0.00	87	0.00	78	0.09	78	0.01
Kd of Pa-231 in Unsaturated Zone 1	43	0.22	49	0.09	5	-0.76	6	-0.17
Kd of Pa-231 in Saturated Zone	74	0.08	73	0.03	41	0.34	41	0.05
Kd of Pb-210 in Contaminated Zone	52	0.18	13	0.22	25	0.52	25	0.09
Kd of Pb-210 in Unsaturated Zone 1	28	-0.32	19	-0.18	67	-0.19	67	-0.03
Kd of Pb-210 in Saturated Zone	75	-0.08	74	-0.03	28	-0.49	28	-0.09
Kd of Pu-239 in Contaminated Zone	13	-0.46	16	-0.21	23	-0.54	24	-0.10
Kd of Pu-239 in Unsaturated Zone 1	71	0.10	63	0.06	20	-0.57	21	-0.10
Kd of Pu-239 in Saturated Zone	69	0.10	43	0.11	34	0.42	35	0.07
Kd of Ra-226 in Contaminated Zone	42	0.22	51	0.09	89	0.01	89	0.00
Kd of Ra-226 in Unsaturated Zone 1	1	0.83	4	0.74	62	-0.20	62	-0.03
Kd of Ra-226 in Saturated Zone	10	0.48	3	0.75	4	0.77	4	0.18
Kd of Ra-228 in Contaminated Zone	9	-0.51	2	-1.05	66	-0.19	66	-0.03
Kd of Ra-228 in Unsaturated Zone 1	15	0.45	15	0.21	70	-0.13	70	-0.02
Kd of Ra-228 in Saturated Zone	44	0.21	36	0.13	29	-0.48	29	-0.08
Kd of Tc-99 in Saturated Zone	63	0.12	54	0.08	15	0.63	15	0.12
Kd of Th-228 in Contaminated Zone	26	0.34	32	0.14	36	0.40	36	0.07
Kd of Th-228 in Unsaturated Zone 1	29	-0.31	29	-0.15	82	0.04	82	0.01
Kd of Th-228 in Saturated Zone	77	0.06	79	0.02	50	0.32	50	0.05
Kd of Th-229 in Contaminated Zone	67	0.10	69	0.05	13	-0.64	14	-0.12
Kd of Th-229 in Unsaturated Zone 1	78	0.05	82	0.01	56	-0.29	56	-0.04
Kd of Th-229 in Saturated Zone	73	-0.09	38	-0.12	55	0.29	55	0.05
Kd of Th-230 in Contaminated Zone	54	-0.18	34	-0.13	73	0.11	73	0.02
Kd of Th-230 in Unsaturated Zone 1	32	-0.29	14	-0.22	38	0.37	38	0.06
Kd of Th-230 in Saturated Zone	20	-0.38	6	-0.52	63	-0.20	64	-0.03
Kd of Th-232 in Contaminated Zone	51	0.19	53	0.09	69	-0.16	69	-0.02
Kd of Th-232 in Unsaturated Zone 1	83	-0.03	84	-0.01	39	-0.36	39	-0.06
Kd of Th-232 in Saturated Zone	65	-0.11	64	-0.06	64	-0.20	63	-0.03
Kd of U-233 in Saturated Zone	41	0.23	40	0.12	54	-0.30	54	-0.05
Kd of U-234 in Saturated Zone	49	-0.20	42	-0.11	52	-0.30	51	-0.05
Kd of U-235 in Saturated Zone	30	-0.31	33	-0.14	10	-0.65	12	-0.13
Kd of U-238 in Saturated Zone	59	-0.14	24	-0.17	6	-0.76	5	-0.18
Plant transfer factor for Ac	21	0.38	27	0.16	74	-0.10	74	-0.02
Meat transfer factor for Ac	24	-0.36	22	-0.17	85	-0.04	85	-0.01
Milk transfer factor for Ac	56	-0.16	60	-0.06	86	0.03	86	0.00
Fish transfer factor for Ac	58	-0.14	59	-0.07	48	-0.32	48	-0.05
Plant transfer factor for Am	46	-0.20	56	-0.08	8	0.71	7	0.16
Meat transfer factor for Am	66	0.11	70	0.05	21	-0.56	20	-0.10
Milk transfer factor for Am	6	-0.54	11	-0.24	83	-0.04	83	-0.01
Fish transfer factor for Am	47	0.20	48	0.09	26	0.51	26	0.09
Plant transfer factor for Pb	81	-0.04	78	-0.02	47	0.33	46	0.05
Meat transfer factor for Pb	12	0.47	18	0.19	14	-0.63	13	-0.12
Milk transfer factor for Pb	31	-0.30	39	-0.12	84	-0.04	84	-0.01
Fish transfer factor for Pb	79	-0.05	80	-0.02	9	-0.68	9	-0.14
Plant transfer factor for Np	25	0.35	12	0.23	12	0.64	10	0.13
Meat transfer factor for Np	36	-0.26	44	-0.11	37	0.38	37	0.06
Milk transfer factor for Np	17	0.41	21	0.18	17	0.60	17	0.11
Fish transfer factor for Np	82	0.04	76	0.02	22	0.55	22	0.10
Plant transfer factor for Pu	48	0.20	50	0.09	42	-0.34	42	-0.05
Meat transfer factor for Pu	88	0.00	88	0.00	31	-0.46	32	-0.08
Milk transfer factor for Pu	76	0.07	77	0.02	72	-0.12	72	-0.02
Fish transfer factor for Pu	40	-0.24	47	-0.10	33	0.45	33	0.08
Plant transfer factor for Pa	84	0.03	83	0.01	32	-0.46	31	-0.08
Meat transfer factor for Pa	80	0.05	81	0.02	18	0.59	18	0.11
Milk transfer factor for Pa	72	-0.09	75	-0.03	44	-0.33	44	-0.05
Fish transfer factor for Pa	89	0.00	89	0.00	71	-0.13	71	-0.02
Plant transfer factor for Ra	11	-0.48	25	-0.16	88	-0.01	88	0.00
Meat transfer factor for Ra	85	-0.02	85	-0.01	49	0.32	49	0.05
Milk transfer factor for Ra	38	0.24	52	0.09	16	-0.62	16	-0.12
Fish transfer factor for Ra	4	0.64	9	0.28	53	0.30	53	0.05
Plant transfer factor for Tc	68	-0.10	62	-0.06	59	-0.23	59	-0.04
Meat transfer factor for Tc	50	0.19	58	0.07	27	0.50	27	0.09
Milk transfer factor for Tc	45	-0.20	61	-0.06	19	-0.59	19	-0.11
Fish transfer factor for Tc	86	0.01	86	0.01	61	0.21	61	0.03
Plant transfer factor for Th	39	0.24	41	0.12	58	0.25	58	0.04
Meat transfer factor for Th	19	0.38	26	0.16	43	-0.34	43	-0.05
Milk transfer factor for Th	62	0.13	67	0.06	68	0.17	68	0.03
Fish transfer factor for Th	7	-0.53	10	-0.25	24	-0.54	23	-0.10
Plant transfer factor for U	3	-0.64	7	-0.33	81	-0.04	81	-0.01
Meat transfer factor for U	53	-0.18	68	-0.06	51	-0.31	52	-0.05
Milk transfer factor for U	5	-0.58	17	-0.20	30	0.46	30	0.08
Fish transfer factor for U	64	-0.12	66	-0.06	35	0.42	34	0.07
Well pumping rate	27	0.34	30	0.15	87	0.02	87	0.00
Mass loading for inhalation	55	-0.16	72	-0.04	40	-0.34	40	-0.06
Indoor dust filtration factor	57	0.15	65	0.06	45	0.33	45	0.05
Depth of soil mixing layer	14	0.46	20	0.18	11	0.65	11	0.13
Depth of roots	35	0.27	35	0.13	80	-0.07	80	-0.01
Wet weight crop yield of fruit, grain and non-leafy vegetables	61	-0.13	71	-0.05	75	0.10	75	0.01
Weathering removal constant of all vegetation	33	-0.29	37	-0.13	60	-0.22	60	-0.03
Wet foliar interception fraction of leafy vegetables	18	-0.38	31	-0.15	77	-0.09	77	-0.01

R-SQUARE 0.96 0.96 0.98 0.98

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

Coefficients for peak 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	58	-0.18	67	-0.05	64	-0.10	64	-0.03
Kd of Ac-227 in Unsaturated Zone 1	62	0.15	62	0.06	54	-0.19	53	-0.05
Kd of Ac-227 in Saturated Zone	21	-0.40	28	-0.22	10	-0.48	11	-0.14
Kd of Am-241 in Contaminated Zone	61	-0.16	60	-0.07	75	-0.07	75	-0.02
Kd of Am-241 in Unsaturated Zone 1	74	-0.09	2	-2.48	22	0.36	22	0.10
Kd of Am-241 in Saturated Zone	51	0.20	59	0.07	49	-0.20	49	-0.05
Kd of Np-237 in Contaminated Zone	86	0.04	86	0.01	3	-0.78	3	-0.32
Kd of Np-237 in Unsaturated Zone 1	66	0.12	63	0.06	1	-0.87	1	-0.45
Kd of Np-237 in Saturated Zone	44	0.25	42	0.13	2	-0.79	2	-0.33
Kd of Pa-231 in Contaminated Zone	68	0.11	75	0.04	17	-0.42	17	-0.12
Kd of Pa-231 in Unsaturated Zone 1	22	-0.39	18	-0.27	6	-0.56	6	-0.17
Kd of Pa-231 in Saturated Zone	79	0.06	77	0.03	23	0.34	23	0.09
Kd of Pb-210 in Contaminated Zone	38	-0.30	45	-0.12	53	-0.19	54	-0.05
Kd of Pb-210 in Unsaturated Zone 1	55	0.19	35	0.16	44	-0.24	44	-0.06
Kd of Pb-210 in Saturated Zone	75	0.08	76	0.04	21	-0.39	21	-0.11
Kd of Pu-239 in Contaminated Zone	87	-0.02	87	-0.01	86	-0.01	87	0.00
Kd of Pu-239 in Unsaturated Zone 1	46	0.22	56	0.08	55	-0.17	56	-0.04
Kd of Pu-239 in Saturated Zone	24	0.39	32	0.18	61	-0.14	61	-0.04
Kd of Ra-226 in Contaminated Zone	83	-0.04	83	-0.02	67	-0.10	68	-0.03
Kd of Ra-226 in Unsaturated Zone 1	5	0.56	13	0.29	29	-0.32	29	-0.09
Kd of Ra-226 in Saturated Zone	64	-0.14	61	-0.07	25	0.33	25	0.09
Kd of Ra-228 in Contaminated Zone	82	-0.05	82	-0.02	40	0.27	40	0.07
Kd of Ra-228 in Unsaturated Zone 1	3	0.57	4	0.52	89	0.00	89	0.00
Kd of Ra-228 in Saturated Zone	84	0.04	84	0.02	7	0.53	7	0.16
Kd of Tc-99 in Saturated Zone	41	0.28	52	0.10	19	0.41	19	0.11
Kd of Th-228 in Contaminated Zone	29	-0.35	36	-0.15	43	-0.25	43	-0.07
Kd of Th-228 in Unsaturated Zone 1	36	0.31	17	0.28	85	0.01	85	0.00
Kd of Th-228 in Saturated Zone	15	-0.46	29	-0.21	48	0.22	48	0.06
Kd of Th-229 in Contaminated Zone	20	-0.40	33	-0.16	46	0.23	46	0.06
Kd of Th-229 in Unsaturated Zone 1	53	0.19	57	0.08	50	0.20	50	0.05
Kd of Th-229 in Saturated Zone	18	0.42	22	0.24	71	0.09	71	0.02
Kd of Th-230 in Contaminated Zone	14	0.46	23	0.24	13	-0.45	14	-0.13
Kd of Th-230 in Unsaturated Zone 1	89	-0.02	89	-0.01	14	-0.45	13	-0.13
Kd of Th-230 in Saturated Zone	16	0.45	7	0.40	16	-0.43	16	-0.12
Kd of Th-232 in Contaminated Zone	17	-0.45	15	-0.28	9	0.50	9	0.15
Kd of Th-232 in Unsaturated Zone 1	72	0.10	1	2.82	68	0.10	66	0.03
Kd of Th-232 in Saturated Zone	59	0.17	66	0.06	32	-0.30	32	-0.08
Kd of U-233 in Saturated Zone	4	0.56	12	0.30	47	-0.22	47	-0.06
Kd of U-234 in Saturated Zone	76	-0.07	73	-0.04	11	0.48	10	0.14
Kd of U-235 in Saturated Zone	28	0.36	11	0.31	18	0.41	18	0.12
Kd of U-238 in Saturated Zone	11	-0.51	5	-0.49	41	-0.26	41	-0.07
Plant transfer factor for Ac	32	-0.34	24	-0.23	38	-0.28	39	-0.08
Meat transfer factor for Ac	47	0.22	50	0.10	59	-0.15	59	-0.04
Milk transfer factor for Ac	37	0.30	48	0.12	76	-0.07	76	-0.02
Fish transfer factor for Ac	33	-0.33	26	-0.23	51	0.20	51	0.05
Plant transfer factor for Am	2	-0.59	14	-0.29	81	-0.02	81	0.00
Meat transfer factor for Am	60	-0.17	51	-0.10	26	0.33	27	0.09
Milk transfer factor for Am	56	0.19	47	0.12	66	0.10	67	0.03
Fish transfer factor for Am	10	-0.51	20	-0.26	15	-0.44	15	-0.12
Plant transfer factor for Pb	31	0.35	16	0.28	60	0.15	60	0.04
Meat transfer factor for Pb	42	0.28	39	0.14	28	-0.32	28	-0.09
Milk transfer factor for Pb	69	0.10	70	0.05	27	0.33	26	0.09
Fish transfer factor for Pb	1	0.96	3	0.96	78	0.04	78	0.01
Plant transfer factor for Np	35	-0.32	40	-0.13	45	-0.23	45	-0.06
Meat transfer factor for Np	26	0.37	37	0.15	30	-0.32	30	-0.09
Milk transfer factor for Np	6	0.54	6	0.44	33	0.30	33	0.08
Fish transfer factor for Np	27	-0.37	19	-0.27	69	-0.10	69	-0.02
Plant transfer factor for Pu	8	0.52	21	0.25	12	0.46	12	0.13
Meat transfer factor for Pu	50	0.21	58	0.08	52	0.19	52	0.05
Milk transfer factor for Pu	40	0.28	44	0.13	34	-0.29	35	-0.08
Fish transfer factor for Pu	57	-0.19	64	-0.06	8	0.51	8	0.15
Plant transfer factor for Pa	85	-0.04	85	-0.02	35	0.29	36	0.08
Meat transfer factor for Pa	13	-0.48	9	-0.34	31	0.30	31	0.08
Milk transfer factor for Pa	9	-0.52	8	-0.38	24	0.34	24	0.09
Fish transfer factor for Pa	7	-0.53	25	-0.23	36	-0.29	37	-0.08
Plant transfer factor for Ra	80	-0.05	79	-0.03	4	0.64	4	0.21
Meat transfer factor for Ra	45	-0.24	46	-0.12	62	-0.12	62	-0.03
Milk transfer factor for Ra	34	-0.33	38	-0.14	72	0.08	72	0.02
Fish transfer factor for Ra	43	-0.27	55	-0.08	5	-0.59	5	-0.19
Plant transfer factor for Tc	49	0.21	54	0.09	83	0.01	82	0.00
Meat transfer factor for Tc	77	0.07	78	0.03	74	0.08	73	0.02
Milk transfer factor for Tc	71	0.10	72	0.04	57	0.16	57	0.04
Fish transfer factor for Tc	81	-0.05	81	-0.03	65	0.10	65	0.03
Plant transfer factor for Th	73	-0.10	74	-0.04	84	0.01	84	0.00
Meat transfer factor for Th	30	-0.35	10	-0.32	70	-0.10	70	-0.02
Milk transfer factor for Th	78	0.07	80	0.03	87	-0.01	86	0.00
Fish transfer factor for Th	65	0.13	71	0.04	37	0.29	34	0.08
Plant transfer factor for U	63	0.14	65	0.06	77	-0.07	77	-0.02
Meat transfer factor for U	54	-0.19	53	-0.10	73	0.08	74	0.02
Milk transfer factor for U	70	-0.10	68	-0.05	56	0.16	55	0.04
Fish transfer factor for U	52	-0.20	49	-0.10	82	0.01	83	0.00
Well pumping rate	88	0.02	88	0.01	58	0.16	58	0.04
Mass loading for inhalation	25	-0.37	30	-0.21	20	-0.39	20	-0.11
Indoor dust filtration factor	19	-0.42	27	-0.22	80	0.02	80	0.00
Depth of soil mixing layer	23	0.39	31	0.18	42	0.26	42	0.07
Depth of roots	67	-0.11	69	-0.05	63	-0.12	63	-0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	39	0.29	41	0.13	39	0.28	38	0.08
Weathering removal constant of all vegetation	48	-0.22	43	-0.13	79	-0.03	79	-0.01
Wet foliar interception fraction of leafy vegetables	12	0.48	34	0.16	88	0.00	88	0.00

R-SQUARE 0.96 0.96 0.94 0.94

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

Coefficients for peak 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	86	-0.01	86	-0.01	34	0.39	35	0.04
Kd of Ac-227 in Unsaturated Zone 1	40	0.21	47	0.17	3	0.78	3	0.13
Kd of Ac-227 in Saturated Zone	85	0.01	84	0.01	21	-0.49	21	-0.06
Kd of Am-241 in Contaminated Zone	16	-0.31	20	-0.32	85	-0.06	85	-0.01
Kd of Am-241 in Unsaturated Zone 1	19	-0.30	5	-0.62	7	-0.68	7	-0.10
Kd of Am-241 in Saturated Zone	82	0.02	76	0.06	26	-0.43	26	-0.05
Kd of Np-237 in Contaminated Zone	2	0.55	1	1.34	4	-0.78	4	-0.13
Kd of Np-237 in Unsaturated Zone 1	65	0.11	53	0.15	20	-0.50	20	-0.06
Kd of Np-237 in Saturated Zone	51	0.17	52	0.15	46	-0.33	45	-0.04
Kd of Pa-231 in Contaminated Zone	64	0.11	66	0.10	19	0.51	19	0.06
Kd of Pa-231 in Unsaturated Zone 1	68	-0.10	19	-0.35	81	-0.09	81	-0.01
Kd of Pa-231 in Saturated Zone	41	-0.21	43	-0.18	53	0.30	53	0.03
Kd of Pb-210 in Contaminated Zone	57	0.14	51	0.15	33	0.39	33	0.05
Kd of Pb-210 in Unsaturated Zone 1	29	-0.24	12	-0.41	82	0.08	82	0.01
Kd of Pb-210 in Saturated Zone	66	-0.10	57	-0.15	87	-0.05	87	-0.01
Kd of Pu-239 in Contaminated Zone	70	0.09	60	0.12	76	0.11	76	0.01
Kd of Pu-239 in Unsaturated Zone 1	18	-0.31	18	-0.35	6	0.68	6	0.10
Kd of Pu-239 in Saturated Zone	43	-0.19	39	-0.21	86	0.05	86	0.01
Kd of Ra-226 in Contaminated Zone	47	-0.19	28	-0.27	41	-0.37	41	-0.04
Kd of Ra-226 in Unsaturated Zone 1	59	0.14	49	0.16	35	0.38	38	0.04
Kd of Ra-226 in Saturated Zone	74	0.07	69	0.08	83	0.08	83	0.01
Kd of Ra-228 in Contaminated Zone	7	-0.46	2	-0.97	79	-0.10	79	-0.01
Kd of Ra-228 in Unsaturated Zone 1	71	-0.09	75	-0.06	56	0.25	56	0.03
Kd of Ra-228 in Saturated Zone	80	0.02	81	0.03	74	0.13	74	0.01
Kd of Tc-99 in Saturated Zone	33	-0.24	37	-0.21	51	-0.31	51	-0.03
Kd of Th-228 in Contaminated Zone	77	-0.06	80	-0.03	67	0.19	67	0.02
Kd of Th-228 in Unsaturated Zone 1	11	0.37	4	0.76	36	0.38	34	0.04
Kd of Th-228 in Saturated Zone	55	0.15	31	0.24	17	-0.54	17	-0.07
Kd of Th-229 in Contaminated Zone	9	0.38	24	0.31	13	-0.60	13	-0.08
Kd of Th-229 in Unsaturated Zone 1	89	0.00	89	0.00	77	0.11	77	0.01
Kd of Th-229 in Saturated Zone	31	0.24	46	0.17	55	-0.27	55	-0.03
Kd of Th-230 in Contaminated Zone	52	-0.16	44	-0.18	31	-0.40	32	-0.05
Kd of Th-230 in Unsaturated Zone 1	20	0.29	10	0.43	25	-0.45	25	-0.05
Kd of Th-230 in Saturated Zone	39	-0.22	38	-0.21	37	0.38	36	0.04
Kd of Th-232 in Contaminated Zone	10	0.37	16	0.36	40	0.37	40	0.04
Kd of Th-232 in Unsaturated Zone 1	27	0.24	23	0.31	84	0.07	84	0.01
Kd of Th-232 in Saturated Zone	37	0.22	40	0.20	52	0.31	52	0.03
Kd of U-233 in Saturated Zone	73	-0.08	74	-0.07	88	0.05	88	0.00
Kd of U-234 in Saturated Zone	61	0.11	25	0.28	63	-0.20	65	-0.02
Kd of U-235 in Saturated Zone	26	-0.26	15	-0.38	29	-0.41	29	-0.05
Kd of U-238 in Saturated Zone	1	-0.64	3	-0.95	14	-0.59	14	-0.08
Plant transfer factor for Ac	50	-0.17	58	-0.14	18	0.52	18	0.07
Meat transfer factor for Ac	5	-0.51	9	-0.46	89	0.02	89	0.00
Milk transfer factor for Ac	81	0.02	82	0.02	32	-0.40	30	-0.05
Fish transfer factor for Ac	24	0.28	26	0.28	64	0.20	64	0.02
Plant transfer factor for Am	3	0.53	8	0.46	2	0.98	2	0.48
Meat transfer factor for Am	44	0.19	30	0.25	23	0.46	23	0.06
Milk transfer factor for Am	22	0.28	27	0.27	70	0.16	70	0.02
Fish transfer factor for Am	48	-0.17	41	-0.19	78	0.11	78	0.01
Plant transfer factor for Pb	84	0.01	83	0.02	59	-0.23	59	-0.03
Meat transfer factor for Pb	49	0.17	62	0.12	43	-0.34	43	-0.04
Milk transfer factor for Pb	32	-0.24	33	-0.23	75	0.12	75	0.01
Fish transfer factor for Pb	53	0.16	59	0.13	15	-0.57	15	-0.08
Plant transfer factor for Np	79	0.04	79	0.03	71	-0.15	71	-0.02
Meat transfer factor for Np	78	-0.06	78	-0.04	8	0.65	8	0.09
Milk transfer factor for Np	46	0.19	54	0.15	11	-0.63	11	-0.09
Fish transfer factor for Np	14	0.36	6	0.60	45	0.33	46	0.04
Plant transfer factor for Pu	67	0.10	70	0.08	58	-0.24	57	-0.03
Meat transfer factor for Pu	38	-0.22	55	-0.15	80	-0.10	80	-0.01
Milk transfer factor for Pu	25	-0.27	32	-0.24	62	0.22	62	0.02
Fish transfer factor for Pu	23	-0.28	45	-0.18	30	0.41	31	0.05
Plant transfer factor for Pa	30	-0.24	29	-0.25	16	-0.54	16	-0.07
Meat transfer factor for Pa	17	0.31	36	0.21	47	0.32	47	0.04
Milk transfer factor for Pa	76	-0.07	77	-0.06	73	-0.14	73	-0.02
Fish transfer factor for Pa	35	0.23	22	0.32	28	0.41	28	0.05
Plant transfer factor for Ra	58	-0.14	61	-0.12	44	-0.34	42	-0.04
Meat transfer factor for Ra	6	-0.47	7	-0.59	10	0.63	10	0.09
Milk transfer factor for Ra	45	0.19	48	0.16	66	-0.20	66	-0.02
Fish transfer factor for Ra	75	0.07	64	0.11	68	-0.19	68	-0.02
Plant transfer factor for Tc	87	-0.01	87	0.00	9	0.63	9	0.09
Meat transfer factor for Tc	13	0.36	17	0.36	69	0.18	69	0.02
Milk transfer factor for Tc	62	-0.11	68	-0.09	38	-0.38	37	-0.04
Fish transfer factor for Tc	88	0.00	88	0.00	60	0.23	61	0.02
Plant transfer factor for Th	12	-0.37	21	-0.32	61	0.22	60	0.02
Meat transfer factor for Th	36	-0.22	35	-0.22	12	0.61	12	0.08
Milk transfer factor for Th	54	-0.16	63	-0.11	72	-0.15	72	-0.02
Fish transfer factor for Th	72	0.08	73	0.07	5	-0.74	5	-0.12
Plant transfer factor for U	63	-0.11	72	-0.07	42	0.35	44	0.04
Meat transfer factor for U	42	0.20	56	0.15	24	0.46	24	0.06
Milk transfer factor for U	69	0.10	71	0.08	39	0.37	39	0.04
Fish transfer factor for U	21	0.29	34	0.22	54	0.29	54	0.03
Well pumping rate	28	0.24	42	0.19	27	-0.42	27	-0.05
Mass loading for inhalation	34	0.23	50	0.16	65	-0.20	63	-0.02
Indoor dust filtration factor	56	-0.14	65	-0.11	57	0.24	58	0.03
Depth of soil mixing layer	83	-0.01	85	-0.01	49	-0.31	49	-0.04
Depth of roots	4	0.51	14	0.38	1	0.99	1	0.72
Wet weight crop yield of fruit, grain and non-leafy vegetables	60	0.13	67	0.09	48	0.32	48	0.04
Weathering removal constant of all vegetation	8	0.38	13	0.39	22	0.48	22	0.06
Wet foliar interception fraction of leafy vegetables	15	0.33	11	0.42	50	-0.31	50	-0.04

R-SQUARE 0.87 0.87 0.99 0.99

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

Coefficients for peak Am-241 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	6	-0.65	5	-0.73	72	-0.10	72	-0.01
Kd of Ac-227 in Unsaturated Zone 1	34	-0.26	24	-0.21	81	0.05	83	0.01
Kd of Ac-227 in Saturated Zone	49	0.18	63	0.07	24	0.38	25	0.05
Kd of Am-241 in Contaminated Zone	7	-0.55	14	-0.32	14	-0.47	14	-0.07
Kd of Am-241 in Unsaturated Zone 1	65	0.12	18	0.28	5	-0.69	5	-0.12
Kd of Am-241 in Saturated Zone	68	-0.10	58	-0.08	6	-0.67	6	-0.11
Kd of Np-237 in Contaminated Zone	10	-0.53	11	-0.41	65	-0.13	65	-0.02
Kd of Np-237 in Unsaturated Zone 1	28	-0.29	36	-0.14	7	-0.65	7	-0.11
Kd of Np-237 in Saturated Zone	80	0.04	73	0.04	78	-0.05	78	-0.01
Kd of Pa-231 in Contaminated Zone	39	0.24	39	0.14	49	-0.21	49	-0.03
Kd of Pa-231 in Unsaturated Zone 1	76	0.06	76	0.03	52	0.20	52	0.03
Kd of Pa-231 in Saturated Zone	20	0.34	31	0.18	80	0.05	80	0.01
Kd of Pb-210 in Contaminated Zone	14	0.46	4	0.82	69	0.10	69	0.01
Kd of Pb-210 in Unsaturated Zone 1	83	0.03	80	0.02	87	0.04	87	0.00
Kd of Pb-210 in Saturated Zone	74	-0.06	75	-0.03	35	0.29	37	0.04
Kd of Pu-239 in Contaminated Zone	36	0.26	38	0.14	23	0.38	23	0.05
Kd of Pu-239 in Unsaturated Zone 1	40	0.23	29	0.19	42	0.26	42	0.03
Kd of Pu-239 in Saturated Zone	27	-0.30	10	-0.42	53	0.19	53	0.02
Kd of Ra-226 in Contaminated Zone	26	-0.30	33	-0.15	9	-0.57	10	-0.09
Kd of Ra-226 in Unsaturated Zone 1	29	0.29	30	0.19	88	0.03	88	0.00
Kd of Ra-226 in Saturated Zone	1	0.77	1	2.13	58	-0.18	59	-0.02
Kd of Ra-228 in Contaminated Zone	48	-0.19	9	-0.44	43	-0.24	44	-0.03
Kd of Ra-228 in Unsaturated Zone 1	35	-0.26	34	-0.14	46	-0.23	46	-0.03
Kd of Ra-228 in Saturated Zone	72	0.07	70	0.05	71	-0.10	71	-0.01
Kd of Tc-99 in Saturated Zone	9	0.53	7	0.57	61	0.16	61	0.02
Kd of Th-228 in Contaminated Zone	58	0.14	60	0.07	57	0.18	57	0.02
Kd of Th-228 in Unsaturated Zone 1	71	0.08	72	0.04	51	-0.21	51	-0.03
Kd of Th-228 in Saturated Zone	41	0.23	43	0.12	55	-0.19	55	-0.02
Kd of Th-229 in Contaminated Zone	16	-0.40	20	-0.27	76	-0.07	76	-0.01
Kd of Th-229 in Unsaturated Zone 1	78	-0.05	81	-0.02	68	-0.12	68	-0.02
Kd of Th-229 in Saturated Zone	11	-0.52	3	-1.08	17	0.43	17	0.06
Kd of Th-230 in Contaminated Zone	87	0.02	82	0.02	44	-0.24	43	-0.03
Kd of Th-230 in Unsaturated Zone 1	19	-0.35	12	-0.35	20	-0.39	21	-0.05
Kd of Th-230 in Saturated Zone	2	-0.74	2	-1.81	15	-0.45	16	-0.06
Kd of Th-232 in Contaminated Zone	22	0.33	28	0.20	67	-0.13	67	-0.02
Kd of Th-232 in Unsaturated Zone 1	53	-0.17	62	-0.07	85	-0.04	84	-0.01
Kd of Th-232 in Saturated Zone	17	-0.39	17	-0.28	86	0.04	86	0.01
Kd of U-233 in Saturated Zone	5	0.65	8	0.56	37	0.28	36	0.04
Kd of U-234 in Saturated Zone	3	0.69	6	0.67	33	0.30	31	0.04
Kd of U-235 in Saturated Zone	67	0.11	64	0.06	16	-0.45	15	-0.06
Kd of U-238 in Saturated Zone	52	0.17	22	0.25	31	0.30	32	0.04
Plant transfer factor for Ac	13	-0.49	19	-0.27	89	0.00	89	0.00
Meat transfer factor for Ac	47	-0.19	45	-0.11	41	-0.26	41	-0.03
Milk transfer factor for Ac	8	-0.54	13	-0.33	22	-0.38	22	-0.05
Fish transfer factor for Ac	57	0.15	55	0.09	73	0.08	73	0.01
Plant transfer factor for Am	77	0.05	79	0.03	2	0.97	2	0.51
Meat transfer factor for Am	60	0.14	59	0.08	29	0.34	29	0.05
Milk transfer factor for Am	33	0.26	42	0.13	45	-0.23	45	-0.03
Fish transfer factor for Am	70	0.09	68	0.06	4	0.73	4	0.13
Plant transfer factor for Pb	46	0.20	37	0.14	60	0.17	60	0.02
Meat transfer factor for Pb	12	-0.49	21	-0.26	38	0.28	38	0.04
Milk transfer factor for Pb	86	0.03	87	0.01	39	0.27	39	0.04
Fish transfer factor for Pb	63	0.12	69	0.05	70	-0.10	70	-0.01
Plant transfer factor for Np	64	-0.12	49	-0.10	10	-0.57	9	-0.09
Meat transfer factor for Np	69	0.10	71	0.05	79	0.05	79	0.01
Milk transfer factor for Np	51	-0.18	56	-0.09	82	0.05	81	0.01
Fish transfer factor for Np	32	0.27	27	0.20	50	0.21	50	0.03
Plant transfer factor for Pu	89	0.01	89	0.01	34	-0.29	34	-0.04
Meat transfer factor for Pu	44	0.21	54	0.09	30	-0.31	33	-0.04
Milk transfer factor for Pu	62	-0.13	67	-0.06	19	-0.41	19	-0.06
Fish transfer factor for Pu	18	-0.36	25	-0.21	11	0.52	11	0.08
Plant transfer factor for Pa	15	0.41	15	0.32	47	0.23	47	0.03
Meat transfer factor for Pa	75	-0.06	78	-0.03	64	0.13	64	0.02
Milk transfer factor for Pa	43	-0.22	53	-0.09	66	-0.13	66	-0.02
Fish transfer factor for Pa	50	0.18	48	0.10	12	-0.51	12	-0.08
Plant transfer factor for Ra	38	0.25	47	0.10	27	0.36	27	0.05
Meat transfer factor for Ra	21	0.33	26	0.21	40	0.27	40	0.03
Milk transfer factor for Ra	37	0.26	44	0.12	26	-0.37	26	-0.05
Fish transfer factor for Ra	23	0.31	35	0.14	84	-0.04	85	-0.01
Plant transfer factor for Tc	24	-0.31	23	-0.24	62	-0.15	62	-0.02
Meat transfer factor for Tc	42	0.23	46	0.11	56	-0.18	56	-0.02
Milk transfer factor for Tc	45	-0.21	57	-0.08	54	-0.19	54	-0.02
Fish transfer factor for Tc	61	0.14	50	0.10	48	0.22	48	0.03
Plant transfer factor for Th	55	0.16	52	0.10	28	0.35	28	0.05
Meat transfer factor for Th	85	0.03	86	0.01	25	0.37	24	0.05
Milk transfer factor for Th	54	-0.16	51	-0.10	21	0.39	20	0.05
Fish transfer factor for Th	73	0.07	74	0.04	63	-0.14	63	-0.02
Plant transfer factor for U	84	0.03	84	0.02	75	-0.07	75	-0.01
Meat transfer factor for U	81	0.04	85	0.01	77	-0.06	77	-0.01
Milk transfer factor for U	56	0.16	66	0.06	3	0.77	3	0.15
Fish transfer factor for U	88	0.02	88	0.01	36	0.28	35	0.04
Well pumping rate	66	-0.12	65	-0.06	8	0.63	8	0.10
Mass loading for inhalation	4	0.67	16	0.31	13	0.48	13	0.07
Indoor dust filtration factor	59	-0.14	61	-0.07	18	0.43	18	0.06
Depth of soil mixing layer	30	0.29	40	0.13	59	0.18	58	0.02
Depth of roots	79	0.05	77	0.03	1	0.99	1	0.74
Wet weight crop yield of fruit, grain and non-leafy vegetables	82	-0.03	83	-0.02	74	0.07	74	0.01
Weathering removal constant of all vegetation	25	-0.30	32	-0.17	32	-0.30	30	-0.04
Wet foliar interception fraction of leafy vegetables	31	-0.27	41	-0.13	83	-0.05	82	-0.01

R-SQUARE 0.94 0.94 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	9	0.45	27	0.14	56	0.19	56	0.03
Kd of Ac-227 in Unsaturated Zone 1	63	0.12	65	0.05	24	0.34	24	0.06
Kd of Ac-227 in Saturated Zone	40	0.24	37	0.11	39	-0.26	39	-0.04
Kd of Am-241 in Contaminated Zone	53	-0.18	53	-0.07	42	-0.24	42	-0.04
Kd of Am-241 in Unsaturated Zone 1	59	-0.15	2	-3.94	23	-0.34	23	-0.06
Kd of Am-241 in Saturated Zone	21	-0.36	36	-0.12	15	0.44	15	0.08
Kd of Np-237 in Contaminated Zone	24	-0.34	41	-0.11	53	-0.20	53	-0.03
Kd of Np-237 in Unsaturated Zone 1	48	-0.21	47	-0.10	7	-0.56	7	-0.11
Kd of Np-237 in Saturated Zone	25	0.34	22	0.16	6	-0.57	5	-0.11
Kd of Pa-231 in Contaminated Zone	22	-0.34	35	-0.12	75	-0.08	75	-0.01
Kd of Pa-231 in Unsaturated Zone 1	29	-0.29	20	-0.18	49	0.22	49	0.04
Kd of Pa-231 in Saturated Zone	20	-0.37	16	-0.21	40	-0.25	41	-0.04
Kd of Pb-210 in Contaminated Zone	23	0.34	32	0.12	50	0.21	50	0.03
Kd of Pb-210 in Unsaturated Zone 1	10	-0.44	6	-0.36	59	0.18	59	0.03
Kd of Pb-210 in Saturated Zone	78	0.04	77	0.02	82	-0.02	82	0.00
Kd of Pu-239 in Contaminated Zone	6	-0.50	10	-0.28	62	-0.14	62	-0.02
Kd of Pu-239 in Unsaturated Zone 1	76	-0.05	79	-0.02	44	0.24	45	0.04
Kd of Pu-239 in Saturated Zone	77	0.05	78	0.02	83	0.02	84	0.00
Kd of Ra-226 in Contaminated Zone	36	-0.27	46	-0.10	73	-0.09	74	-0.01
Kd of Ra-226 in Unsaturated Zone 1	55	-0.17	55	-0.07	86	-0.01	86	0.00
Kd of Ra-226 in Saturated Zone	67	0.11	66	0.05	12	0.48	12	0.09
Kd of Ra-228 in Contaminated Zone	28	0.31	31	0.13	20	-0.42	20	-0.07
Kd of Ra-228 in Unsaturated Zone 1	34	-0.28	18	-0.20	25	-0.33	25	-0.06
Kd of Ra-228 in Saturated Zone	33	0.28	42	0.11	26	0.33	26	0.06
Kd of Tc-99 in Saturated Zone	50	-0.20	60	-0.06	63	-0.14	65	-0.02
Kd of Th-228 in Contaminated Zone	30	-0.29	39	-0.11	10	0.51	10	0.09
Kd of Th-228 in Unsaturated Zone 1	19	-0.37	7	-0.31	41	0.25	40	0.04
Kd of Th-228 in Saturated Zone	81	-0.03	82	-0.01	80	0.03	80	0.01
Kd of Th-229 in Contaminated Zone	12	-0.44	21	-0.17	46	-0.23	46	-0.04
Kd of Th-229 in Unsaturated Zone 1	51	0.19	54	0.07	84	-0.02	83	0.00
Kd of Th-229 in Saturated Zone	54	-0.18	50	-0.09	68	-0.12	68	-0.02
Kd of Th-230 in Contaminated Zone	68	0.09	68	0.04	81	0.02	81	0.00
Kd of Th-230 in Unsaturated Zone 1	66	0.11	70	0.04	47	0.22	47	0.04
Kd of Th-230 in Saturated Zone	85	0.01	83	0.01	38	0.27	38	0.04
Kd of Th-232 in Contaminated Zone	17	0.38	17	0.21	11	-0.49	11	-0.09
Kd of Th-232 in Unsaturated Zone 1	56	0.16	1	4.20	72	0.09	71	0.02
Kd of Th-232 in Saturated Zone	83	0.02	85	0.01	35	0.29	35	0.05
Kd of U-233 in Saturated Zone	35	-0.27	38	-0.11	77	0.07	77	0.01
Kd of U-234 in Saturated Zone	65	-0.12	61	-0.06	29	-0.31	29	-0.05
Kd of U-235 in Saturated Zone	79	-0.04	72	-0.03	8	0.53	8	0.10
Kd of U-238 in Saturated Zone	86	0.01	84	0.01	60	-0.16	60	-0.03
Plant transfer factor for Ac	64	-0.12	52	-0.07	43	-0.24	43	-0.04
Meat transfer factor for Ac	39	-0.25	40	-0.11	79	-0.04	79	-0.01
Milk transfer factor for Ac	73	-0.07	75	-0.02	36	-0.28	36	-0.05
Fish transfer factor for Ac	47	0.22	28	0.13	48	-0.22	48	-0.04
Plant transfer factor for Am	4	0.61	11	0.28	2	0.95	2	0.50
Meat transfer factor for Am	3	0.64	4	0.44	16	0.44	16	0.08
Milk transfer factor for Am	80	0.03	80	0.02	14	-0.44	14	-0.08
Fish transfer factor for Am	27	0.31	30	0.13	51	-0.21	52	-0.03
Plant transfer factor for Pb	16	-0.38	8	-0.28	52	-0.21	51	-0.03
Meat transfer factor for Pb	5	0.51	14	0.25	18	0.43	17	0.08
Milk transfer factor for Pb	58	0.16	57	0.06	32	0.30	30	0.05
Fish transfer factor for Pb	88	-0.01	88	0.00	22	0.35	22	0.06
Plant transfer factor for Np	75	-0.06	76	-0.02	78	-0.06	78	-0.01
Meat transfer factor for Np	1	0.80	3	0.45	5	0.58	6	0.11
Milk transfer factor for Np	82	-0.02	81	-0.01	89	0.00	89	0.00
Fish transfer factor for Np	74	-0.06	69	-0.04	3	0.77	3	0.19
Plant transfer factor for Pu	89	0.00	89	0.00	64	-0.14	63	-0.02
Meat transfer factor for Pu	32	0.28	49	0.10	34	-0.29	34	-0.05
Milk transfer factor for Pu	57	0.16	58	0.06	87	0.01	87	0.00
Fish transfer factor for Pu	7	-0.46	26	-0.14	66	0.13	66	0.02
Plant transfer factor for Pa	15	0.42	23	0.16	88	0.01	88	0.00
Meat transfer factor for Pa	13	0.43	9	0.28	9	0.51	9	0.09
Milk transfer factor for Pa	14	0.42	12	0.27	54	-0.20	55	-0.03
Fish transfer factor for Pa	49	0.20	56	0.07	57	-0.18	58	-0.03
Plant transfer factor for Ra	43	0.23	29	0.13	71	-0.09	72	-0.01
Meat transfer factor for Ra	42	0.23	43	0.11	76	-0.07	76	-0.01
Milk transfer factor for Ra	69	0.09	71	0.03	55	-0.20	54	-0.03
Fish transfer factor for Ra	84	-0.02	86	0.00	45	-0.23	44	-0.04
Plant transfer factor for Tc	62	-0.13	64	-0.05	61	-0.15	61	-0.02
Meat transfer factor for Tc	87	-0.01	87	0.00	65	-0.13	64	-0.02
Milk transfer factor for Tc	61	-0.14	63	-0.05	19	-0.42	19	-0.07
Fish transfer factor for Tc	8	0.45	13	0.26	67	0.13	67	0.02
Plant transfer factor for Th	38	-0.25	48	-0.10	70	-0.10	70	-0.02
Meat transfer factor for Th	41	-0.24	19	-0.19	37	-0.28	37	-0.05
Milk transfer factor for Th	31	0.29	34	0.12	58	0.18	57	0.03
Fish transfer factor for Th	70	0.09	74	0.03	85	0.02	85	0.00
Plant transfer factor for U	18	0.38	25	0.15	21	0.38	21	0.06
Meat transfer factor for U	44	0.23	44	0.10	69	0.12	69	0.02
Milk transfer factor for U	11	0.44	15	0.21	4	0.58	4	0.11
Fish transfer factor for U	37	-0.26	33	-0.12	33	-0.29	33	-0.05
Well pumping rate	71	0.09	73	0.03	27	0.33	27	0.05
Mass loading for inhalation	26	-0.32	24	-0.16	28	-0.31	28	-0.05
Indoor dust filtration factor	46	0.22	45	0.10	30	0.30	31	0.05
Depth of soil mixing layer	60	-0.15	62	-0.06	17	0.43	18	0.08
Depth of roots	2	0.75	5	0.42	1	0.98	1	0.70
Wet weight crop yield of fruit, grain and non-leafy vegetables	52	0.19	51	0.08	74	-0.09	73	-0.01
Weathering removal constant of all vegetation	72	0.08	67	0.04	31	-0.30	32	-0.05
Wet foliar interception fraction of leafy vegetables	45	-0.23	59	-0.06	13	-0.45	13	-0.08

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 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	61	0.16	65	0.04	73	0.07	73	0.02
Kd of Ac-227 in Unsaturated Zone 1	43	0.28	48	0.08	81	-0.03	81	-0.01
Kd of Ac-227 in Saturated Zone	1	0.88	1	0.69	40	-0.23	41	-0.05
Kd of Am-241 in Contaminated Zone	12	-0.49	19	-0.20	83	0.03	83	0.01
Kd of Am-241 in Unsaturated Zone 1	27	0.36	7	0.28	31	-0.27	31	-0.07
Kd of Am-241 in Saturated Zone	72	0.09	30	0.12	26	0.32	26	0.08
Kd of Np-237 in Contaminated Zone	81	0.03	77	0.02	2	-0.79	2	-0.29
Kd of Np-237 in Unsaturated Zone 1	9	-0.53	4	-0.32	1	-0.94	1	-0.64
Kd of Np-237 in Saturated Zone	57	-0.20	57	-0.07	3	-0.75	3	-0.27
Kd of Pa-231 in Contaminated Zone	15	0.45	24	0.16	57	0.16	57	0.04
Kd of Pa-231 in Unsaturated Zone 1	54	-0.21	8	-0.28	33	0.26	33	0.06
Kd of Pa-231 in Saturated Zone	5	0.62	11	0.25	48	-0.19	50	-0.05
Kd of Pb-210 in Contaminated Zone	78	0.04	80	0.02	5	-0.61	5	-0.18
Kd of Pb-210 in Unsaturated Zone 1	16	0.44	5	0.29	66	-0.12	66	-0.03
Kd of Pb-210 in Saturated Zone	85	0.02	82	0.01	82	-0.03	82	-0.01
Kd of Pu-239 in Contaminated Zone	69	-0.10	64	-0.05	78	0.05	78	0.01
Kd of Pu-239 in Unsaturated Zone 1	2	0.80	2	0.53	41	0.22	40	0.05
Kd of Pu-239 in Saturated Zone	60	0.19	49	0.07	11	-0.45	11	-0.12
Kd of Ra-226 in Contaminated Zone	63	-0.14	51	-0.07	24	-0.36	24	-0.09
Kd of Ra-226 in Unsaturated Zone 1	25	0.39	23	0.17	84	-0.02	84	0.00
Kd of Ra-226 in Saturated Zone	51	-0.24	39	-0.10	59	-0.15	59	-0.04
Kd of Ra-228 in Contaminated Zone	74	-0.06	68	-0.04	51	-0.19	52	-0.04
Kd of Ra-228 in Unsaturated Zone 1	56	0.20	63	0.06	69	0.10	69	0.02
Kd of Ra-228 in Saturated Zone	26	-0.38	21	-0.18	86	-0.02	86	0.00
Kd of Tc-99 in Saturated Zone	3	-0.67	6	-0.28	36	0.25	36	0.06
Kd of Th-228 in Contaminated Zone	59	0.20	66	0.04	77	0.05	77	0.01
Kd of Th-228 in Unsaturated Zone 1	29	-0.36	9	-0.26	18	-0.39	18	-0.10
Kd of Th-228 in Saturated Zone	75	-0.05	70	-0.03	79	-0.05	79	-0.01
Kd of Th-229 in Contaminated Zone	68	-0.11	71	-0.03	65	-0.13	65	-0.03
Kd of Th-229 in Unsaturated Zone 1	53	-0.22	26	-0.16	4	0.63	4	0.19
Kd of Th-229 in Saturated Zone	33	0.31	46	0.08	29	0.31	29	0.08
Kd of Th-230 in Contaminated Zone	88	0.01	87	0.00	50	-0.19	51	-0.05
Kd of Th-230 in Unsaturated Zone 1	62	0.14	50	0.07	68	-0.11	68	-0.02
Kd of Th-230 in Saturated Zone	34	-0.30	34	-0.11	25	-0.35	25	-0.09
Kd of Th-232 in Contaminated Zone	58	0.20	55	0.07	53	0.18	55	0.04
Kd of Th-232 in Unsaturated Zone 1	52	0.22	37	0.10	21	0.38	21	0.10
Kd of Th-232 in Saturated Zone	7	0.58	15	0.22	70	0.10	70	0.02
Kd of U-233 in Saturated Zone	31	0.34	32	0.11	28	0.31	27	0.08
Kd of U-234 in Saturated Zone	22	0.40	3	0.40	15	0.41	15	0.10
Kd of U-235 in Saturated Zone	76	-0.05	75	-0.03	56	0.17	56	0.04
Kd of U-238 in Saturated Zone	79	0.04	79	0.02	64	0.14	64	0.03
Plant transfer factor for Ac	84	0.02	85	0.01	13	-0.42	13	-0.11
Meat transfer factor for Ac	64	-0.14	67	-0.04	80	0.04	80	0.01
Milk transfer factor for Ac	73	0.06	74	0.03	43	0.22	43	0.05
Fish transfer factor for Ac	44	0.26	44	0.09	35	0.25	34	0.06
Plant transfer factor for Am	40	0.29	47	0.08	63	-0.14	63	-0.03
Meat transfer factor for Am	13	0.46	12	0.24	9	0.51	9	0.14
Milk transfer factor for Am	17	0.43	25	0.16	75	0.07	75	0.02
Fish transfer factor for Am	89	-0.01	89	0.00	14	-0.41	14	-0.11
Plant transfer factor for Pb	65	-0.13	61	-0.06	17	0.40	17	0.10
Meat transfer factor for Pb	47	-0.25	58	-0.06	22	-0.37	22	-0.09
Milk transfer factor for Pb	32	-0.32	31	-0.12	85	-0.02	85	0.00
Fish transfer factor for Pb	42	-0.29	45	-0.09	6	-0.59	6	-0.17
Plant transfer factor for Np	36	0.30	38	0.10	88	0.01	88	0.00
Meat transfer factor for Np	55	0.21	62	0.06	34	-0.25	35	-0.06
Milk transfer factor for Np	10	0.53	22	0.18	39	-0.24	39	-0.06
Fish transfer factor for Np	19	0.41	10	0.26	12	0.43	12	0.11
Plant transfer factor for Pu	71	0.10	73	0.03	23	-0.37	23	-0.09
Meat transfer factor for Pu	46	0.25	59	0.06	54	-0.18	54	-0.04
Milk transfer factor for Pu	86	0.01	86	0.00	72	-0.09	72	-0.02
Fish transfer factor for Pu	24	-0.39	41	-0.10	87	0.02	87	0.00
Plant transfer factor for Pa	80	-0.04	81	-0.01	62	0.14	62	0.03
Meat transfer factor for Pa	70	-0.10	76	-0.02	71	-0.10	71	-0.02
Milk transfer factor for Pa	14	-0.46	27	-0.15	58	-0.15	58	-0.04
Fish transfer factor for Pa	23	-0.39	18	-0.21	16	-0.40	16	-0.10
Plant transfer factor for Ra	8	-0.57	17	-0.22	52	-0.19	49	-0.05
Meat transfer factor for Ra	77	0.04	78	0.02	74	-0.07	74	-0.02
Milk transfer factor for Ra	20	-0.41	28	-0.14	30	0.29	30	0.07
Fish transfer factor for Ra	21	0.40	13	0.23	61	-0.15	61	-0.03
Plant transfer factor for Tc	41	-0.29	42	-0.09	49	0.19	48	0.05
Meat transfer factor for Tc	35	0.30	35	0.11	60	0.15	60	0.04
Milk transfer factor for Tc	28	-0.36	33	-0.11	19	-0.39	19	-0.10
Fish transfer factor for Tc	18	-0.43	29	-0.13	7	-0.53	7	-0.14
Plant transfer factor for Th	6	-0.61	14	-0.23	42	-0.22	42	-0.05
Meat transfer factor for Th	39	-0.29	36	-0.11	67	-0.11	67	-0.03
Milk transfer factor for Th	30	0.35	40	0.10	27	0.31	28	0.08
Fish transfer factor for Th	37	-0.30	43	-0.09	38	-0.24	38	-0.06
Plant transfer factor for U	67	0.12	72	0.03	45	-0.20	46	-0.05
Meat transfer factor for U	4	0.64	16	0.22	32	-0.27	32	-0.07
Milk transfer factor for U	50	-0.24	53	-0.07	46	0.20	45	0.05
Fish transfer factor for U	82	0.02	84	0.01	37	-0.25	37	-0.06
Well pumping rate	48	0.25	54	0.07	55	0.18	53	0.04
Mass loading for inhalation	45	-0.25	60	-0.06	20	0.38	20	0.10
Indoor dust filtration factor	49	0.24	56	0.07	10	0.50	10	0.13
Depth of soil mixing layer	87	0.01	88	0.00	44	0.21	44	0.05
Depth of roots	38	-0.30	52	-0.07	47	0.20	47	0.05
Wet weight crop yield of fruit, grain and non-leafy vegetables	66	-0.12	69	-0.03	89	0.01	89	0.00
Weathering removal constant of all vegetation	11	0.50	20	0.20	76	0.06	76	0.01
Wet foliar interception fraction of leafy vegetables	83	-0.02	83	-0.01	8	-0.53	8	-0.14

R-SQUARE 0.98 0.98 0.95 0.95

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

Coefficients for peak Np-237 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	52	-0.17	39	-0.14	12	0.60	12	0.12
Kd of Ac-227 in Unsaturated Zone 1	59	-0.13	51	-0.09	77	0.07	77	0.01
Kd of Ac-227 in Saturated Zone	16	-0.51	34	-0.19	68	0.10	68	0.02
Kd of Am-241 in Contaminated Zone	66	0.07	68	0.03	45	-0.28	46	-0.05
Kd of Am-241 in Unsaturated Zone 1	26	0.43	1	1.01	32	-0.40	32	-0.07
Kd of Am-241 in Saturated Zone	35	-0.33	23	-0.26	54	-0.23	54	-0.04
Kd of Np-237 in Contaminated Zone	6	-0.62	11	-0.47	3	-0.89	3	-0.32
Kd of Np-237 in Unsaturated Zone 1	54	-0.16	59	-0.06	1	-0.96	1	-0.57
Kd of Np-237 in Saturated Zone	18	-0.50	9	-0.49	2	-0.89	2	-0.33
Kd of Pa-231 in Contaminated Zone	83	0.02	84	0.01	82	-0.05	82	-0.01
Kd of Pa-231 in Unsaturated Zone 1	73	-0.04	74	-0.02	73	-0.08	73	-0.01
Kd of Pa-231 in Saturated Zone	1	0.77	7	0.56	49	0.25	49	0.04
Kd of Pb-210 in Contaminated Zone	19	0.50	5	0.81	42	0.32	40	0.06
Kd of Pb-210 in Unsaturated Zone 1	7	-0.61	10	-0.47	53	0.24	53	0.04
Kd of Pb-210 in Saturated Zone	42	-0.24	45	-0.11	24	-0.47	24	-0.09
Kd of Pu-239 in Contaminated Zone	23	-0.46	25	-0.24	7	-0.63	7	-0.13
Kd of Pu-239 in Unsaturated Zone 1	81	0.02	77	0.02	71	-0.08	72	-0.01
Kd of Pu-239 in Saturated Zone	74	0.04	64	0.05	51	0.24	51	0.04
Kd of Ra-226 in Contaminated Zone	12	0.53	21	0.27	50	-0.25	50	-0.04
Kd of Ra-226 in Unsaturated Zone 1	5	0.63	12	0.46	40	-0.32	41	-0.06
Kd of Ra-226 in Saturated Zone	14	0.52	3	0.96	19	0.53	19	0.10
Kd of Ra-228 in Contaminated Zone	25	-0.44	2	-1.00	86	-0.02	86	0.00
Kd of Ra-228 in Unsaturated Zone 1	13	0.52	19	0.29	88	0.01	88	0.00
Kd of Ra-228 in Saturated Zone	15	0.52	14	0.40	29	-0.42	30	-0.08
Kd of Tc-99 in Saturated Zone	82	0.02	75	0.02	56	0.22	55	0.04
Kd of Th-228 in Contaminated Zone	28	0.42	30	0.21	46	0.27	45	0.05
Kd of Th-228 in Unsaturated Zone 1	22	-0.47	20	-0.28	81	-0.05	81	-0.01
Kd of Th-228 in Saturated Zone	79	0.03	80	0.01	25	0.47	25	0.09
Kd of Th-229 in Contaminated Zone	53	0.16	52	0.09	63	-0.16	63	-0.03
Kd of Th-229 in Unsaturated Zone 1	84	-0.02	88	-0.01	66	0.13	66	0.02
Kd of Th-229 in Saturated Zone	32	-0.35	6	-0.59	39	0.32	39	0.06
Kd of Th-230 in Contaminated Zone	46	0.22	33	0.19	37	0.35	37	0.06
Kd of Th-230 in Unsaturated Zone 1	30	-0.40	15	-0.37	76	0.07	76	0.01
Kd of Th-230 in Saturated Zone	20	-0.49	4	-0.82	55	-0.22	56	-0.04
Kd of Th-232 in Contaminated Zone	80	0.02	82	0.01	67	-0.11	67	-0.02
Kd of Th-232 in Unsaturated Zone 1	49	-0.21	58	-0.07	61	-0.17	61	-0.03
Kd of Th-232 in Saturated Zone	55	-0.16	49	-0.09	33	0.39	33	0.07
Kd of U-233 in Saturated Zone	47	0.22	40	0.13	75	-0.07	75	-0.01
Kd of U-234 in Saturated Zone	41	-0.24	36	-0.16	31	-0.41	31	-0.07
Kd of U-235 in Saturated Zone	56	-0.15	57	-0.08	18	-0.54	18	-0.10
Kd of U-238 in Saturated Zone	72	0.04	61	0.06	28	-0.43	28	-0.08
Plant transfer factor for Ac	36	0.31	37	0.14	80	0.05	80	0.01
Meat transfer factor for Ac	24	-0.45	22	-0.26	47	-0.26	47	-0.05
Milk transfer factor for Ac	50	-0.20	50	-0.09	72	0.08	71	0.01
Fish transfer factor for Ac	71	-0.05	71	-0.03	79	-0.06	79	-0.01
Plant transfer factor for Am	67	0.06	69	0.03	20	0.51	20	0.10
Meat transfer factor for Am	43	0.24	42	0.13	17	-0.55	17	-0.11
Milk transfer factor for Am	27	-0.43	32	-0.20	85	-0.02	85	0.00
Fish transfer factor for Am	31	0.40	29	0.23	57	0.21	57	0.04
Plant transfer factor for Pb	85	-0.02	83	-0.01	83	0.03	83	0.01
Meat transfer factor for Pb	3	0.64	16	0.34	16	-0.55	16	-0.11
Milk transfer factor for Pb	21	-0.48	26	-0.24	62	-0.17	62	-0.03
Fish transfer factor for Pb	64	0.09	67	0.04	23	-0.47	23	-0.09
Plant transfer factor for Np	9	0.60	8	0.53	4	0.77	4	0.20
Meat transfer factor for Np	33	-0.34	35	-0.16	64	0.13	64	0.02
Milk transfer factor for Np	86	0.02	87	0.01	84	-0.03	84	0.00
Fish transfer factor for Np	88	-0.01	86	-0.01	9	0.61	9	0.13
Plant transfer factor for Pu	51	0.18	48	0.10	5	-0.74	5	-0.18
Meat transfer factor for Pu	48	-0.21	55	-0.08	41	-0.32	42	-0.06
Milk transfer factor for Pu	38	0.27	46	0.11	60	-0.18	60	-0.03
Fish transfer factor for Pu	63	-0.11	62	-0.05	35	0.35	35	0.06
Plant transfer factor for Pa	34	-0.33	27	-0.23	30	-0.42	29	-0.08
Meat transfer factor for Pa	40	0.24	47	0.10	10	0.61	10	0.13
Milk transfer factor for Pa	37	-0.31	43	-0.12	21	-0.49	21	-0.09
Fish transfer factor for Pa	89	0.00	89	0.00	74	0.08	74	0.01
Plant transfer factor for Ra	10	-0.56	28	-0.23	43	-0.30	43	-0.05
Meat transfer factor for Ra	78	0.03	78	0.02	36	0.35	36	0.06
Milk transfer factor for Ra	68	-0.06	72	-0.03	14	-0.56	14	-0.11
Fish transfer factor for Ra	4	0.64	18	0.32	34	0.36	34	0.06
Plant transfer factor for Tc	87	-0.01	85	-0.01	13	-0.59	13	-0.12
Meat transfer factor for Tc	75	-0.04	79	-0.02	26	0.45	26	0.08
Milk transfer factor for Tc	62	0.11	65	0.04	8	-0.62	8	-0.13
Fish transfer factor for Tc	57	0.14	54	0.09	58	-0.21	58	-0.03
Plant transfer factor for Th	76	-0.03	76	-0.02	48	0.25	48	0.04
Meat transfer factor for Th	60	-0.12	63	-0.05	52	-0.24	52	-0.04
Milk transfer factor for Th	45	0.22	44	0.12	65	0.13	65	0.02
Fish transfer factor for Th	2	-0.68	13	-0.41	22	-0.49	22	-0.09
Plant transfer factor for U	8	-0.60	17	-0.33	38	0.33	38	0.06
Meat transfer factor for U	44	0.23	53	0.09	44	-0.29	44	-0.05
Milk transfer factor for U	11	-0.53	31	-0.21	6	0.68	6	0.16
Fish transfer factor for U	58	0.14	56	0.08	27	0.43	27	0.08
Well pumping rate	39	0.25	41	0.13	89	0.00	89	0.00
Mass loading for inhalation	29	-0.41	38	-0.14	78	-0.06	78	-0.01
Indoor dust filtration factor	69	0.06	70	0.03	15	0.56	15	0.11
Depth of soil mixing layer	70	0.05	73	0.02	69	0.09	69	0.02
Depth of roots	61	0.12	60	0.06	11	0.60	11	0.13
Wet weight crop yield of fruit, grain and non-leafy vegetables	77	0.03	81	0.01	59	0.19	59	0.03
Weathering removal constant of all vegetation	65	-0.08	66	-0.04	70	0.09	70	0.01
Wet foliar interception fraction of leafy vegetables	17	-0.51	24	-0.25	87	-0.01	87	0.00

R-SQUARE 0.95 0.95 0.97 0.97

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

Coefficients for peak 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	60	-0.10	66	-0.03	46	0.19	46	0.04
Kd of Ac-227 in Unsaturated Zone 1	62	0.09	63	0.04	82	0.04	82	0.01
Kd of Ac-227 in Saturated Zone	49	-0.14	43	-0.08	38	-0.25	38	-0.05
Kd of Am-241 in Contaminated Zone	23	-0.28	27	-0.13	47	-0.19	47	-0.03
Kd of Am-241 in Unsaturated Zone 1	19	0.32	1	9.92	68	0.10	67	0.02
Kd of Am-241 in Saturated Zone	30	0.22	42	0.08	79	0.06	79	0.01
Kd of Np-237 in Contaminated Zone	42	-0.16	54	-0.06	2	-0.92	2	-0.43
Kd of Np-237 in Unsaturated Zone 1	52	-0.14	45	-0.07	1	-0.96	1	-0.60
Kd of Np-237 in Saturated Zone	32	0.19	33	0.10	3	-0.84	3	-0.28
Kd of Pa-231 in Contaminated Zone	80	0.03	82	0.01	65	0.11	65	0.02
Kd of Pa-231 in Unsaturated Zone 1	13	-0.36	7	-0.26	37	-0.25	37	-0.05
Kd of Pa-231 in Saturated Zone	50	-0.14	38	-0.09	6	0.64	6	0.15
Kd of Pb-210 in Contaminated Zone	26	-0.26	30	-0.11	72	0.09	72	0.02
Kd of Pb-210 in Unsaturated Zone 1	84	0.01	83	0.01	8	0.58	8	0.13
Kd of Pb-210 in Saturated Zone	68	-0.07	64	-0.03	89	0.01	89	0.00
Kd of Pu-239 in Contaminated Zone	39	-0.17	34	-0.10	53	-0.16	53	-0.03
Kd of Pu-239 in Unsaturated Zone 1	56	-0.12	62	-0.04	59	-0.14	59	-0.03
Kd of Pu-239 in Saturated Zone	57	-0.11	60	-0.05	56	-0.15	56	-0.03
Kd of Ra-226 in Contaminated Zone	20	-0.32	25	-0.14	33	-0.32	33	-0.06
Kd of Ra-226 in Unsaturated Zone 1	7	0.42	11	0.21	9	-0.57	9	-0.13
Kd of Ra-226 in Saturated Zone	17	-0.33	17	-0.18	44	0.21	44	0.04
Kd of Ra-228 in Contaminated Zone	43	0.16	44	0.07	87	-0.02	87	0.00
Kd of Ra-228 in Unsaturated Zone 1	11	0.38	6	0.32	51	0.16	52	0.03
Kd of Ra-228 in Saturated Zone	28	-0.24	32	-0.10	10	0.56	11	0.12
Kd of Tc-99 in Saturated Zone	66	-0.07	69	-0.03	67	0.10	68	0.02
Kd of Th-228 in Contaminated Zone	9	-0.41	15	-0.18	30	-0.34	30	-0.06
Kd of Th-228 in Unsaturated Zone 1	69	-0.05	61	-0.05	86	0.02	86	0.00
Kd of Th-228 in Saturated Zone	31	-0.21	35	-0.09	85	0.03	85	0.01
Kd of Th-229 in Contaminated Zone	74	-0.04	75	-0.02	60	-0.14	61	-0.02
Kd of Th-229 in Unsaturated Zone 1	77	0.04	78	0.01	52	0.16	51	0.03
Kd of Th-229 in Saturated Zone	55	0.12	51	0.07	50	-0.17	50	-0.03
Kd of Th-230 in Contaminated Zone	78	-0.04	76	-0.02	28	-0.35	29	-0.07
Kd of Th-230 in Unsaturated Zone 1	45	-0.16	55	-0.06	14	-0.53	14	-0.11
Kd of Th-230 in Saturated Zone	33	0.19	21	0.16	80	0.05	80	0.01
Kd of Th-232 in Contaminated Zone	37	-0.18	31	-0.11	25	0.41	25	0.08
Kd of Th-232 in Unsaturated Zone 1	21	-0.31	2	-9.54	11	0.56	10	0.12
Kd of Th-232 in Saturated Zone	38	0.17	53	0.06	27	-0.35	27	-0.07
Kd of U-233 in Saturated Zone	85	0.01	85	0.00	32	0.33	32	0.06
Kd of U-234 in Saturated Zone	29	-0.23	26	-0.14	26	0.36	26	0.07
Kd of U-235 in Saturated Zone	3	0.53	4	0.51	13	0.54	13	0.11
Kd of U-238 in Saturated Zone	27	-0.25	10	-0.23	62	-0.13	62	-0.02
Plant transfer factor for Ac	89	0.00	88	0.00	42	0.23	42	0.04
Meat transfer factor for Ac	71	0.05	71	0.02	19	-0.47	19	-0.09
Milk transfer factor for Ac	73	-0.04	77	-0.02	81	-0.05	81	-0.01
Fish transfer factor for Ac	81	-0.02	79	-0.01	66	0.11	66	0.02
Plant transfer factor for Am	4	-0.50	9	-0.24	18	0.48	18	0.10
Meat transfer factor for Am	76	-0.04	70	-0.02	40	0.24	40	0.04
Milk transfer factor for Am	25	0.28	16	0.18	75	-0.07	75	-0.01
Fish transfer factor for Am	14	-0.36	18	-0.18	7	-0.64	7	-0.15
Plant transfer factor for Pb	87	0.00	87	0.00	16	0.50	15	0.10
Meat transfer factor for Pb	36	0.18	36	0.09	61	-0.13	60	-0.02
Milk transfer factor for Pb	34	0.19	40	0.09	70	-0.09	70	-0.02
Fish transfer factor for Pb	1	0.94	3	0.83	21	0.44	21	0.09
Plant transfer factor for Np	72	0.05	74	0.02	69	0.10	69	0.02
Meat transfer factor for Np	79	0.03	81	0.01	48	-0.18	48	-0.03
Milk transfer factor for Np	82	-0.02	80	-0.01	17	-0.48	17	-0.10
Fish transfer factor for Np	54	-0.12	39	-0.09	4	0.65	4	0.15
Plant transfer factor for Pu	22	0.29	28	0.13	57	0.14	57	0.03
Meat transfer factor for Pu	64	0.08	67	0.03	71	0.09	71	0.02
Milk transfer factor for Pu	70	-0.05	72	-0.02	78	0.06	78	0.01
Fish transfer factor for Pu	6	-0.45	23	-0.16	29	0.35	28	0.07
Plant transfer factor for Pa	67	-0.07	68	-0.03	35	-0.30	35	-0.06
Meat transfer factor for Pa	41	-0.17	29	-0.11	76	-0.07	76	-0.01
Milk transfer factor for Pa	24	-0.28	13	-0.19	84	0.03	84	0.01
Fish transfer factor for Pa	48	-0.15	52	-0.06	36	-0.26	36	-0.05
Plant transfer factor for Ra	58	0.10	49	0.07	15	0.50	16	0.10
Meat transfer factor for Ra	51	0.14	47	0.07	88	0.01	88	0.00
Milk transfer factor for Ra	44	-0.16	48	-0.07	77	-0.07	77	-0.01
Fish transfer factor for Ra	35	-0.18	56	-0.05	5	-0.65	5	-0.15
Plant transfer factor for Tc	75	-0.04	73	-0.02	22	0.42	22	0.09
Meat transfer factor for Tc	8	0.42	8	0.24	73	-0.09	73	-0.02
Milk transfer factor for Tc	65	-0.07	65	-0.03	34	0.31	34	0.06
Fish transfer factor for Tc	63	0.09	58	0.05	49	0.18	49	0.03
Plant transfer factor for Th	12	-0.36	20	-0.17	39	-0.24	39	-0.04
Meat transfer factor for Th	5	-0.47	5	-0.46	63	-0.13	63	-0.02
Milk transfer factor for Th	18	0.32	22	0.16	24	0.42	24	0.08
Fish transfer factor for Th	88	0.00	89	0.00	43	-0.22	43	-0.04
Plant transfer factor for U	46	0.16	50	0.07	83	0.04	83	0.01
Meat transfer factor for U	40	-0.17	37	-0.09	20	0.44	20	0.09
Milk transfer factor for U	59	-0.10	59	-0.05	64	0.12	64	0.02
Fish transfer factor for U	53	-0.13	46	-0.07	45	-0.20	45	-0.04
Well pumping rate	86	0.01	86	0.00	58	0.14	58	0.03
Mass loading for inhalation	47	-0.15	41	-0.09	55	-0.15	55	-0.03
Indoor dust filtration factor	83	0.01	84	0.00	54	0.16	54	0.03
Depth of soil mixing layer	10	0.40	12	0.20	31	0.33	31	0.06
Depth of roots	16	-0.34	24	-0.15	12	0.55	12	0.12
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	0.35	19	0.17	74	0.07	74	0.01
Weathering removal constant of all vegetation	61	-0.09	57	-0.05	23	-0.42	23	-0.08
Wet foliar interception fraction of leafy vegetables	2	0.53	14	0.19	41	-0.24	41	-0.04

R-SQUARE 0.96 0.96 0.97 0.97

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

Coefficients for peak Pu-239 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	64	-0.17	71	-0.08	59	-0.15	59	-0.02
Kd of Ac-227 in Unsaturated Zone 1	55	-0.21	63	-0.11	16	0.51	17	0.09
Kd of Ac-227 in Saturated Zone	33	0.29	35	0.20	10	-0.59	9	-0.11
Kd of Am-241 in Contaminated Zone	65	-0.17	62	-0.11	82	0.03	82	0.00
Kd of Am-241 in Unsaturated Zone 1	67	0.16	32	0.21	28	-0.40	28	-0.06
Kd of Am-241 in Saturated Zone	25	0.34	1	0.90	44	-0.25	43	-0.04
Kd of Np-237 in Contaminated Zone	7	-0.51	2	-0.82	69	0.09	69	0.01
Kd of Np-237 in Unsaturated Zone 1	59	-0.19	37	-0.19	61	-0.14	61	-0.02
Kd of Np-237 in Saturated Zone	86	0.03	84	0.02	18	-0.50	18	-0.09
Kd of Pa-231 in Contaminated Zone	54	0.21	55	0.13	8	0.65	8	0.13
Kd of Pa-231 in Unsaturated Zone 1	37	-0.27	7	-0.67	63	-0.13	63	-0.02
Kd of Pa-231 in Saturated Zone	42	-0.25	46	-0.15	29	-0.39	29	-0.06
Kd of Pb-210 in Contaminated Zone	48	0.22	42	0.16	31	0.36	31	0.06
Kd of Pb-210 in Unsaturated Zone 1	4	-0.56	5	-0.75	6	-0.68	6	-0.14
Kd of Pb-210 in Saturated Zone	8	-0.50	9	-0.55	42	-0.26	42	-0.04
Kd of Pu-239 in Contaminated Zone	70	-0.14	52	-0.14	88	0.01	88	0.00
Kd of Pu-239 in Unsaturated Zone 1	34	-0.28	31	-0.21	20	-0.47	20	-0.08
Kd of Pu-239 in Saturated Zone	87	-0.02	86	-0.02	68	0.10	67	0.01
Kd of Ra-226 in Contaminated Zone	72	-0.14	54	-0.13	67	0.10	68	0.01
Kd of Ra-226 in Unsaturated Zone 1	45	-0.25	36	-0.19	34	0.31	34	0.05
Kd of Ra-226 in Saturated Zone	21	-0.37	20	-0.29	81	-0.03	81	0.00
Kd of Ra-228 in Contaminated Zone	10	0.49	6	0.71	30	-0.38	30	-0.06
Kd of Ra-228 in Unsaturated Zone 1	43	0.25	56	0.13	55	0.17	54	0.03
Kd of Ra-228 in Saturated Zone	77	-0.08	74	-0.06	60	-0.15	60	-0.02
Kd of Tc-99 in Saturated Zone	52	0.21	57	0.13	76	-0.06	76	-0.01
Kd of Th-228 in Contaminated Zone	51	-0.21	73	-0.08	52	-0.21	52	-0.03
Kd of Th-228 in Unsaturated Zone 1	63	-0.18	28	-0.23	83	0.02	83	0.00
Kd of Th-228 in Saturated Zone	3	0.58	4	0.77	22	0.46	22	0.08
Kd of Th-229 in Contaminated Zone	60	0.19	67	0.10	51	0.23	51	0.04
Kd of Th-229 in Unsaturated Zone 1	23	-0.35	11	-0.49	66	0.12	66	0.02
Kd of Th-229 in Saturated Zone	39	0.26	58	0.12	26	0.42	26	0.07
Kd of Th-230 in Contaminated Zone	6	0.52	12	0.44	46	0.24	48	0.04
Kd of Th-230 in Unsaturated Zone 1	80	0.06	76	0.05	77	-0.04	77	-0.01
Kd of Th-230 in Saturated Zone	49	-0.22	48	-0.14	72	0.07	72	0.01
Kd of Th-232 in Contaminated Zone	50	0.22	51	0.14	33	0.31	33	0.05
Kd of Th-232 in Unsaturated Zone 1	57	0.20	39	0.17	45	-0.24	45	-0.04
Kd of Th-232 in Saturated Zone	78	-0.07	79	-0.04	15	-0.52	15	-0.09
Kd of U-233 in Saturated Zone	19	-0.39	23	-0.25	79	-0.04	78	-0.01
Kd of U-234 in Saturated Zone	31	0.30	10	0.53	64	-0.13	64	-0.02
Kd of U-235 in Saturated Zone	76	-0.09	70	-0.09	11	-0.59	10	-0.11
Kd of U-238 in Saturated Zone	16	0.41	15	0.35	27	0.42	27	0.07
Plant transfer factor for Ac	38	-0.26	49	-0.14	37	0.28	37	0.05
Meat transfer factor for Ac	81	-0.05	81	-0.03	4	0.71	4	0.15
Milk transfer factor for Ac	73	-0.13	68	-0.10	14	-0.54	14	-0.10
Fish transfer factor for Ac	27	0.31	33	0.21	65	-0.13	65	-0.02
Plant transfer factor for Am	84	-0.03	85	-0.02	41	-0.26	41	-0.04
Meat transfer factor for Am	53	0.21	38	0.18	48	-0.24	46	-0.04
Milk transfer factor for Am	13	-0.47	18	-0.33	5	0.70	5	0.14
Fish transfer factor for Am	15	-0.44	14	-0.36	80	-0.03	80	-0.01
Plant transfer factor for Pb	28	0.31	22	0.25	73	-0.07	73	-0.01
Meat transfer factor for Pb	32	0.29	50	0.14	39	0.27	39	0.04
Milk transfer factor for Pb	62	-0.19	59	-0.12	54	-0.17	55	-0.03
Fish transfer factor for Pb	17	0.41	25	0.24	24	0.44	24	0.07
Plant transfer factor for Np	69	0.14	72	0.08	53	0.20	53	0.03
Meat transfer factor for Np	83	0.05	83	0.02	43	0.25	44	0.04
Milk transfer factor for Np	56	-0.20	64	-0.11	71	0.08	71	0.01
Fish transfer factor for Np	30	0.31	16	0.34	23	-0.45	23	-0.07
Plant transfer factor for Pu	1	0.84	3	0.77	2	0.97	2	0.56
Meat transfer factor for Pu	75	0.10	78	0.04	89	0.00	89	0.00
Milk transfer factor for Pu	41	-0.26	45	-0.15	87	-0.01	87	0.00
Fish transfer factor for Pu	68	0.15	75	0.06	62	0.14	62	0.02
Plant transfer factor for Pa	29	0.31	29	0.22	17	-0.50	16	-0.09
Meat transfer factor for Pa	46	0.24	65	0.11	19	-0.48	19	-0.08
Milk transfer factor for Pa	88	0.01	88	0.01	35	-0.30	35	-0.05
Fish transfer factor for Pa	5	0.54	8	0.58	86	0.01	86	0.00
Plant transfer factor for Ra	36	0.27	43	0.16	32	0.35	32	0.06
Meat transfer factor for Ra	58	-0.20	47	-0.15	74	0.06	74	0.01
Milk transfer factor for Ra	35	0.28	41	0.17	75	-0.06	75	-0.01
Fish transfer factor for Ra	66	0.16	44	0.16	78	-0.04	79	-0.01
Plant transfer factor for Tc	18	0.39	24	0.25	58	-0.16	58	-0.02
Meat transfer factor for Tc	79	0.06	80	0.04	50	0.23	50	0.04
Milk transfer factor for Tc	82	0.05	82	0.03	40	-0.26	40	-0.04
Fish transfer factor for Tc	44	0.25	53	0.13	9	-0.59	11	-0.11
Plant transfer factor for Th	22	0.37	30	0.21	47	0.24	47	0.04
Meat transfer factor for Th	24	-0.35	26	-0.23	85	0.02	85	0.00
Milk transfer factor for Th	74	-0.10	77	-0.05	13	-0.55	13	-0.10
Fish transfer factor for Th	11	0.48	19	0.31	38	-0.28	38	-0.04
Plant transfer factor for U	12	0.47	27	0.23	84	0.02	84	0.00
Meat transfer factor for U	89	0.00	89	0.00	56	0.17	56	0.03
Milk transfer factor for U	61	-0.19	66	-0.10	12	0.55	12	0.10
Fish transfer factor for U	26	0.33	40	0.17	21	0.46	21	0.08
Well pumping rate	85	-0.03	87	-0.01	3	-0.74	3	-0.17
Mass loading for inhalation	40	0.26	60	0.12	36	0.29	36	0.05
Indoor dust filtration factor	9	0.50	21	0.28	57	-0.17	57	-0.03
Depth of soil mixing layer	20	0.39	34	0.21	25	0.43	25	0.07
Depth of roots	2	0.62	17	0.34	1	0.98	1	0.67
Wet weight crop yield of fruit, grain and non-leafy vegetables	47	-0.23	61	-0.12	70	-0.08	70	-0.01
Weathering removal constant of all vegetation	71	0.14	69	0.09	49	-0.23	49	-0.04
Wet foliar interception fraction of leafy vegetables	14	0.46	13	0.41	7	-0.66	7	-0.13

R-SQUARE 0.94 0.94 0.98 0.98

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

Coefficients for peak Pu-239 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coef	Sig	Coef	Sig	Coef	Sig	Coef
Kd of Ac-227 in Contaminated Zone	15	-0.43	7	-0.26	25	-0.36	26	-0.07
Kd of Ac-227 in Unsaturated Zone 1	14	-0.44	9	-0.24	80	0.03	80	0.00
Kd of Ac-227 in Saturated Zone	47	0.27	63	0.06	58	0.13	59	0.02
Kd of Am-241 in Contaminated Zone	35	-0.34	41	-0.11	88	0.01	88	0.00
Kd of Am-241 in Unsaturated Zone 1	51	-0.24	4	-0.37	42	0.25	42	0.05
Kd of Am-241 in Saturated Zone	52	0.24	37	0.13	29	-0.32	29	-0.06
Kd of Np-237 in Contaminated Zone	87	-0.02	87	-0.01	57	0.14	57	0.03
Kd of Np-237 in Unsaturated Zone 1	33	-0.35	45	-0.11	40	-0.27	39	-0.05
Kd of Np-237 in Saturated Zone	81	-0.05	74	-0.03	9	-0.49	9	-0.10
Kd of Pa-231 in Contaminated Zone	58	0.19	62	0.07	87	-0.02	87	0.00
Kd of Pa-231 in Unsaturated Zone 1	8	0.55	12	0.22	7	0.51	7	0.10
Kd of Pa-231 in Saturated Zone	34	0.35	39	0.12	61	0.12	60	0.02
Kd of Pb-210 in Contaminated Zone	44	0.27	5	0.28	62	0.12	62	0.02
Kd of Pb-210 in Unsaturated Zone 1	42	-0.30	31	-0.14	83	-0.02	83	0.00
Kd of Pb-210 in Saturated Zone	79	-0.06	81	-0.02	15	0.44	15	0.09
Kd of Pu-239 in Contaminated Zone	89	-0.01	89	0.00	77	0.03	77	0.01
Kd of Pu-239 in Unsaturated Zone 1	64	0.15	57	0.07	78	-0.03	78	-0.01
Kd of Pu-239 in Saturated Zone	82	0.04	71	0.04	60	0.12	61	0.02
Kd of Ra-226 in Contaminated Zone	36	-0.34	42	-0.11	27	-0.33	27	-0.06
Kd of Ra-226 in Unsaturated Zone 1	13	0.45	19	0.20	51	0.18	51	0.03
Kd of Ra-226 in Saturated Zone	62	0.17	21	0.19	36	0.29	37	0.05
Kd of Ra-228 in Contaminated Zone	78	0.07	48	0.10	14	-0.45	14	-0.09
Kd of Ra-228 in Unsaturated Zone 1	55	0.22	55	0.08	26	0.36	24	0.07
Kd of Ra-228 in Saturated Zone	45	0.27	34	0.13	18	-0.42	18	-0.08
Kd of Tc-99 in Saturated Zone	29	0.37	11	0.23	21	0.38	21	0.07
Kd of Th-228 in Contaminated Zone	7	0.55	16	0.21	35	-0.29	35	-0.06
Kd of Th-228 in Unsaturated Zone 1	27	0.38	28	0.15	71	0.07	71	0.01
Kd of Th-228 in Saturated Zone	75	0.08	76	0.02	86	-0.02	86	0.00
Kd of Th-229 in Contaminated Zone	88	0.01	88	0.00	11	0.47	12	0.09
Kd of Th-229 in Unsaturated Zone 1	43	0.30	54	0.08	17	-0.43	17	-0.08
Kd of Th-229 in Saturated Zone	24	-0.39	2	-0.48	67	0.09	67	0.02
Kd of Th-230 in Contaminated Zone	67	-0.12	60	-0.07	68	-0.08	69	-0.02
Kd of Th-230 in Unsaturated Zone 1	85	0.03	85	0.02	84	0.02	84	0.00
Kd of Th-230 in Saturated Zone	84	-0.04	68	-0.04	22	-0.37	25	-0.07
Kd of Th-232 in Contaminated Zone	11	0.51	14	0.22	50	-0.18	52	-0.03
Kd of Th-232 in Unsaturated Zone 1	61	-0.17	69	-0.04	23	0.36	22	0.07
Kd of Th-232 in Saturated Zone	54	-0.22	49	-0.10	37	0.29	36	0.05
Kd of U-233 in Saturated Zone	56	0.20	52	0.08	48	0.19	48	0.04
Kd of U-234 in Saturated Zone	25	-0.38	23	-0.19	54	-0.17	54	-0.03
Kd of U-235 in Saturated Zone	57	-0.20	59	-0.07	46	0.22	46	0.04
Kd of U-238 in Saturated Zone	69	-0.12	43	-0.11	56	0.15	56	0.03
Plant transfer factor for Ac	31	-0.36	40	-0.12	64	0.11	64	0.02
Meat transfer factor for Ac	32	0.36	30	0.14	72	0.07	72	0.01
Milk transfer factor for Ac	9	-0.54	17	-0.21	8	-0.50	8	-0.10
Fish transfer factor for Ac	83	0.04	84	0.02	65	0.10	66	0.02
Plant transfer factor for Am	10	0.53	20	0.20	49	0.19	49	0.03
Meat transfer factor for Am	70	0.09	72	0.03	10	-0.48	10	-0.10
Milk transfer factor for Am	65	0.13	70	0.04	82	-0.02	82	0.00
Fish transfer factor for Am	86	0.02	86	0.01	81	0.02	81	0.00
Plant transfer factor for Pb	30	0.37	25	0.17	41	0.25	41	0.05
Meat transfer factor for Pb	74	-0.08	77	-0.02	32	0.31	32	0.06
Milk transfer factor for Pb	23	0.40	33	0.13	75	-0.05	75	-0.01
Fish transfer factor for Pb	76	-0.07	79	-0.02	43	-0.23	43	-0.04
Plant transfer factor for Np	19	-0.42	10	-0.23	3	-0.60	3	-0.14
Meat transfer factor for Np	63	-0.15	67	-0.05	74	-0.05	74	-0.01
Milk transfer factor for Np	53	-0.23	56	-0.08	45	-0.22	45	-0.04
Fish transfer factor for Np	26	0.38	24	0.18	13	0.46	13	0.09
Plant transfer factor for Pu	1	0.93	1	0.92	2	0.95	2	0.52
Meat transfer factor for Pu	41	-0.31	50	-0.09	28	-0.33	28	-0.06
Milk transfer factor for Pu	21	-0.42	38	-0.12	30	-0.31	30	-0.06
Fish transfer factor for Pu	28	-0.37	32	-0.14	6	0.51	6	0.11
Plant transfer factor for Pa	18	0.42	15	0.21	63	-0.11	63	-0.02
Meat transfer factor for Pa	73	0.09	78	0.02	44	0.22	44	0.04
Milk transfer factor for Pa	77	-0.07	82	-0.02	24	-0.36	23	-0.07
Fish transfer factor for Pa	49	0.24	53	0.08	5	-0.54	5	-0.11
Plant transfer factor for Ra	3	0.66	18	0.21	31	0.31	31	0.06
Meat transfer factor for Ra	12	-0.45	22	-0.19	85	0.02	85	0.00
Milk transfer factor for Ra	50	0.24	61	0.07	39	-0.27	40	-0.05
Fish transfer factor for Ra	16	0.43	35	0.13	89	0.00	89	0.00
Plant transfer factor for Tc	68	-0.12	65	-0.06	79	0.03	79	0.01
Meat transfer factor for Tc	38	0.34	44	0.11	73	-0.06	73	-0.01
Milk transfer factor for Tc	66	0.12	73	0.03	70	-0.08	70	-0.01
Fish transfer factor for Tc	37	-0.34	27	-0.16	34	0.29	34	0.06
Plant transfer factor for Th	5	0.58	6	0.27	47	0.21	47	0.04
Meat transfer factor for Th	46	0.27	51	0.09	16	0.44	16	0.09
Milk transfer factor for Th	17	-0.43	26	-0.17	52	-0.18	50	-0.03
Fish transfer factor for Th	4	0.61	8	0.25	19	0.41	19	0.08
Plant transfer factor for U	6	0.57	13	0.22	53	0.18	53	0.03
Meat transfer factor for U	59	-0.19	66	-0.05	33	-0.31	33	-0.06
Milk transfer factor for U	48	0.25	64	0.06	20	0.41	20	0.08
Fish transfer factor for U	60	0.18	58	0.07	59	0.13	58	0.02
Well pumping rate	80	0.06	83	0.02	12	0.47	11	0.09
Mass loading for inhalation	71	0.09	80	0.02	69	-0.08	68	-0.02
Indoor dust filtration factor	40	0.31	47	0.10	38	0.28	38	0.05
Depth of soil mixing layer	20	0.42	36	0.13	66	-0.10	65	-0.02
Depth of roots	2	0.75	3	0.42	1	0.97	1	0.71
Wet weight crop yield of fruit, grain and non-leafy vegetables	72	-0.09	75	-0.03	4	0.57	4	0.12
Weathering removal constant of all vegetation	22	-0.40	29	-0.15	76	-0.04	76	-0.01
Wet foliar interception fraction of leafy vegetables	39	-0.33	46	-0.10	55	0.16	55	0.03

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 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	20	-0.24	43	-0.09	25	-0.44	25	-0.07
Kd of Ac-227 in Unsaturated Zone 1	24	-0.23	29	-0.12	82	0.02	82	0.00
Kd of Ac-227 in Saturated Zone	6	-0.44	9	-0.28	79	-0.04	79	-0.01
Kd of Am-241 in Contaminated Zone	60	0.10	63	0.05	74	-0.08	75	-0.01
Kd of Am-241 in Unsaturated Zone 1	70	-0.06	1	-1.87	87	0.00	87	0.00
Kd of Am-241 in Saturated Zone	36	0.17	52	0.06	15	-0.53	15	-0.08
Kd of Np-237 in Contaminated Zone	72	0.05	77	0.02	18	-0.53	18	-0.08
Kd of Np-237 in Unsaturated Zone 1	17	0.28	15	0.17	28	-0.40	28	-0.06
Kd of Np-237 in Saturated Zone	65	0.08	67	0.04	54	0.19	53	0.03
Kd of Pa-231 in Contaminated Zone	29	-0.19	45	-0.08	50	0.22	50	0.03
Kd of Pa-231 in Unsaturated Zone 1	87	-0.01	85	-0.01	85	0.00	85	0.00
Kd of Pa-231 in Saturated Zone	77	0.03	76	0.02	36	0.30	36	0.04
Kd of Pb-210 in Contaminated Zone	15	-0.29	26	-0.13	14	0.55	14	0.08
Kd of Pb-210 in Unsaturated Zone 1	3	0.65	3	0.78	59	0.16	60	0.02
Kd of Pb-210 in Saturated Zone	10	-0.37	10	-0.22	55	-0.18	55	-0.02
Kd of Pu-239 in Contaminated Zone	40	-0.16	39	-0.10	61	-0.14	61	-0.02
Kd of Pu-239 in Unsaturated Zone 1	34	-0.17	48	-0.07	4	-0.67	4	-0.12
Kd of Pu-239 in Saturated Zone	88	0.01	88	0.01	77	-0.06	77	-0.01
Kd of Ra-226 in Contaminated Zone	58	0.10	64	0.05	23	0.46	24	0.07
Kd of Ra-226 in Unsaturated Zone 1	83	0.02	81	0.01	24	-0.46	23	-0.07
Kd of Ra-226 in Saturated Zone	19	0.25	24	0.14	13	0.56	13	0.09
Kd of Ra-228 in Contaminated Zone	74	0.04	75	0.02	76	-0.06	76	-0.01
Kd of Ra-228 in Unsaturated Zone 1	75	-0.04	71	-0.03	63	-0.12	63	-0.02
Kd of Ra-228 in Saturated Zone	85	0.02	86	0.01	80	-0.02	80	0.00
Kd of Tc-99 in Saturated Zone	64	-0.08	70	-0.03	49	0.22	49	0.03
Kd of Th-228 in Contaminated Zone	33	0.18	44	0.08	5	0.66	5	0.12
Kd of Th-228 in Unsaturated Zone 1	43	-0.15	17	-0.15	45	-0.24	45	-0.03
Kd of Th-228 in Saturated Zone	82	0.02	82	0.01	42	-0.28	42	-0.04
Kd of Th-229 in Contaminated Zone	12	-0.33	19	-0.15	78	0.05	78	0.01
Kd of Th-229 in Unsaturated Zone 1	42	-0.15	50	-0.07	30	-0.38	30	-0.06
Kd of Th-229 in Saturated Zone	63	0.09	59	0.05	21	-0.49	21	-0.08
Kd of Th-230 in Contaminated Zone	30	0.19	37	0.10	56	0.18	56	0.02
Kd of Th-230 in Unsaturated Zone 1	11	-0.35	22	-0.14	9	0.60	9	0.10
Kd of Th-230 in Saturated Zone	68	-0.07	53	-0.06	39	-0.29	40	-0.04
Kd of Th-232 in Contaminated Zone	4	-0.48	8	-0.36	11	-0.57	11	-0.09
Kd of Th-232 in Unsaturated Zone 1	73	0.05	2	1.63	32	-0.35	31	-0.05
Kd of Th-232 in Saturated Zone	57	-0.10	68	-0.04	88	0.00	88	0.00
Kd of U-233 in Saturated Zone	71	0.06	72	0.03	27	0.40	27	0.06
Kd of U-234 in Saturated Zone	67	-0.07	66	-0.05	67	0.10	67	0.01
Kd of U-235 in Saturated Zone	37	-0.16	18	-0.15	47	0.23	47	0.03
Kd of U-238 in Saturated Zone	44	-0.15	20	-0.15	8	-0.61	8	-0.10
Plant transfer factor for Ac	46	0.15	33	0.11	72	-0.08	72	-0.01
Meat transfer factor for Ac	23	-0.23	27	-0.13	51	-0.21	51	-0.03
Milk transfer factor for Ac	54	0.11	65	0.05	31	-0.35	32	-0.05
Fish transfer factor for Ac	32	-0.19	23	-0.14	10	0.59	10	0.10
Plant transfer factor for Am	39	-0.16	47	-0.07	46	-0.23	46	-0.03
Meat transfer factor for Am	76	-0.04	74	-0.02	6	0.65	6	0.11
Milk transfer factor for Am	21	-0.24	13	-0.17	38	-0.29	38	-0.04
Fish transfer factor for Am	84	0.02	84	0.01	64	0.11	64	0.01
Plant transfer factor for Pb	7	0.42	6	0.40	16	-0.53	17	-0.08
Meat transfer factor for Pb	55	0.10	56	0.06	34	0.33	33	0.05
Milk transfer factor for Pb	45	0.15	46	0.08	20	0.50	20	0.08
Fish transfer factor for Pb	56	0.10	69	0.03	66	-0.10	66	-0.01
Plant transfer factor for Np	53	-0.11	60	-0.05	53	0.19	54	0.03
Meat transfer factor for Np	25	-0.21	41	-0.09	17	0.53	16	0.08
Milk transfer factor for Np	49	0.13	36	0.10	48	0.22	48	0.03
Fish transfer factor for Np	47	0.15	30	0.12	60	0.16	59	0.02
Plant transfer factor for Pu	1	0.78	4	0.59	2	0.97	2	0.53
Meat transfer factor for Pu	18	-0.27	31	-0.12	7	-0.61	7	-0.10
Milk transfer factor for Pu	16	-0.29	21	-0.15	65	-0.11	65	-0.01
Fish transfer factor for Pu	31	-0.19	51	-0.07	29	-0.39	29	-0.06
Plant transfer factor for Pa	9	-0.39	12	-0.18	22	0.49	22	0.07
Meat transfer factor for Pa	5	-0.46	7	-0.38	69	-0.09	69	-0.01
Milk transfer factor for Pa	66	0.08	58	0.05	83	-0.01	83	0.00
Fish transfer factor for Pa	52	0.11	62	0.05	68	-0.10	68	-0.01
Plant transfer factor for Ra	48	-0.14	38	-0.10	44	0.26	44	0.04
Meat transfer factor for Ra	78	-0.03	78	-0.02	86	0.00	86	0.00
Milk transfer factor for Ra	8	0.42	11	0.21	19	-0.53	19	-0.08
Fish transfer factor for Ra	35	-0.17	55	-0.06	35	0.32	35	0.04
Plant transfer factor for Tc	13	-0.33	14	-0.17	70	0.08	70	0.01
Meat transfer factor for Tc	62	-0.10	57	-0.05	62	-0.13	62	-0.02
Milk transfer factor for Tc	50	0.12	54	0.06	43	-0.28	43	-0.04
Fish transfer factor for Tc	38	0.16	35	0.11	89	0.00	89	0.00
Plant transfer factor for Th	79	-0.03	80	-0.01	41	0.29	39	0.04
Meat transfer factor for Th	59	0.10	40	0.10	26	-0.42	26	-0.06
Milk transfer factor for Th	26	-0.21	32	-0.11	75	-0.08	74	-0.01
Fish transfer factor for Th	69	0.06	73	0.02	84	-0.01	84	0.00
Plant transfer factor for U	86	-0.01	87	-0.01	37	0.29	37	0.04
Meat transfer factor for U	41	0.16	42	0.09	3	-0.75	3	-0.15
Milk transfer factor for U	89	0.00	89	0.00	33	0.33	34	0.05
Fish transfer factor for U	51	0.12	49	0.07	73	0.08	73	0.01
Well pumping rate	14	0.30	25	0.13	58	0.17	58	0.02
Mass loading for inhalation	28	-0.20	28	-0.12	57	-0.17	57	-0.02
Indoor dust filtration factor	80	-0.03	79	-0.02	12	0.56	12	0.09
Depth of soil mixing layer	61	0.10	61	0.05	40	0.29	41	0.04
Depth of roots	2	0.66	5	0.40	1	0.98	1	0.71
Wet weight crop yield of fruit, grain and non-leafy vegetables	27	-0.21	34	-0.11	52	-0.19	52	-0.03
Weathering removal constant of all vegetation	22	-0.23	16	-0.16	71	0.08	71	0.01
Wet foliar interception fraction of leafy vegetables	81	-0.03	83	-0.01	81	-0.02	81	0.00

R-SQUARE 0.95 0.95 0.98 0.98

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

Coefficients for peak Ra-228 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	28	0.30	42	0.09	71	-0.08	71	-0.01
Kd of Ac-227 in Unsaturated Zone 1	47	-0.22	55	-0.07	30	-0.24	31	-0.04
Kd of Ac-227 in Saturated Zone	45	0.23	40	0.10	79	0.05	79	0.01
Kd of Am-241 in Contaminated Zone	4	-0.62	6	-0.31	88	-0.01	88	0.00
Kd of Am-241 in Unsaturated Zone 1	22	0.33	8	0.28	66	0.09	67	0.02
Kd of Am-241 in Saturated Zone	34	0.27	4	0.42	50	-0.18	49	-0.03
Kd of Np-237 in Contaminated Zone	77	-0.04	70	-0.03	5	-0.45	5	-0.09
Kd of Np-237 in Unsaturated Zone 1	13	-0.41	10	-0.25	89	0.01	89	0.00
Kd of Np-237 in Saturated Zone	41	0.25	44	0.09	18	-0.32	18	-0.06
Kd of Pa-231 in Contaminated Zone	59	0.15	58	0.06	43	-0.19	43	-0.04
Kd of Pa-231 in Unsaturated Zone 1	44	-0.24	5	-0.35	15	-0.35	15	-0.07
Kd of Pa-231 in Saturated Zone	10	-0.44	21	-0.17	32	-0.23	34	-0.04
Kd of Pb-210 in Contaminated Zone	39	0.26	34	0.12	17	0.34	17	0.06
Kd of Pb-210 in Unsaturated Zone 1	66	-0.11	52	-0.07	59	-0.12	59	-0.02
Kd of Pb-210 in Saturated Zone	89	0.01	88	0.00	39	0.21	39	0.04
Kd of Pu-239 in Contaminated Zone	21	-0.34	15	-0.20	53	-0.16	53	-0.03
Kd of Pu-239 in Unsaturated Zone 1	46	-0.23	37	-0.10	20	0.31	20	0.06
Kd of Pu-239 in Saturated Zone	31	-0.28	31	-0.12	72	-0.07	72	-0.01
Kd of Ra-226 in Contaminated Zone	19	-0.35	14	-0.21	56	0.14	56	0.03
Kd of Ra-226 in Unsaturated Zone 1	7	-0.51	9	-0.26	13	0.37	13	0.07
Kd of Ra-226 in Saturated Zone	32	-0.27	33	-0.12	33	0.23	33	0.04
Kd of Ra-228 in Contaminated Zone	87	-0.01	80	-0.01	44	-0.19	45	-0.03
Kd of Ra-228 in Unsaturated Zone 1	82	-0.03	85	-0.01	34	0.23	32	0.04
Kd of Ra-228 in Saturated Zone	78	0.03	76	0.02	46	0.19	47	0.03
Kd of Tc-99 in Saturated Zone	40	-0.26	43	-0.09	67	-0.09	66	-0.02
Kd of Th-228 in Contaminated Zone	83	-0.03	87	-0.01	45	0.19	44	0.04
Kd of Th-228 in Unsaturated Zone 1	54	-0.20	24	-0.16	80	-0.04	80	-0.01
Kd of Th-228 in Saturated Zone	71	-0.08	62	-0.05	29	-0.24	30	-0.04
Kd of Th-229 in Contaminated Zone	75	0.05	77	0.02	22	-0.30	22	-0.06
Kd of Th-229 in Unsaturated Zone 1	48	-0.22	20	-0.17	19	-0.32	19	-0.06
Kd of Th-229 in Saturated Zone	58	-0.16	63	-0.05	38	-0.22	38	-0.04
Kd of Th-230 in Contaminated Zone	51	0.21	41	0.10	27	0.26	27	0.05
Kd of Th-230 in Unsaturated Zone 1	26	0.31	19	0.18	65	-0.10	65	-0.02
Kd of Th-230 in Saturated Zone	52	-0.21	49	-0.08	63	0.11	63	0.02
Kd of Th-232 in Contaminated Zone	14	0.40	22	0.16	69	0.08	69	0.02
Kd of Th-232 in Unsaturated Zone 1	84	-0.02	79	-0.01	16	-0.35	16	-0.07
Kd of Th-232 in Saturated Zone	67	-0.10	69	-0.04	10	-0.38	10	-0.07
Kd of U-233 in Saturated Zone	17	0.38	27	0.14	73	0.07	73	0.01
Kd of U-234 in Saturated Zone	9	0.47	2	0.54	62	0.12	62	0.02
Kd of U-235 in Saturated Zone	86	0.02	81	0.01	61	0.12	61	0.02
Kd of U-238 in Saturated Zone	35	0.27	30	0.13	6	-0.43	6	-0.09
Plant transfer factor for Ac	27	-0.30	38	-0.10	31	0.23	29	0.04
Meat transfer factor for Ac	68	-0.10	71	-0.03	78	0.05	78	0.01
Milk transfer factor for Ac	33	-0.27	28	-0.13	26	-0.28	24	-0.05
Fish transfer factor for Ac	69	-0.10	67	-0.04	48	0.19	48	0.03
Plant transfer factor for Am	76	-0.05	78	-0.02	49	0.18	50	0.03
Meat transfer factor for Am	49	0.21	36	0.11	87	-0.02	87	0.00
Milk transfer factor for Am	3	-0.64	7	-0.31	37	-0.22	37	-0.04
Fish transfer factor for Am	56	-0.19	50	-0.08	64	-0.11	64	-0.02
Plant transfer factor for Pb	42	-0.25	32	-0.12	85	-0.03	85	-0.01
Meat transfer factor for Pb	60	-0.15	64	-0.04	8	-0.40	8	-0.08
Milk transfer factor for Pb	29	-0.29	35	-0.12	24	-0.28	26	-0.05
Fish transfer factor for Pb	74	0.06	75	0.02	42	-0.20	41	-0.04
Plant transfer factor for Np	88	0.01	89	0.00	23	-0.28	23	-0.05
Meat transfer factor for Np	81	0.03	84	0.01	21	-0.31	21	-0.06
Milk transfer factor for Np	11	0.43	25	0.15	54	-0.15	54	-0.03
Fish transfer factor for Np	18	0.36	11	0.24	55	-0.15	55	-0.03
Plant transfer factor for Pu	72	0.07	74	0.02	58	-0.14	58	-0.03
Meat transfer factor for Pu	65	0.11	72	0.03	25	-0.28	25	-0.05
Milk transfer factor for Pu	16	0.39	26	0.14	60	0.12	60	0.02
Fish transfer factor for Pu	24	-0.33	47	-0.09	76	0.06	76	0.01
Plant transfer factor for Pa	62	-0.13	60	-0.05	7	-0.41	7	-0.08
Meat transfer factor for Pa	25	-0.32	46	-0.09	77	-0.05	77	-0.01
Milk transfer factor for Pa	6	-0.56	13	-0.21	51	-0.17	51	-0.03
Fish transfer factor for Pa	20	0.34	16	0.20	9	0.38	9	0.08
Plant transfer factor for Ra	2	0.88	1	0.64	2	0.88	2	0.34
Meat transfer factor for Ra	15	-0.40	18	-0.19	81	-0.04	81	-0.01
Milk transfer factor for Ra	53	0.21	54	0.07	3	-0.48	3	-0.10
Fish transfer factor for Ra	73	0.07	68	0.04	14	0.37	14	0.07
Plant transfer factor for Tc	12	-0.42	23	-0.16	83	-0.04	83	-0.01
Meat transfer factor for Tc	57	0.18	56	0.07	82	-0.04	82	-0.01
Milk transfer factor for Tc	36	0.27	48	0.09	11	-0.37	11	-0.07
Fish transfer factor for Tc	70	-0.08	73	-0.02	35	0.23	36	0.04
Plant transfer factor for Th	63	0.13	65	0.04	36	0.23	35	0.04
Meat transfer factor for Th	61	-0.13	61	-0.05	40	0.21	40	0.04
Milk transfer factor for Th	23	-0.33	39	-0.10	12	-0.37	12	-0.07
Fish transfer factor for Th	64	0.12	66	0.04	74	-0.07	74	-0.01
Plant transfer factor for U	55	-0.20	59	-0.05	52	-0.17	52	-0.03
Meat transfer factor for U	79	-0.03	83	-0.01	4	0.45	4	0.09
Milk transfer factor for U	80	0.03	82	0.01	84	-0.03	84	-0.01
Fish transfer factor for U	37	0.27	51	0.08	70	0.08	70	0.01
Well pumping rate	30	0.29	45	0.09	75	0.06	75	0.01
Mass loading for inhalation	5	-0.59	17	-0.19	28	-0.25	28	-0.05
Indoor dust filtration factor	85	-0.02	86	-0.01	41	0.20	42	0.04
Depth of soil mixing layer	50	-0.21	57	-0.07	86	-0.03	86	-0.01
Depth of roots	1	0.89	3	0.50	1	0.97	1	0.79
Wet weight crop yield of fruit, grain and non-leafy vegetables	43	-0.24	53	-0.07	57	-0.14	57	-0.03
Weathering removal constant of all vegetation	8	0.50	12	0.22	47	0.19	46	0.03
Wet foliar interception fraction of leafy vegetables	38	0.26	29	0.13	68	0.08	68	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 Ra-228 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	36	0.39	25	0.13	74	0.06	74	0.01
Kd of Ac-227 in Unsaturated Zone 1	70	-0.16	60	-0.04	5	-0.41	5	-0.10
Kd of Ac-227 in Saturated Zone	22	-0.55	38	-0.08	25	0.23	25	0.05
Kd of Am-241 in Contaminated Zone	64	-0.18	70	-0.03	59	0.10	59	0.02
Kd of Am-241 in Unsaturated Zone 1	33	0.42	6	0.38	88	0.00	88	0.00
Kd of Am-241 in Saturated Zone	83	-0.04	80	-0.01	39	0.17	40	0.04
Kd of Np-237 in Contaminated Zone	53	0.26	46	0.06	47	-0.15	47	-0.03
Kd of Np-237 in Unsaturated Zone 1	78	0.07	82	0.01	27	-0.22	26	-0.05
Kd of Np-237 in Saturated Zone	69	0.16	52	0.05	29	-0.21	30	-0.05
Kd of Pa-231 in Contaminated Zone	62	0.20	63	0.04	63	0.09	63	0.02
Kd of Pa-231 in Unsaturated Zone 1	8	-0.68	16	-0.17	34	0.19	34	0.04
Kd of Pa-231 in Saturated Zone	58	0.22	61	0.04	31	0.20	31	0.04
Kd of Pb-210 in Contaminated Zone	5	-0.76	1	-0.63	21	-0.25	22	-0.06
Kd of Pb-210 in Unsaturated Zone 1	67	-0.18	57	-0.04	33	-0.19	33	-0.04
Kd of Pb-210 in Saturated Zone	89	0.00	89	0.00	76	0.06	76	0.01
Kd of Pu-239 in Contaminated Zone	79	-0.06	81	-0.01	60	0.10	60	0.02
Kd of Pu-239 in Unsaturated Zone 1	46	-0.32	34	-0.09	26	0.23	27	0.05
Kd of Pu-239 in Saturated Zone	57	-0.24	29	-0.11	9	-0.36	9	-0.08
Kd of Ra-226 in Contaminated Zone	68	0.17	71	0.03	10	-0.33	10	-0.08
Kd of Ra-226 in Unsaturated Zone 1	18	-0.60	17	-0.16	80	-0.04	80	-0.01
Kd of Ra-226 in Saturated Zone	13	-0.63	3	-0.48	8	0.37	8	0.08
Kd of Ra-228 in Contaminated Zone	87	-0.01	83	-0.01	44	-0.16	45	-0.03
Kd of Ra-228 in Unsaturated Zone 1	49	0.30	48	0.06	84	-0.02	84	0.00
Kd of Ra-228 in Saturated Zone	72	-0.14	65	-0.04	16	-0.29	16	-0.07
Kd of Tc-99 in Saturated Zone	21	-0.56	11	-0.21	61	-0.10	61	-0.02
Kd of Th-228 in Contaminated Zone	15	-0.62	22	-0.14	6	0.40	6	0.10
Kd of Th-228 in Unsaturated Zone 1	2	-0.86	7	-0.35	7	-0.40	7	-0.10
Kd of Th-228 in Saturated Zone	51	-0.29	50	-0.05	32	-0.20	32	-0.04
Kd of Th-229 in Contaminated Zone	31	-0.43	31	-0.10	87	-0.01	87	0.00
Kd of Th-229 in Unsaturated Zone 1	84	0.03	85	0.00	15	-0.30	15	-0.07
Kd of Th-229 in Saturated Zone	19	0.58	5	0.44	57	0.11	58	0.02
Kd of Th-230 in Contaminated Zone	80	-0.06	76	-0.02	42	0.17	42	0.04
Kd of Th-230 in Unsaturated Zone 1	38	0.38	23	0.13	46	-0.15	46	-0.03
Kd of Th-230 in Saturated Zone	11	0.66	2	0.49	79	-0.04	79	-0.01
Kd of Th-232 in Contaminated Zone	43	-0.34	42	-0.07	53	-0.13	54	-0.03
Kd of Th-232 in Unsaturated Zone 1	48	0.31	56	0.04	67	0.07	67	0.02
Kd of Th-232 in Saturated Zone	40	0.38	33	0.09	62	-0.10	62	-0.02
Kd of U-233 in Saturated Zone	16	-0.62	14	-0.17	70	0.06	70	0.01
Kd of U-234 in Saturated Zone	73	0.13	67	0.03	49	0.14	49	0.03
Kd of U-235 in Saturated Zone	45	-0.32	45	-0.07	69	-0.07	69	-0.01
Kd of U-238 in Saturated Zone	81	0.05	73	0.03	64	0.09	64	0.02
Plant transfer factor for Ac	54	0.26	55	0.04	54	-0.13	53	-0.03
Meat transfer factor for Ac	82	-0.05	84	-0.01	40	-0.17	39	-0.04
Milk transfer factor for Ac	66	-0.18	68	-0.03	4	-0.45	4	-0.11
Fish transfer factor for Ac	26	-0.52	26	-0.12	19	-0.27	20	-0.06
Plant transfer factor for Am	65	0.18	69	0.03	56	0.11	56	0.03
Meat transfer factor for Am	60	-0.21	58	-0.04	52	-0.13	52	-0.03
Milk transfer factor for Am	86	0.02	87	0.00	38	-0.17	38	-0.04
Fish transfer factor for Am	88	0.00	88	0.00	17	0.27	17	0.06
Plant transfer factor for Pb	7	0.70	10	0.23	23	0.25	21	0.06
Meat transfer factor for Pb	50	0.29	54	0.05	78	-0.04	78	-0.01
Milk transfer factor for Pb	14	-0.62	24	-0.13	43	0.16	43	0.04
Fish transfer factor for Pb	24	-0.54	32	-0.09	24	-0.23	24	-0.05
Plant transfer factor for Np	52	0.26	41	0.07	55	-0.13	55	-0.03
Meat transfer factor for Np	71	-0.14	74	-0.02	65	0.09	65	0.02
Milk transfer factor for Np	12	-0.63	21	-0.14	45	-0.16	44	-0.03
Fish transfer factor for Np	28	-0.45	27	-0.12	75	0.06	75	0.01
Plant transfer factor for Pu	37	0.39	36	0.08	14	0.31	14	0.07
Meat transfer factor for Pu	29	-0.44	43	-0.07	48	0.15	48	0.03
Milk transfer factor for Pu	75	-0.13	77	-0.02	71	-0.06	71	-0.01
Fish transfer factor for Pu	85	-0.02	86	0.00	20	0.26	19	0.06
Plant transfer factor for Pa	27	0.50	19	0.14	72	-0.06	72	-0.01
Meat transfer factor for Pa	77	0.08	79	0.01	13	0.31	13	0.07
Milk transfer factor for Pa	42	-0.36	49	-0.06	89	0.00	89	0.00
Fish transfer factor for Pa	39	0.38	40	0.07	22	-0.25	23	-0.06
Plant transfer factor for Ra	1	0.96	4	0.45	2	0.89	2	0.42
Meat transfer factor for Ra	9	0.67	13	0.18	18	0.27	18	0.06
Milk transfer factor for Ra	47	0.32	53	0.05	35	0.19	36	0.04
Fish transfer factor for Ra	55	-0.25	62	-0.04	86	0.02	85	0.00
Plant transfer factor for Tc	34	-0.41	28	-0.12	28	-0.22	28	-0.05
Meat transfer factor for Tc	44	0.34	47	0.06	58	-0.11	57	-0.02
Milk transfer factor for Tc	41	-0.36	51	-0.05	50	0.14	50	0.03
Fish transfer factor for Tc	6	0.75	9	0.27	37	0.18	37	0.04
Plant transfer factor for Th	10	-0.66	12	-0.18	66	0.07	66	0.02
Meat transfer factor for Th	56	0.24	59	0.04	85	0.02	86	0.00
Milk transfer factor for Th	17	0.60	18	0.15	77	-0.04	77	-0.01
Fish transfer factor for Th	61	-0.20	66	-0.03	11	-0.33	11	-0.08
Plant transfer factor for U	30	-0.43	37	-0.08	81	0.03	81	0.01
Meat transfer factor for U	4	-0.78	15	-0.17	51	-0.14	51	-0.03
Milk transfer factor for U	25	-0.52	39	-0.08	30	0.21	29	0.05
Fish transfer factor for U	23	-0.55	20	-0.14	83	-0.02	83	0.00
Well pumping rate	63	0.19	64	0.04	3	0.51	3	0.13
Mass loading for inhalation	59	0.22	72	0.03	82	0.03	82	0.01
Indoor dust filtration factor	74	-0.13	75	-0.02	12	0.32	12	0.07
Depth of soil mixing layer	20	-0.57	30	-0.10	41	-0.17	41	-0.04
Depth of roots	3	0.86	8	0.34	1	0.96	1	0.75
Wet weight crop yield of fruit, grain and non-leafy vegetables	35	-0.39	44	-0.07	73	-0.06	73	-0.01
Weathering removal constant of all vegetation	32	0.43	35	0.09	36	-0.19	35	-0.04
Wet foliar interception fraction of leafy vegetables	76	-0.09	78	-0.02	68	0.07	68	0.01

R-SQUARE 0.99 0.99 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 Ra-228 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	16	-0.51	35	-0.11	75	0.07	75	0.01
Kd of Ac-227 in Unsaturated Zone 1	87	0.01	87	0.00	81	-0.05	81	-0.01
Kd of Ac-227 in Saturated Zone	33	0.38	29	0.13	20	-0.40	20	-0.06
Kd of Am-241 in Contaminated Zone	75	-0.10	76	-0.03	29	0.31	29	0.04
Kd of Am-241 in Unsaturated Zone 1	35	0.37	1	7.23	71	-0.09	71	-0.01
Kd of Am-241 in Saturated Zone	28	0.43	38	0.10	30	-0.31	31	-0.04
Kd of Np-237 in Contaminated Zone	40	-0.35	53	-0.08	85	-0.03	85	0.00
Kd of Np-237 in Unsaturated Zone 1	18	-0.49	16	-0.18	66	-0.12	66	-0.02
Kd of Np-237 in Saturated Zone	52	-0.26	49	-0.08	15	-0.45	15	-0.07
Kd of Pa-231 in Contaminated Zone	62	-0.19	69	-0.05	82	0.05	82	0.01
Kd of Pa-231 in Unsaturated Zone 1	76	0.10	72	0.04	22	0.38	22	0.06
Kd of Pa-231 in Saturated Zone	17	-0.51	15	-0.22	45	-0.20	45	-0.03
Kd of Pb-210 in Contaminated Zone	13	0.55	21	0.16	64	0.13	64	0.02
Kd of Pb-210 in Unsaturated Zone 1	8	-0.59	6	-0.37	12	0.47	12	0.07
Kd of Pb-210 in Saturated Zone	46	0.29	46	0.09	63	0.13	63	0.02
Kd of Pu-239 in Contaminated Zone	54	-0.24	50	-0.08	27	-0.32	27	-0.05
Kd of Pu-239 in Unsaturated Zone 1	22	-0.47	33	-0.12	18	-0.41	18	-0.06
Kd of Pu-239 in Saturated Zone	63	-0.19	65	-0.06	32	0.30	33	0.04
Kd of Ra-226 in Contaminated Zone	29	-0.41	34	-0.12	67	-0.11	67	-0.01
Kd of Ra-226 in Unsaturated Zone 1	85	0.03	84	0.01	44	-0.21	44	-0.03
Kd of Ra-226 in Saturated Zone	74	-0.10	74	-0.03	86	0.03	86	0.00
Kd of Ra-228 in Contaminated Zone	58	-0.21	61	-0.06	42	0.22	42	0.03
Kd of Ra-228 in Unsaturated Zone 1	37	-0.35	17	-0.18	59	-0.14	59	-0.02
Kd of Ra-228 in Saturated Zone	19	-0.48	27	-0.14	60	-0.14	60	-0.02
Kd of Tc-99 in Saturated Zone	6	-0.64	18	-0.18	74	-0.07	74	-0.01
Kd of Th-228 in Contaminated Zone	39	-0.35	45	-0.09	5	0.67	5	0.12
Kd of Th-228 in Unsaturated Zone 1	78	0.09	68	0.05	47	0.20	48	0.03
Kd of Th-228 in Saturated Zone	53	0.25	57	0.07	79	0.06	79	0.01
Kd of Th-229 in Contaminated Zone	51	-0.26	59	-0.06	46	-0.20	47	-0.03
Kd of Th-229 in Unsaturated Zone 1	86	-0.02	86	0.00	31	-0.31	30	-0.04
Kd of Th-229 in Saturated Zone	77	0.10	75	0.03	8	0.57	8	0.10
Kd of Th-230 in Contaminated Zone	26	-0.44	26	-0.14	65	0.13	65	0.02
Kd of Th-230 in Unsaturated Zone 1	81	-0.08	81	-0.02	24	0.35	24	0.05
Kd of Th-230 in Saturated Zone	21	-0.47	10	-0.28	14	-0.46	14	-0.07
Kd of Th-232 in Contaminated Zone	11	0.55	12	0.24	7	-0.58	7	-0.10
Kd of Th-232 in Unsaturated Zone 1	36	-0.36	2	-6.92	17	0.41	17	0.06
Kd of Th-232 in Saturated Zone	83	0.03	85	0.01	61	0.14	61	0.02
Kd of U-233 in Saturated Zone	3	-0.71	8	-0.29	43	-0.21	43	-0.03
Kd of U-234 in Saturated Zone	66	-0.18	55	-0.07	37	-0.25	37	-0.04
Kd of U-235 in Saturated Zone	48	0.28	25	0.15	70	-0.10	69	-0.01
Kd of U-238 in Saturated Zone	9	0.56	7	0.36	58	0.14	58	0.02
Plant transfer factor for Ac	55	0.24	37	0.10	4	-0.72	4	-0.14
Meat transfer factor for Ac	59	-0.21	56	-0.07	11	0.52	11	0.08
Milk transfer factor for Ac	73	0.11	77	0.03	77	0.06	77	0.01
Fish transfer factor for Ac	14	0.53	11	0.26	38	0.24	38	0.03
Plant transfer factor for Am	24	0.46	30	0.13	83	0.04	83	0.01
Meat transfer factor for Am	34	0.38	24	0.15	50	-0.19	50	-0.03
Milk transfer factor for Am	41	0.34	28	0.14	19	0.40	19	0.06
Fish transfer factor for Am	69	0.15	71	0.04	21	0.40	21	0.06
Plant transfer factor for Pb	43	-0.33	19	-0.17	35	-0.27	35	-0.04
Meat transfer factor for Pb	60	-0.21	58	-0.06	53	0.17	54	0.02
Milk transfer factor for Pb	72	-0.12	73	-0.03	88	0.02	88	0.00
Fish transfer factor for Pb	49	-0.28	66	-0.05	9	0.55	10	0.09
Plant transfer factor for Np	82	-0.05	82	-0.01	87	0.03	87	0.00
Meat transfer factor for Np	44	0.31	52	0.08	80	0.05	80	0.01
Milk transfer factor for Np	4	-0.69	5	-0.42	16	-0.43	16	-0.06
Fish transfer factor for Np	88	0.00	88	0.00	69	-0.10	70	-0.01
Plant transfer factor for Pu	38	-0.35	41	-0.10	52	0.17	52	0.02
Meat transfer factor for Pu	31	-0.39	42	-0.10	25	-0.34	25	-0.05
Milk transfer factor for Pu	61	0.21	63	0.06	84	-0.04	84	-0.01
Fish transfer factor for Pu	10	-0.56	32	-0.13	73	-0.09	73	-0.01
Plant transfer factor for Pa	80	-0.08	80	-0.02	89	0.00	89	0.00
Meat transfer factor for Pa	56	0.23	43	0.10	62	-0.13	62	-0.02
Milk transfer factor for Pa	70	0.15	62	0.06	33	-0.30	32	-0.04
Fish transfer factor for Pa	30	0.40	36	0.10	76	0.07	76	0.01
Plant transfer factor for Ra	1	0.92	3	0.89	2	0.90	2	0.28
Meat transfer factor for Ra	57	0.22	54	0.07	51	0.18	51	0.03
Milk transfer factor for Ra	15	-0.53	20	-0.16	48	-0.20	49	-0.03
Fish transfer factor for Ra	25	-0.46	44	-0.09	56	-0.15	56	-0.02
Plant transfer factor for Tc	68	-0.15	70	-0.04	49	-0.20	46	-0.03
Meat transfer factor for Tc	84	0.03	83	0.01	10	-0.55	9	-0.09
Milk transfer factor for Tc	42	-0.33	47	-0.09	57	0.15	57	0.02
Fish transfer factor for Tc	50	-0.27	40	-0.10	26	-0.34	26	-0.05
Plant transfer factor for Th	45	-0.29	51	-0.08	23	-0.37	23	-0.05
Meat transfer factor for Th	23	-0.46	9	-0.28	68	-0.11	68	-0.01
Milk transfer factor for Th	64	-0.19	64	-0.06	39	0.23	39	0.03
Fish transfer factor for Th	27	-0.43	39	-0.10	55	-0.16	53	-0.02
Plant transfer factor for U	5	0.66	14	0.23	3	0.77	3	0.16
Meat transfer factor for U	32	-0.39	31	-0.13	78	0.06	78	0.01
Milk transfer factor for U	47	-0.28	48	-0.09	72	-0.09	72	-0.01
Fish transfer factor for U	67	0.16	67	0.05	28	0.32	28	0.05
Well pumping rate	12	-0.55	22	-0.15	54	0.17	55	0.02
Mass loading for inhalation	65	0.19	60	0.06	13	0.47	13	0.07
Indoor dust filtration factor	7	0.59	13	0.23	6	0.61	6	0.10
Depth of soil mixing layer	20	-0.48	23	-0.15	40	-0.23	40	-0.03
Depth of roots	2	0.91	4	0.57	1	0.99	1	0.82
Wet weight crop yield of fruit, grain and non-leafy vegetables	79	-0.09	78	-0.02	36	-0.26	36	-0.04
Weathering removal constant of all vegetation	89	0.00	89	0.00	41	-0.22	41	-0.03
Wet foliar interception fraction of leafy vegetables	71	-0.13	79	-0.02	34	-0.28	34	-0.04

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 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	Sig
Kd of Ac-227 in Contaminated Zone	35	-0.43	44	-0.06	14	-0.63	14	-0.08	
Kd of Ac-227 in Unsaturated Zone 1	68	-0.19	78	-0.03	73	-0.14	74	-0.01	
Kd of Ac-227 in Saturated Zone	21	-0.52	17	-0.11	43	-0.36	43	-0.04	
Kd of Am-241 in Contaminated Zone	26	0.48	22	0.10	56	-0.24	56	-0.03	
Kd of Am-241 in Unsaturated Zone 1	32	-0.45	8	-0.18	27	-0.47	27	-0.06	
Kd of Am-241 in Saturated Zone	87	0.05	72	0.03	63	-0.21	63	-0.02	
Kd of Np-237 in Contaminated Zone	27	-0.48	5	-0.20	57	-0.23	58	-0.02	
Kd of Np-237 in Unsaturated Zone 1	78	-0.12	70	-0.03	41	-0.37	40	-0.04	
Kd of Np-237 in Saturated Zone	41	0.37	43	0.06	34	-0.42	33	-0.05	
Kd of Pa-231 in Contaminated Zone	74	-0.13	81	-0.02	11	0.71	11	0.10	
Kd of Pa-231 in Unsaturated Zone 1	82	0.09	47	0.06	19	-0.53	19	-0.06	
Kd of Pa-231 in Saturated Zone	58	0.28	65	0.04	29	-0.45	29	-0.05	
Kd of Pb-210 in Contaminated Zone	60	-0.25	59	-0.05	48	0.32	48	0.04	
Kd of Pb-210 in Unsaturated Zone 1	4	-0.67	3	-0.27	3	-0.80	3	-0.14	
Kd of Pb-210 in Saturated Zone	62	-0.23	48	-0.06	78	-0.11	78	-0.01	
Kd of Pu-239 in Contaminated Zone	61	0.25	41	0.06	54	-0.26	54	-0.03	
Kd of Pu-239 in Unsaturated Zone 1	71	0.16	68	0.03	75	0.13	75	0.01	
Kd of Pu-239 in Saturated Zone	46	-0.36	35	-0.07	35	-0.42	35	-0.05	
Kd of Ra-226 in Contaminated Zone	84	0.07	83	0.02	84	0.06	85	0.01	
Kd of Ra-226 in Unsaturated Zone 1	3	-0.72	4	-0.21	32	-0.45	32	-0.05	
Kd of Ra-226 in Saturated Zone	14	0.54	14	0.12	81	0.08	81	0.01	
Kd of Ra-228 in Contaminated Zone	22	0.50	6	0.20	82	0.07	82	0.01	
Kd of Ra-228 in Unsaturated Zone 1	85	0.05	88	0.01	67	-0.17	67	-0.02	
Kd of Ra-228 in Saturated Zone	47	0.35	31	0.08	40	-0.37	41	-0.04	
Kd of Tc-99 in Saturated Zone	17	0.53	24	0.10	52	0.28	52	0.03	
Kd of Th-228 in Contaminated Zone	29	-0.47	56	-0.05	77	0.12	77	0.01	
Kd of Th-228 in Unsaturated Zone 1	76	0.13	64	0.04	72	0.15	72	0.02	
Kd of Th-228 in Saturated Zone	69	0.18	54	0.05	87	-0.02	87	0.00	
Kd of Th-229 in Contaminated Zone	89	-0.02	89	0.00	36	-0.41	36	-0.05	
Kd of Th-229 in Unsaturated Zone 1	30	0.46	7	0.18	31	-0.45	30	-0.05	
Kd of Th-229 in Saturated Zone	57	-0.28	67	-0.04	55	0.25	55	0.03	
Kd of Th-230 in Contaminated Zone	72	-0.16	73	-0.03	62	0.21	62	0.02	
Kd of Th-230 in Unsaturated Zone 1	63	-0.23	49	-0.06	47	-0.32	47	-0.04	
Kd of Th-230 in Saturated Zone	43	0.37	39	0.07	20	0.51	20	0.06	
Kd of Th-232 in Contaminated Zone	6	-0.66	12	-0.14	38	0.40	39	0.05	
Kd of Th-232 in Unsaturated Zone 1	88	-0.04	86	-0.01	15	-0.62	15	-0.08	
Kd of Th-232 in Saturated Zone	44	-0.37	46	-0.06	69	-0.15	69	-0.02	
Kd of U-233 in Saturated Zone	5	-0.66	13	-0.14	26	0.48	25	0.06	
Kd of U-234 in Saturated Zone	79	-0.12	52	-0.06	65	-0.20	65	-0.02	
Kd of U-235 in Saturated Zone	83	0.09	79	0.02	49	-0.31	49	-0.03	
Kd of U-238 in Saturated Zone	77	0.13	77	0.03	80	0.09	80	0.01	
Plant transfer factor for Ac	80	0.11	85	0.02	9	0.71	9	0.11	
Meat transfer factor for Ac	38	0.42	42	0.06	6	0.75	6	0.12	
Milk transfer factor for Ac	65	0.22	61	0.05	17	-0.57	16	-0.07	
Fish transfer factor for Ac	19	-0.52	20	-0.11	13	-0.65	13	-0.09	
Plant transfer factor for Am	11	0.58	25	0.09	60	-0.22	60	-0.02	
Meat transfer factor for Am	13	-0.56	10	-0.15	37	0.41	37	0.05	
Milk transfer factor for Am	49	-0.35	45	-0.06	4	0.77	4	0.13	
Fish transfer factor for Am	52	-0.32	40	-0.07	68	0.16	68	0.02	
Plant transfer factor for Pb	31	0.46	18	0.11	45	0.34	45	0.04	
Meat transfer factor for Pb	8	-0.62	23	-0.10	59	0.22	59	0.02	
Milk transfer factor for Pb	70	-0.17	76	-0.03	61	-0.21	61	-0.02	
Fish transfer factor for Pb	66	0.22	69	0.03	76	0.13	76	0.01	
Plant transfer factor for Np	50	0.33	55	0.05	39	-0.40	38	-0.05	
Meat transfer factor for Np	51	-0.32	63	-0.05	30	0.45	31	0.05	
Milk transfer factor for Np	34	-0.44	36	-0.07	64	-0.21	64	-0.02	
Fish transfer factor for Np	24	-0.49	9	-0.16	12	-0.66	12	-0.09	
Plant transfer factor for Pu	73	-0.15	82	-0.02	53	-0.27	53	-0.03	
Meat transfer factor for Pu	10	-0.60	28	-0.09	86	-0.05	86	-0.01	
Milk transfer factor for Pu	40	-0.40	38	-0.07	70	-0.15	70	-0.02	
Fish transfer factor for Pu	59	-0.26	75	-0.03	46	0.33	46	0.04	
Plant transfer factor for Pa	25	0.49	21	0.10	10	-0.71	10	-0.11	
Meat transfer factor for Pa	55	0.30	66	0.04	42	-0.36	42	-0.04	
Milk transfer factor for Pa	20	0.52	29	0.09	7	-0.74	8	-0.12	
Fish transfer factor for Pa	18	0.52	11	0.15	50	0.30	50	0.03	
Plant transfer factor for Ra	33	0.44	34	0.07	85	0.06	84	0.01	
Meat transfer factor for Ra	23	-0.50	16	-0.11	5	-0.76	5	-0.12	
Milk transfer factor for Ra	9	0.60	15	0.11	66	0.19	66	0.02	
Fish transfer factor for Ra	54	-0.31	30	-0.08	74	0.14	73	0.01	
Plant transfer factor for Tc	1	0.99	1	0.95	2	0.99	2	0.61	
Meat transfer factor for Tc	86	-0.05	87	-0.01	16	0.58	17	0.07	
Milk transfer factor for Tc	15	0.54	26	0.09	89	0.00	89	0.00	
Fish transfer factor for Tc	12	0.56	27	0.09	71	0.15	71	0.02	
Plant transfer factor for Th	28	0.48	33	0.08	24	0.50	24	0.06	
Meat transfer factor for Th	42	-0.37	37	-0.07	23	0.50	23	0.06	
Milk transfer factor for Th	36	-0.42	50	-0.06	18	-0.55	18	-0.07	
Fish transfer factor for Th	67	0.20	74	0.03	21	-0.51	21	-0.06	
Plant transfer factor for U	75	-0.13	84	-0.02	25	0.48	26	0.06	
Meat transfer factor for U	39	0.41	51	0.06	22	0.51	22	0.06	
Milk transfer factor for U	53	0.32	62	0.05	44	0.34	44	0.04	
Fish transfer factor for U	16	0.53	32	0.08	79	-0.11	79	-0.01	
Well pumping rate	45	-0.36	58	-0.05	8	-0.74	7	-0.12	
Mass loading for inhalation	37	0.42	53	0.06	58	0.22	57	0.02	
Indoor dust filtration factor	48	0.35	60	0.05	88	-0.02	88	0.00	
Depth of soil mixing layer	64	-0.23	71	-0.03	51	-0.28	51	-0.03	
Depth of roots	2	0.93	2	0.29	1	0.99	1	0.67	
Wet weight crop yield of fruit, grain and non-leafy vegetables	7	-0.63	19	-0.11	83	-0.06	83	-0.01	
Weathering removal constant of all vegetation	56	-0.30	57	-0.05	28	0.46	28	0.05	
Wet foliar interception fraction of leafy vegetables	81	-0.11	80	-0.02	33	-0.42	34	-0.05	
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 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	3	-0.94	2	-0.39	35	-0.24	36	-0.04	
Kd of Ac-227 in Unsaturated Zone 1	58	0.28	48	0.04	34	0.24	34	0.04	
Kd of Ac-227 in Saturated Zone	6	-0.81	22	-0.08	67	-0.08	67	-0.01	
Kd of Am-241 in Contaminated Zone	48	0.37	55	0.03	11	-0.41	12	-0.08	
Kd of Am-241 in Unsaturated Zone 1	66	0.21	19	0.08	33	0.25	32	0.05	
Kd of Am-241 in Saturated Zone	70	-0.15	65	-0.02	21	-0.31	22	-0.06	
Kd of Np-237 in Contaminated Zone	82	0.04	81	0.00	88	-0.02	88	0.00	
Kd of Np-237 in Unsaturated Zone 1	53	-0.33	61	-0.03	87	0.02	87	0.00	
Kd of Np-237 in Saturated Zone	88	0.01	88	0.00	79	0.05	79	0.01	
Kd of Pa-231 in Contaminated Zone	24	-0.56	31	-0.06	39	-0.22	39	-0.04	
Kd of Pa-231 in Unsaturated Zone 1	12	0.67	21	0.08	56	0.12	57	0.02	
Kd of Pa-231 in Saturated Zone	8	0.74	14	0.09	36	-0.23	35	-0.04	
Kd of Pb-210 in Contaminated Zone	25	-0.55	5	-0.17	15	-0.38	16	-0.07	
Kd of Pb-210 in Unsaturated Zone 1	86	-0.02	85	0.00	24	0.30	24	0.05	
Kd of Pb-210 in Saturated Zone	59	-0.28	63	-0.02	25	0.29	25	0.05	
Kd of Pu-239 in Contaminated Zone	46	0.40	49	0.04	72	0.06	73	0.01	
Kd of Pu-239 in Unsaturated Zone 1	39	0.45	26	0.07	20	0.34	20	0.06	
Kd of Pu-239 in Saturated Zone	32	0.50	9	0.13	76	0.05	77	0.01	
Kd of Ra-226 in Contaminated Zone	43	-0.43	46	-0.04	77	-0.05	76	-0.01	
Kd of Ra-226 in Unsaturated Zone 1	20	-0.59	23	-0.08	45	0.18	45	0.03	
Kd of Ra-226 in Saturated Zone	21	0.58	4	0.20	51	0.14	52	0.02	
Kd of Ra-228 in Contaminated Zone	65	-0.23	17	-0.09	38	-0.23	38	-0.04	
Kd of Ra-228 in Unsaturated Zone 1	29	0.52	37	0.05	85	-0.02	85	0.00	
Kd of Ra-228 in Saturated Zone	71	0.15	67	0.02	78	-0.05	78	-0.01	
Kd of Tc-99 in Saturated Zone	61	0.25	45	0.04	29	0.26	29	0.05	
Kd of Th-228 in Contaminated Zone	17	0.62	29	0.07	46	-0.17	46	-0.03	
Kd of Th-228 in Unsaturated Zone 1	87	-0.02	87	0.00	86	0.02	86	0.00	
Kd of Th-228 in Saturated Zone	4	-0.87	7	-0.15	40	-0.21	40	-0.04	
Kd of Th-229 in Contaminated Zone	73	0.10	73	0.01	75	0.05	75	0.01	
Kd of Th-229 in Unsaturated Zone 1	41	-0.44	54	-0.03	61	-0.09	61	-0.02	
Kd of Th-229 in Saturated Zone	44	0.43	8	0.14	54	-0.14	54	-0.02	
Kd of Th-230 in Contaminated Zone	18	0.61	11	0.12	44	0.19	44	0.03	
Kd of Th-230 in Unsaturated Zone 1	54	-0.33	36	-0.05	62	-0.09	62	-0.02	
Kd of Th-230 in Saturated Zone	30	-0.52	6	-0.16	12	-0.41	13	-0.08	
Kd of Th-232 in Contaminated Zone	22	0.57	28	0.07	65	-0.08	66	-0.01	
Kd of Th-232 in Unsaturated Zone 1	5	-0.81	18	-0.09	66	-0.08	65	-0.01	
Kd of Th-232 in Saturated Zone	56	-0.30	53	-0.03	27	0.28	27	0.05	
Kd of U-233 in Saturated Zone	15	0.65	16	0.09	14	0.38	14	0.07	
Kd of U-234 in Saturated Zone	35	-0.49	27	-0.07	42	0.20	42	0.04	
Kd of U-235 in Saturated Zone	31	-0.51	35	-0.05	37	0.23	37	0.04	
Kd of U-238 in Saturated Zone	55	-0.31	20	-0.08	64	0.08	64	0.01	
Plant transfer factor for Ac	13	0.66	25	0.07	55	0.13	55	0.02	
Meat transfer factor for Ac	64	0.23	64	0.02	47	-0.16	47	-0.03	
Milk transfer factor for Ac	14	-0.65	24	-0.07	8	-0.45	8	-0.09	
Fish transfer factor for Ac	11	-0.69	13	-0.10	81	0.03	81	0.01	
Plant transfer factor for Am	47	-0.40	51	-0.04	16	-0.38	15	-0.07	
Meat transfer factor for Am	81	-0.05	79	-0.01	83	-0.03	82	-0.01	
Milk transfer factor for Am	50	0.36	58	0.03	84	0.03	84	0.00	
Fish transfer factor for Am	69	-0.17	69	-0.02	30	0.26	30	0.05	
Plant transfer factor for Pb	37	0.47	33	0.06	13	0.41	11	0.08	
Meat transfer factor for Pb	26	-0.55	39	-0.05	23	0.30	23	0.06	
Milk transfer factor for Pb	52	0.33	59	0.03	60	0.10	60	0.02	
Fish transfer factor for Pb	27	0.54	41	0.05	68	-0.07	68	-0.01	
Plant transfer factor for Np	60	-0.27	50	-0.04	4	-0.57	4	-0.13	
Meat transfer factor for Np	7	-0.75	15	-0.09	22	-0.30	21	-0.06	
Milk transfer factor for Np	19	0.61	30	0.06	71	-0.06	71	-0.01	
Fish transfer factor for Np	9	-0.73	10	-0.13	10	0.42	10	0.08	
Plant transfer factor for Pu	57	0.28	60	0.03	28	-0.27	28	-0.05	
Meat transfer factor for Pu	33	0.49	44	0.04	31	-0.25	33	-0.05	
Milk transfer factor for Pu	68	-0.19	70	-0.01	74	0.05	74	0.01	
Fish transfer factor for Pu	89	-0.01	89	0.00	7	0.45	7	0.09	
Plant transfer factor for Pa	77	0.08	74	0.01	26	-0.29	26	-0.05	
Meat transfer factor for Pa	16	0.62	34	0.06	70	0.06	70	0.01	
Milk transfer factor for Pa	62	0.25	68	0.02	43	0.19	43	0.03	
Fish transfer factor for Pa	75	0.09	76	0.01	50	-0.14	50	-0.03	
Plant transfer factor for Ra	79	-0.07	83	0.00	63	0.09	63	0.02	
Meat transfer factor for Ra	36	-0.47	38	-0.05	5	0.50	5	0.10	
Milk transfer factor for Ra	42	-0.44	52	-0.04	59	-0.10	59	-0.02	
Fish transfer factor for Ra	78	-0.07	78	-0.01	57	-0.12	56	-0.02	
Plant transfer factor for Tc	1	0.99	1	0.88	1	0.96	1	0.65	
Meat transfer factor for Tc	84	0.04	84	0.00	89	-0.01	89	0.00	
Milk transfer factor for Tc	67	-0.19	71	-0.01	69	-0.07	69	-0.01	
Fish transfer factor for Tc	83	-0.04	80	-0.01	48	0.16	48	0.03	
Plant transfer factor for Th	40	-0.44	40	-0.05	9	-0.45	9	-0.09	
Meat transfer factor for Th	49	0.36	57	0.03	6	0.48	6	0.10	
Milk transfer factor for Th	28	-0.54	32	-0.06	73	-0.06	72	-0.01	
Fish transfer factor for Th	72	0.12	72	0.01	80	-0.04	80	-0.01	
Plant transfer factor for U	51	-0.36	56	-0.03	82	-0.03	83	-0.01	
Meat transfer factor for U	34	0.49	47	0.04	49	0.16	49	0.03	
Milk transfer factor for U	23	0.57	42	0.04	3	0.62	3	0.14	
Fish transfer factor for U	10	0.73	12	0.11	17	0.36	17	0.07	
Well pumping rate	85	-0.02	86	0.00	32	0.25	31	0.05	
Mass loading for inhalation	45	-0.41	62	-0.03	18	0.35	18	0.07	
Indoor dust filtration factor	38	0.45	43	0.04	41	0.21	41	0.04	
Depth of soil mixing layer	76	-0.08	77	-0.01	58	-0.10	58	-0.02	
Depth of roots	2	0.95	3	0.31	2	0.96	2	0.61	
Wet weight crop yield of fruit, grain and non-leafy vegetables	63	-0.24	66	-0.02	19	0.35	19	0.07	
Weathering removal constant of all vegetation	74	0.10	75	0.01	53	0.14	53	0.02	
Wet foliar interception fraction of leafy vegetables	80	-0.06	82	0.00	52	0.14	51	0.02	

-R-SQUARE 1.00 1.00 0.97 0.97
 -Rank is set to zero if the dose is zero or the correlation matrix is singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak 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	9	-0.51	24	-0.14	28	-0.39	27	-0.05	
Kd of Ac-227 in Unsaturated Zone 1	36	-0.23	42	-0.08	77	-0.09	77	-0.01	
Kd of Ac-227 in Saturated Zone	19	-0.38	19	-0.16	64	-0.16	65	-0.02	
Kd of Am-241 in Contaminated Zone	75	-0.05	75	-0.02	27	-0.40	28	-0.05	
Kd of Am-241 in Unsaturated Zone 1	83	-0.02	3	-0.41	73	-0.11	73	-0.01	
Kd of Am-241 in Saturated Zone	74	-0.05	80	-0.01	51	-0.25	51	-0.03	
Kd of Np-237 in Contaminated Zone	47	0.18	60	0.05	69	0.15	69	0.02	
Kd of Np-237 in Unsaturated Zone 1	82	-0.03	82	-0.01	76	-0.10	76	-0.01	
Kd of Np-237 in Saturated Zone	70	-0.07	71	-0.03	88	0.01	88	0.00	
Kd of Pa-231 in Contaminated Zone	41	0.21	51	0.06	19	-0.45	19	-0.06	
Kd of Pa-231 in Unsaturated Zone 1	21	0.34	15	0.18	23	0.44	23	0.06	
Kd of Pa-231 in Saturated Zone	44	0.19	38	0.09	31	0.38	31	0.05	
Kd of Pb-210 in Contaminated Zone	64	0.10	69	0.03	72	-0.12	72	-0.01	
Kd of Pb-210 in Unsaturated Zone 1	35	0.23	22	0.15	61	0.17	62	0.02	
Kd of Pb-210 in Saturated Zone	34	-0.24	36	-0.09	78	0.08	78	0.01	
Kd of Pu-239 in Contaminated Zone	39	0.22	37	0.09	26	-0.41	26	-0.05	
Kd of Pu-239 in Unsaturated Zone 1	78	0.04	81	0.01	39	0.31	43	0.04	
Kd of Pu-239 in Saturated Zone	15	0.40	21	0.15	74	-0.11	74	-0.01	
Kd of Ra-226 in Contaminated Zone	3	0.70	8	0.31	7	0.63	7	0.10	
Kd of Ra-226 in Unsaturated Zone 1	49	-0.17	52	-0.06	48	-0.27	48	-0.04	
Kd of Ra-226 in Saturated Zone	59	-0.14	54	-0.05	9	0.60	9	0.09	
Kd of Ra-228 in Contaminated Zone	73	0.05	74	0.02	21	0.44	20	0.06	
Kd of Ra-228 in Unsaturated Zone 1	26	0.29	16	0.18	57	0.21	57	0.03	
Kd of Ra-228 in Saturated Zone	43	-0.20	48	-0.06	5	-0.68	5	-0.11	
Kd of Tc-99 in Saturated Zone	52	-0.16	64	-0.04	52	-0.23	52	-0.03	
Kd of Th-228 in Contaminated Zone	18	0.38	27	0.13	10	0.60	10	0.09	
Kd of Th-228 in Unsaturated Zone 1	28	0.25	17	0.18	53	-0.22	53	-0.03	
Kd of Th-228 in Saturated Zone	81	0.03	83	0.01	54	-0.22	54	-0.03	
Kd of Th-229 in Contaminated Zone	8	-0.51	18	-0.17	55	-0.22	55	-0.03	
Kd of Th-229 in Unsaturated Zone 1	76	-0.05	78	-0.01	81	-0.06	81	-0.01	
Kd of Th-229 in Saturated Zone	27	-0.28	30	-0.12	25	-0.43	25	-0.06	
Kd of Th-230 in Contaminated Zone	86	-0.01	85	0.00	37	0.32	37	0.04	
Kd of Th-230 in Unsaturated Zone 1	53	-0.16	63	-0.04	42	0.31	42	0.04	
Kd of Th-230 in Saturated Zone	25	-0.30	12	-0.20	80	0.08	80	0.01	
Kd of Th-232 in Contaminated Zone	71	-0.07	70	-0.03	32	-0.35	32	-0.05	
Kd of Th-232 in Unsaturated Zone 1	84	0.01	10	0.23	70	0.14	70	0.02	
Kd of Th-232 in Saturated Zone	72	-0.06	76	-0.02	45	-0.29	44	-0.04	
Kd of U-233 in Saturated Zone	10	0.48	14	0.19	3	0.74	3	0.13	
Kd of U-234 in Saturated Zone	14	0.43	11	0.21	46	0.29	46	0.04	
Kd of U-235 in Saturated Zone	45	0.18	34	0.11	8	0.60	8	0.09	
Kd of U-238 in Saturated Zone	48	-0.17	33	-0.12	36	-0.33	36	-0.04	
Plant transfer factor for Ac	51	0.16	40	0.09	49	-0.25	50	-0.03	
Meat transfer factor for Ac	38	0.22	41	0.08	65	-0.16	66	-0.02	
Milk transfer factor for Ac	33	-0.24	46	-0.07	30	-0.38	30	-0.05	
Fish transfer factor for Ac	31	-0.25	26	-0.13	34	0.34	34	0.04	
Plant transfer factor for Am	57	0.14	61	0.05	83	-0.05	83	-0.01	
Meat transfer factor for Am	30	-0.25	32	-0.12	22	0.44	22	0.06	
Milk transfer factor for Am	5	-0.56	6	-0.32	4	-0.70	4	-0.12	
Fish transfer factor for Am	66	0.09	68	0.03	15	0.47	16	0.06	
Plant transfer factor for Pb	6	0.55	4	0.39	56	-0.21	56	-0.03	
Meat transfer factor for Pb	65	0.10	65	0.04	63	-0.16	63	-0.02	
Milk transfer factor for Pb	17	-0.38	23	-0.14	71	-0.14	71	-0.02	
Fish transfer factor for Pb	40	0.21	57	0.05	18	0.46	18	0.06	
Plant transfer factor for Np	77	-0.05	79	-0.01	47	0.29	47	0.04	
Meat transfer factor for Np	85	0.01	86	0.00	86	0.02	86	0.00	
Milk transfer factor for Np	62	0.12	49	0.06	24	0.44	24	0.06	
Fish transfer factor for Np	58	0.14	43	0.08	12	0.54	12	0.08	
Plant transfer factor for Pu	89	0.00	89	0.00	17	-0.46	15	-0.06	
Meat transfer factor for Pu	50	0.17	59	0.05	58	-0.20	58	-0.02	
Milk transfer factor for Pu	56	-0.15	56	-0.05	44	0.29	45	0.04	
Fish transfer factor for Pu	11	-0.45	31	-0.12	40	-0.31	40	-0.04	
Plant transfer factor for Pa	68	-0.07	73	-0.02	84	-0.05	84	-0.01	
Meat transfer factor for Pa	61	-0.13	50	-0.06	35	0.33	35	0.04	
Milk transfer factor for Pa	67	-0.09	62	-0.05	43	-0.31	41	-0.04	
Fish transfer factor for Pa	32	-0.24	45	-0.07	50	-0.25	49	-0.03	
Plant transfer factor for Ra	7	-0.54	7	-0.31	89	0.01	89	0.00	
Meat transfer factor for Ra	69	-0.07	72	-0.03	79	-0.08	79	-0.01	
Milk transfer factor for Ra	12	-0.44	20	-0.16	41	-0.31	39	-0.04	
Fish transfer factor for Ra	29	0.25	53	0.06	38	-0.32	38	-0.04	
Plant transfer factor for Tc	1	0.91	1	0.72	2	0.98	2	0.56	
Meat transfer factor for Tc	22	-0.33	25	-0.14	75	0.11	75	0.01	
Milk transfer factor for Tc	63	-0.11	66	-0.04	29	-0.39	29	-0.05	
Fish transfer factor for Tc	88	0.00	88	0.00	6	0.67	6	0.11	
Plant transfer factor for Th	55	0.15	58	0.05	14	0.51	13	0.07	
Meat transfer factor for Th	13	0.44	5	0.32	68	0.15	68	0.02	
Milk transfer factor for Th	79	-0.04	77	-0.01	11	0.58	11	0.09	
Fish transfer factor for Th	60	0.13	67	0.03	66	0.16	61	0.02	
Plant transfer factor for U	54	-0.16	55	-0.05	87	-0.02	87	0.00	
Meat transfer factor for U	46	0.18	47	0.07	13	-0.51	14	-0.07	
Milk transfer factor for U	87	0.00	87	0.00	85	0.04	85	0.01	
Fish transfer factor for U	24	0.30	28	0.12	82	0.06	82	0.01	
Well pumping rate	20	0.35	35	0.11	67	0.15	67	0.02	
Mass loading for inhalation	42	0.20	39	0.09	59	0.18	59	0.02	
Indoor dust filtration factor	23	0.31	29	0.12	20	0.45	21	0.06	
Depth of soil mixing layer	37	-0.22	44	-0.08	16	0.46	17	0.06	
Depth of roots	2	0.88	2	0.58	1	0.98	1	0.70	
Wet weight crop yield of fruit, grain and non-leafy vegetables	4	-0.64	9	-0.28	60	-0.18	60	-0.02	
Weathering removal constant of all vegetation	16	-0.40	13	-0.20	33	0.35	33	0.05	
Wet foliar interception fraction of leafy vegetables	80	0.03	84	0.01	62	-0.17	64	-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 Th-228 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	66	0.17	73	0.05	51	-0.33	52	-0.03
Kd of Ac-227 in Unsaturated Zone 1	20	0.49	31	0.15	56	-0.29	56	-0.03
Kd of Ac-227 in Saturated Zone	4	0.63	12	0.29	81	-0.09	81	-0.01
Kd of Am-241 in Contaminated Zone	33	-0.41	26	-0.16	4	0.76	4	0.11
Kd of Am-241 in Unsaturated Zone 1	40	0.36	13	0.28	76	-0.13	76	-0.01
Kd of Am-241 in Saturated Zone	12	0.57	1	0.92	16	-0.62	16	-0.07
Kd of Np-237 in Contaminated Zone	77	-0.08	71	-0.06	8	-0.72	8	-0.10
Kd of Np-237 in Unsaturated Zone 1	13	-0.55	10	-0.33	59	-0.27	60	-0.03
Kd of Np-237 in Saturated Zone	35	0.40	34	0.14	60	0.27	59	0.03
Kd of Pa-231 in Contaminated Zone	55	0.25	58	0.08	74	0.15	73	0.01
Kd of Pa-231 in Unsaturated Zone 1	8	-0.58	2	-0.90	22	-0.58	22	-0.07
Kd of Pa-231 in Saturated Zone	23	-0.48	25	-0.17	42	-0.39	44	-0.04
Kd of Pb-210 in Contaminated Zone	11	0.57	15	0.27	67	0.21	67	0.02
Kd of Pb-210 in Unsaturated Zone 1	62	-0.21	39	-0.13	33	0.44	33	0.05
Kd of Pb-210 in Saturated Zone	71	-0.12	68	-0.06	41	-0.39	41	-0.04
Kd of Pu-239 in Contaminated Zone	18	-0.50	11	-0.29	65	-0.24	65	-0.02
Kd of Pu-239 in Unsaturated Zone 1	32	-0.41	23	-0.18	40	-0.39	39	-0.04
Kd of Pu-239 in Saturated Zone	79	-0.07	79	-0.02	86	-0.07	86	-0.01
Kd of Ra-226 in Contaminated Zone	10	-0.58	7	-0.36	11	0.67	12	0.08
Kd of Ra-226 in Unsaturated Zone 1	65	-0.18	65	-0.07	5	0.75	5	0.11
Kd of Ra-226 in Saturated Zone	53	-0.27	47	-0.11	79	0.10	79	0.01
Kd of Ra-228 in Contaminated Zone	76	0.08	70	0.06	61	-0.26	61	-0.02
Kd of Ra-228 in Unsaturated Zone 1	89	-0.01	89	0.00	46	-0.36	46	-0.04
Kd of Ra-228 in Saturated Zone	68	0.16	66	0.07	68	0.19	68	0.02
Kd of Tc-99 in Saturated Zone	37	0.40	35	0.13	36	-0.41	36	-0.04
Kd of Th-228 in Contaminated Zone	85	0.03	86	0.01	53	0.33	53	0.03
Kd of Th-228 in Unsaturated Zone 1	69	-0.16	46	-0.11	82	0.08	82	0.01
Kd of Th-228 in Saturated Zone	61	0.22	36	0.13	34	-0.43	35	-0.04
Kd of Th-229 in Contaminated Zone	21	0.48	33	0.15	84	-0.08	84	-0.01
Kd of Th-229 in Unsaturated Zone 1	28	-0.45	8	-0.35	55	-0.31	55	-0.03
Kd of Th-229 in Saturated Zone	72	0.12	77	0.03	63	-0.24	63	-0.02
Kd of Th-230 in Contaminated Zone	41	0.36	32	0.15	45	0.37	45	0.04
Kd of Th-230 in Unsaturated Zone 1	78	0.07	74	0.03	57	-0.28	57	-0.03
Kd of Th-230 in Saturated Zone	80	0.06	80	0.02	30	0.50	30	0.05
Kd of Th-232 in Contaminated Zone	29	0.43	28	0.16	20	0.59	21	0.07
Kd of Th-232 in Unsaturated Zone 1	50	0.28	38	0.13	3	-0.80	3	-0.12
Kd of Th-232 in Saturated Zone	67	0.17	72	0.05	50	-0.34	50	-0.03
Kd of U-233 in Saturated Zone	57	0.24	60	0.08	17	0.61	17	0.07
Kd of U-234 in Saturated Zone	5	0.61	3	0.70	25	0.54	26	0.06
Kd of U-235 in Saturated Zone	64	0.18	53	0.10	32	-0.47	32	-0.05
Kd of U-238 in Saturated Zone	56	-0.25	48	-0.11	14	-0.64	14	-0.08
Plant transfer factor for Ac	38	-0.39	41	-0.12	52	0.33	51	0.03
Meat transfer factor for Ac	39	-0.38	45	-0.11	54	-0.32	54	-0.03
Milk transfer factor for Ac	19	-0.50	17	-0.23	21	-0.59	19	-0.07
Fish transfer factor for Ac	59	0.23	57	0.08	43	0.39	43	0.04
Plant transfer factor for Am	34	-0.41	42	-0.12	64	-0.24	64	-0.02
Meat transfer factor for Am	3	0.67	5	0.41	69	-0.18	69	-0.02
Milk transfer factor for Am	9	-0.58	16	-0.24	78	-0.11	78	-0.01
Fish transfer factor for Am	58	0.24	52	0.10	38	-0.40	37	-0.04
Plant transfer factor for Pb	84	0.04	81	0.02	28	0.52	28	0.06
Meat transfer factor for Pb	44	-0.32	56	-0.08	10	-0.69	10	-0.09
Milk transfer factor for Pb	86	0.03	85	0.01	73	0.15	75	0.01
Fish transfer factor for Pb	7	0.58	20	0.21	75	-0.14	74	-0.01
Plant transfer factor for Np	82	0.05	83	0.02	18	-0.60	18	-0.07
Meat transfer factor for Np	83	-0.05	84	-0.01	6	-0.74	6	-0.10
Milk transfer factor for Np	54	-0.25	64	-0.07	80	-0.09	80	-0.01
Fish transfer factor for Np	15	0.54	6	0.36	29	-0.51	29	-0.06
Plant transfer factor for Pu	88	0.01	88	0.00	12	-0.67	11	-0.09
Meat transfer factor for Pu	36	0.40	49	0.10	70	-0.18	70	-0.02
Milk transfer factor for Pu	60	0.23	63	0.07	27	0.53	27	0.06
Fish transfer factor for Pu	27	-0.45	44	-0.11	49	-0.35	49	-0.03
Plant transfer factor for Pa	16	0.54	18	0.23	44	-0.38	42	-0.04
Meat transfer factor for Pa	22	0.48	40	0.13	71	0.17	71	0.02
Milk transfer factor for Pa	31	0.42	37	0.13	47	-0.36	48	-0.04
Fish transfer factor for Pa	47	0.30	30	0.15	48	-0.36	47	-0.04
Plant transfer factor for Ra	81	-0.05	82	-0.02	35	-0.43	34	-0.05
Meat transfer factor for Ra	24	-0.48	19	-0.21	83	0.08	83	0.01
Milk transfer factor for Ra	46	0.32	50	0.10	13	-0.66	13	-0.08
Fish transfer factor for Ra	25	0.46	14	0.27	19	0.60	20	0.07
Plant transfer factor for Tc	52	0.28	55	0.09	66	0.21	66	0.02
Meat transfer factor for Tc	30	0.43	27	0.16	62	0.25	62	0.02
Milk transfer factor for Tc	63	-0.21	67	-0.06	9	-0.71	9	-0.10
Fish transfer factor for Tc	74	-0.11	76	-0.03	89	-0.01	89	0.00
Plant transfer factor for Th	1	0.92	4	0.66	2	0.98	2	0.41
Meat transfer factor for Th	45	-0.32	43	-0.12	88	-0.04	88	0.00
Milk transfer factor for Th	51	-0.28	62	-0.07	87	0.06	87	0.01
Fish transfer factor for Th	17	0.51	22	0.18	26	-0.53	25	-0.06
Plant transfer factor for U	42	0.36	54	0.09	39	0.39	40	0.04
Meat transfer factor for U	75	0.10	78	0.03	7	0.73	7	0.10
Milk transfer factor for U	73	-0.12	75	-0.03	58	0.28	58	0.03
Fish transfer factor for U	49	0.29	61	0.08	77	0.13	77	0.01
Well pumping rate	43	0.35	51	0.10	31	-0.47	31	-0.05
Mass loading for inhalation	14	-0.54	29	-0.15	15	-0.62	15	-0.08
Indoor dust filtration factor	6	0.59	21	0.19	72	0.16	72	0.02
Depth of soil mixing layer	48	0.29	59	0.08	24	0.55	24	0.06
Depth of roots	2	0.83	9	0.34	1	0.99	1	0.77
Wet weight crop yield of fruit, grain and non-leafy vegetables	87	-0.01	87	0.00	37	-0.41	38	-0.04
Weathering removal constant of all vegetation	26	0.46	24	0.17	85	0.08	85	0.01
Wet foliar interception fraction of leafy vegetables	70	0.14	69	0.06	23	-0.57	23	-0.07

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 Th-228 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	35	0.23	21	0.21	71	0.10	71	0.01
Kd of Ac-227 in Unsaturated Zone 1	50	0.16	40	0.13	85	0.03	85	0.00
Kd of Ac-227 in Saturated Zone	42	0.19	62	0.07	41	-0.28	42	-0.04
Kd of Am-241 in Contaminated Zone	53	-0.15	59	-0.08	53	-0.20	53	-0.03
Kd of Am-241 in Unsaturated Zone 1	30	0.27	3	0.66	24	-0.41	24	-0.06
Kd of Am-241 in Saturated Zone	11	-0.38	10	-0.34	12	-0.50	12	-0.07
Kd of Np-237 in Contaminated Zone	70	-0.09	66	-0.06	45	0.25	45	0.03
Kd of Np-237 in Unsaturated Zone 1	73	0.07	75	0.03	32	-0.33	32	-0.04
Kd of Np-237 in Saturated Zone	45	-0.19	30	-0.18	3	0.66	3	0.11
Kd of Pa-231 in Contaminated Zone	7	-0.43	15	-0.27	37	-0.30	37	-0.04
Kd of Pa-231 in Unsaturated Zone 1	34	0.24	39	0.13	51	0.22	51	0.03
Kd of Pa-231 in Saturated Zone	78	-0.05	76	-0.03	31	0.34	31	0.05
Kd of Pb-210 in Contaminated Zone	33	0.25	6	0.41	18	-0.45	19	-0.06
Kd of Pb-210 in Unsaturated Zone 1	69	-0.09	64	-0.06	88	0.01	88	0.00
Kd of Pb-210 in Saturated Zone	28	0.27	37	0.14	23	0.42	23	0.06
Kd of Pu-239 in Contaminated Zone	15	-0.36	24	-0.20	55	-0.18	56	-0.02
Kd of Pu-239 in Unsaturated Zone 1	36	0.23	27	0.19	10	0.52	11	0.08
Kd of Pu-239 in Saturated Zone	55	0.14	25	0.20	26	-0.40	26	-0.05
Kd of Ra-226 in Contaminated Zone	79	0.05	77	0.02	80	-0.06	80	-0.01
Kd of Ra-226 in Unsaturated Zone 1	83	0.03	82	0.02	74	-0.09	75	-0.01
Kd of Ra-226 in Saturated Zone	62	0.11	23	0.20	25	0.41	25	0.06
Kd of Ra-228 in Contaminated Zone	32	-0.26	4	-0.63	15	-0.46	16	-0.07
Kd of Ra-228 in Unsaturated Zone 1	24	-0.30	33	-0.17	65	-0.14	65	-0.02
Kd of Ra-228 in Saturated Zone	54	-0.15	47	-0.11	29	-0.38	29	-0.05
Kd of Tc-99 in Saturated Zone	58	0.13	41	0.12	54	0.19	54	0.02
Kd of Th-228 in Contaminated Zone	48	0.17	51	0.09	27	0.39	27	0.05
Kd of Th-228 in Unsaturated Zone 1	65	0.09	68	0.05	30	-0.35	30	-0.05
Kd of Th-228 in Saturated Zone	3	0.56	9	0.34	86	-0.03	86	0.00
Kd of Th-229 in Contaminated Zone	57	0.14	52	0.09	72	0.10	72	0.01
Kd of Th-229 in Unsaturated Zone 1	39	-0.20	53	-0.09	14	-0.47	14	-0.07
Kd of Th-229 in Saturated Zone	22	-0.32	5	-0.60	17	0.45	17	0.06
Kd of Th-230 in Contaminated Zone	17	0.36	8	0.36	28	0.38	28	0.05
Kd of Th-230 in Unsaturated Zone 1	27	-0.27	14	-0.27	48	-0.23	49	-0.03
Kd of Th-230 in Saturated Zone	64	-0.11	32	-0.18	40	0.29	41	0.04
Kd of Th-232 in Contaminated Zone	80	-0.04	81	-0.02	46	-0.24	46	-0.03
Kd of Th-232 in Unsaturated Zone 1	10	-0.39	35	-0.17	42	-0.28	40	-0.04
Kd of Th-232 in Saturated Zone	19	-0.36	16	-0.25	52	0.21	52	0.03
Kd of U-233 in Saturated Zone	31	0.26	31	0.18	87	0.03	87	0.00
Kd of U-234 in Saturated Zone	13	-0.37	13	-0.29	61	0.16	59	0.02
Kd of U-235 in Saturated Zone	23	-0.31	28	-0.19	60	0.16	61	0.02
Kd of U-238 in Saturated Zone	66	-0.09	38	-0.13	79	0.06	79	0.01
Plant transfer factor for Ac	20	0.35	29	0.19	39	0.29	39	0.04
Meat transfer factor for Ac	14	-0.36	18	-0.23	33	-0.33	33	-0.04
Milk transfer factor for Ac	68	0.09	71	0.05	19	-0.45	18	-0.06
Fish transfer factor for Ac	40	-0.20	43	-0.12	77	-0.08	77	-0.01
Plant transfer factor for Am	72	0.08	72	0.04	81	-0.05	81	-0.01
Meat transfer factor for Am	71	-0.08	70	-0.05	57	-0.17	57	-0.02
Milk transfer factor for Am	44	-0.19	50	-0.09	56	-0.18	55	-0.02
Fish transfer factor for Am	46	0.18	48	0.11	5	0.59	5	0.09
Plant transfer factor for Pb	51	0.16	46	0.11	44	-0.27	44	-0.04
Meat transfer factor for Pb	6	0.44	20	0.23	8	0.55	7	0.09
Milk transfer factor for Pb	61	-0.12	67	-0.06	84	-0.04	84	0.00
Fish transfer factor for Pb	89	0.00	89	0.00	6	-0.59	6	-0.09
Plant transfer factor for Np	67	-0.09	60	-0.07	34	-0.31	34	-0.04
Meat transfer factor for Np	49	-0.16	56	-0.08	76	0.08	76	0.01
Milk transfer factor for Np	87	-0.01	87	0.00	83	0.04	82	0.01
Fish transfer factor for Np	86	0.02	83	0.02	69	-0.13	69	-0.02
Plant transfer factor for Pu	5	0.47	11	0.31	47	0.23	47	0.03
Meat transfer factor for Pu	29	0.27	42	0.12	50	0.22	50	0.03
Milk transfer factor for Pu	47	-0.17	58	-0.08	63	-0.15	63	-0.02
Fish transfer factor for Pu	74	0.07	73	0.04	11	0.52	10	0.08
Plant transfer factor for Pa	41	-0.19	36	-0.14	82	0.04	83	0.01
Meat transfer factor for Pa	77	-0.05	80	-0.02	38	0.30	38	0.04
Milk transfer factor for Pa	8	0.43	22	0.20	64	0.14	64	0.02
Fish transfer factor for Pa	88	0.00	88	0.00	59	-0.16	60	-0.02
Plant transfer factor for Ra	25	-0.28	45	-0.11	67	0.13	67	0.02
Meat transfer factor for Ra	75	0.06	74	0.03	13	0.48	13	0.07
Milk transfer factor for Ra	63	-0.11	69	-0.05	20	0.45	20	0.06
Fish transfer factor for Ra	43	0.19	55	0.08	66	0.14	66	0.02
Plant transfer factor for Tc	12	-0.38	12	-0.31	9	-0.55	9	-0.08
Meat transfer factor for Tc	56	0.14	61	0.07	68	-0.13	68	-0.02
Milk transfer factor for Tc	76	0.06	78	0.02	70	-0.11	70	-0.01
Fish transfer factor for Tc	84	0.03	79	0.02	35	-0.31	35	-0.04
Plant transfer factor for Th	1	0.78	1	0.75	2	0.95	2	0.41
Meat transfer factor for Th	59	0.13	63	0.07	75	0.09	74	0.01
Milk transfer factor for Th	16	-0.36	19	-0.23	43	0.27	43	0.04
Fish transfer factor for Th	21	-0.32	34	-0.17	73	0.09	73	0.01
Plant transfer factor for U	18	0.36	26	0.19	62	0.15	62	0.02
Meat transfer factor for U	26	0.28	44	0.12	7	0.56	8	0.09
Milk transfer factor for U	37	0.22	54	0.08	4	0.61	4	0.10
Fish transfer factor for U	4	0.51	7	0.37	21	0.43	21	0.06
Well pumping rate	85	-0.03	84	-0.02	22	0.42	22	0.06
Mass loading for inhalation	82	0.03	86	0.01	49	-0.23	48	-0.03
Indoor dust filtration factor	52	-0.16	57	-0.08	58	-0.17	58	-0.02
Depth of soil mixing layer	81	-0.03	85	-0.02	36	-0.31	36	-0.04
Depth of roots	2	0.76	2	0.69	1	0.99	1	0.78
Wet weight crop yield of fruit, grain and non-leafy vegetables	60	0.13	65	0.06	89	0.00	89	0.00
Weathering removal constant of all vegetation	9	-0.41	17	-0.25	78	0.07	78	0.01
Wet foliar interception fraction of leafy vegetables	38	-0.21	49	-0.10	16	0.46	15	0.07

R-SQUARE 0.94 0.94 0.98 0.98

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

Coefficients for peak Th-228 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	79	-0.05	81	-0.01	26	-0.44	26	-0.05
Kd of Ac-227 in Unsaturated Zone 1	85	0.01	86	0.00	14	0.56	14	0.07
Kd of Ac-227 in Saturated Zone	28	-0.28	31	-0.12	8	0.63	8	0.09
Kd of Am-241 in Contaminated Zone	24	-0.33	32	-0.12	79	-0.08	79	-0.01
Kd of Am-241 in Unsaturated Zone 1	47	0.18	2	4.15	88	0.01	88	0.00
Kd of Am-241 in Saturated Zone	39	0.24	51	0.07	84	-0.05	84	-0.01
Kd of Np-237 in Contaminated Zone	11	-0.45	25	-0.14	82	0.06	82	0.01
Kd of Np-237 in Unsaturated Zone 1	36	-0.25	33	-0.11	22	-0.51	21	-0.06
Kd of Np-237 in Saturated Zone	48	-0.17	46	-0.07	24	-0.47	24	-0.06
Kd of Pa-231 in Contaminated Zone	64	-0.12	71	-0.04	43	-0.33	43	-0.04
Kd of Pa-231 in Unsaturated Zone 1	81	0.04	77	0.02	18	0.53	18	0.07
Kd of Pa-231 in Saturated Zone	75	0.07	73	0.03	32	-0.42	32	-0.05
Kd of Pb-210 in Contaminated Zone	31	0.28	42	0.09	63	0.20	63	0.02
Kd of Pb-210 in Unsaturated Zone 1	37	-0.25	19	-0.17	16	0.55	16	0.07
Kd of Pb-210 in Saturated Zone	22	0.33	24	0.14	85	-0.03	85	0.00
Kd of Pu-239 in Contaminated Zone	66	0.12	62	0.05	41	0.34	42	0.04
Kd of Pu-239 in Unsaturated Zone 1	43	-0.19	56	-0.06	23	-0.48	23	-0.06
Kd of Pu-239 in Saturated Zone	70	-0.09	75	-0.03	62	-0.21	62	-0.02
Kd of Ra-226 in Contaminated Zone	26	0.30	35	0.11	58	0.23	59	0.02
Kd of Ra-226 in Unsaturated Zone 1	65	0.12	67	0.04	73	0.11	73	0.01
Kd of Ra-226 in Saturated Zone	68	0.10	70	0.04	51	-0.26	51	-0.03
Kd of Ra-228 in Contaminated Zone	38	-0.25	41	-0.09	34	-0.39	34	-0.04
Kd of Ra-228 in Unsaturated Zone 1	53	-0.16	36	-0.10	28	-0.43	28	-0.05
Kd of Ra-228 in Saturated Zone	80	-0.04	80	-0.01	56	0.23	56	0.03
Kd of Tc-99 in Saturated Zone	77	-0.06	79	-0.02	12	-0.59	12	-0.08
Kd of Th-228 in Contaminated Zone	82	-0.03	82	-0.01	35	0.38	36	0.04
Kd of Th-228 in Unsaturated Zone 1	33	0.26	13	0.20	9	0.61	9	0.08
Kd of Th-228 in Saturated Zone	25	0.30	34	0.11	46	0.28	46	0.03
Kd of Th-229 in Contaminated Zone	9	-0.48	21	-0.17	10	0.60	11	0.08
Kd of Th-229 in Unsaturated Zone 1	59	-0.13	66	-0.04	39	-0.37	39	-0.04
Kd of Th-229 in Saturated Zone	44	-0.19	43	-0.08	53	0.26	53	0.03
Kd of Th-230 in Contaminated Zone	4	-0.60	5	-0.28	17	-0.55	17	-0.07
Kd of Th-230 in Unsaturated Zone 1	50	0.17	63	0.05	87	-0.03	87	0.00
Kd of Th-230 in Saturated Zone	89	0.00	89	0.00	20	-0.52	20	-0.06
Kd of Th-232 in Contaminated Zone	87	-0.01	85	0.00	3	-0.69	3	-0.10
Kd of Th-232 in Unsaturated Zone 1	45	-0.19	1	-4.42	42	0.34	41	0.04
Kd of Th-232 in Saturated Zone	3	-0.65	7	-0.23	33	0.41	33	0.05
Kd of U-233 in Saturated Zone	10	-0.47	12	-0.20	55	0.25	55	0.03
Kd of U-234 in Saturated Zone	34	-0.26	30	-0.13	74	0.11	74	0.01
Kd of U-235 in Saturated Zone	73	-0.08	61	-0.05	68	0.15	68	0.02
Kd of U-238 in Saturated Zone	29	0.28	10	0.20	57	-0.23	58	-0.03
Plant transfer factor for Ac	72	-0.09	64	-0.05	5	-0.64	5	-0.09
Meat transfer factor for Ac	35	0.26	37	0.10	37	0.37	38	0.04
Milk transfer factor for Ac	5	-0.59	8	-0.22	61	0.21	61	0.02
Fish transfer factor for Ac	21	0.34	11	0.20	11	0.60	10	0.08
Plant transfer factor for Am	51	-0.17	58	-0.06	30	0.42	31	0.05
Meat transfer factor for Am	69	0.09	65	0.05	27	-0.43	27	-0.05
Milk transfer factor for Am	57	0.14	48	0.07	15	0.55	15	0.07
Fish transfer factor for Am	42	-0.20	47	-0.07	60	0.22	60	0.02
Plant transfer factor for Pb	55	-0.16	39	-0.10	52	-0.26	52	-0.03
Meat transfer factor for Pb	8	0.48	9	0.22	77	0.08	77	0.01
Milk transfer factor for Pb	83	-0.03	83	-0.01	25	0.45	25	0.05
Fish transfer factor for Pb	88	0.01	88	0.00	13	0.57	13	0.07
Plant transfer factor for Np	49	0.17	59	0.06	72	0.12	72	0.01
Meat transfer factor for Np	7	-0.49	17	-0.18	71	-0.12	71	-0.01
Milk transfer factor for Np	16	-0.40	6	-0.25	47	-0.28	47	-0.03
Fish transfer factor for Np	40	0.22	29	0.13	50	0.27	50	0.03
Plant transfer factor for Pu	14	-0.43	22	-0.16	29	-0.42	29	-0.05
Meat transfer factor for Pu	17	0.40	28	0.13	65	-0.16	65	-0.02
Milk transfer factor for Pu	12	-0.44	18	-0.17	45	-0.30	45	-0.03
Fish transfer factor for Pu	54	-0.16	69	-0.04	83	-0.05	83	-0.01
Plant transfer factor for Pa	60	0.13	68	0.04	48	0.28	48	0.03
Meat transfer factor for Pa	76	0.06	72	0.03	67	0.16	67	0.02
Milk transfer factor for Pa	61	-0.13	52	-0.07	59	-0.23	57	-0.03
Fish transfer factor for Pa	6	0.49	16	0.18	31	-0.42	30	-0.05
Plant transfer factor for Ra	63	0.13	53	0.06	19	-0.53	19	-0.07
Meat transfer factor for Ra	56	0.15	54	0.06	66	-0.16	66	-0.02
Milk transfer factor for Ra	78	0.05	78	0.02	86	0.03	86	0.00
Fish transfer factor for Ra	27	-0.29	49	-0.07	89	-0.01	89	0.00
Plant transfer factor for Tc	84	0.02	84	0.01	44	0.31	44	0.04
Meat transfer factor for Tc	58	-0.14	57	-0.06	70	-0.13	70	-0.01
Milk transfer factor for Tc	30	-0.28	38	-0.10	75	-0.10	75	-0.01
Fish transfer factor for Tc	32	-0.26	27	-0.13	76	-0.09	76	-0.01
Plant transfer factor for Th	1	0.91	3	0.75	2	0.95	2	0.32
Meat transfer factor for Th	67	0.11	44	0.08	6	-0.64	6	-0.09
Milk transfer factor for Th	71	0.09	74	0.03	78	-0.08	78	-0.01
Fish transfer factor for Th	13	-0.43	26	-0.13	81	-0.06	81	-0.01
Plant transfer factor for U	86	-0.01	87	0.00	7	0.64	7	0.09
Meat transfer factor for U	23	-0.33	23	-0.14	80	-0.07	80	-0.01
Milk transfer factor for U	18	-0.40	20	-0.17	36	-0.37	35	-0.04
Fish transfer factor for U	19	0.39	15	0.18	4	0.68	4	0.10
Well pumping rate	46	-0.18	60	-0.06	40	0.36	40	0.04
Mass loading for inhalation	15	0.40	14	0.19	54	-0.25	54	-0.03
Indoor dust filtration factor	52	0.16	50	0.07	21	0.51	22	0.06
Depth of soil mixing layer	41	0.22	45	0.08	64	0.18	64	0.02
Depth of roots	2	0.89	4	0.66	1	0.99	1	0.83
Wet weight crop yield of fruit, grain and non-leafy vegetables	74	-0.07	76	-0.03	38	-0.37	37	-0.04
Weathering removal constant of all vegetation	62	-0.13	55	-0.06	49	-0.27	49	-0.03
Wet foliar interception fraction of leafy vegetables	20	-0.37	40	-0.10	69	0.15	69	0.02

R-SQUARE 0.97 0.97 0.99 0.99

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

Coefficients for peak Th-232 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	77	0.13	81	0.03	66	-0.17	66	-0.02
Kd of Ac-227 in Unsaturated Zone 1	87	0.03	87	0.01	19	0.53	19	0.07
Kd of Ac-227 in Saturated Zone	70	0.16	69	0.05	14	-0.59	14	-0.08
Kd of Am-241 in Contaminated Zone	6	-0.71	12	-0.30	8	-0.64	10	-0.09
Kd of Am-241 in Unsaturated Zone 1	48	0.36	18	0.23	67	-0.16	69	-0.02
Kd of Am-241 in Saturated Zone	10	0.62	1	0.89	45	-0.33	45	-0.04
Kd of Np-237 in Contaminated Zone	15	-0.57	5	-0.44	89	-0.03	89	0.00
Kd of Np-237 in Unsaturated Zone 1	18	-0.53	15	-0.27	57	-0.25	57	-0.03
Kd of Np-237 in Saturated Zone	78	0.13	75	0.04	30	-0.42	30	-0.05
Kd of Pa-231 in Contaminated Zone	73	-0.16	71	-0.04	23	0.48	23	0.06
Kd of Pa-231 in Unsaturated Zone 1	13	-0.61	3	-0.84	35	-0.38	35	-0.04
Kd of Pa-231 in Saturated Zone	11	-0.61	22	-0.20	24	-0.47	24	-0.06
Kd of Pb-210 in Contaminated Zone	21	0.52	25	0.20	27	0.44	28	0.05
Kd of Pb-210 in Unsaturated Zone 1	68	-0.17	51	-0.08	11	-0.62	11	-0.08
Kd of Pb-210 in Saturated Zone	72	-0.16	58	-0.07	51	0.30	52	0.03
Kd of Pu-239 in Contaminated Zone	7	-0.67	7	-0.39	26	-0.45	26	-0.05
Kd of Pu-239 in Unsaturated Zone 1	89	-0.02	88	-0.01	78	0.11	75	0.01
Kd of Pu-239 in Saturated Zone	33	-0.48	30	-0.18	84	0.08	84	0.01
Kd of Ra-226 in Contaminated Zone	65	-0.18	54	-0.08	63	0.19	63	0.02
Kd of Ra-226 in Unsaturated Zone 1	4	-0.74	8	-0.37	87	0.04	87	0.00
Kd of Ra-226 in Saturated Zone	29	-0.49	29	-0.18	72	0.15	72	0.02
Kd of Ra-228 in Contaminated Zone	40	0.43	14	0.28	47	-0.33	47	-0.04
Kd of Ra-228 in Unsaturated Zone 1	67	0.17	73	0.04	34	-0.39	34	-0.05
Kd of Ra-228 in Saturated Zone	69	-0.17	60	-0.06	68	0.16	70	0.02
Kd of Tc-99 in Saturated Zone	61	-0.22	61	-0.06	29	0.43	29	0.05
Kd of Th-228 in Contaminated Zone	36	-0.46	50	-0.09	58	0.24	58	0.03
Kd of Th-228 in Unsaturated Zone 1	57	-0.23	37	-0.14	33	0.40	33	0.05
Kd of Th-228 in Saturated Zone	84	0.06	79	0.03	82	-0.09	83	-0.01
Kd of Th-229 in Contaminated Zone	66	0.18	72	0.04	53	-0.27	53	-0.03
Kd of Th-229 in Unsaturated Zone 1	22	-0.51	9	-0.36	10	-0.64	9	-0.09
Kd of Th-229 in Saturated Zone	51	-0.33	56	-0.08	80	-0.09	80	-0.01
Kd of Th-230 in Contaminated Zone	20	0.53	21	0.21	75	0.11	76	0.01
Kd of Th-230 in Unsaturated Zone 1	82	-0.08	77	-0.03	36	-0.38	36	-0.04
Kd of Th-230 in Saturated Zone	26	-0.49	32	-0.16	61	0.23	60	0.03
Kd of Th-232 in Contaminated Zone	53	0.31	49	0.09	25	0.46	25	0.06
Kd of Th-232 in Unsaturated Zone 1	34	0.47	23	0.20	28	-0.44	27	-0.05
Kd of Th-232 in Saturated Zone	80	-0.11	82	-0.03	13	-0.59	13	-0.08
Kd of U-233 in Saturated Zone	88	0.02	89	0.00	74	0.13	74	0.01
Kd of U-234 in Saturated Zone	14	0.61	4	0.60	22	-0.49	22	-0.06
Kd of U-235 in Saturated Zone	76	0.13	62	0.06	40	-0.35	41	-0.04
Kd of U-238 in Saturated Zone	5	0.71	10	0.36	49	-0.31	50	-0.04
Plant transfer factor for Ac	35	-0.47	39	-0.13	42	0.35	42	0.04
Meat transfer factor for Ac	74	-0.15	76	-0.04	88	-0.03	88	0.00
Milk transfer factor for Ac	25	-0.50	24	-0.20	6	-0.70	6	-0.11
Fish transfer factor for Ac	56	0.26	55	0.08	44	-0.34	44	-0.04
Plant transfer factor for Am	60	-0.23	65	-0.05	39	-0.36	39	-0.04
Meat transfer factor for Am	37	0.44	28	0.19	21	0.51	20	0.06
Milk transfer factor for Am	3	-0.75	11	-0.33	46	0.33	46	0.04
Fish transfer factor for Am	39	-0.43	33	-0.16	18	0.54	17	0.07
Plant transfer factor for Pb	30	-0.48	26	-0.20	81	0.09	81	0.01
Meat transfer factor for Pb	59	-0.23	68	-0.05	50	-0.31	49	-0.04
Milk transfer factor for Pb	45	-0.39	43	-0.12	12	-0.61	12	-0.08
Fish transfer factor for Pb	47	0.36	48	0.09	43	0.34	43	0.04
Plant transfer factor for Np	75	0.13	74	0.04	32	-0.40	32	-0.05
Meat transfer factor for Np	62	0.22	66	0.05	31	0.41	31	0.05
Milk transfer factor for Np	58	0.23	63	0.06	48	-0.33	48	-0.04
Fish transfer factor for Np	23	0.50	13	0.28	79	-0.10	79	-0.01
Plant transfer factor for Pu	38	0.44	44	0.11	41	0.35	40	0.04
Meat transfer factor for Pu	54	-0.30	59	-0.06	5	-0.70	5	-0.11
Milk transfer factor for Pu	79	0.11	80	0.03	37	-0.38	37	-0.04
Fish transfer factor for Pu	46	-0.36	57	-0.07	83	0.09	82	0.01
Plant transfer factor for Pa	42	0.42	36	0.14	16	-0.56	16	-0.08
Meat transfer factor for Pa	55	-0.26	64	-0.05	55	-0.26	56	-0.03
Milk transfer factor for Pa	8	-0.65	19	-0.21	15	-0.58	15	-0.08
Fish transfer factor for Pa	17	0.54	16	0.27	62	0.20	62	0.02
Plant transfer factor for Ra	1	0.96	2	0.88	2	0.98	2	0.61
Meat transfer factor for Ra	19	-0.53	20	-0.21	60	0.23	61	0.03
Milk transfer factor for Ra	32	0.48	35	0.14	86	0.07	86	0.01
Fish transfer factor for Ra	86	-0.04	85	-0.02	17	-0.54	18	-0.07
Plant transfer factor for Tc	49	-0.35	47	-0.10	65	-0.17	64	-0.02
Meat transfer factor for Tc	83	-0.07	84	-0.02	76	-0.11	77	-0.01
Milk transfer factor for Tc	52	0.33	52	0.08	69	0.16	67	0.02
Fish transfer factor for Tc	28	0.49	38	0.13	38	-0.37	38	-0.04
Plant transfer factor for Th	12	0.61	27	0.19	3	0.73	3	0.11
Meat transfer factor for Th	44	-0.39	42	-0.12	20	0.51	21	0.06
Milk transfer factor for Th	24	-0.50	40	-0.13	7	-0.66	7	-0.10
Fish transfer factor for Th	43	0.40	46	0.11	70	-0.16	68	-0.02
Plant transfer factor for U	71	-0.16	78	-0.03	73	-0.13	73	-0.01
Meat transfer factor for U	27	0.49	41	0.13	9	0.64	8	0.09
Milk transfer factor for U	63	-0.21	67	-0.05	56	0.26	55	0.03
Fish transfer factor for U	64	0.20	70	0.05	64	0.17	65	0.02
Well pumping rate	50	0.35	53	0.08	4	-0.71	4	-0.11
Mass loading for inhalation	31	-0.48	45	-0.11	52	-0.29	51	-0.03
Indoor dust filtration factor	81	-0.10	83	-0.02	71	-0.15	71	-0.02
Depth of soil mixing layer	16	-0.55	34	-0.15	59	-0.24	59	-0.03
Depth of roots	2	0.89	6	0.39	1	0.99	1	0.65
Wet weight crop yield of fruit, grain and non-leafy vegetables	85	0.06	86	0.01	54	0.27	54	0.03
Weathering removal constant of all vegetation	9	0.64	17	0.24	77	0.11	78	0.01
Wet foliar interception fraction of leafy vegetables	41	0.43	31	0.17	85	-0.07	85	-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 Th-232 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	38	0.31	26	0.10	42	0.24	42	0.04
Kd of Ac-227 in Unsaturated Zone 1	82	0.04	81	0.01	52	-0.16	52	-0.02
Kd of Ac-227 in Saturated Zone	47	-0.27	63	-0.04	45	0.21	45	0.03
Kd of Am-241 in Contaminated Zone	85	-0.02	85	0.00	61	-0.13	62	-0.02
Kd of Am-241 in Unsaturated Zone 1	18	0.48	5	0.47	39	0.26	39	0.04
Kd of Am-241 in Saturated Zone	67	-0.16	54	-0.05	22	-0.36	22	-0.06
Kd of Np-237 in Contaminated Zone	36	0.34	33	0.09	49	-0.18	49	-0.03
Kd of Np-237 in Unsaturated Zone 1	79	-0.08	79	-0.01	18	-0.40	18	-0.07
Kd of Np-237 in Saturated Zone	46	-0.27	29	-0.10	35	-0.28	35	-0.04
Kd of Pa-231 in Contaminated Zone	78	0.08	76	0.02	74	0.07	74	0.01
Kd of Pa-231 in Unsaturated Zone 1	19	-0.46	28	-0.10	69	-0.11	70	-0.02
Kd of Pa-231 in Saturated Zone	58	0.22	58	0.04	72	-0.08	72	-0.01
Kd of Pb-210 in Contaminated Zone	4	-0.69	3	-0.55	54	-0.15	54	-0.02
Kd of Pb-210 in Unsaturated Zone 1	54	-0.25	46	-0.06	27	-0.32	27	-0.05
Kd of Pb-210 in Saturated Zone	63	-0.18	66	-0.03	62	0.13	61	0.02
Kd of Pu-239 in Contaminated Zone	84	-0.02	84	0.00	11	0.46	11	0.08
Kd of Pu-239 in Unsaturated Zone 1	43	-0.29	32	-0.09	7	0.53	7	0.09
Kd of Pu-239 in Saturated Zone	33	-0.35	11	-0.19	48	-0.19	48	-0.03
Kd of Ra-226 in Contaminated Zone	80	-0.07	80	-0.01	24	-0.35	23	-0.06
Kd of Ra-226 in Unsaturated Zone 1	17	-0.49	18	-0.13	53	0.15	53	0.02
Kd of Ra-226 in Saturated Zone	7	-0.64	4	-0.53	4	0.62	4	0.12
Kd of Ra-228 in Contaminated Zone	31	-0.36	7	-0.32	31	-0.29	34	-0.05
Kd of Ra-228 in Unsaturated Zone 1	60	0.20	59	0.04	71	0.10	71	0.02
Kd of Ra-228 in Saturated Zone	48	-0.27	38	-0.07	14	-0.45	15	-0.08
Kd of Tc-99 in Saturated Zone	23	-0.43	12	-0.16	32	0.29	32	0.05
Kd of Th-228 in Contaminated Zone	12	-0.56	21	-0.12	16	-0.44	16	-0.08
Kd of Th-228 in Unsaturated Zone 1	3	-0.75	9	-0.24	79	0.04	79	0.01
Kd of Th-228 in Saturated Zone	15	-0.52	24	-0.11	13	-0.45	14	-0.08
Kd of Th-229 in Contaminated Zone	77	0.09	75	0.02	46	0.21	46	0.03
Kd of Th-229 in Unsaturated Zone 1	75	0.11	78	0.02	44	-0.21	44	-0.03
Kd of Th-229 in Saturated Zone	16	0.51	6	0.39	82	0.03	81	0.00
Kd of Th-230 in Contaminated Zone	61	0.20	39	0.07	77	0.05	78	0.01
Kd of Th-230 in Unsaturated Zone 1	30	0.36	17	0.13	47	-0.20	47	-0.03
Kd of Th-230 in Saturated Zone	5	0.69	2	0.56	81	-0.03	82	0.00
Kd of Th-232 in Contaminated Zone	40	-0.30	42	-0.07	23	0.35	25	0.06
Kd of Th-232 in Unsaturated Zone 1	26	0.41	44	0.06	28	0.31	28	0.05
Kd of Th-232 in Saturated Zone	53	0.25	48	0.06	63	0.12	63	0.02
Kd of U-233 in Saturated Zone	14	-0.55	13	-0.16	15	0.45	13	0.08
Kd of U-234 in Saturated Zone	51	0.26	40	0.07	33	0.29	30	0.05
Kd of U-235 in Saturated Zone	32	-0.36	37	-0.08	59	0.13	60	0.02
Kd of U-238 in Saturated Zone	49	0.26	14	0.15	50	-0.18	50	-0.03
Plant transfer factor for Ac	52	0.25	55	0.05	83	-0.03	83	0.00
Meat transfer factor for Ac	71	-0.15	67	-0.03	25	-0.35	24	-0.06
Milk transfer factor for Ac	62	-0.19	62	-0.04	6	-0.54	6	-0.10
Fish transfer factor for Ac	35	-0.35	35	-0.08	66	0.12	67	0.02
Plant transfer factor for Am	69	0.16	68	0.03	75	-0.06	75	-0.01
Meat transfer factor for Am	73	0.12	70	0.03	86	0.02	86	0.00
Milk transfer factor for Am	81	0.05	82	0.01	56	-0.14	56	-0.02
Fish transfer factor for Am	68	-0.16	64	-0.03	67	0.12	65	0.02
Plant transfer factor for Pb	6	0.68	10	0.24	10	0.47	9	0.08
Meat transfer factor for Pb	21	0.44	34	0.08	58	0.14	58	0.02
Milk transfer factor for Pb	9	-0.57	22	-0.12	40	0.26	40	0.04
Fish transfer factor for Pb	13	-0.56	25	-0.11	43	-0.23	43	-0.04
Plant transfer factor for Np	42	0.29	31	0.09	88	0.00	88	0.00
Meat transfer factor for Np	74	-0.11	74	-0.02	37	-0.27	36	-0.04
Milk transfer factor for Np	34	-0.35	41	-0.07	64	-0.12	64	-0.02
Fish transfer factor for Np	20	-0.45	19	-0.13	5	0.60	5	0.12
Plant transfer factor for Pu	41	0.29	43	0.07	41	-0.26	41	-0.04
Meat transfer factor for Pu	27	-0.38	45	-0.06	36	-0.27	38	-0.04
Milk transfer factor for Pu	55	-0.24	60	-0.04	73	-0.08	73	-0.01
Fish transfer factor for Pu	66	0.17	65	0.03	8	0.48	8	0.08
Plant transfer factor for Pa	59	0.20	50	0.06	34	-0.28	33	-0.05
Meat transfer factor for Pa	72	0.14	72	0.02	38	0.26	37	0.04
Milk transfer factor for Pa	56	-0.24	61	-0.04	85	0.02	85	0.00
Fish transfer factor for Pa	89	0.00	89	0.00	26	-0.33	26	-0.05
Plant transfer factor for Ra	1	0.98	1	0.73	2	0.97	2	0.63
Meat transfer factor for Ra	10	0.57	16	0.15	17	0.42	17	0.07
Milk transfer factor for Ra	64	0.18	69	0.03	80	0.04	80	0.01
Fish transfer factor for Ra	50	-0.26	57	-0.04	68	-0.11	68	-0.02
Plant transfer factor for Tc	83	0.03	83	0.01	84	-0.03	84	0.00
Meat transfer factor for Tc	87	0.01	87	0.00	57	-0.14	57	-0.02
Milk transfer factor for Tc	65	-0.17	71	-0.03	76	-0.05	76	-0.01
Fish transfer factor for Tc	22	0.44	20	0.13	21	0.37	20	0.06
Plant transfer factor for Th	24	-0.43	27	-0.10	89	0.00	89	0.00
Meat transfer factor for Th	45	0.27	53	0.05	70	0.11	69	0.02
Milk transfer factor for Th	11	0.57	15	0.15	60	0.13	59	0.02
Fish transfer factor for Th	37	-0.33	47	-0.06	87	-0.02	87	0.00
Plant transfer factor for U	57	-0.24	56	-0.04	65	0.12	66	0.02
Meat transfer factor for U	8	-0.62	23	-0.12	51	0.16	51	0.03
Milk transfer factor for U	70	-0.15	73	-0.02	3	0.62	3	0.12
Fish transfer factor for U	29	-0.37	30	-0.09	29	0.29	29	0.05
Well pumping rate	88	0.00	88	0.00	20	0.37	21	0.06
Mass loading for inhalation	25	0.42	49	0.06	19	0.38	19	0.06
Indoor dust filtration factor	44	-0.28	52	-0.05	55	0.15	55	0.02
Depth of soil mixing layer	39	-0.31	51	-0.05	30	0.29	31	0.05
Depth of roots	2	0.76	8	0.25	1	0.97	1	0.65
Wet weight crop yield of fruit, grain and non-leafy vegetables	86	0.02	86	0.00	9	0.47	10	0.08
Weathering removal constant of all vegetation	28	0.38	36	0.08	78	-0.05	77	-0.01
Wet foliar interception fraction of leafy vegetables	76	0.10	77	0.02	12	0.46	12	0.08

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 Th-232 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Ac-227 in Contaminated Zone	20	-0.50	34	-0.12	60	-0.10	60	-0.02
Kd of Ac-227 in Unsaturated Zone 1	60	-0.13	63	-0.04	84	-0.03	84	0.00
Kd of Ac-227 in Saturated Zone	24	0.44	21	0.17	33	-0.28	33	-0.05
Kd of Am-241 in Contaminated Zone	57	-0.18	57	-0.05	76	-0.05	77	-0.01
Kd of Am-241 in Unsaturated Zone 1	27	0.42	1	8.83	35	-0.27	35	-0.05
Kd of Am-241 in Saturated Zone	30	0.40	41	0.10	44	-0.20	44	-0.04
Kd of Np-237 in Contaminated Zone	32	-0.39	43	-0.10	43	-0.20	43	-0.04
Kd of Np-237 in Unsaturated Zone 1	9	-0.57	13	-0.25	20	-0.36	20	-0.07
Kd of Np-237 in Saturated Zone	79	-0.05	78	-0.02	47	-0.19	46	-0.04
Kd of Pa-231 in Contaminated Zone	76	-0.06	80	-0.01	49	0.18	49	0.03
Kd of Pa-231 in Unsaturated Zone 1	66	0.10	61	0.04	9	0.44	9	0.09
Kd of Pa-231 in Saturated Zone	8	-0.58	9	-0.28	25	0.32	25	0.06
Kd of Pb-210 in Contaminated Zone	11	0.56	19	0.17	77	0.05	78	0.01
Kd of Pb-210 in Unsaturated Zone 1	7	-0.58	7	-0.39	57	0.14	57	0.03
Kd of Pb-210 in Saturated Zone	48	0.23	52	0.08	89	-0.01	89	0.00
Kd of Pu-239 in Contaminated Zone	65	-0.11	62	-0.04	63	-0.10	63	-0.02
Kd of Pu-239 in Unsaturated Zone 1	21	-0.49	26	-0.14	19	-0.37	19	-0.07
Kd of Pu-239 in Saturated Zone	38	-0.35	36	-0.11	62	-0.10	61	-0.02
Kd of Ra-226 in Contaminated Zone	12	-0.56	17	-0.18	53	0.15	53	0.03
Kd of Ra-226 in Unsaturated Zone 1	47	0.26	51	0.08	4	-0.53	4	-0.12
Kd of Ra-226 in Saturated Zone	52	-0.19	53	-0.06	5	0.52	5	0.11
Kd of Ra-228 in Contaminated Zone	78	-0.05	79	-0.02	10	0.44	10	0.09
Kd of Ra-228 in Unsaturated Zone 1	58	-0.16	48	-0.08	73	-0.06	73	-0.01
Kd of Ra-228 in Saturated Zone	31	-0.40	33	-0.12	55	-0.14	55	-0.03
Kd of Tc-99 in Saturated Zone	18	-0.51	28	-0.14	80	-0.04	80	-0.01
Kd of Th-228 in Contaminated Zone	40	-0.34	42	-0.10	17	0.38	18	0.08
Kd of Th-228 in Unsaturated Zone 1	77	-0.05	67	-0.03	26	-0.31	26	-0.06
Kd of Th-228 in Saturated Zone	83	0.04	82	0.01	34	-0.28	32	-0.05
Kd of Th-229 in Contaminated Zone	81	0.04	81	0.01	54	-0.14	54	-0.03
Kd of Th-229 in Unsaturated Zone 1	51	0.20	59	0.05	18	-0.37	17	-0.08
Kd of Th-229 in Saturated Zone	68	0.10	66	0.03	75	0.06	75	0.01
Kd of Th-230 in Contaminated Zone	44	-0.27	44	-0.09	32	0.28	34	0.05
Kd of Th-230 in Unsaturated Zone 1	84	0.02	85	0.00	70	-0.08	70	-0.01
Kd of Th-230 in Saturated Zone	46	-0.26	25	-0.15	51	0.17	51	0.03
Kd of Th-232 in Contaminated Zone	10	0.57	12	0.26	58	0.12	58	0.02
Kd of Th-232 in Unsaturated Zone 1	28	-0.40	2	-8.34	27	-0.30	27	-0.06
Kd of Th-232 in Saturated Zone	45	0.27	54	0.06	61	0.10	62	0.02
Kd of U-233 in Saturated Zone	14	-0.54	16	-0.19	28	0.30	29	0.06
Kd of U-234 in Saturated Zone	80	0.04	76	0.02	79	-0.04	79	-0.01
Kd of U-235 in Saturated Zone	53	0.19	39	0.11	23	0.34	22	0.07
Kd of U-238 in Saturated Zone	23	0.47	8	0.30	40	0.22	40	0.04
Plant transfer factor for Ac	54	0.19	46	0.09	52	-0.16	52	-0.03
Meat transfer factor for Ac	56	0.19	55	0.06	14	0.40	14	0.08
Milk transfer factor for Ac	42	0.31	50	0.08	56	-0.14	56	-0.03
Fish transfer factor for Ac	15	0.53	10	0.28	38	0.24	38	0.05
Plant transfer factor for Am	71	0.08	74	0.02	72	-0.07	72	-0.01
Meat transfer factor for Am	59	0.14	58	0.05	82	0.03	82	0.01
Milk transfer factor for Am	50	0.20	47	0.08	67	-0.08	67	-0.02
Fish transfer factor for Am	67	0.10	71	0.03	45	0.20	48	0.04
Plant transfer factor for Pb	35	-0.37	14	-0.20	39	-0.24	39	-0.04
Meat transfer factor for Pb	62	-0.12	64	-0.04	31	0.28	31	0.06
Milk transfer factor for Pb	63	0.12	65	0.03	69	0.08	68	0.01
Fish transfer factor for Pb	82	-0.04	84	-0.01	13	0.40	13	0.08
Plant transfer factor for Np	73	0.07	75	0.02	22	0.34	23	0.07
Meat transfer factor for Np	22	0.47	27	0.14	29	0.29	28	0.06
Milk transfer factor for Np	4	-0.65	6	-0.40	87	-0.02	87	0.00
Fish transfer factor for Np	85	-0.02	83	-0.01	24	0.32	24	0.06
Plant transfer factor for Pu	29	-0.40	31	-0.12	71	0.07	71	0.01
Meat transfer factor for Pu	34	-0.38	40	-0.10	88	0.01	88	0.00
Milk transfer factor for Pu	17	0.52	18	0.18	83	-0.03	83	-0.01
Fish transfer factor for Pu	5	-0.61	23	-0.16	30	-0.29	30	-0.06
Plant transfer factor for Pa	88	-0.01	88	0.00	68	-0.08	69	-0.01
Meat transfer factor for Pa	49	0.20	45	0.09	36	-0.26	36	-0.05
Milk transfer factor for Pa	74	-0.06	72	-0.03	66	-0.09	66	-0.02
Fish transfer factor for Pa	64	-0.11	69	-0.03	65	0.09	65	0.02
Plant transfer factor for Ra	1	0.92	3	1.00	2	0.95	2	0.58
Meat transfer factor for Ra	43	0.31	38	0.11	50	-0.17	50	-0.03
Milk transfer factor for Ra	16	-0.53	20	-0.17	12	-0.42	12	-0.09
Fish transfer factor for Ra	33	-0.39	49	-0.08	37	-0.25	37	-0.05
Plant transfer factor for Tc	55	-0.19	56	-0.06	48	-0.19	45	-0.04
Meat transfer factor for Tc	41	0.34	32	0.12	6	-0.51	6	-0.11
Milk transfer factor for Tc	25	-0.43	30	-0.13	46	-0.20	47	-0.04
Fish transfer factor for Tc	75	0.06	73	0.02	81	-0.04	81	-0.01
Plant transfer factor for Th	36	-0.36	37	-0.11	11	0.44	11	0.09
Meat transfer factor for Th	6	-0.61	5	-0.44	86	0.02	86	0.00
Milk transfer factor for Th	69	-0.09	70	-0.03	16	0.38	16	0.08
Fish transfer factor for Th	72	0.07	77	0.02	21	0.34	21	0.07
Plant transfer factor for U	3	0.69	11	0.27	3	0.60	3	0.14
Meat transfer factor for U	26	-0.43	24	-0.16	42	-0.21	42	-0.04
Milk transfer factor for U	87	0.01	86	0.00	78	-0.05	76	-0.01
Fish transfer factor for U	70	-0.09	68	-0.03	64	-0.10	64	-0.02
Well pumping rate	13	-0.56	22	-0.17	41	-0.21	41	-0.04
Mass loading for inhalation	39	0.35	29	0.13	15	0.40	15	0.08
Indoor dust filtration factor	19	0.50	15	0.19	7	0.48	7	0.10
Depth of soil mixing layer	37	-0.36	35	-0.11	85	0.03	85	0.00
Depth of roots	2	0.88	4	0.51	1	0.96	1	0.64
Wet weight crop yield of fruit, grain and non-leafy vegetables	89	-0.01	89	0.00	8	-0.45	8	-0.09
Weathering removal constant of all vegetation	61	0.13	60	0.05	74	-0.06	74	-0.01
Wet foliar interception fraction of leafy vegetables	86	0.02	87	0.00	59	-0.11	59	-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 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	80	0.02	81	0.01	54	0.14	54	0.02	
Kd of Ac-227 in Unsaturated Zone 1	82	-0.02	83	-0.01	19	0.31	19	0.06	
Kd of Ac-227 in Saturated Zone	69	-0.05	69	-0.03	16	-0.37	17	-0.07	
Kd of Am-241 in Contaminated Zone	34	0.19	41	0.10	40	-0.21	41	-0.04	
Kd of Am-241 in Unsaturated Zone 1	35	-0.19	11	-0.19	87	0.01	87	0.00	
Kd of Am-241 in Saturated Zone	60	-0.09	13	-0.18	86	-0.01	86	0.00	
Kd of Np-237 in Contaminated Zone	21	-0.25	4	-0.27	21	0.31	21	0.06	
Kd of Np-237 in Unsaturated Zone 1	38	0.17	28	0.12	58	-0.11	58	-0.02	
Kd of Np-237 in Saturated Zone	9	-0.32	21	-0.15	83	0.02	83	0.00	
Kd of Pa-231 in Contaminated Zone	10	-0.31	22	-0.15	47	0.18	46	0.03	
Kd of Pa-231 in Unsaturated Zone 1	50	0.12	7	0.22	22	-0.30	22	-0.05	
Kd of Pa-231 in Saturated Zone	76	-0.03	74	-0.01	23	-0.29	23	-0.05	
Kd of Pb-210 in Contaminated Zone	51	-0.12	51	-0.06	52	0.16	52	0.03	
Kd of Pb-210 in Unsaturated Zone 1	29	0.21	14	0.18	28	-0.27	28	-0.05	
Kd of Pb-210 in Saturated Zone	33	0.19	25	0.14	77	0.03	78	0.01	
Kd of Pu-239 in Contaminated Zone	54	-0.11	46	-0.08	7	-0.47	7	-0.09	
Kd of Pu-239 in Unsaturated Zone 1	11	0.31	12	0.18	10	0.45	10	0.09	
Kd of Pu-239 in Saturated Zone	13	-0.29	18	-0.16	24	-0.29	24	-0.05	
Kd of Ra-226 in Contaminated Zone	67	0.06	58	0.05	42	0.20	42	0.04	
Kd of Ra-226 in Unsaturated Zone 1	18	-0.26	19	-0.15	71	-0.05	71	-0.01	
Kd of Ra-226 in Saturated Zone	84	-0.01	82	-0.01	88	-0.01	88	0.00	
Kd of Ra-228 in Contaminated Zone	32	0.20	10	0.20	73	0.04	73	0.01	
Kd of Ra-228 in Unsaturated Zone 1	25	-0.23	44	-0.09	48	0.18	48	0.03	
Kd of Ra-228 in Saturated Zone	70	0.05	68	0.03	69	0.07	70	0.01	
Kd of Tc-99 in Saturated Zone	31	-0.20	42	-0.09	60	0.11	59	0.02	
Kd of Th-228 in Contaminated Zone	86	0.01	87	0.00	27	-0.27	26	-0.05	
Kd of Th-228 in Unsaturated Zone 1	28	0.22	5	0.22	4	0.52	4	0.11	
Kd of Th-228 in Saturated Zone	19	-0.26	6	-0.22	45	0.19	45	0.03	
Kd of Th-229 in Contaminated Zone	55	-0.10	61	-0.04	76	-0.03	76	-0.01	
Kd of Th-229 in Unsaturated Zone 1	52	0.12	30	0.12	33	-0.23	33	-0.04	
Kd of Th-229 in Saturated Zone	14	-0.29	33	-0.11	89	-0.01	89	0.00	
Kd of Th-230 in Contaminated Zone	68	0.06	65	0.03	15	0.40	15	0.08	
Kd of Th-230 in Unsaturated Zone 1	65	-0.07	55	-0.05	59	-0.11	60	-0.02	
Kd of Th-230 in Saturated Zone	47	-0.14	50	-0.07	78	-0.03	77	-0.01	
Kd of Th-232 in Contaminated Zone	5	-0.41	8	-0.21	64	-0.10	64	-0.02	
Kd of Th-232 in Unsaturated Zone 1	36	-0.18	31	-0.11	81	-0.03	81	0.00	
Kd of Th-232 in Saturated Zone	46	-0.14	52	-0.06	14	-0.41	14	-0.08	
Kd of U-233 in Saturated Zone	27	0.22	37	0.10	37	0.22	37	0.04	
Kd of U-234 in Saturated Zone	40	-0.15	9	-0.20	38	-0.22	39	-0.04	
Kd of U-235 in Saturated Zone	79	0.03	72	0.02	85	-0.01	85	0.00	
Kd of U-238 in Saturated Zone	26	0.23	26	0.14	65	-0.09	66	-0.02	
Plant transfer factor for Ac	83	-0.02	84	-0.01	51	0.16	51	0.03	
Meat transfer factor for Ac	49	-0.12	57	-0.05	68	0.08	68	0.01	
Milk transfer factor for Ac	42	-0.15	43	-0.09	6	-0.50	6	-0.10	
Fish transfer factor for Ac	81	0.02	80	0.01	56	-0.12	56	-0.02	
Plant transfer factor for Am	73	-0.04	75	-0.01	46	-0.19	47	-0.03	
Meat transfer factor for Am	20	-0.25	16	-0.17	63	0.10	63	0.02	
Milk transfer factor for Am	30	-0.21	38	-0.10	8	0.47	8	0.09	
Fish transfer factor for Am	74	-0.04	71	-0.02	66	0.09	65	0.02	
Plant transfer factor for Pb	3	-0.44	3	-0.29	79	-0.03	79	-0.01	
Meat transfer factor for Pb	15	-0.27	39	-0.10	35	-0.22	35	-0.04	
Milk transfer factor for Pb	56	0.10	56	0.05	30	-0.25	31	-0.04	
Fish transfer factor for Pb	59	0.09	63	0.04	82	-0.02	82	0.00	
Plant transfer factor for Np	78	0.03	79	0.01	44	0.19	44	0.03	
Meat transfer factor for Np	53	-0.12	59	-0.04	39	0.22	38	0.04	
Milk transfer factor for Np	16	0.27	32	0.11	61	-0.11	62	-0.02	
Fish transfer factor for Np	44	-0.15	29	-0.12	29	-0.26	29	-0.05	
Plant transfer factor for Pu	71	0.04	73	0.02	41	0.21	40	0.04	
Meat transfer factor for Pu	12	0.30	34	0.10	31	-0.25	30	-0.04	
Milk transfer factor for Pu	87	0.01	85	0.01	75	0.04	75	0.01	
Fish transfer factor for Pu	7	0.37	27	0.13	26	0.27	27	0.05	
Plant transfer factor for Pa	63	0.08	62	0.04	12	-0.44	11	-0.09	
Meat transfer factor for Pa	64	-0.07	70	-0.02	57	0.12	57	0.02	
Milk transfer factor for Pa	77	-0.03	77	-0.01	5	-0.51	5	-0.10	
Fish transfer factor for Pa	48	0.14	40	0.10	72	0.05	72	0.01	
Plant transfer factor for Ra	8	0.36	15	0.17	13	0.42	13	0.08	
Meat transfer factor for Ra	17	0.26	20	0.15	84	-0.01	84	0.00	
Milk transfer factor for Ra	66	-0.07	67	-0.03	55	-0.13	55	-0.02	
Fish transfer factor for Ra	61	-0.09	49	-0.07	25	-0.27	25	-0.05	
Plant transfer factor for Tc	88	0.01	88	0.00	17	0.37	16	0.07	
Meat transfer factor for Tc	43	-0.15	48	-0.07	49	-0.17	49	-0.03	
Milk transfer factor for Tc	22	-0.25	35	-0.10	80	0.03	80	0.00	
Fish transfer factor for Tc	89	0.00	89	0.00	50	-0.17	50	-0.03	
Plant transfer factor for Th	23	0.24	36	0.10	20	0.31	20	0.06	
Meat transfer factor for Th	45	0.15	47	0.07	18	0.34	18	0.06	
Milk transfer factor for Th	4	-0.42	17	-0.16	36	-0.22	36	-0.04	
Fish transfer factor for Th	57	0.10	60	0.04	70	0.07	69	0.01	
Plant transfer factor for U	1	0.90	1	0.70	2	0.96	2	0.56	
Meat transfer factor for U	72	-0.04	76	-0.01	11	0.44	12	0.09	
Milk transfer factor for U	41	0.15	54	0.06	62	0.11	61	0.02	
Fish transfer factor for U	37	-0.17	53	-0.06	34	0.23	34	0.04	
Well pumping rate	58	-0.10	64	-0.04	9	-0.45	9	-0.09	
Mass loading for inhalation	6	-0.39	23	-0.14	3	-0.57	3	-0.12	
Indoor dust filtration factor	85	0.01	86	0.00	43	0.20	43	0.04	
Depth of soil mixing layer	62	-0.08	66	-0.03	74	-0.04	74	-0.01	
Depth of roots	2	0.82	2	0.46	1	0.97	1	0.69	
Wet weight crop yield of fruit, grain and non-leafy vegetables	75	0.04	78	0.01	32	0.24	32	0.04	
Weathering removal constant of all vegetation	39	-0.17	45	-0.08	67	0.09	67	0.01	
Wet foliar interception fraction of leafy vegetables	24	-0.23	24	-0.14	53	-0.15	53	-0.03	

R-SQUARE 0.97 0.97 0.97 0.97

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

Coefficients for peak U-234 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Ac-227 in Contaminated Zone	65	-0.11	59	-0.03	80	0.02	81	0.00	
Kd of Ac-227 in Unsaturated Zone 1	55	0.20	42	0.06	69	-0.07	69	-0.01	
Kd of Ac-227 in Saturated Zone	78	0.05	81	0.01	85	0.01	85	0.00	
Kd of Am-241 in Contaminated Zone	40	0.29	44	0.05	49	-0.17	48	-0.03	
Kd of Am-241 in Unsaturated Zone 1	49	0.25	9	0.20	63	0.10	63	0.02	
Kd of Am-241 in Saturated Zone	32	-0.35	25	-0.10	9	-0.45	10	-0.09	
Kd of Np-237 in Contaminated Zone	59	0.16	56	0.04	76	-0.03	76	-0.01	
Kd of Np-237 in Unsaturated Zone 1	36	-0.32	43	-0.05	15	-0.40	15	-0.08	
Kd of Np-237 in Saturated Zone	18	0.46	13	0.17	79	0.02	79	0.00	
Kd of Pa-231 in Contaminated Zone	28	-0.39	32	-0.08	36	-0.24	36	-0.04	
Kd of Pa-231 in Unsaturated Zone 1	33	-0.34	36	-0.07	75	0.03	75	0.01	
Kd of Pa-231 in Saturated Zone	71	0.08	73	0.01	66	0.08	66	0.01	
Kd of Pb-210 in Contaminated Zone	24	-0.42	3	-0.25	28	-0.31	27	-0.06	
Kd of Pb-210 in Unsaturated Zone 1	26	-0.40	26	-0.10	51	-0.16	51	-0.03	
Kd of Pb-210 in Saturated Zone	68	0.10	70	0.02	54	0.15	54	0.03	
Kd of Pu-239 in Contaminated Zone	37	0.32	39	0.06	61	0.11	61	0.02	
Kd of Pu-239 in Unsaturated Zone 1	87	0.01	85	0.00	27	0.31	28	0.06	
Kd of Pu-239 in Saturated Zone	89	0.00	89	0.00	71	-0.05	71	-0.01	
Kd of Ra-226 in Contaminated Zone	53	0.21	58	0.04	14	-0.41	14	-0.08	
Kd of Ra-226 in Unsaturated Zone 1	15	-0.48	21	-0.12	22	-0.34	23	-0.07	
Kd of Ra-226 in Saturated Zone	38	-0.31	10	-0.19	37	0.24	38	0.04	
Kd of Ra-228 in Contaminated Zone	45	-0.26	8	-0.21	41	-0.21	41	-0.04	
Kd of Ra-228 in Unsaturated Zone 1	11	0.59	16	0.13	52	0.15	52	0.03	
Kd of Ra-228 in Saturated Zone	74	0.06	72	0.02	30	-0.30	29	-0.06	
Kd of Tc-99 in Saturated Zone	6	-0.62	5	-0.24	32	0.29	32	0.05	
Kd of Th-228 in Contaminated Zone	77	0.05	78	0.01	44	-0.20	43	-0.04	
Kd of Th-228 in Unsaturated Zone 1	3	-0.75	7	-0.23	87	0.00	87	0.00	
Kd of Th-228 in Saturated Zone	10	-0.59	18	-0.13	11	-0.44	11	-0.09	
Kd of Th-229 in Contaminated Zone	43	0.26	41	0.06	45	0.19	45	0.03	
Kd of Th-229 in Unsaturated Zone 1	88	-0.01	88	0.00	33	-0.29	34	-0.05	
Kd of Th-229 in Saturated Zone	30	0.36	6	0.24	73	-0.04	73	-0.01	
Kd of Th-230 in Contaminated Zone	5	-0.62	4	-0.25	67	0.07	68	0.01	
Kd of Th-230 in Unsaturated Zone 1	76	0.06	68	0.02	48	-0.17	49	-0.03	
Kd of Th-230 in Saturated Zone	41	0.28	14	0.16	40	-0.22	40	-0.04	
Kd of Th-232 in Contaminated Zone	66	-0.10	66	-0.02	29	0.30	31	0.06	
Kd of Th-232 in Unsaturated Zone 1	58	0.16	65	0.02	70	0.05	70	0.01	
Kd of Th-232 in Saturated Zone	67	0.10	63	0.02	50	-0.17	50	-0.03	
Kd of U-233 in Saturated Zone	27	-0.39	29	-0.09	23	0.34	22	0.07	
Kd of U-234 in Saturated Zone	19	0.44	20	0.12	89	0.00	89	0.00	
Kd of U-235 in Saturated Zone	82	0.03	82	0.01	24	-0.33	24	-0.06	
Kd of U-238 in Saturated Zone	73	0.08	52	0.04	16	0.40	16	0.08	
Plant transfer factor for Ac	52	0.21	57	0.04	68	-0.07	67	-0.01	
Meat transfer factor for Ac	48	-0.25	45	-0.05	8	-0.48	8	-0.10	
Milk transfer factor for Ac	44	-0.26	48	-0.05	21	-0.36	21	-0.07	
Fish transfer factor for Ac	83	0.03	80	0.01	60	-0.12	60	-0.02	
Plant transfer factor for Am	84	-0.02	84	0.00	19	-0.37	19	-0.07	
Meat transfer factor for Am	51	0.21	50	0.04	83	-0.02	83	0.00	
Milk transfer factor for Am	22	0.43	34	0.08	46	-0.19	46	-0.03	
Fish transfer factor for Am	20	-0.44	28	-0.10	84	-0.01	84	0.00	
Plant transfer factor for Pb	79	0.04	77	0.01	5	0.55	5	0.12	
Meat transfer factor for Pb	62	-0.13	67	-0.02	20	0.36	20	0.07	
Milk transfer factor for Pb	35	-0.33	40	-0.06	86	0.01	86	0.00	
Fish transfer factor for Pb	80	0.04	79	0.01	53	-0.15	53	-0.03	
Plant transfer factor for Np	12	0.54	12	0.18	38	-0.23	37	-0.04	
Meat transfer factor for Np	17	-0.46	31	-0.09	10	-0.45	9	-0.09	
Milk transfer factor for Np	8	0.60	17	0.13	62	-0.10	62	-0.02	
Fish transfer factor for Np	21	-0.43	24	-0.11	17	0.40	17	0.08	
Plant transfer factor for Pu	64	-0.11	64	-0.02	58	-0.12	58	-0.02	
Meat transfer factor for Pu	63	-0.12	71	-0.02	88	0.00	88	0.00	
Milk transfer factor for Pu	72	0.08	75	0.01	72	0.05	72	0.01	
Fish transfer factor for Pu	13	0.53	23	0.12	13	0.42	13	0.08	
Plant transfer factor for Pa	29	-0.38	27	-0.10	34	-0.29	33	-0.05	
Meat transfer factor for Pa	60	0.16	62	0.02	59	-0.12	59	-0.02	
Milk transfer factor for Pa	16	-0.47	33	-0.08	64	-0.10	64	-0.02	
Fish transfer factor for Pa	4	-0.72	11	-0.19	25	-0.33	25	-0.06	
Plant transfer factor for Ra	23	0.43	38	0.06	4	0.67	4	0.16	
Meat transfer factor for Ra	14	0.51	22	0.12	43	0.21	44	0.04	
Milk transfer factor for Ra	86	-0.02	87	0.00	74	-0.04	74	-0.01	
Fish transfer factor for Ra	47	-0.25	55	-0.04	82	-0.02	82	0.00	
Plant transfer factor for Tc	50	0.24	37	0.06	78	0.02	78	0.00	
Meat transfer factor for Tc	9	-0.60	19	-0.12	56	-0.13	55	-0.02	
Milk transfer factor for Tc	31	0.36	46	0.05	81	-0.02	80	0.00	
Fish transfer factor for Tc	42	0.27	35	0.07	77	0.02	77	0.00	
Plant transfer factor for Th	69	-0.09	69	-0.02	31	-0.30	30	-0.06	
Meat transfer factor for Th	75	-0.06	76	-0.01	55	0.14	56	0.02	
Milk transfer factor for Th	56	0.20	51	0.04	6	0.50	6	0.10	
Fish transfer factor for Th	61	0.15	60	0.03	7	0.50	7	0.10	
Plant transfer factor for U	1	0.97	1	0.68	2	0.96	2	0.58	
Meat transfer factor for U	85	0.02	86	0.00	26	0.32	26	0.06	
Milk transfer factor for U	57	0.20	61	0.03	3	0.71	3	0.18	
Fish transfer factor for U	25	-0.40	30	-0.09	57	-0.13	57	-0.02	
Well pumping rate	54	-0.21	54	-0.04	18	0.38	18	0.07	
Mass loading for inhalation	34	-0.34	49	-0.04	42	0.21	42	0.04	
Indoor dust filtration factor	70	-0.08	74	-0.01	35	0.26	35	0.05	
Depth of soil mixing layer	46	-0.26	53	-0.04	39	0.23	39	0.04	
Depth of roots	2	0.92	2	0.49	1	0.96	1	0.65	
Wet weight crop yield of fruit, grain and non-leafy vegetables	81	-0.03	83	0.00	12	0.42	12	0.08	
Weathering removal constant of all vegetation	7	0.61	15	0.14	47	0.18	47	0.03	
Wet foliar interception fraction of leafy vegetables	39	0.30	47	0.05	65	0.09	65	0.02	

R-SQUARE 0.99 0.99 0.97 0.97

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

Coefficients for peak U-234 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable	Sig	Coef	Sig	Coef	Sig	Coef	Sig	Coef	Sig
Kd of Ac-227 in Contaminated Zone	12	0.41	28	0.14	60	-0.13	60	-0.02	
Kd of Ac-227 in Unsaturated Zone 1	27	0.27	32	0.12	28	0.31	28	0.06	
Kd of Ac-227 in Saturated Zone	80	-0.03	81	-0.01	58	0.14	58	0.02	
Kd of Am-241 in Contaminated Zone	5	0.50	11	0.25	61	-0.12	61	-0.02	
Kd of Am-241 in Unsaturated Zone 1	22	-0.33	2	-9.96	20	-0.35	20	-0.07	
Kd of Am-241 in Saturated Zone	25	0.30	37	0.11	51	-0.18	52	-0.03	
Kd of Np-237 in Contaminated Zone	57	0.14	66	0.05	83	0.04	83	0.01	
Kd of Np-237 in Unsaturated Zone 1	65	0.11	60	0.06	47	-0.20	47	-0.04	
Kd of Np-237 in Saturated Zone	85	0.02	83	0.01	38	-0.24	38	-0.04	
Kd of Pa-231 in Contaminated Zone	9	0.48	20	0.20	87	-0.02	87	0.00	
Kd of Pa-231 in Unsaturated Zone 1	52	-0.16	39	-0.10	9	0.42	10	0.08	
Kd of Pa-231 in Saturated Zone	14	0.41	9	0.27	22	0.34	21	0.06	
Kd of Pb-210 in Contaminated Zone	77	0.05	80	0.02	59	0.14	59	0.02	
Kd of Pb-210 in Unsaturated Zone 1	81	0.02	78	0.02	43	0.21	44	0.04	
Kd of Pb-210 in Saturated Zone	51	-0.16	50	-0.08	34	0.27	34	0.05	
Kd of Pu-239 in Contaminated Zone	43	-0.19	38	-0.10	27	0.31	27	0.06	
Kd of Pu-239 in Unsaturated Zone 1	29	0.25	44	0.09	74	0.08	75	0.01	
Kd of Pu-239 in Saturated Zone	49	0.17	52	0.08	26	0.32	26	0.06	
Kd of Ra-226 in Contaminated Zone	74	-0.06	75	-0.02	23	0.33	24	0.06	
Kd of Ra-226 in Unsaturated Zone 1	44	-0.19	46	-0.08	41	-0.23	41	-0.04	
Kd of Ra-226 in Saturated Zone	64	0.11	61	0.05	29	0.29	29	0.05	
Kd of Ra-228 in Contaminated Zone	38	0.21	43	0.09	35	0.26	35	0.05	
Kd of Ra-228 in Unsaturated Zone 1	48	-0.17	29	-0.13	54	-0.17	54	-0.03	
Kd of Ra-228 in Saturated Zone	42	-0.20	48	-0.08	12	-0.41	12	-0.08	
Kd of Tc-99 in Saturated Zone	36	-0.22	51	-0.08	55	-0.17	56	-0.03	
Kd of Th-228 in Contaminated Zone	87	0.01	87	0.00	40	0.23	40	0.04	
Kd of Th-228 in Unsaturated Zone 1	11	-0.46	5	-0.45	49	-0.20	49	-0.04	
Kd of Th-228 in Saturated Zone	39	-0.21	45	-0.09	52	-0.18	51	-0.03	
Kd of Th-229 in Contaminated Zone	16	0.40	22	0.16	17	-0.36	18	-0.07	
Kd of Th-229 in Unsaturated Zone 1	58	0.14	62	0.05	56	0.16	55	0.03	
Kd of Th-229 in Saturated Zone	89	0.00	89	0.00	73	-0.08	73	-0.01	
Kd of Th-230 in Contaminated Zone	13	0.41	19	0.20	21	0.34	22	0.06	
Kd of Th-230 in Unsaturated Zone 1	63	0.13	67	0.04	64	-0.11	64	-0.02	
Kd of Th-230 in Saturated Zone	23	0.32	8	0.28	76	0.07	76	0.01	
Kd of Th-232 in Contaminated Zone	86	0.01	85	0.01	33	-0.28	33	-0.05	
Kd of Th-232 in Unsaturated Zone 1	21	0.34	1	10.17	46	0.21	46	0.04	
Kd of Th-232 in Saturated Zone	26	-0.30	40	-0.10	79	0.06	79	0.01	
Kd of U-233 in Saturated Zone	15	0.41	21	0.20	6	0.46	7	0.09	
Kd of U-234 in Saturated Zone	66	-0.11	58	-0.06	67	-0.10	67	-0.02	
Kd of U-235 in Saturated Zone	47	0.17	27	0.14	10	0.42	9	0.08	
Kd of U-238 in Saturated Zone	53	-0.15	31	-0.13	30	-0.29	30	-0.05	
Plant transfer factor for Ac	34	-0.24	23	-0.16	57	-0.16	57	-0.03	
Meat transfer factor for Ac	30	-0.25	34	-0.12	72	-0.08	72	-0.01	
Milk transfer factor for Ac	75	0.05	77	0.02	68	-0.10	68	-0.02	
Fish transfer factor for Ac	20	-0.36	10	-0.26	66	-0.10	66	-0.02	
Plant transfer factor for Am	84	-0.02	86	-0.01	89	0.01	89	0.00	
Meat transfer factor for Am	79	0.03	79	0.02	63	-0.11	63	-0.02	
Milk transfer factor for Am	40	0.21	30	0.13	5	-0.46	5	-0.09	
Fish transfer factor for Am	33	0.24	36	0.11	86	0.02	86	0.00	
Plant transfer factor for Pb	73	0.07	64	0.05	8	0.44	8	0.09	
Meat transfer factor for Pb	82	0.02	82	0.01	85	0.03	85	0.00	
Milk transfer factor for Pb	59	-0.14	57	-0.06	18	0.35	17	0.07	
Fish transfer factor for Pb	62	-0.13	71	-0.04	25	0.32	25	0.06	
Plant transfer factor for Np	4	-0.53	13	-0.25	37	0.24	37	0.04	
Meat transfer factor for Np	56	0.14	63	0.05	24	0.32	23	0.06	
Milk transfer factor for Np	67	0.10	53	0.07	50	0.19	50	0.03	
Fish transfer factor for Np	76	0.05	72	0.03	31	0.29	31	0.05	
Plant transfer factor for Pu	88	0.01	88	0.00	16	-0.38	15	-0.07	
Meat transfer factor for Pu	6	-0.50	18	-0.21	36	-0.26	36	-0.05	
Milk transfer factor for Pu	8	0.48	15	0.23	78	0.07	78	0.01	
Fish transfer factor for Pu	71	-0.09	74	-0.03	65	-0.11	65	-0.02	
Plant transfer factor for Pa	55	-0.15	59	-0.06	48	-0.20	48	-0.04	
Meat transfer factor for Pa	61	0.13	47	0.08	45	0.21	45	0.04	
Milk transfer factor for Pa	18	0.37	12	0.25	82	-0.04	82	-0.01	
Fish transfer factor for Pa	7	-0.49	17	-0.21	75	-0.08	74	-0.01	
Plant transfer factor for Ra	46	0.18	35	0.11	3	0.73	3	0.18	
Meat transfer factor for Ra	32	-0.24	33	-0.12	42	-0.21	43	-0.04	
Milk transfer factor for Ra	35	-0.24	42	-0.10	7	-0.45	6	-0.09	
Fish transfer factor for Ra	37	0.21	56	0.06	53	-0.18	53	-0.03	
Plant transfer factor for Tc	68	0.10	69	0.04	44	-0.21	42	-0.04	
Meat transfer factor for Tc	60	-0.13	54	-0.07	39	-0.24	39	-0.04	
Milk transfer factor for Tc	72	-0.08	73	-0.03	32	-0.29	32	-0.05	
Fish transfer factor for Tc	17	0.38	16	0.23	62	-0.12	62	-0.02	
Plant transfer factor for Th	24	0.32	26	0.14	11	0.41	11	0.08	
Meat transfer factor for Th	19	-0.37	6	-0.33	14	-0.39	14	-0.07	
Milk transfer factor for Th	83	-0.02	84	-0.01	70	0.09	70	0.02	
Fish transfer factor for Th	45	0.19	55	0.06	88	0.01	88	0.00	
Plant transfer factor for U	1	0.82	3	0.59	2	0.95	2	0.55	
Meat transfer factor for U	69	-0.10	65	-0.05	84	-0.03	84	-0.01	
Milk transfer factor for U	41	-0.20	41	-0.10	71	0.08	71	0.01	
Fish transfer factor for U	78	-0.04	76	-0.02	80	0.06	80	0.01	
Well pumping rate	3	0.64	7	0.31	15	0.38	16	0.07	
Mass loading for inhalation	28	-0.27	25	-0.14	81	-0.05	81	-0.01	
Indoor dust filtration factor	50	-0.17	49	-0.08	4	0.53	4	0.11	
Depth of soil mixing layer	10	0.47	14	0.23	13	0.39	13	0.08	
Depth of roots	2	0.77	4	0.49	1	0.97	1	0.70	
Wet weight crop yield of fruit, grain and non-leafy vegetables	70	0.10	70	0.04	77	-0.07	77	-0.01	
Weathering removal constant of all vegetation	31	-0.25	24	-0.15	19	0.35	19	0.07	
Wet foliar interception fraction of leafy vegetables	54	0.15	68	0.04	69	0.10	69	0.02	

R-SQUARE 0.96 0.96 0.97 0.97

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

Coefficients for peak U-235 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		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	75	0.03	79	0.03	83	-0.04	83	-0.01	
Kd of Ac-227 in Unsaturated Zone 1	58	-0.12	62	-0.11	23	-0.30	25	-0.08	
Kd of Ac-227 in Saturated Zone	72	-0.06	70	-0.07	71	0.11	71	0.03	
Kd of Am-241 in Contaminated Zone	69	-0.08	67	-0.09	73	-0.10	74	-0.02	
Kd of Am-241 in Unsaturated Zone 1	77	0.03	72	0.06	60	0.15	60	0.04	
Kd of Am-241 in Saturated Zone	52	-0.14	8	-0.60	44	-0.20	44	-0.05	
Kd of Np-237 in Contaminated Zone	23	-0.30	4	-0.76	15	0.36	16	0.09	
Kd of Np-237 in Unsaturated Zone 1	33	0.23	25	0.39	84	-0.03	84	-0.01	
Kd of Np-237 in Saturated Zone	61	-0.12	61	-0.12	75	-0.09	75	-0.02	
Kd of Pa-231 in Contaminated Zone	7	-0.46	11	-0.56	9	0.41	10	0.11	
Kd of Pa-231 in Unsaturated Zone 1	74	0.04	49	0.17	4	-0.63	4	-0.20	
Kd of Pa-231 in Saturated Zone	27	-0.28	31	-0.30	3	-0.67	3	-0.22	
Kd of Pb-210 in Contaminated Zone	22	0.32	19	0.43	65	0.13	65	0.03	
Kd of Pb-210 in Unsaturated Zone 1	12	0.42	2	0.89	26	-0.29	26	-0.07	
Kd of Pb-210 in Saturated Zone	17	0.34	7	0.61	28	0.28	28	0.07	
Kd of Pu-239 in Contaminated Zone	88	0.00	88	0.00	24	-0.29	24	-0.08	
Kd of Pu-239 in Unsaturated Zone 1	50	-0.14	47	-0.18	74	-0.10	72	-0.03	
Kd of Pu-239 in Saturated Zone	35	-0.22	34	-0.28	86	0.03	86	0.01	
Kd of Ra-226 in Contaminated Zone	28	0.28	15	0.48	58	0.15	58	0.04	
Kd of Ra-226 in Unsaturated Zone 1	85	0.01	85	0.01	89	0.00	89	0.00	
Kd of Ra-226 in Saturated Zone	89	0.00	89	0.00	55	-0.17	55	-0.04	
Kd of Ra-228 in Contaminated Zone	63	0.10	42	0.23	42	0.21	43	0.05	
Kd of Ra-228 in Unsaturated Zone 1	26	-0.29	39	-0.27	40	0.22	39	0.06	
Kd of Ra-228 in Saturated Zone	66	-0.09	58	-0.13	88	-0.01	88	0.00	
Kd of Tc-99 in Saturated Zone	62	0.10	64	0.10	21	0.31	21	0.08	
Kd of Th-228 in Contaminated Zone	56	0.12	68	0.08	56	-0.16	56	-0.04	
Kd of Th-228 in Unsaturated Zone 1	81	-0.02	76	-0.04	32	0.25	32	0.06	
Kd of Th-228 in Saturated Zone	14	-0.41	3	-0.84	22	-0.30	23	-0.08	
Kd of Th-229 in Contaminated Zone	83	-0.02	82	-0.02	50	-0.18	50	-0.05	
Kd of Th-229 in Unsaturated Zone 1	37	0.21	14	0.50	78	0.08	78	0.02	
Kd of Th-229 in Saturated Zone	71	-0.07	74	-0.06	16	-0.36	15	-0.09	
Kd of Th-230 in Contaminated Zone	76	-0.03	78	-0.04	81	-0.06	81	-0.01	
Kd of Th-230 in Unsaturated Zone 1	42	0.18	30	0.30	79	-0.08	79	-0.02	
Kd of Th-230 in Saturated Zone	51	0.14	53	0.16	80	0.06	80	0.02	
Kd of Th-232 in Contaminated Zone	59	-0.12	60	-0.13	13	0.36	13	0.10	
Kd of Th-232 in Unsaturated Zone 1	86	0.01	86	0.01	49	0.19	49	0.05	
Kd of Th-232 in Saturated Zone	21	-0.33	27	-0.36	59	-0.15	59	-0.04	
Kd of U-233 in Saturated Zone	20	0.33	26	0.36	31	-0.27	31	-0.07	
Kd of U-234 in Saturated Zone	44	-0.17	13	-0.52	68	-0.12	69	-0.03	
Kd of U-235 in Saturated Zone	46	-0.17	33	-0.28	19	0.34	19	0.09	
Kd of U-238 in Saturated Zone	15	0.40	9	0.59	76	0.09	76	0.02	
Plant transfer factor for Ac	32	0.23	43	0.22	18	0.34	18	0.09	
Meat transfer factor for Ac	24	0.30	32	0.29	63	0.14	63	0.03	
Milk transfer factor for Ac	40	-0.19	37	-0.27	25	-0.29	22	-0.08	
Fish transfer factor for Ac	11	-0.44	10	-0.56	52	0.18	52	0.05	
Plant transfer factor for Am	9	-0.45	18	-0.44	27	-0.29	27	-0.07	
Meat transfer factor for Am	54	-0.13	46	-0.19	77	-0.09	77	-0.02	
Milk transfer factor for Am	48	-0.15	52	-0.16	57	0.16	57	0.04	
Fish transfer factor for Am	18	0.34	16	0.46	82	-0.06	82	-0.01	
Plant transfer factor for Pb	1	-0.64	1	-1.15	36	-0.23	37	-0.06	
Meat transfer factor for Pb	70	-0.08	73	-0.06	46	-0.20	46	-0.05	
Milk transfer factor for Pb	31	0.23	38	0.27	39	-0.22	40	-0.05	
Fish transfer factor for Pb	49	-0.15	56	-0.14	38	0.22	38	0.06	
Plant transfer factor for Np	73	0.05	75	0.05	37	-0.23	36	-0.06	
Meat transfer factor for Np	60	-0.12	65	-0.10	33	0.25	33	0.06	
Milk transfer factor for Np	29	0.26	40	0.25	45	0.20	45	0.05	
Fish transfer factor for Np	79	-0.02	77	-0.04	29	0.28	30	0.07	
Plant transfer factor for Pu	67	0.09	69	0.08	11	0.40	11	0.11	
Meat transfer factor for Pu	19	-0.34	35	-0.28	34	-0.24	34	-0.06	
Milk transfer factor for Pu	25	0.30	29	0.32	7	-0.45	7	-0.12	
Fish transfer factor for Pu	13	0.41	28	0.33	14	0.36	17	0.09	
Plant transfer factor for Pa	34	-0.22	36	-0.27	2	0.88	2	0.48	
Meat transfer factor for Pa	5	-0.49	20	-0.43	53	-0.18	54	-0.04	
Milk transfer factor for Pa	87	0.00	87	0.00	17	-0.36	14	-0.09	
Fish transfer factor for Pa	57	0.12	45	0.20	51	0.18	51	0.05	
Plant transfer factor for Ra	65	0.09	66	0.09	64	-0.13	64	-0.03	
Meat transfer factor for Ra	41	0.18	41	0.24	6	0.47	6	0.13	
Milk transfer factor for Ra	16	-0.38	23	-0.41	87	-0.02	87	0.00	
Fish transfer factor for Ra	30	-0.24	22	-0.42	72	-0.10	73	-0.03	
Plant transfer factor for Tc	80	0.02	81	0.02	61	0.14	61	0.04	
Meat transfer factor for Tc	64	0.10	63	0.11	43	0.21	42	0.05	
Milk transfer factor for Tc	84	0.01	84	0.01	41	-0.21	41	-0.05	
Fish transfer factor for Tc	47	-0.15	57	-0.14	8	-0.44	8	-0.12	
Plant transfer factor for Th	43	0.17	51	0.16	30	0.28	29	0.07	
Meat transfer factor for Th	4	0.49	6	0.63	62	0.14	62	0.04	
Milk transfer factor for Th	38	0.20	50	0.17	69	0.12	68	0.03	
Fish transfer factor for Th	53	-0.13	59	-0.13	66	-0.13	66	-0.03	
Plant transfer factor for U	6	0.47	24	0.41	12	0.40	12	0.11	
Meat transfer factor for U	45	-0.17	54	-0.15	5	0.51	5	0.15	
Milk transfer factor for U	36	0.22	44	0.20	35	0.24	35	0.06	
Fish transfer factor for U	2	-0.53	12	-0.53	54	-0.18	53	-0.04	
Well pumping rate	39	-0.20	48	-0.18	20	-0.32	20	-0.08	
Mass loading for inhalation	3	-0.50	17	-0.45	10	-0.41	9	-0.11	
Indoor dust filtration factor	10	-0.45	21	-0.43	48	-0.19	48	-0.05	
Depth of soil mixing layer	78	0.03	80	0.02	70	-0.11	70	-0.03	
Depth of roots	82	-0.02	83	-0.01	1	0.91	1	0.54	
Wet weight crop yield of fruit, grain and non-leafy vegetables	68	0.08	71	0.07	47	0.19	47	0.05	
Weathering removal constant of all vegetation	55	0.13	55	0.14	85	-0.03	85	-0.01	
Wet foliar interception fraction of leafy vegetables	8	-0.45	5	-0.70	67	-0.13	67	-0.03	
R-SQUARE		0.81		0.81		0.94		0.94	

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

Coefficients for peak U-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	63	-0.10	52	-0.08	54	0.14	54	0.04	
Kd of Ac-227 in Unsaturated Zone 1	68	0.08	63	0.06	38	-0.19	38	-0.05	
Kd of Ac-227 in Saturated Zone	25	-0.38	41	-0.13	40	0.18	40	0.05	
Kd of Am-241 in Contaminated Zone	7	0.53	14	0.28	78	0.06	78	0.02	
Kd of Am-241 in Unsaturated Zone 1	41	-0.24	4	-0.53	74	0.06	73	0.02	
Kd of Am-241 in Saturated Zone	43	0.24	31	0.19	69	-0.07	69	-0.02	
Kd of Np-237 in Contaminated Zone	89	0.00	89	0.00	76	-0.06	76	-0.02	
Kd of Np-237 in Unsaturated Zone 1	13	0.46	27	0.21	30	-0.26	30	-0.07	
Kd of Np-237 in Saturated Zone	28	-0.37	11	-0.34	45	-0.16	45	-0.05	
Kd of Pa-231 in Contaminated Zone	30	-0.32	35	-0.17	39	0.19	39	0.05	
Kd of Pa-231 in Unsaturated Zone 1	50	-0.17	51	-0.08	3	-0.73	3	-0.29	
Kd of Pa-231 in Saturated Zone	74	-0.04	78	-0.02	4	-0.65	4	-0.23	
Kd of Pb-210 in Contaminated Zone	79	0.03	68	0.04	89	-0.01	89	0.00	
Kd of Pb-210 in Unsaturated Zone 1	31	-0.31	28	-0.21	83	-0.03	83	-0.01	
Kd of Pb-210 in Saturated Zone	1	0.80	3	0.60	68	-0.07	68	-0.02	
Kd of Pu-239 in Contaminated Zone	83	-0.02	83	-0.01	42	0.18	43	0.05	
Kd of Pu-239 in Unsaturated Zone 1	77	0.03	73	0.02	27	0.28	27	0.08	
Kd of Pu-239 in Saturated Zone	3	0.60	1	0.92	12	0.44	12	0.14	
Kd of Ra-226 in Contaminated Zone	24	0.38	33	0.18	21	-0.32	21	-0.09	
Kd of Ra-226 in Unsaturated Zone 1	78	-0.03	79	-0.02	61	0.10	61	0.03	
Kd of Ra-226 in Saturated Zone	32	0.31	5	0.52	79	0.05	79	0.01	
Kd of Ra-228 in Contaminated Zone	44	0.22	6	0.48	77	-0.06	77	-0.02	
Kd of Ra-228 in Unsaturated Zone 1	66	-0.09	66	-0.04	84	0.03	84	0.01	
Kd of Ra-228 in Saturated Zone	21	0.40	13	0.29	55	0.14	55	0.04	
Kd of Tc-99 in Saturated Zone	46	-0.19	38	-0.16	46	0.16	46	0.05	
Kd of Th-228 in Contaminated Zone	49	-0.18	53	-0.08	8	-0.50	8	-0.16	
Kd of Th-228 in Unsaturated Zone 1	80	0.03	80	0.01	19	0.34	18	0.10	
Kd of Th-228 in Saturated Zone	52	0.16	55	0.08	64	0.09	65	0.02	
Kd of Th-229 in Contaminated Zone	8	0.51	12	0.33	73	0.06	74	0.02	
Kd of Th-229 in Unsaturated Zone 1	37	-0.27	45	-0.10	88	-0.01	88	0.00	
Kd of Th-229 in Saturated Zone	59	0.14	21	0.24	71	-0.06	71	-0.02	
Kd of Th-230 in Contaminated Zone	34	0.30	17	0.26	5	0.55	5	0.18	
Kd of Th-230 in Unsaturated Zone 1	33	-0.30	16	-0.27	60	0.10	60	0.03	
Kd of Th-230 in Saturated Zone	36	-0.28	7	-0.42	70	-0.07	70	-0.02	
Kd of Th-232 in Contaminated Zone	86	0.01	87	0.01	82	-0.04	82	-0.01	
Kd of Th-232 in Unsaturated Zone 1	64	0.10	69	0.04	17	0.35	17	0.10	
Kd of Th-232 in Saturated Zone	72	-0.05	71	-0.03	52	0.15	52	0.04	
Kd of U-233 in Saturated Zone	51	0.17	46	0.10	31	0.25	31	0.07	
Kd of U-234 in Saturated Zone	60	-0.13	50	-0.09	51	-0.15	49	-0.04	
Kd of U-235 in Saturated Zone	82	0.02	81	0.01	15	-0.41	16	-0.12	
Kd of U-238 in Saturated Zone	10	-0.49	2	-0.76	26	0.28	26	0.08	
Plant transfer factor for Ac	42	0.24	44	0.11	7	0.52	7	0.17	
Meat transfer factor for Ac	65	0.09	65	0.05	62	-0.09	62	-0.03	
Milk transfer factor for Ac	47	0.19	49	0.09	56	-0.12	57	-0.03	
Fish transfer factor for Ac	88	0.01	88	0.00	50	-0.16	51	-0.04	
Plant transfer factor for Am	27	0.37	32	0.18	35	-0.24	33	-0.07	
Meat transfer factor for Am	61	0.13	59	0.07	63	-0.09	63	-0.02	
Milk transfer factor for Am	54	-0.16	58	-0.07	86	0.02	86	0.01	
Fish transfer factor for Am	57	0.15	54	0.08	6	0.53	6	0.17	
Plant transfer factor for Pb	55	-0.15	48	-0.10	28	0.27	28	0.08	
Meat transfer factor for Pb	12	0.47	25	0.22	66	0.08	66	0.02	
Milk transfer factor for Pb	29	-0.32	39	-0.15	87	-0.01	87	0.00	
Fish transfer factor for Pb	6	-0.54	19	-0.25	10	-0.49	10	-0.15	
Plant transfer factor for Np	17	0.42	10	0.34	67	-0.07	67	-0.02	
Meat transfer factor for Np	35	-0.28	42	-0.13	24	-0.31	24	-0.09	
Milk transfer factor for Np	84	0.02	85	0.01	37	-0.20	37	-0.06	
Fish transfer factor for Np	38	-0.26	34	-0.17	48	0.16	48	0.04	
Plant transfer factor for Pu	85	0.02	84	0.01	80	0.05	80	0.01	
Meat transfer factor for Pu	58	-0.14	61	-0.06	13	-0.44	13	-0.13	
Milk transfer factor for Pu	22	0.39	37	0.16	25	-0.29	25	-0.08	
Fish transfer factor for Pu	19	0.42	23	0.23	32	0.24	32	0.07	
Plant transfer factor for Pa	67	-0.08	64	-0.05	2	0.82	2	0.40	
Meat transfer factor for Pa	40	-0.25	47	-0.10	29	0.26	29	0.07	
Milk transfer factor for Pa	48	-0.18	56	-0.07	85	-0.02	85	-0.01	
Fish transfer factor for Pa	56	0.15	57	0.07	59	-0.12	59	-0.03	
Plant transfer factor for Ra	53	-0.16	62	-0.06	14	-0.43	14	-0.13	
Meat transfer factor for Ra	75	0.04	77	0.02	22	0.32	23	0.09	
Milk transfer factor for Ra	81	0.03	82	0.01	47	-0.16	47	-0.04	
Fish transfer factor for Ra	9	-0.49	26	-0.22	53	0.15	53	0.04	
Plant transfer factor for Tc	71	0.05	70	0.04	9	-0.49	9	-0.15	
Meat transfer factor for Tc	5	-0.54	15	-0.28	57	0.12	56	0.03	
Milk transfer factor for Tc	18	0.42	36	0.17	75	0.06	75	0.02	
Fish transfer factor for Tc	73	-0.04	75	-0.02	11	0.48	11	0.15	
Plant transfer factor for Th	4	-0.57	8	-0.37	65	-0.09	64	-0.02	
Meat transfer factor for Th	14	-0.45	24	-0.22	23	0.32	22	0.09	
Milk transfer factor for Th	20	0.41	22	0.23	43	0.18	42	0.05	
Fish transfer factor for Th	11	-0.49	18	-0.25	41	0.18	41	0.05	
Plant transfer factor for U	23	-0.38	30	-0.19	33	0.24	35	0.07	
Meat transfer factor for U	26	0.37	40	0.15	49	-0.16	50	-0.04	
Milk transfer factor for U	45	-0.20	60	-0.07	18	0.34	19	0.10	
Fish transfer factor for U	76	-0.03	76	-0.02	44	-0.16	44	-0.05	
Well pumping rate	39	0.25	43	0.13	72	-0.06	72	-0.02	
Mass loading for inhalation	62	0.13	67	0.04	16	0.40	15	0.12	
Indoor dust filtration factor	69	0.06	72	0.03	36	0.20	36	0.06	
Depth of soil mixing layer	2	-0.66	9	-0.35	58	-0.12	58	-0.03	
Depth of roots	87	-0.01	86	-0.01	1	0.87	1	0.50	
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	-0.43	29	-0.20	20	0.32	20	0.09	
Weathering removal constant of all vegetation	15	0.44	20	0.24	81	-0.05	81	-0.01	
Wet foliar interception fraction of leafy vegetables	70	0.06	74	0.02	34	0.24	34	0.07	

R-SQUARE 0.95 0.95 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 U-235 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Ac-227 in Contaminated Zone	16	-0.35	36	-0.23	9	-0.46	9	-0.16	
Kd of Ac-227 in Unsaturated Zone 1	53	-0.15	58	-0.14	13	-0.41	13	-0.13	
Kd of Ac-227 in Saturated Zone	24	-0.30	22	-0.33	30	-0.25	30	-0.08	
Kd of Am-241 in Contaminated Zone	81	0.02	81	0.02	7	0.48	7	0.16	
Kd of Am-241 in Unsaturated Zone 1	62	-0.13	2	-7.45	79	-0.04	79	-0.01	
Kd of Am-241 in Saturated Zone	64	-0.12	69	-0.08	37	-0.22	37	-0.07	
Kd of Np-237 in Contaminated Zone	27	0.27	46	0.19	10	0.44	10	0.14	
Kd of Np-237 in Unsaturated Zone 1	39	0.21	35	0.24	81	0.03	81	0.01	
Kd of Np-237 in Saturated Zone	31	0.26	28	0.28	45	-0.18	45	-0.06	
Kd of Pa-231 in Contaminated Zone	83	-0.02	86	-0.01	82	-0.03	82	-0.01	
Kd of Pa-231 in Unsaturated Zone 1	33	-0.26	20	-0.35	5	-0.52	5	-0.18	
Kd of Pa-231 in Saturated Zone	58	-0.14	50	-0.17	17	-0.34	17	-0.11	
Kd of Pb-210 in Contaminated Zone	41	0.21	52	0.17	26	-0.27	26	-0.08	
Kd of Pb-210 in Unsaturated Zone 1	59	-0.13	40	-0.22	83	0.03	83	0.01	
Kd of Pb-210 in Saturated Zone	78	-0.03	76	-0.03	41	-0.20	41	-0.06	
Kd of Pu-239 in Contaminated Zone	52	0.16	49	0.17	32	0.25	33	0.08	
Kd of Pu-239 in Unsaturated Zone 1	76	0.03	79	0.03	86	-0.01	86	0.00	
Kd of Pu-239 in Saturated Zone	63	-0.12	61	-0.11	27	-0.26	27	-0.08	
Kd of Ra-226 in Contaminated Zone	19	0.33	25	0.29	76	0.06	76	0.02	
Kd of Ra-226 in Unsaturated Zone 1	32	0.26	34	0.24	58	0.10	58	0.03	
Kd of Ra-226 in Saturated Zone	42	0.20	41	0.20	43	0.19	43	0.06	
Kd of Ra-228 in Contaminated Zone	73	0.05	74	0.04	75	-0.06	75	-0.02	
Kd of Ra-228 in Unsaturated Zone 1	10	0.41	6	0.69	24	-0.29	24	-0.09	
Kd of Ra-228 in Saturated Zone	22	0.31	29	0.27	77	0.05	77	0.02	
Kd of Tc-99 in Saturated Zone	55	0.14	62	0.10	28	0.26	29	0.08	
Kd of Th-228 in Contaminated Zone	38	0.22	48	0.19	8	0.47	8	0.16	
Kd of Th-228 in Unsaturated Zone 1	36	0.23	15	0.43	48	-0.18	47	-0.05	
Kd of Th-228 in Saturated Zone	43	-0.19	51	-0.17	70	0.07	70	0.02	
Kd of Th-229 in Contaminated Zone	23	-0.31	32	-0.25	44	0.19	44	0.06	
Kd of Th-229 in Unsaturated Zone 1	9	0.46	16	0.42	23	-0.30	21	-0.10	
Kd of Th-229 in Saturated Zone	28	-0.27	23	-0.31	60	0.10	60	0.03	
Kd of Th-230 in Contaminated Zone	14	-0.37	18	-0.38	53	-0.15	53	-0.04	
Kd of Th-230 in Unsaturated Zone 1	51	-0.16	60	-0.11	22	0.30	23	0.09	
Kd of Th-230 in Saturated Zone	84	0.01	80	0.03	89	0.00	89	0.00	
Kd of Th-232 in Contaminated Zone	69	0.08	64	0.10	71	0.07	73	0.02	
Kd of Th-232 in Unsaturated Zone 1	60	0.13	1	7.57	80	0.04	80	0.01	
Kd of Th-232 in Saturated Zone	56	0.14	66	0.09	59	-0.10	59	-0.03	
Kd of U-233 in Saturated Zone	67	-0.10	65	-0.10	55	-0.12	55	-0.03	
Kd of U-234 in Saturated Zone	57	0.14	53	0.16	29	0.26	28	0.08	
Kd of U-235 in Saturated Zone	3	0.57	3	1.14	72	0.07	72	0.02	
Kd of U-238 in Saturated Zone	5	-0.51	5	-1.03	4	-0.53	4	-0.19	
Plant transfer factor for Ac	48	-0.18	33	-0.25	46	-0.18	46	-0.05	
Meat transfer factor for Ac	82	-0.02	82	-0.02	61	-0.10	61	-0.03	
Milk transfer factor for Ac	34	0.25	44	0.20	66	0.08	67	0.03	
Fish transfer factor for Ac	35	0.24	21	0.34	15	0.38	14	0.12	
Plant transfer factor for Am	30	-0.26	39	-0.22	19	-0.33	18	-0.10	
Meat transfer factor for Am	61	0.13	54	0.15	36	0.22	36	0.07	
Milk transfer factor for Am	21	-0.31	17	-0.41	42	-0.19	42	-0.06	
Fish transfer factor for Am	89	0.00	89	0.00	20	0.31	22	0.10	
Plant transfer factor for Pb	13	0.38	7	0.65	51	0.16	51	0.05	
Meat transfer factor for Pb	4	0.52	9	0.61	67	0.08	65	0.03	
Milk transfer factor for Pb	75	0.04	75	0.04	40	0.20	39	0.06	
Fish transfer factor for Pb	49	0.16	63	0.10	63	-0.09	63	-0.03	
Plant transfer factor for Np	6	0.50	13	0.47	69	-0.07	69	-0.02	
Meat transfer factor for Np	1	-0.61	10	-0.60	38	-0.21	38	-0.06	
Milk transfer factor for Np	12	0.40	8	0.63	35	0.23	35	0.07	
Fish transfer factor for Np	2	-0.59	4	-1.05	3	-0.62	3	-0.23	
Plant transfer factor for Pu	77	0.03	78	0.03	52	0.15	52	0.04	
Meat transfer factor for Pu	66	0.11	70	0.08	34	-0.24	34	-0.07	
Milk transfer factor for Pu	87	-0.01	87	0.00	49	0.16	50	0.05	
Fish transfer factor for Pu	80	-0.02	83	-0.02	31	0.25	31	0.08	
Plant transfer factor for Pa	65	0.11	67	0.09	1	0.85	1	0.48	
Meat transfer factor for Pa	40	-0.21	27	-0.28	64	0.09	64	0.03	
Milk transfer factor for Pa	17	-0.33	14	-0.46	65	0.09	66	0.03	
Fish transfer factor for Pa	50	-0.16	59	-0.13	33	-0.25	32	-0.08	
Plant transfer factor for Ra	74	-0.04	72	-0.06	18	0.33	19	0.10	
Meat transfer factor for Ra	86	0.01	85	0.01	47	-0.18	48	-0.05	
Milk transfer factor for Ra	29	0.27	38	0.23	85	-0.02	85	0.00	
Fish transfer factor for Ra	68	0.09	73	0.06	54	-0.14	54	-0.04	
Plant transfer factor for Tc	15	-0.36	19	-0.35	73	-0.07	71	-0.02	
Meat transfer factor for Tc	44	0.18	45	0.19	21	0.31	20	0.10	
Milk transfer factor for Tc	18	-0.33	24	-0.29	88	-0.01	88	0.00	
Fish transfer factor for Tc	88	0.00	88	0.00	14	0.38	15	0.12	
Plant transfer factor for Th	37	-0.23	42	-0.20	50	0.16	49	0.05	
Meat transfer factor for Th	70	-0.08	56	-0.14	84	0.03	84	0.01	
Milk transfer factor for Th	8	0.46	11	0.49	12	-0.42	12	-0.14	
Fish transfer factor for Th	20	0.32	37	0.23	87	0.01	87	0.00	
Plant transfer factor for U	26	-0.29	31	-0.26	11	0.43	11	0.14	
Meat transfer factor for U	46	-0.18	47	-0.19	25	-0.28	25	-0.08	
Milk transfer factor for U	54	-0.14	55	-0.14	74	-0.06	74	-0.02	
Fish transfer factor for U	45	-0.18	43	-0.20	62	0.10	62	0.03	
Well pumping rate	47	0.18	57	0.14	68	-0.08	68	-0.02	
Mass loading for inhalation	85	0.01	84	0.01	78	-0.05	78	-0.01	
Indoor dust filtration factor	79	0.03	77	0.03	56	-0.11	56	-0.03	
Depth of soil mixing layer	7	-0.47	12	-0.48	16	0.37	16	0.12	
Depth of roots	71	0.07	71	0.06	2	0.83	2	0.44	
Wet weight crop yield of fruit, grain and non-leafy vegetables	25	0.30	26	0.29	39	0.20	40	0.06	
Weathering removal constant of all vegetation	72	-0.07	68	-0.08	6	0.52	6	0.18	
Wet foliar interception fraction of leafy vegetables	11	-0.41	30	-0.27	57	-0.11	57	-0.03	

R-SQUARE 0.84 0.84 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-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	77	0.02	77	0.01	83	-0.04	83	-0.01	
Kd of Ac-227 in Unsaturated Zone 1	81	-0.01	82	0.00	9	0.46	10	0.08	
Kd of Ac-227 in Saturated Zone	60	-0.10	59	-0.05	21	-0.38	22	-0.06	
Kd of Am-241 in Contaminated Zone	19	0.27	24	0.13	27	-0.33	27	-0.05	
Kd of Am-241 in Unsaturated Zone 1	22	-0.24	7	-0.24	40	-0.26	40	-0.04	
Kd of Am-241 in Saturated Zone	53	-0.13	8	-0.23	80	-0.05	80	-0.01	
Kd of Np-237 in Contaminated Zone	25	-0.22	9	-0.22	32	0.28	33	0.04	
Kd of Np-237 in Unsaturated Zone 1	46	0.15	29	0.11	47	-0.23	47	-0.03	
Kd of Np-237 in Saturated Zone	7	-0.37	15	-0.17	66	-0.11	66	-0.02	
Kd of Pa-231 in Contaminated Zone	9	-0.33	21	-0.15	31	0.29	31	0.04	
Kd of Pa-231 in Unsaturated Zone 1	49	0.15	4	0.26	35	-0.28	34	-0.04	
Kd of Pa-231 in Saturated Zone	72	0.04	73	0.02	25	-0.35	25	-0.06	
Kd of Pb-210 in Contaminated Zone	59	-0.11	57	-0.06	34	0.28	35	0.04	
Kd of Pb-210 in Unsaturated Zone 1	55	0.13	30	0.10	36	-0.27	36	-0.04	
Kd of Pb-210 in Saturated Zone	23	0.24	16	0.16	38	-0.27	38	-0.04	
Kd of Pu-239 in Contaminated Zone	68	-0.06	64	-0.04	16	-0.43	15	-0.07	
Kd of Pu-239 in Unsaturated Zone 1	15	0.29	18	0.16	11	0.45	9	0.08	
Kd of Pu-239 in Saturated Zone	10	-0.32	14	-0.17	22	-0.37	23	-0.06	
Kd of Ra-226 in Contaminated Zone	61	0.10	51	0.07	50	0.19	50	0.03	
Kd of Ra-226 in Unsaturated Zone 1	30	-0.21	27	-0.11	85	-0.02	85	0.00	
Kd of Ra-226 in Saturated Zone	88	0.00	86	0.00	56	-0.16	57	-0.02	
Kd of Ra-228 in Contaminated Zone	39	0.17	20	0.15	74	0.09	74	0.01	
Kd of Ra-228 in Unsaturated Zone 1	24	-0.22	41	-0.08	71	-0.09	71	-0.01	
Kd of Ra-228 in Saturated Zone	64	0.08	60	0.05	77	-0.08	77	-0.01	
Kd of Tc-99 in Saturated Zone	51	-0.14	56	-0.06	87	0.02	87	0.00	
Kd of Th-228 in Contaminated Zone	78	-0.02	80	0.00	45	-0.24	45	-0.04	
Kd of Th-228 in Unsaturated Zone 1	20	0.27	5	0.25	6	0.48	6	0.08	
Kd of Th-228 in Saturated Zone	11	-0.31	6	-0.25	53	0.17	53	0.03	
Kd of Th-229 in Contaminated Zone	56	-0.13	62	-0.05	67	-0.10	67	-0.02	
Kd of Th-229 in Unsaturated Zone 1	45	0.15	23	0.15	58	-0.16	58	-0.02	
Kd of Th-229 in Saturated Zone	17	-0.27	36	-0.09	62	-0.11	62	-0.02	
Kd of Th-230 in Contaminated Zone	82	0.01	81	0.00	70	0.09	70	0.01	
Kd of Th-230 in Unsaturated Zone 1	66	-0.07	61	-0.05	59	-0.15	60	-0.02	
Kd of Th-230 in Saturated Zone	54	-0.13	55	-0.06	86	0.02	86	0.00	
Kd of Th-232 in Contaminated Zone	5	-0.40	13	-0.19	28	0.33	28	0.05	
Kd of Th-232 in Unsaturated Zone 1	43	-0.16	34	-0.10	61	0.13	61	0.02	
Kd of Th-232 in Saturated Zone	40	-0.16	48	-0.07	33	-0.28	32	-0.04	
Kd of U-233 in Saturated Zone	48	0.15	53	0.06	57	0.16	56	0.02	
Kd of U-234 in Saturated Zone	41	-0.16	10	-0.20	41	-0.25	42	-0.04	
Kd of U-235 in Saturated Zone	75	-0.03	70	-0.02	76	-0.08	76	-0.01	
Kd of U-238 in Saturated Zone	42	0.16	37	0.09	63	-0.11	64	-0.02	
Plant transfer factor for Ac	85	-0.01	85	0.00	88	-0.01	88	0.00	
Meat transfer factor for Ac	34	-0.18	50	-0.07	46	0.23	46	0.04	
Milk transfer factor for Ac	37	-0.17	35	-0.10	4	-0.61	4	-0.11	
Fish transfer factor for Ac	69	0.06	69	0.03	39	-0.26	39	-0.04	
Plant transfer factor for Am	87	0.00	88	0.00	37	-0.27	37	-0.04	
Meat transfer factor for Am	12	-0.31	11	-0.19	68	0.10	68	0.02	
Milk transfer factor for Am	44	-0.16	46	-0.07	3	0.65	3	0.12	
Fish transfer factor for Am	80	0.01	78	0.01	54	0.16	54	0.02	
Plant transfer factor for Pb	3	-0.47	3	-0.30	24	-0.37	24	-0.06	
Meat transfer factor for Pb	31	-0.21	49	-0.07	79	-0.06	79	-0.01	
Milk transfer factor for Pb	47	0.15	47	0.07	18	-0.40	18	-0.06	
Fish transfer factor for Pb	58	0.11	63	0.04	64	-0.11	63	-0.02	
Plant transfer factor for Np	65	0.08	68	0.03	69	0.09	69	0.01	
Meat transfer factor for Np	35	-0.18	52	-0.07	51	0.19	52	0.03	
Milk transfer factor for Np	13	0.30	26	0.12	65	-0.11	65	-0.02	
Fish transfer factor for Np	32	-0.20	19	-0.16	15	-0.43	16	-0.07	
Plant transfer factor for Pu	86	0.00	87	0.00	60	0.15	59	0.02	
Meat transfer factor for Pu	18	0.27	38	0.09	42	-0.25	41	-0.04	
Milk transfer factor for Pu	76	-0.02	76	-0.01	75	-0.08	75	-0.01	
Fish transfer factor for Pu	6	0.37	25	0.12	10	0.46	12	0.08	
Plant transfer factor for Pa	67	0.07	67	0.03	8	-0.46	8	-0.08	
Meat transfer factor for Pa	83	0.01	83	0.00	49	0.21	49	0.03	
Milk transfer factor for Pa	62	0.09	65	0.04	17	-0.40	17	-0.06	
Fish transfer factor for Pa	38	0.17	28	0.11	44	0.24	44	0.04	
Plant transfer factor for Ra	52	0.13	58	0.05	14	-0.43	14	-0.07	
Meat transfer factor for Ra	8	0.33	12	0.19	72	0.09	72	0.01	
Milk transfer factor for Ra	70	-0.05	71	-0.02	73	0.09	73	0.01	
Fish transfer factor for Ra	57	-0.11	44	-0.08	29	-0.31	29	-0.05	
Plant transfer factor for Tc	73	0.04	74	0.02	23	0.37	21	0.06	
Meat transfer factor for Tc	50	-0.14	54	-0.06	55	-0.16	55	-0.02	
Milk transfer factor for Tc	27	-0.21	39	-0.08	89	0.01	89	0.00	
Fish transfer factor for Tc	71	0.05	72	0.02	30	-0.30	30	-0.05	
Plant transfer factor for Th	21	0.25	31	0.10	13	0.44	13	0.07	
Meat transfer factor for Th	36	0.18	40	0.08	19	0.39	19	0.06	
Milk transfer factor for Th	4	-0.40	22	-0.15	26	-0.34	26	-0.05	
Fish transfer factor for Th	33	0.19	43	0.08	82	0.05	82	0.01	
Plant transfer factor for U	1	0.92	1	0.73	1	0.97	2	0.64	
Meat transfer factor for U	79	-0.01	79	0.00	7	0.48	7	0.08	
Milk transfer factor for U	29	0.21	42	0.08	43	0.24	43	0.04	
Fish transfer factor for U	28	-0.21	45	-0.07	48	0.21	48	0.03	
Well pumping rate	63	-0.09	66	-0.03	5	-0.60	5	-0.11	
Mass loading for inhalation	14	-0.30	33	-0.10	12	-0.45	11	-0.08	
Indoor dust filtration factor	89	0.00	89	0.00	78	0.07	78	0.01	
Depth of soil mixing layer	84	-0.01	84	0.00	84	0.04	84	0.01	
Depth of roots	2	0.79	2	0.40	2	0.97	1	0.64	
Wet weight crop yield of fruit, grain and non-leafy vegetables	74	0.04	75	0.01	20	0.38	20	0.06	
Weathering removal constant of all vegetation	26	-0.22	32	-0.10	81	0.05	81	0.01	
Wet foliar interception fraction of leafy vegetables	16	-0.28	17	-0.16	52	-0.19	51	-0.03	

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 U-238 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Ac-227 in Contaminated Zone	42	-0.24	32	-0.08	54	-0.15	54	-0.03	
Kd of Ac-227 in Unsaturated Zone 1	49	0.20	43	0.06	37	0.23	37	0.04	
Kd of Ac-227 in Saturated Zone	65	0.14	72	0.02	64	0.10	66	0.02	
Kd of Am-241 in Contaminated Zone	46	0.20	51	0.04	52	-0.16	52	-0.03	
Kd of Am-241 in Unsaturated Zone 1	73	0.09	30	0.08	85	0.01	85	0.00	
Kd of Am-241 in Saturated Zone	55	-0.18	45	-0.06	10	-0.44	10	-0.08	
Kd of Np-237 in Contaminated Zone	62	0.15	53	0.04	35	0.23	36	0.04	
Kd of Np-237 in Unsaturated Zone 1	58	-0.17	65	-0.03	33	-0.25	33	-0.04	
Kd of Np-237 in Saturated Zone	14	0.48	8	0.20	88	-0.01	88	0.00	
Kd of Pa-231 in Contaminated Zone	44	-0.22	48	-0.05	24	-0.33	24	-0.06	
Kd of Pa-231 in Unsaturated Zone 1	21	-0.38	29	-0.08	47	0.19	48	0.03	
Kd of Pa-231 in Saturated Zone	85	0.02	86	0.00	66	-0.10	65	-0.02	
Kd of Pb-210 in Contaminated Zone	38	-0.26	11	-0.16	20	-0.36	20	-0.07	
Kd of Pb-210 in Unsaturated Zone 1	25	-0.35	26	-0.10	68	-0.09	68	-0.02	
Kd of Pb-210 in Saturated Zone	75	0.08	78	0.02	73	0.06	73	0.01	
Kd of Pu-239 in Contaminated Zone	31	0.30	41	0.06	63	0.10	63	0.02	
Kd of Pu-239 in Unsaturated Zone 1	82	-0.05	76	-0.02	31	0.29	31	0.05	
Kd of Pu-239 in Saturated Zone	87	-0.01	83	-0.01	41	-0.21	42	-0.04	
Kd of Ra-226 in Contaminated Zone	52	0.19	57	0.04	18	-0.38	18	-0.07	
Kd of Ra-226 in Unsaturated Zone 1	16	-0.41	19	-0.11	25	-0.33	25	-0.06	
Kd of Ra-226 in Saturated Zone	40	-0.24	10	-0.17	62	0.10	62	0.02	
Kd of Ra-228 in Contaminated Zone	64	-0.14	14	-0.13	72	-0.06	72	-0.01	
Kd of Ra-228 in Unsaturated Zone 1	10	0.50	16	0.12	46	0.20	45	0.03	
Kd of Ra-228 in Saturated Zone	78	0.07	71	0.02	30	-0.29	30	-0.05	
Kd of Tc-99 in Saturated Zone	6	-0.56	4	-0.23	40	0.22	40	0.04	
Kd of Th-228 in Contaminated Zone	48	0.20	50	0.04	26	-0.32	26	-0.06	
Kd of Th-228 in Unsaturated Zone 1	4	-0.66	6	-0.20	77	0.05	77	0.01	
Kd of Th-228 in Saturated Zone	11	-0.49	20	-0.11	42	-0.21	44	-0.04	
Kd of Th-229 in Contaminated Zone	34	0.28	36	0.07	53	0.15	53	0.03	
Kd of Th-229 in Unsaturated Zone 1	74	-0.09	79	-0.01	38	-0.22	39	-0.04	
Kd of Th-229 in Saturated Zone	33	0.28	5	0.20	83	0.02	82	0.00	
Kd of Th-230 in Contaminated Zone	5	-0.64	3	-0.30	82	0.03	83	0.00	
Kd of Th-230 in Unsaturated Zone 1	69	0.10	56	0.04	45	-0.20	46	-0.03	
Kd of Th-230 in Saturated Zone	41	0.24	12	0.15	23	-0.35	23	-0.06	
Kd of Th-232 in Contaminated Zone	76	-0.08	73	-0.02	27	0.31	28	0.05	
Kd of Th-232 in Unsaturated Zone 1	83	0.04	84	0.01	36	0.23	35	0.04	
Kd of Th-232 in Saturated Zone	81	0.07	74	0.02	80	-0.03	80	-0.01	
Kd of U-233 in Saturated Zone	22	-0.37	24	-0.10	28	0.31	27	0.06	
Kd of U-234 in Saturated Zone	20	0.38	18	0.11	70	0.07	70	0.01	
Kd of U-235 in Saturated Zone	77	0.08	75	0.02	59	-0.13	59	-0.02	
Kd of U-238 in Saturated Zone	72	0.09	46	0.05	29	0.30	29	0.05	
Plant transfer factor for Ac	57	0.17	60	0.03	51	-0.17	51	-0.03	
Meat transfer factor for Ac	37	-0.26	42	-0.06	9	-0.44	9	-0.08	
Milk transfer factor for Ac	66	-0.13	69	-0.03	21	-0.35	21	-0.06	
Fish transfer factor for Ac	35	0.28	38	0.07	57	0.14	58	0.02	
Plant transfer factor for Am	86	0.01	87	0.00	19	-0.37	19	-0.07	
Meat transfer factor for Am	39	0.26	44	0.06	67	-0.09	67	-0.02	
Milk transfer factor for Am	23	0.36	35	0.07	43	-0.21	41	-0.04	
Fish transfer factor for Am	29	-0.31	34	-0.07	78	0.04	78	0.01	
Plant transfer factor for Pb	24	-0.35	22	-0.10	39	0.22	38	0.04	
Meat transfer factor for Pb	54	-0.18	59	-0.03	17	0.38	17	0.07	
Milk transfer factor for Pb	53	-0.19	58	-0.04	89	-0.01	89	0.00	
Fish transfer factor for Pb	56	0.17	67	0.03	61	-0.12	60	-0.02	
Plant transfer factor for Np	8	0.54	7	0.20	12	-0.42	12	-0.08	
Meat transfer factor for Np	27	-0.34	37	-0.07	8	-0.46	8	-0.09	
Milk transfer factor for Np	13	0.48	21	0.11	55	-0.15	55	-0.02	
Fish transfer factor for Np	26	-0.34	25	-0.10	5	0.50	5	0.10	
Plant transfer factor for Pu	47	-0.20	49	-0.05	22	-0.35	22	-0.06	
Meat transfer factor for Pu	84	-0.03	85	0.00	69	-0.09	69	-0.01	
Milk transfer factor for Pu	63	0.14	70	0.02	84	-0.02	84	0.00	
Fish transfer factor for Pu	12	0.49	17	0.12	6	0.48	6	0.09	
Plant transfer factor for Pa	28	-0.31	27	-0.09	34	-0.25	34	-0.04	
Meat transfer factor for Pa	80	0.07	81	0.01	48	-0.19	47	-0.03	
Milk transfer factor for Pa	15	-0.45	31	-0.08	65	-0.10	64	-0.02	
Fish transfer factor for Pa	3	-0.69	9	-0.19	15	-0.40	15	-0.07	
Plant transfer factor for Ra	18	-0.40	39	-0.06	50	0.18	50	0.03	
Meat transfer factor for Ra	17	0.41	23	0.10	81	-0.03	81	0.00	
Milk transfer factor for Ra	88	0.00	88	0.00	49	-0.19	49	-0.03	
Fish transfer factor for Ra	70	-0.10	77	-0.02	71	-0.07	71	-0.01	
Plant transfer factor for Tc	32	0.29	28	0.09	79	0.04	79	0.01	
Meat transfer factor for Tc	7	-0.56	15	-0.12	76	-0.05	76	-0.01	
Milk transfer factor for Tc	19	0.38	40	0.06	75	0.05	75	0.01	
Fish transfer factor for Tc	68	0.12	64	0.03	56	0.14	56	0.02	
Plant transfer factor for Th	67	-0.13	66	-0.03	11	-0.43	11	-0.08	
Meat transfer factor for Th	50	-0.19	54	-0.04	58	0.14	57	0.02	
Milk transfer factor for Th	43	0.22	47	0.05	14	0.41	13	0.08	
Fish transfer factor for Th	59	0.17	62	0.03	4	0.55	4	0.11	
Plant transfer factor for U	1	0.97	1	0.73	2	0.97	2	0.64	
Meat transfer factor for U	79	0.07	82	0.01	13	0.42	14	0.08	
Milk transfer factor for U	71	0.10	80	0.01	3	0.72	3	0.17	
Fish transfer factor for U	30	-0.30	33	-0.08	86	-0.01	86	0.00	
Well pumping rate	60	-0.15	63	-0.03	16	0.39	16	0.07	
Mass loading for inhalation	36	-0.27	52	-0.04	32	0.25	32	0.04	
Indoor dust filtration factor	61	-0.15	68	-0.03	60	0.12	61	0.02	
Depth of soil mixing layer	51	-0.19	61	-0.03	87	0.01	87	0.00	
Depth of roots	2	0.89	2	0.45	1	0.97	1	0.65	
Wet weight crop yield of fruit, grain and non-leafy vegetables	89	0.00	89	0.00	7	0.47	7	0.09	
Weathering removal constant of all vegetation	9	0.53	13	0.13	44	0.20	43	0.04	
Wet foliar interception fraction of leafy vegetables	45	0.20	55	0.04	74	-0.06	74	-0.01	

R-SQUARE 0.99 0.99 0.97 0.97

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

Coefficients for peak U-238 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Ac-227 in Contaminated Zone	11	0.41	23	0.16	26	-0.27	24	-0.06	
Kd of Ac-227 in Unsaturated Zone 1	35	0.19	39	0.10	24	0.27	26	0.06	
Kd of Ac-227 in Saturated Zone	82	0.02	83	0.01	31	0.24	30	0.05	
Kd of Am-241 in Contaminated Zone	6	0.46	13	0.26	80	-0.03	80	-0.01	
Kd of Am-241 in Unsaturated Zone 1	20	-0.31	2	*****	12	-0.38	12	-0.09	
Kd of Am-241 in Saturated Zone	15	0.34	27	0.14	82	-0.02	82	-0.01	
Kd of Np-237 in Contaminated Zone	44	0.16	58	0.06	64	0.11	64	0.02	
Kd of Np-237 in Unsaturated Zone 1	80	0.04	78	0.02	36	-0.23	36	-0.05	
Kd of Np-237 in Saturated Zone	89	0.00	88	0.00	16	-0.33	14	-0.07	
Kd of Pa-231 in Contaminated Zone	49	-0.15	56	-0.06	73	-0.07	73	-0.01	
Kd of Pa-231 in Unsaturated Zone 1	52	-0.14	37	-0.11	19	0.30	19	0.07	
Kd of Pa-231 in Saturated Zone	13	0.39	7	0.29	34	0.23	34	0.05	
Kd of Pb-210 in Contaminated Zone	72	0.07	75	0.03	65	0.11	66	0.02	
Kd of Pb-210 in Unsaturated Zone 1	66	0.08	49	0.08	17	0.32	17	0.07	
Kd of Pb-210 in Saturated Zone	68	-0.08	67	-0.04	55	0.14	56	0.03	
Kd of Pu-239 in Contaminated Zone	45	-0.16	41	-0.10	41	0.20	41	0.04	
Kd of Pu-239 in Unsaturated Zone 1	25	0.27	36	0.12	87	0.00	87	0.00	
Kd of Pu-239 in Saturated Zone	47	0.15	48	0.08	61	0.12	61	0.02	
Kd of Ra-226 in Contaminated Zone	77	0.04	80	0.02	30	0.25	32	0.05	
Kd of Ra-226 in Unsaturated Zone 1	37	-0.19	40	-0.10	27	-0.26	27	-0.06	
Kd of Ra-226 in Saturated Zone	48	0.15	43	0.09	20	0.30	21	0.06	
Kd of Ra-228 in Contaminated Zone	53	0.13	53	0.07	21	0.30	20	0.07	
Kd of Ra-228 in Unsaturated Zone 1	39	-0.17	24	-0.15	50	-0.17	50	-0.04	
Kd of Ra-228 in Saturated Zone	27	-0.24	34	-0.12	5	-0.43	5	-0.10	
Kd of Tc-99 in Saturated Zone	42	-0.16	54	-0.07	46	-0.19	46	-0.04	
Kd of Th-228 in Contaminated Zone	69	0.07	73	0.03	42	0.20	42	0.04	
Kd of Th-228 in Unsaturated Zone 1	9	-0.43	4	-0.47	67	-0.11	67	-0.02	
Kd of Th-228 in Saturated Zone	40	-0.17	45	-0.08	45	-0.19	44	-0.04	
Kd of Th-229 in Contaminated Zone	23	0.28	30	0.13	40	-0.21	40	-0.04	
Kd of Th-229 in Unsaturated Zone 1	43	0.16	51	0.07	84	0.02	84	0.00	
Kd of Th-229 in Saturated Zone	79	-0.04	77	-0.02	59	-0.13	58	-0.03	
Kd of Th-230 in Contaminated Zone	31	0.23	31	0.12	37	0.23	37	0.05	
Kd of Th-230 in Unsaturated Zone 1	57	0.13	65	0.05	51	0.16	51	0.03	
Kd of Th-230 in Saturated Zone	21	0.28	8	0.28	25	0.27	28	0.06	
Kd of Th-232 in Contaminated Zone	85	-0.01	84	-0.01	47	-0.19	47	-0.04	
Kd of Th-232 in Unsaturated Zone 1	19	0.32	1	11.02	69	0.08	69	0.02	
Kd of Th-232 in Saturated Zone	34	-0.21	47	-0.08	78	-0.04	78	-0.01	
Kd of U-233 in Saturated Zone	10	0.42	16	0.24	8	0.43	8	0.10	
Kd of U-234 in Saturated Zone	74	-0.06	70	-0.04	75	0.06	75	0.01	
Kd of U-235 in Saturated Zone	38	0.17	22	0.16	18	0.31	18	0.07	
Kd of U-238 in Saturated Zone	46	-0.16	25	-0.15	7	-0.43	6	-0.10	
Plant transfer factor for Ac	30	-0.24	20	-0.19	74	-0.06	74	-0.01	
Meat transfer factor for Ac	33	-0.21	35	-0.12	22	-0.30	22	-0.06	
Milk transfer factor for Ac	60	0.11	66	0.05	81	0.03	81	0.01	
Fish transfer factor for Ac	18	-0.34	10	-0.27	77	-0.05	77	-0.01	
Plant transfer factor for Am	70	-0.07	74	-0.03	76	-0.05	76	-0.01	
Meat transfer factor for Am	65	0.09	59	0.06	86	0.00	86	0.00	
Milk transfer factor for Am	76	0.05	71	0.03	3	-0.50	3	-0.12	
Fish transfer factor for Am	22	0.28	26	0.15	58	0.13	59	0.03	
Plant transfer factor for Pb	87	0.00	87	0.00	48	0.18	49	0.04	
Meat transfer factor for Pb	86	0.01	85	0.01	49	-0.18	48	-0.04	
Milk transfer factor for Pb	58	-0.12	55	-0.06	39	0.21	39	0.05	
Fish transfer factor for Pb	84	-0.01	86	-0.01	10	0.39	11	0.09	
Plant transfer factor for Np	7	-0.45	17	-0.23	43	0.20	43	0.04	
Meat transfer factor for Np	55	0.13	62	0.06	13	0.38	13	0.08	
Milk transfer factor for Np	73	0.07	64	0.05	35	0.23	35	0.05	
Fish transfer factor for Np	83	0.02	82	0.02	54	0.14	54	0.03	
Plant transfer factor for Pu	71	-0.07	72	-0.03	9	-0.41	9	-0.09	
Meat transfer factor for Pu	4	-0.53	12	-0.26	29	-0.25	29	-0.05	
Milk transfer factor for Pu	12	0.39	18	0.21	71	0.07	71	0.01	
Fish transfer factor for Pu	88	0.00	89	0.00	60	-0.12	60	-0.03	
Plant transfer factor for Pa	56	-0.13	61	-0.06	66	-0.11	65	-0.02	
Meat transfer factor for Pa	64	0.10	50	0.08	57	0.13	57	0.03	
Milk transfer factor for Pa	16	0.34	11	0.26	63	-0.11	63	-0.02	
Fish transfer factor for Pa	8	-0.43	19	-0.21	62	-0.12	62	-0.02	
Plant transfer factor for Ra	67	-0.08	63	-0.06	14	0.33	16	0.07	
Meat transfer factor for Ra	32	-0.21	32	-0.12	85	0.01	85	0.00	
Milk transfer factor for Ra	54	-0.13	57	-0.06	11	-0.39	10	-0.09	
Fish transfer factor for Ra	14	0.34	33	0.12	83	-0.02	83	0.00	
Plant transfer factor for Tc	78	0.04	79	0.02	28	-0.26	25	-0.06	
Meat transfer factor for Tc	51	-0.15	44	-0.09	32	-0.24	31	-0.05	
Milk transfer factor for Tc	41	-0.17	46	-0.08	38	-0.22	38	-0.05	
Fish transfer factor for Tc	17	0.34	15	0.24	52	0.15	52	0.03	
Plant transfer factor for Th	24	0.27	29	0.14	33	0.24	33	0.05	
Meat transfer factor for Th	29	-0.24	14	-0.24	44	-0.19	45	-0.04	
Milk transfer factor for Th	81	0.04	81	0.02	68	0.10	68	0.02	
Fish transfer factor for Th	62	0.11	68	0.04	88	0.00	88	0.00	
Plant transfer factor for U	1	0.81	3	0.66	2	0.95	2	0.60	
Meat transfer factor for U	63	-0.10	60	-0.06	53	-0.14	53	-0.03	
Milk transfer factor for U	28	-0.24	28	-0.14	56	0.14	55	0.03	
Fish transfer factor for U	75	-0.05	76	-0.03	72	-0.07	72	-0.01	
Well pumping rate	3	0.57	6	0.30	15	0.33	15	0.07	
Mass loading for inhalation	50	-0.15	42	-0.09	79	-0.04	79	-0.01	
Indoor dust filtration factor	59	-0.12	52	-0.07	4	0.49	4	0.12	
Depth of soil mixing layer	5	0.47	9	0.28	6	0.43	7	0.10	
Depth of roots	2	0.70	5	0.47	1	0.95	1	0.65	
Wet weight crop yield of fruit, grain and non-leafy vegetables	36	0.19	38	0.10	89	0.00	89	0.00	
Weathering removal constant of all vegetation	26	-0.25	21	-0.17	23	0.29	23	0.06	
Wet foliar interception fraction of leafy vegetables	61	0.11	69	0.04	70	0.08	70	0.02	

R-SQUARE 0.95 0.95 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.