

**DECOMMISSIONING PLAN
TOBICO MARCH SGA
KAWKAWLIN, MICHIGAN**

APPENDIX H

**RESRAD Computer Dose Modeling Output Files/Reports –
Composite Recreational User Scenario, Surface Soil Source
Term**

JANUARY 2004



Appendix H - Composite Scenario

Surface Soil Source Term

RESRAD 6.21 Output File Reports

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Time= 1.000E+00	3
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Time= 1.000E+02	7
Time= 3.000E+02	8
Time= 1.000E+03	9

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Time = 0.000E+00 years	2
Time = 1.000E+00 years	3
Time = 3.000E+00 years	4
Time = 1.000E+01 years	5
Time = 3.000E+01 years	6
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Dose Conversion Factor (and Related) Parameter Summary
 File: FGR 13 Morbidity

0 Menu	Parameter	Current Value	Default	Parameter Name
B-1	Dose conversion factors for inhalation, mrem/pCi:			
B-1	Pb-210+D	2.320E-02	2.320E-02	DCF2 (1)
B-1	Ra-226+D	8.600E-03	8.600E-03	DCF2 (2)
B-1	Ra-228+D	5.080E-03	5.080E-03	DCF2 (3)
B-1	Th-228+D	3.450E-01	3.450E-01	DCF2 (4)
B-1	Th-230	3.260E-01	3.260E-01	DCF2 (5)
B-1	Th-232	1.640E+00	1.640E+00	DCF2 (6)
D-1	Dose conversion factors for ingestion, mrem/pCi:			
D-1	Pb-210+D	7.270E-03	7.270E-03	DCF3 (1)
D-1	Ra-226+D	1.330E-03	1.330E-03	DCF3 (2)
D-1	Ra-228+D	1.440E-03	1.440E-03	DCF3 (3)
D-1	Th-228+D	8.080E-04	8.080E-04	DCF3 (4)
D-1	Th-230	5.480E-04	5.480E-04	DCF3 (5)
D-1	Th-232	2.730E-03	2.730E-03	DCF3 (6)
D-34	Food transfer factors:			
D-34	Pb-210+D , plant/soil concentration ratio, dimensionless	1.000E-02	1.000E-02	RTF (1,1)
D-34	Pb-210+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	8.000E-04	8.000E-04	RTF (1,2)
D-34	Pb-210+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	3.000E-04	3.000E-04	RTF (1,3)
D-34	Ra-226+D , plant/soil concentration ratio, dimensionless	4.000E-02	4.000E-02	RTF (2,1)
D-34	Ra-226+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-03	1.000E-03	RTF (2,2)
D-34	Ra-226+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	1.000E-03	1.000E-03	RTF (2,3)
D-34	Ra-228+D , plant/soil concentration ratio, dimensionless	4.000E-02	4.000E-02	RTF (3,1)
D-34	Ra-228+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-03	1.000E-03	RTF (3,2)
D-34	Ra-228+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	1.000E-03	1.000E-03	RTF (3,3)
D-34	Th-228+D , plant/soil concentration ratio, dimensionless	1.000E-03	1.000E-03	RTF (4,1)
D-34	Th-228+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-04	1.000E-04	RTF (4,2)
D-34	Th-228+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF (4,3)
D-34	Th-230 , plant/soil concentration ratio, dimensionless	1.000E-03	1.000E-03	RTF (5,1)
D-34	Th-230 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-04	1.000E-04	RTF (5,2)
D-34	Th-230 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF (5,3)
D-34	Th-232 , plant/soil concentration ratio, dimensionless	1.000E-03	1.000E-03	RTF (6,1)
D-34	Th-232 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-04	1.000E-04	RTF (6,2)
D-34	Th-232 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF (6,3)
D-5	Bioaccumulation factors, fresh water, L/kg:			
D-5	Pb-210+D , fish	3.000E+02	3.000E+02	BIOFAC (1,1)
D-5	Pb-210+D , crustacea and mollusks	1.000E+02	1.000E+02	BIOFAC (1,2)
D-5	Ra-226+D , fish	5.000E+01	5.000E+01	BIOFAC (2,1)
D-5	Ra-226+D , crustacea and mollusks	2.500E+02	2.500E+02	BIOFAC (2,2)
D-5	Ra-228+D , fish	5.000E+01	5.000E+01	BIOFAC (3,1)
D-5	Ra-228+D , crustacea and mollusks	2.500E+02	2.500E+02	BIOFAC (3,2)

Dose Conversion Factor (and Related) Parameter Summary (continued)

File: FGR 13 Morbidity

0 Menu	Parameter	Current Value	Default	Parameter Name
D-5	Th-228+D , fish	1.000E+02	1.000E+02	BIOFAC (4,1)
D-5	Th-228+D , crustacea and mollusks	5.000E+02	5.000E+02	BIOFAC (4,2)
D-5	Th-230 , fish	1.000E+02	1.000E+02	BIOFAC (5,1)
D-5	Th-230 , crustacea and mollusks	5.000E+02	5.000E+02	BIOFAC (5,2)
D-5	Th-232 , fish	1.000E+02	1.000E+02	BIOFAC (6,1)
D-5	Th-232 , crustacea and mollusks	5.000E+02	5.000E+02	BIOFAC (6,2)

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Site-Specific Parameter Summary						
0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name	
R011	Area of contaminated zone (m**2)	5.730E+03	1.000E+04	---	AREA	
R011	Thickness of contaminated zone (m)	7.000E-03	2.000E+00	---	THICK0	
R011	Length parallel to aquifer flow (m)	1.000E+02	1.000E+02	---	LCZPAQ	
R011	Basic radiation dose limit (mrem/yr)	2.500E+01	2.500E+01	---	BRDL	
R011	Time since placement of material (yr)	0.000E+00	0.000E+00	---	TI	
R011	Times for calculations (yr)	1.000E+00	1.000E+00	---	T (2)	
R011	Times for calculations (yr)	3.000E+00	3.000E+00	---	T (3)	
R011	Times for calculations (yr)	1.000E+01	1.000E+01	---	T (4)	
R011	Times for calculations (yr)	3.000E+01	3.000E+01	---	T (5)	
R011	Times for calculations (yr)	1.000E+02	1.000E+02	---	T (6)	
R011	Times for calculations (yr)	3.000E+02	3.000E+02	---	T (7)	
R011	Times for calculations (yr)	1.000E+03	1.000E+03	---	T (8)	
R011	Times for calculations (yr)	not used	0.000E+00	---	T (9)	
R011	Times for calculations (yr)	not used	0.000E+00	---	T(10)	
R012	Initial principal radionuclide (pCi/g): Pb-210	1.110E+01	0.000E+00	---	S1 (1)	
R012	Initial principal radionuclide (pCi/g): Ra-226	2.440E+01	0.000E+00	---	S1 (2)	
R012	Initial principal radionuclide (pCi/g): Ra-228	3.569E+02	0.000E+00	---	S1 (3)	
R012	Initial principal radionuclide (pCi/g): Th-228	3.569E+02	0.000E+00	---	S1 (4)	
R012	Initial principal radionuclide (pCi/g): Th-230	1.108E+03	0.000E+00	---	S1 (5)	
R012	Initial principal radionuclide (pCi/g): Th-232	3.569E+02	0.000E+00	---	S1 (6)	
R012	Concentration in groundwater (pCi/L): Pb-210	not used	0.000E+00	---	W1 (1)	
R012	Concentration in groundwater (pCi/L): Ra-226	not used	0.000E+00	---	W1 (2)	
R012	Concentration in groundwater (pCi/L): Ra-228	not used	0.000E+00	---	W1 (3)	
R012	Concentration in groundwater (pCi/L): Th-228	not used	0.000E+00	---	W1 (4)	
R012	Concentration in groundwater (pCi/L): Th-230	not used	0.000E+00	---	W1 (5)	
R012	Concentration in groundwater (pCi/L): Th-232	not used	0.000E+00	---	W1 (6)	
R013	Cover depth (m)	0.000E+00	0.000E+00	---	COVER0	
R013	Density of cover material (g/cm**3)	not used	1.500E+00	---	DENSCV	
R013	Cover depth erosion rate (m/yr)	not used	1.000E-03	---	VCV	
R013	Density of contaminated zone (g/cm**3)	1.970E+00	1.500E+00	---	DENSCZ	
R013	Contaminated zone erosion rate (m/yr)	3.000E-06	1.000E-03	---	VCZ	
R013	Contaminated zone total porosity	4.000E-01	4.000E-01	---	TPCZ	
R013	Contaminated zone field capacity	2.000E-01	2.000E-01	---	FCCZ	
R013	Contaminated zone hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCCZ	
R013	Contaminated zone b parameter	5.300E+00	5.300E+00	---	BCZ	
R013	Average annual wind speed (m/sec)	1.920E+00	2.000E+00	---	WIND	
R013	Humidity in air (g/m**3)	not used	8.000E+00	---	HUMID	
R013	Evapotranspiration coefficient	6.000E-01	5.000E-01	---	EVAPTR	
R013	Precipitation (m/yr)	7.100E-01	1.000E+00	---	PRECIP	
R013	Irrigation (m/yr)	0.000E+00	2.000E-01	---	RI	
R013	Irrigation mode	overhead	overhead	---	IDITCH	
R013	Runoff coefficient	3.200E-01	2.000E-01	---	RUNOFF	
R013	Watershed area for nearby stream or pond (m**2)	1.000E+06	1.000E+06	---	WAREA	
R013	Accuracy for water/soil computations	1.000E-03	1.000E-03	---	EPS	
R014	Density of saturated zone (g/cm**3)	1.650E+00	1.500E+00	---	DENSAQ	
R014	Saturated zone total porosity	4.000E-01	4.000E-01	---	TPSZ	
R014	Saturated zone effective porosity	3.500E-01	2.000E-01	---	EPSZ	

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R014	Saturated zone field capacity	2.000E-01	2.000E-01	---	FCSZ
R014	Saturated zone hydraulic conductivity (m/yr)	3.000E+02	1.000E+02	---	HCSZ
R014	Saturated zone hydraulic gradient	2.000E-02	2.000E-02	---	HGWT
R014	Saturated zone b parameter	5.300E+00	5.300E+00	---	BSZ
R014	Water table drop rate (m/yr)	1.000E-03	1.000E-03	---	VWT
R014	Well pump intake depth (m below water table)	1.000E+01	1.000E+01	---	DWIBWT
R014	Model: Nondispersion (ND) or Mass-Balance (MB)	ND	ND	---	MODEL
R014	Well pumping rate (m**3/yr)	0.000E+00	2.500E+02	---	UW
R015	Number of unsaturated zone strata	3	1	---	NS
R015	Unsat. zone 1, thickness (m)	1.520E+00	4.000E+00	---	H (1)
R015	Unsat. zone 1, soil density (g/cm**3)	1.970E+00	1.500E+00	---	DENSUZ (1)
R015	Unsat. zone 1, total porosity	4.000E-01	4.000E-01	---	TPUZ (1)
R015	Unsat. zone 1, effective porosity	2.000E-01	2.000E-01	---	EPUZ (1)
R015	Unsat. zone 1, field capacity	2.000E-01	2.000E-01	---	FCUZ (1)
R015	Unsat. zone 1, soil-specific b parameter	5.300E+00	5.300E+00	---	BUZ (1)
R015	Unsat. zone 1, hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCUZ (1)
R015	Unsat. zone 2, thickness (m)	4.000E+00	0.000E+00	---	H (2)
R015	Unsat. zone 2, soil density (g/cm**3)	1.650E+00	1.500E+00	---	DENSUZ (2)
R015	Unsat. zone 2, total porosity	4.000E-01	4.000E-01	---	TPUZ (2)
R015	Unsat. zone 2, effective porosity	2.000E-01	2.000E-01	---	EPUZ (2)
R015	Unsat. zone 2, field capacity	2.000E-01	2.000E-01	---	FCUZ (2)
R015	Unsat. zone 2, soil-specific b parameter	5.300E+00	5.300E+00	---	BUZ (2)
R015	Unsat. zone 2, hydraulic conductivity (m/yr)	2.018E+03	1.000E+01	---	HCUZ (2)
R015	Unsat. zone 3, thickness (m)	1.830E+01	0.000E+00	---	H (3)
R015	Unsat. zone 3, soil density (g/cm**3)	1.970E+00	1.500E+00	---	DENSUZ (3)
R015	Unsat. zone 3, total porosity	4.000E-01	4.000E-01	---	TPUZ (3)
R015	Unsat. zone 3, effective porosity	2.000E-01	2.000E-01	---	EPUZ (3)
R015	Unsat. zone 3, field capacity	2.000E-01	2.000E-01	---	FCUZ (3)
R015	Unsat. zone 3, soil-specific b parameter	5.300E+00	5.300E+00	---	BUZ (3)
R015	Unsat. zone 3, hydraulic conductivity (m/yr)	1.700E-02	1.000E+01	---	HCUZ (3)
R016	Distribution coefficients for Pb-210				
R016	Contaminated zone (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCC (1)
R016	Unsaturated zone 1 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU (1,1)
R016	Unsaturated zone 2 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU (1,2)
R016	Unsaturated zone 3 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU (1,3)
R016	Saturated zone (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCS (1)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.398E-01	ALEACH (1)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK (1)
R016	Distribution coefficients for Ra-226				
R016	Contaminated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCC (2)
R016	Unsaturated zone 1 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU (2,1)
R016	Unsaturated zone 2 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU (2,2)
R016	Unsaturated zone 3 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU (2,3)
R016	Saturated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCS (2)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.996E-01	ALEACH (2)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK (2)

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R016	Distribution coefficients for Ra-228				
R016	Contaminated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCC (3)
R016	Unsaturated zone 1 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU (3,1)
R016	Unsaturated zone 2 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU (3,2)
R016	Unsaturated zone 3 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU (3,3)
R016	Saturated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCS (3)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.996E-01	ALEACH (3)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK (3)
R016	Distribution coefficients for Th-228				
R016	Contaminated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCC (4)
R016	Unsaturated zone 1 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU (4,1)
R016	Unsaturated zone 2 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU (4,2)
R016	Unsaturated zone 3 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU (4,3)
R016	Saturated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCS (4)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.334E-04	ALEACH (4)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK (4)
R016	Distribution coefficients for Th-230				
R016	Contaminated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCC (5)
R016	Unsaturated zone 1 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU (5,1)
R016	Unsaturated zone 2 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU (5,2)
R016	Unsaturated zone 3 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU (5,3)
R016	Saturated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCS (5)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.334E-04	ALEACH (5)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK (5)
R016	Distribution coefficients for Th-232				
R016	Contaminated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCC (6)
R016	Unsaturated zone 1 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU (6,1)
R016	Unsaturated zone 2 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU (6,2)
R016	Unsaturated zone 3 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU (6,3)
R016	Saturated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCS (6)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.334E-04	ALEACH (6)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK (6)
R017	Inhalation rate (m**3/yr)	8.400E+03	8.400E+03	---	INHALR
R017	Mass loading for inhalation (g/m**3)	1.000E-04	1.000E-04	---	MLINH
R017	Exposure duration	3.000E+01	3.000E+01	---	ED
R017	Shielding factor, inhalation	4.000E-01	4.000E-01	---	SHF3
R017	Shielding factor, external gamma	7.000E-01	7.000E-01	---	SHF1
R017	Fraction of time spent indoors	0.000E+00	5.000E-01	---	FIND
R017	Fraction of time spent outdoors (on site)	2.850E-02	2.500E-01	---	FOTD
R017	Shape factor flag, external gamma	1.000E+00	1.000E+00	>0 shows circular AREA.	FS

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R017	Radii of shape factor array (used if FS = -1):				
R017	Outer annular radius (m), ring 1:	not used	5.000E+01	---	RAD_SHAPE (1)
R017	Outer annular radius (m), ring 2:	not used	7.071E+01	---	RAD_SHAPE (2)
R017	Outer annular radius (m), ring 3:	not used	0.000E+00	---	RAD_SHAPE (3)
R017	Outer annular radius (m), ring 4:	not used	0.000E+00	---	RAD_SHAPE (4)
R017	Outer annular radius (m), ring 5:	not used	0.000E+00	---	RAD_SHAPE (5)
R017	Outer annular radius (m), ring 6:	not used	0.000E+00	---	RAD_SHAPE (6)
R017	Outer annular radius (m), ring 7:	not used	0.000E+00	---	RAD_SHAPE (7)
R017	Outer annular radius (m), ring 8:	not used	0.000E+00	---	RAD_SHAPE (8)
R017	Outer annular radius (m), ring 9:	not used	0.000E+00	---	RAD_SHAPE (9)
R017	Outer annular radius (m), ring 10:	not used	0.000E+00	---	RAD_SHAPE (10)
R017	Outer annular radius (m), ring 11:	not used	0.000E+00	---	RAD_SHAPE (11)
R017	Outer annular radius (m), ring 12:	not used	0.000E+00	---	RAD_SHAPE (12)
R017	Fractions of annular areas within AREA:				
R017	Ring 1	not used	1.000E+00	---	FRACA (1)
R017	Ring 2	not used	2.732E-01	---	FRACA (2)
R017	Ring 3	not used	0.000E+00	---	FRACA (3)
R017	Ring 4	not used	0.000E+00	---	FRACA (4)
R017	Ring 5	not used	0.000E+00	---	FRACA (5)
R017	Ring 6	not used	0.000E+00	---	FRACA (6)
R017	Ring 7	not used	0.000E+00	---	FRACA (7)
R017	Ring 8	not used	0.000E+00	---	FRACA (8)
R017	Ring 9	not used	0.000E+00	---	FRACA (9)
R017	Ring 10	not used	0.000E+00	---	FRACA (10)
R017	Ring 11	not used	0.000E+00	---	FRACA (11)
R017	Ring 12	not used	0.000E+00	---	FRACA (12)
R018	Fruits, vegetables and grain consumption (kg/yr)	1.600E+02	1.600E+02	---	DIET (1)
R018	Leafy vegetable consumption (kg/yr)	1.400E+01	1.400E+01	---	DIET (2)
R018	Milk consumption (L/yr)	not used	9.200E+01	---	DIET (3)
R018	Meat and poultry consumption (kg/yr)	6.300E+01	6.300E+01	---	DIET (4)
R018	Fish consumption (kg/yr)	5.400E+00	5.400E+00	---	DIET (5)
R018	Other seafood consumption (kg/yr)	9.000E-01	9.000E-01	---	DIET (6)
R018	Soil ingestion rate (g/yr)	1.830E+01	3.650E+01	---	SOIL
R018	Drinking water intake (L/yr)	not used	5.100E+02	---	DWI
R018	Contamination fraction of drinking water	not used	1.000E+00	---	FDW
R018	Contamination fraction of household water	not used	1.000E+00	---	FHHW
R018	Contamination fraction of livestock water	0.000E+00	1.000E+00	---	FLW
R018	Contamination fraction of irrigation water	0.000E+00	1.000E+00	---	FIRW
R018	Contamination fraction of aquatic food	5.000E-01	5.000E-01	---	FR9
R018	Contamination fraction of plant food	2.850E-02	-1	---	FPLANT
R018	Contamination fraction of meat	3.000E-01	-1	---	FMEAT
R018	Contamination fraction of milk	not used	-1	---	FMILK
R019	Livestock fodder intake for meat (kg/day)	6.800E+01	6.800E+01	---	LFI5
R019	Livestock fodder intake for milk (kg/day)	not used	5.500E+01	---	LFI6
R019	Livestock water intake for meat (L/day)	5.000E+01	5.000E+01	---	LWI5
R019	Livestock water intake for milk (L/day)	not used	1.600E+02	---	LWI6
R019	Livestock soil intake (kg/day)	5.000E-01	5.000E-01	---	LSI

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R019	Mass loading for foliar deposition (g/m**3)	1.000E-04	1.000E-04	---	MLFD
R019	Depth of soil mixing layer (m)	1.500E-01	1.500E-01	---	DM
R019	Depth of roots (m)	2.500E-01	9.000E-01	---	DROOT
R019	Drinking water fraction from ground water	not used	1.000E+00	---	FGWDW
R019	Household water fraction from ground water	not used	1.000E+00	---	FGWHH
R019	Livestock water fraction from ground water	0.000E+00	1.000E+00	---	FGWLW
R019	Irrigation fraction from ground water	0.000E+00	1.000E+00	---	FGWIR
R19B	Wet weight crop yield for Non-Leafy (kg/m**2)	7.000E-01	7.000E-01	---	YV(1)
R19B	Wet weight crop yield for Leafy (kg/m**2)	1.500E+00	1.500E+00	---	YV(2)
R19B	Wet weight crop yield for Fodder (kg/m**2)	1.100E+00	1.100E+00	---	YV(3)
R19B	Growing Season for Non-Leafy (years)	1.700E-01	1.700E-01	---	TE(1)
R19B	Growing Season for Leafy (years)	2.500E-01	2.500E-01	---	TE(2)
R19B	Growing Season for Fodder (years)	8.000E-02	8.000E-02	---	TE(3)
R19B	Translocation Factor for Non-Leafy	1.000E-01	1.000E-01	---	TIV(1)
R19B	Translocation Factor for Leafy	1.000E+00	1.000E+00	---	TIV(2)
R19B	Translocation Factor for Fodder	1.000E+00	1.000E+00	---	TIV(3)
R19B	Dry Foliar Interception Fraction for Non-Leafy	2.500E-01	2.500E-01	---	RDRY(1)
R19B	Dry Foliar Interception Fraction for Leafy	2.500E-01	2.500E-01	---	RDRY(2)
R19B	Dry Foliar Interception Fraction for Fodder	2.500E-01	2.500E-01	---	RDRY(3)
R19B	Wet Foliar Interception Fraction for Non-Leafy	2.500E-01	2.500E-01	---	RWET(1)
R19B	Wet Foliar Interception Fraction for Leafy	2.500E-01	2.500E-01	---	RWET(2)
R19B	Wet Foliar Interception Fraction for Fodder	2.500E-01	2.500E-01	---	RWET(3)
R19B	Weathering Removal Constant for Vegetation	2.000E+01	2.000E+01	---	WLAM
C14	C-12 concentration in water (g/cm**3)	not used	2.000E-05	---	C12WTR
C14	C-12 concentration in contaminated soil (g/g)	not used	3.000E-02	---	C12CZ
C14	Fraction of vegetation carbon from soil	not used	2.000E-02	---	CSOIL
C14	Fraction of vegetation carbon from air	not used	9.800E-01	---	CAIR
C14	C-14 evasion layer thickness in soil (m)	not used	3.000E-01	---	DMC
C14	C-14 evasion flux rate from soil (1/sec)	not used	7.000E-07	---	EVSNS
C14	C-12 evasion flux rate from soil (1/sec)	not used	1.000E-10	---	REVSNS
C14	Fraction of grain in beef cattle feed	not used	8.000E-01	---	AVFG4
C14	Fraction of grain in milk cow feed	not used	2.000E-01	---	AVFG5
C14	DCF correction factor for gaseous forms of C14	not used	8.894E+01	---	CO2F
STOR	Storage times of contaminated foodstuffs (days):				
STOR	Fruits, non-leafy vegetables, and grain	1.400E+01	1.400E+01	---	STOR_T(1)
STOR	Leafy vegetables	1.000E+00	1.000E+00	---	STOR_T(2)
STOR	Milk	1.000E+00	1.000E+00	---	STOR_T(3)
STOR	Meat and poultry	2.000E+01	2.000E+01	---	STOR_T(4)
STOR	Fish	7.000E+00	7.000E+00	---	STOR_T(5)
STOR	Crustacea and mollusks	7.000E+00	7.000E+00	---	STOR_T(6)
STOR	Well water	1.000E+00	1.000E+00	---	STOR_T(7)
STOR	Surface water	1.000E+00	1.000E+00	---	STOR_T(8)
STOR	Livestock fodder	4.500E+01	4.500E+01	---	STOR_T(9)
R021	Thickness of building foundation (m)	not used	1.500E-01	---	FLOOR1
R021	Bulk density of building foundation (g/cm**3)	not used	2.400E+00	---	DENSFL
R021	Total porosity of the cover material	not used	4.000E-01	---	TPCV

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R021	Total porosity of the building foundation	not used	1.000E-01	---	TPFL
R021	Volumetric water content of the cover material	not used	5.000E-02	---	PH2OCV
R021	Volumetric water content of the foundation	not used	3.000E-02	---	PH2OFL
R021	Diffusion coefficient for radon gas (m/sec):				
R021	in cover material	not used	2.000E-06	---	DIFCV
R021	in foundation material	not used	3.000E-07	---	DIFFL
R021	in contaminated zone soil	not used	2.000E-06	---	DIFCZ
R021	Radon vertical dimension of mixing (m)	not used	2.000E+00	---	HMIX
R021	Average building air exchange rate (1/hr)	not used	5.000E-01	---	REXG
R021	Height of the building (room) (m)	not used	2.500E+00	---	HRM
R021	Building interior area factor	not used	0.000E+00	---	FAI
R021	Building depth below ground surface (m)	not used	-1.000E+00	---	DMFL
R021	Emanating power of Rn-222 gas	not used	2.500E-01	---	EMANA (1)
R021	Emanating power of Rn-220 gas	not used	1.500E-01	---	EMANA (2)
TITL	Number of graphical time points	32	---	---	NPTS
TITL	Maximum number of integration points for dose	17	---	---	LYMAX
TITL	Maximum number of integration points for risk	1	---	---	KYMAX

Summary of Pathway Selections

Pathway	User Selection
1 -- external gamma	active
2 -- inhalation (w/o radon)	active
3 -- plant ingestion	active
4 -- meat ingestion	active
5 -- milk ingestion	suppressed
6 -- aquatic foods	active
7 -- drinking water	suppressed
8 -- soil ingestion	active
9 -- radon	suppressed
Find peak pathway doses	suppressed

Contaminated Zone Dimensions		Initial Soil Concentrations, pCi/g	
Area:	5730.00 square meters	Pb-210	1.110E+01
Thickness:	0.01 meters	Ra-226	2.440E+01
Cover Depth:	0.00 meters	Ra-228	3.569E+02
		Th-228	3.569E+02
		Th-230	1.108E+03
		Th-232	3.569E+02

Total Dose TDOSE(t), mrem/yr
 Basic Radiation Dose Limit = 2.500E+01 mrem/yr
 Total Mixture Sum M(t) = Fraction of Basic Dose Limit Received at Time (t)

t (years):	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
TDOSE(t):	2.695E+01	2.420E+01	1.949E+01	1.206E+01	1.039E+01	9.955E+00	8.791E+00	5.126E+00
M(t):	1.078E+00	9.678E-01	7.794E-01	4.822E-01	4.155E-01	3.982E-01	3.516E-01	2.050E-01

0Maximum TDOSE(t): 2.695E+01 mrem/yr at t = 0.000E+00 years

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	7.018E-04	0.0000	4.275E-05	0.0000	0.000E+00	0.0000	1.034E-01	0.0038	4.816E-02	0.0018	0.000E+00	0.0000	1.805E-03	0.0001
Ra-226	9.939E-01	0.0369	3.575E-05	0.0000	0.000E+00	0.0000	1.683E-01	0.0062	5.906E-02	0.0022	0.000E+00	0.0000	7.750E-04	0.0000
Ra-228	9.578E+00	0.3554	3.499E-03	0.0001	0.000E+00	0.0000	2.477E+00	0.0919	8.588E-01	0.0319	0.000E+00	0.0000	1.172E-02	0.0004
Th-228	1.129E+01	0.4189	1.865E-02	0.0007	0.000E+00	0.0000	3.364E-02	0.0012	1.154E-02	0.0004	0.000E+00	0.0000	5.886E-03	0.0002
Th-230	2.202E-02	0.0008	6.526E-02	0.0024	0.000E+00	0.0000	8.608E-02	0.0032	2.943E-02	0.0011	0.000E+00	0.0000	1.479E-02	0.0005
Th-232	5.691E-01	0.0211	1.059E-01	0.0039	0.000E+00	0.0000	2.827E-01	0.0105	8.653E-02	0.0032	0.000E+00	0.0000	2.443E-02	0.0009
===== Total	2.246E+01	0.8331	1.933E-01	0.0072	0.000E+00	0.0000	3.151E+00	0.1169	1.093E+00	0.0406	0.000E+00	0.0000	5.940E-02	0.0022

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years
 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.541E-01	0.0057
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.222E+00	0.0453
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.293E+01	0.4797
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.136E+01	0.4215
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.176E-01	0.0081
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.069E+00	0.0396
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.695E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	5.914E-04	0.0000	3.602E-05	0.0000	0.000E+00	0.0000	8.721E-02	0.0036	4.067E-02	0.0017	0.000E+00	0.0000	1.521E-03	0.0001
Ra-226	8.134E-01	0.0336	3.168E-05	0.0000	0.000E+00	0.0000	1.439E-01	0.0059	5.140E-02	0.0021	0.000E+00	0.0000	7.367E-04	0.0000
Ra-228	9.859E+00	0.4075	7.342E-03	0.0003	0.000E+00	0.0000	1.810E+00	0.0748	6.305E-01	0.0261	0.000E+00	0.0000	1.002E-02	0.0004
Th-228	7.855E+00	0.3247	1.298E-02	0.0005	0.000E+00	0.0000	2.340E-02	0.0010	8.029E-03	0.0003	0.000E+00	0.0000	4.094E-03	0.0002
Th-230	3.973E-02	0.0016	6.522E-02	0.0027	0.000E+00	0.0000	8.907E-02	0.0037	3.047E-02	0.0013	0.000E+00	0.0000	1.479E-02	0.0006
Th-232	1.753E+00	0.0725	1.065E-01	0.0044	0.000E+00	0.0000	5.373E-01	0.0222	1.734E-01	0.0072	0.000E+00	0.0000	2.572E-02	0.0011
===== Total	2.032E+01	0.8399	1.921E-01	0.0079	0.000E+00	0.0000	2.691E+00	0.1112	9.345E-01	0.0386	0.000E+00	0.0000	5.689E-02	0.0024

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years
 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.300E-01	0.0054
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.009E+00	0.0417
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.232E+01	0.5091
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.904E+00	0.3267
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.393E-01	0.0099
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.596E+00	0.1073
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.420E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	4.200E-04	0.0000	2.557E-05	0.0000	0.000E+00	0.0000	6.191E-02	0.0032	2.887E-02	0.0015	0.000E+00	0.0000	1.080E-03	0.0001
Ra-226	5.449E-01	0.0280	2.461E-05	0.0000	0.000E+00	0.0000	1.046E-01	0.0054	3.826E-02	0.0020	0.000E+00	0.0000	6.366E-04	0.0000
Ra-228	8.068E+00	0.4141	8.614E-03	0.0004	0.000E+00	0.0000	9.620E-01	0.0494	3.350E-01	0.0172	0.000E+00	0.0000	6.775E-03	0.0003
Th-228	3.801E+00	0.1951	6.278E-03	0.0003	0.000E+00	0.0000	1.132E-02	0.0006	3.885E-03	0.0002	0.000E+00	0.0000	1.981E-03	0.0001
Th-230	6.605E-02	0.0034	6.513E-02	0.0033	0.000E+00	0.0000	9.380E-02	0.0048	3.218E-02	0.0017	0.000E+00	0.0000	1.480E-02	0.0008
Th-232	3.946E+00	0.2025	1.084E-01	0.0056	0.000E+00	0.0000	8.599E-01	0.0441	2.857E-01	0.0147	0.000E+00	0.0000	2.770E-02	0.0014
===== Total	1.643E+01	0.8430	1.884E-01	0.0097	0.000E+00	0.0000	2.093E+00	0.1074	7.239E-01	0.0372	0.000E+00	0.0000	5.297E-02	0.0027

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years
 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.230E-02	0.0047
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.884E-01	0.0353
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.380E+00	0.4814
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.825E+00	0.1963
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.720E-01	0.0140
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.227E+00	0.2683
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.949E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	1.268E-04	0.0000	7.706E-06	0.0000	0.000E+00	0.0000	1.866E-02	0.0015	8.701E-03	0.0007	0.000E+00	0.0000	3.253E-04	0.0000
Ra-226	1.340E-01	0.0111	9.382E-06	0.0000	0.000E+00	0.0000	3.377E-02	0.0028	1.317E-02	0.0011	0.000E+00	0.0000	2.972E-04	0.0000
Ra-228	1.741E+00	0.1444	2.374E-03	0.0002	0.000E+00	0.0000	1.046E-01	0.0087	3.642E-02	0.0030	0.000E+00	0.0000	1.179E-03	0.0001
Th-228	2.997E-01	0.0249	4.947E-04	0.0000	0.000E+00	0.0000	8.923E-04	0.0001	3.061E-04	0.0000	0.000E+00	0.0000	1.561E-04	0.0000
Th-230	1.061E-01	0.0088	6.483E-02	0.0054	0.000E+00	0.0000	1.020E-01	0.0085	3.527E-02	0.0029	0.000E+00	0.0000	1.479E-02	0.0012
Th-232	7.616E+00	0.6317	1.124E-01	0.0093	0.000E+00	0.0000	1.181E+00	0.0980	3.977E-01	0.0330	0.000E+00	0.0000	3.035E-02	0.0025
===== Total	9.896E+00	0.8209	1.801E-01	0.0149	0.000E+00	0.0000	1.441E+00	0.1195	4.915E-01	0.0408	0.000E+00	0.0000	4.710E-02	0.0039

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years
 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.782E-02	0.0023
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.813E-01	0.0150
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.885E+00	0.1564
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.016E-01	0.0250
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.229E-01	0.0268
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.337E+00	0.7745
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.206E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	4.139E-06	0.0000	2.503E-07	0.0000	0.000E+00	0.0000	6.061E-04	0.0001	2.827E-04	0.0000	0.000E+00	0.0000	1.057E-05	0.0000
Ra-226	2.440E-03	0.0002	4.294E-07	0.0000	0.000E+00	0.0000	1.240E-03	0.0001	5.315E-04	0.0001	0.000E+00	0.0000	1.633E-05	0.0000
Ra-228	5.272E-03	0.0005	7.865E-06	0.0000	0.000E+00	0.0000	1.789E-04	0.0000	6.223E-05	0.0000	0.000E+00	0.0000	3.188E-06	0.0000
Th-228	2.112E-04	0.0000	3.480E-07	0.0000	0.000E+00	0.0000	6.276E-07	0.0000	2.153E-07	0.0000	0.000E+00	0.0000	1.098E-07	0.0000
Th-230	1.177E-01	0.0113	6.396E-02	0.0062	0.000E+00	0.0000	1.045E-01	0.0101	3.635E-02	0.0035	0.000E+00	0.0000	1.463E-02	0.0014
Th-232	8.287E+00	0.7977	1.119E-01	0.0108	0.000E+00	0.0000	1.205E+00	0.1160	4.060E-01	0.0391	0.000E+00	0.0000	3.045E-02	0.0029
===== Total	8.413E+00	0.8098	1.759E-01	0.0169	0.000E+00	0.0000	1.311E+00	0.1262	4.433E-01	0.0427	0.000E+00	0.0000	4.511E-02	0.0043

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years
 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.037E-04	0.0001
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.228E-03	0.0004
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.524E-03	0.0005
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.125E-04	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.371E-01	0.0324
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.004E+01	0.9665
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.039E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	2.600E-11	0.0000	1.546E-12	0.0000	0.000E+00	0.0000	3.743E-09	0.0000	1.746E-09	0.0000	0.000E+00	0.0000	6.528E-11	0.0000
Ra-226	2.025E-09	0.0000	3.498E-12	0.0000	0.000E+00	0.0000	8.630E-09	0.0000	3.987E-09	0.0000	0.000E+00	0.0000	1.462E-10	0.0000
Ra-228	1.259E-12	0.0000	1.914E-15	0.0000	0.000E+00	0.0000	3.294E-14	0.0000	1.146E-14	0.0000	0.000E+00	0.0000	7.303E-16	0.0000
Th-228	1.961E-15	0.0000	3.209E-18	0.0000	0.000E+00	0.0000	5.788E-18	0.0000	1.986E-18	0.0000	0.000E+00	0.0000	1.013E-18	0.0000
Th-230	1.132E-01	0.0114	6.097E-02	0.0061	0.000E+00	0.0000	9.973E-02	0.0100	3.472E-02	0.0035	0.000E+00	0.0000	1.395E-02	0.0014
Th-232	7.960E+00	0.7996	1.068E-01	0.0107	0.000E+00	0.0000	1.149E+00	0.1154	3.873E-01	0.0389	0.000E+00	0.0000	2.904E-02	0.0029
===== Total	8.073E+00	0.8110	1.678E-01	0.0169	0.000E+00	0.0000	1.249E+00	0.1255	4.220E-01	0.0424	0.000E+00	0.0000	4.300E-02	0.0043

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years
 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.582E-09	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.479E-08	0.0000
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.306E-12	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.973E-15	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.226E-01	0.0324
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.632E+00	0.9676
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.955E+00	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	3.554E-26	0.0000	2.010E-27	0.0000	0.000E+00	0.0000	4.865E-24	0.0000	2.269E-24	0.0000	0.000E+00	0.0000	8.484E-26	0.0000
Ra-226	9.096E-26	0.0000	4.710E-27	0.0000	0.000E+00	0.0000	1.140E-23	0.0000	5.318E-24	0.0000	0.000E+00	0.0000	1.988E-25	0.0000
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	1.004E-01	0.0114	5.288E-02	0.0060	0.000E+00	0.0000	8.650E-02	0.0098	3.011E-02	0.0034	0.000E+00	0.0000	1.210E-02	0.0014
Th-232	7.056E+00	0.8026	9.279E-02	0.0106	0.000E+00	0.0000	9.986E-01	0.1136	3.366E-01	0.0383	0.000E+00	0.0000	2.524E-02	0.0029
===== Total	7.156E+00	0.8140	1.457E-01	0.0166	0.000E+00	0.0000	1.085E+00	0.1234	3.667E-01	0.0417	0.000E+00	0.0000	3.734E-02	0.0042

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years
 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.257E-24	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.702E-23	0.0000
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.820E-01	0.0321
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.509E+00	0.9679
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.791E+00	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	5.951E-02	0.0116	2.926E-02	0.0057	0.000E+00	0.0000	4.786E-02	0.0093	1.666E-02	0.0033	0.000E+00	0.0000	6.696E-03	0.0013
Th-232	4.157E+00	0.8109	5.167E-02	0.0101	0.000E+00	0.0000	5.560E-01	0.1085	1.874E-01	0.0366	0.000E+00	0.0000	1.405E-02	0.0027
===== Total	4.216E+00	0.8225	8.093E-02	0.0158	0.000E+00	0.0000	6.039E-01	0.1178	2.041E-01	0.0398	0.000E+00	0.0000	2.075E-02	0.0040

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years
 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.600E-01	0.0312
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.966E+00	0.9688
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.126E+00	1.0000

0*Sum of all water independent and dependent pathways.

Dose/Source Ratios Summed Over All Pathways
 Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	DSR(j,t) (mrem/yr)/(pCi/g)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	1.389E-02	1.171E-02	8.316E-03	2.506E-03	8.142E-05	5.029E-10	6.537E-25	0.000E+00
0Ra-226	Ra-226	1.000E+00	4.982E-02	4.079E-02	2.732E-02	6.717E-03	1.220E-04	9.848E-11	3.825E-28	0.000E+00
Ra-226	Pb-210	1.000E+00	2.646E-04	5.842E-04	8.934E-04	7.128E-04	5.128E-05	5.077E-10	6.970E-25	0.000E+00
Ra-226	\$DSR(j)		5.008E-02	4.137E-02	2.821E-02	7.430E-03	1.733E-04	6.062E-10	6.974E-25	0.000E+00
0Ra-228	Ra-228	1.000E+00	3.067E-02	2.227E-02	1.173E-02	1.244E-03	2.045E-06	3.679E-16	4.624E-44	0.000E+00
Ra-228	Th-228	1.000E+00	5.559E-03	1.224E-02	1.455E-02	4.039E-03	1.343E-05	3.292E-15	4.792E-43	0.000E+00
Ra-228	\$DSR(j)		3.623E-02	3.451E-02	2.628E-02	5.283E-03	1.548E-05	3.660E-15	5.255E-43	0.000E+00
0Th-228	Th-228	1.000E+00	3.183E-02	2.215E-02	1.072E-02	8.450E-04	5.955E-07	5.528E-18	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	1.853E-04	1.852E-04	1.849E-04	1.841E-04	1.817E-04	1.733E-04	1.507E-04	8.430E-05
Th-230	Ra-226	1.000E+00	1.092E-05	3.043E-05	5.950E-05	1.037E-04	1.166E-04	1.120E-04	9.875E-05	5.728E-05
Th-230	Pb-210	1.000E+00	4.221E-08	2.327E-07	8.962E-07	3.553E-06	5.863E-06	5.726E-06	4.968E-06	2.752E-06
Th-230	\$DSR(j)		1.963E-04	2.159E-04	2.453E-04	2.913E-04	3.041E-04	2.910E-04	2.544E-04	1.443E-04
0Th-232	Th-232	1.000E+00	8.781E-04	8.775E-04	8.763E-04	8.723E-04	8.608E-04	8.212E-04	7.138E-04	3.981E-04
Th-232	Ra-228	1.000E+00	1.878E-03	5.029E-03	8.985E-03	1.288E-02	1.319E-02	1.264E-02	1.114E-02	6.469E-03
Th-232	Th-228	1.000E+00	2.377E-04	1.367E-03	4.786E-03	1.241E-02	1.408E-02	1.353E-02	1.198E-02	7.046E-03
Th-232	\$DSR(j)		2.994E-03	7.274E-03	1.465E-02	2.616E-02	2.813E-02	2.699E-02	2.384E-02	1.391E-02

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
 \$ is used to indicate summation; the Greek sigma is not included in this font.
 The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Single Radionuclide Soil Guidelines G(i,t) in pCi/g
 Basic Radiation Dose Limit = 2.500E+01 mrem/yr

0Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	1.800E+03	2.134E+03	3.006E+03	9.976E+03	3.071E+05	4.971E+10	*7.631E+13	*7.631E+13
Ra-226	4.992E+02	6.043E+02	8.862E+02	3.365E+03	1.443E+05	4.124E+10	*9.882E+11	*9.882E+11
Ra-228	6.901E+02	7.244E+02	9.512E+02	4.732E+03	1.615E+06	*2.726E+14	*2.726E+14	*2.726E+14
Th-228	7.853E+02	1.129E+03	2.333E+03	2.958E+04	4.198E+07	*8.192E+14	*8.192E+14	*8.192E+14
Th-230	1.274E+05	1.158E+05	1.019E+05	8.582E+04	8.221E+04	8.590E+04	9.826E+04	1.732E+05
Th-232	8.350E+03	3.437E+03	1.707E+03	9.556E+02	8.887E+02	9.263E+02	1.049E+03	1.797E+03

*At specific activity limit

Individual Nuclide Dose Summed Over All Pathways										
Parent Nuclide and Branch Fraction Indicated										
ONuclide	Parent	BRF(i)	DOSE(j,t), mrem/yr							
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02
(j)	(i)									
Pb-210	Pb-210	1.000E+00	1.541E-01	1.300E-01	9.230E-02	2.782E-02	9.037E-04	5.582E-09	7.257E-24	0.000E+00
Pb-210	Ra-226	1.000E+00	6.456E-03	1.425E-02	2.180E-02	1.739E-02	1.251E-03	1.239E-08	1.701E-23	0.000E+00
Pb-210	Th-230	1.000E+00	4.679E-05	2.580E-04	9.934E-04	3.938E-03	6.499E-03	6.347E-03	5.507E-03	3.050E-03
Pb-210	\$DOSE(j)		1.606E-01	1.445E-01	1.151E-01	4.915E-02	8.654E-03	6.347E-03	5.507E-03	3.050E-03
ORa-226	Ra-226	1.000E+00	1.216E+00	9.952E-01	6.666E-01	1.639E-01	2.977E-03	2.403E-09	9.326E-27	0.000E+00
Ra-226	Th-230	1.000E+00	1.211E-02	3.374E-02	6.595E-02	1.149E-01	1.292E-01	1.241E-01	1.095E-01	6.349E-02
Ra-226	\$DOSE(j)		1.228E+00	1.029E+00	7.325E-01	2.788E-01	1.322E-01	1.241E-01	1.095E-01	6.349E-02
ORa-228	Ra-228	1.000E+00	1.094E+01	7.949E+00	4.187E+00	4.440E-01	7.298E-04	1.313E-13	0.000E+00	0.000E+00
Ra-228	Th-232	1.000E+00	6.704E-01	1.795E+00	3.207E+00	4.597E+00	4.707E+00	4.512E+00	3.977E+00	2.309E+00
Ra-228	\$DOSE(j)		1.162E+01	9.744E+00	7.393E+00	5.041E+00	4.708E+00	4.512E+00	3.977E+00	2.309E+00
0Th-228	Ra-228	1.000E+00	1.984E+00	4.368E+00	5.194E+00	1.441E+00	4.794E-03	1.175E-12	0.000E+00	0.000E+00
Th-228	Th-228	1.000E+00	1.136E+01	7.904E+00	3.825E+00	3.016E-01	2.125E-04	1.973E-15	0.000E+00	0.000E+00
Th-228	Th-232	1.000E+00	8.482E-02	4.880E-01	1.708E+00	4.429E+00	5.026E+00	4.827E+00	4.277E+00	2.515E+00
Th-228	\$DOSE(j)		1.343E+01	1.276E+01	1.073E+01	6.172E+00	5.031E+00	4.827E+00	4.277E+00	2.515E+00
0Th-230	Th-230	1.000E+00	2.054E-01	2.053E-01	2.050E-01	2.041E-01	2.014E-01	1.921E-01	1.671E-01	9.345E-02
0Th-232	Th-232	1.000E+00	3.134E-01	3.132E-01	3.128E-01	3.113E-01	3.072E-01	2.931E-01	2.547E-01	1.421E-01
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

BRF(i) is the branch fraction of the parent nuclide.
 \$ is used to indicate summation; the Greek sigma is not included in this font.

Individual Nuclide Soil Concentration										
Parent Nuclide and Branch Fraction Indicated										
0Nuclide (j)	Parent (i)	BRF(i)	S(j,t), pCi/g							
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02
Pb-210	Pb-210	1.000E+00	1.110E+01	9.356E+00	6.647E+00	2.009E+00	6.584E-02	4.194E-07	5.987E-22	0.000E+00
Pb-210	Ra-226	1.000E+00	0.000E+00	6.300E-01	1.305E+00	1.191E+00	8.997E-02	9.298E-07	1.403E-21	0.000E+00
Pb-210	Th-230	1.000E+00	0.000E+00	6.601E-03	4.676E-02	2.401E-01	4.231E-01	4.272E-01	4.070E-01	3.435E-01
Pb-210	\$S(j):		1.110E+01	9.993E+00	7.999E+00	3.440E+00	5.789E-01	4.272E-01	4.070E-01	3.435E-01
0Ra-226	Ra-226	1.000E+00	2.440E+01	1.998E+01	1.339E+01	3.300E+00	6.037E-02	4.998E-08	2.097E-25	0.000E+00
Ra-226	Th-230	1.000E+00	0.000E+00	4.352E-01	1.083E+00	2.072E+00	2.380E+00	2.346E+00	2.235E+00	1.886E+00
Ra-226	\$S(j):		2.440E+01	2.041E+01	1.447E+01	5.373E+00	2.440E+00	2.346E+00	2.235E+00	1.886E+00
0Ra-228	Ra-228	1.000E+00	3.569E+02	2.591E+02	1.366E+02	1.452E+01	2.404E-02	4.441E-12	6.877E-40	0.000E+00
Ra-228	Th-232	1.000E+00	0.000E+00	3.681E+01	8.292E+01	1.287E+02	1.335E+02	1.314E+02	1.254E+02	1.065E+02
Ra-228	\$S(j):		3.569E+02	2.959E+02	2.195E+02	1.432E+02	1.335E+02	1.314E+02	1.254E+02	1.065E+02
0Th-228	Ra-228	1.000E+00	0.000E+00	9.192E+01	1.394E+02	4.289E+01	1.479E-01	3.742E-11	5.879E-39	0.000E+00
Th-228	Th-228	1.000E+00	3.569E+02	2.484E+02	1.203E+02	9.506E+00	6.744E-03	6.415E-14	0.000E+00	0.000E+00
Th-228	Th-232	1.000E+00	0.000E+00	6.228E+00	3.653E+01	1.144E+02	1.335E+02	1.314E+02	1.254E+02	1.065E+02
Th-228	\$S(j):		3.569E+02	3.465E+02	2.962E+02	1.668E+02	1.336E+02	1.314E+02	1.254E+02	1.065E+02
0Th-230	Th-230	1.000E+00	1.108E+03	1.108E+03	1.108E+03	1.106E+03	1.100E+03	1.082E+03	1.031E+03	8.699E+02
0Th-232	Th-232	1.000E+00	3.569E+02	3.568E+02	3.567E+02	3.561E+02	3.544E+02	3.487E+02	3.328E+02	2.826E+02

BRF(i) is the branch fraction of the parent nuclide.

\$ is used to indicate summation; the Greek sigma is not included in this font.

0RESCALC.EXE execution time = 0.59 seconds

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Iteration Log for Computation of the Time of Maximum Th-230 Dose/Source Ratio
 All Pathways Summed
 0 Tolerance for tmax = 1.0E-03 (fractional accuracy)

0 Iteration Number	t (years)	DSR(t) (mrem/yr) / (pCi/g)	Step Size (years)	Step Type
0	2.42446E+01	3.04435E-04		
1	2.57865E+01	3.04429E-04	1.54192E+00	parabolic
2	2.48691E+01	3.04443E-04	6.24436E-01	parabolic
3	2.49069E+01	3.04443E-04	3.78374E-02	parabolic
4	2.49318E+01	3.04443E-04	2.49069E-02	parabolic
5	2.52583E+01	3.04441E-04	3.26480E-01	golden section
6	2.50565E+01	3.04443E-04	1.24705E-01	golden section
7	2.49794E+01	3.04443E-04	4.76328E-02	golden section
8	2.49318E+01	3.04443E-04	0.00000E+00	direct

Notes:

- 1) Step size always from t with current largest DSR(t) .
- 2) Parabolic step based on parabola maximum through the current best triplet.
- 3) Golden section step, $0.5 * (3 - \sqrt{5})$ of larger interval bracketing maximum, taken only if trial parabolic step fails.
- 4) Direct step to a previous t only on last iteration and only if prior iteration met convergence test but DSR(t) was smaller than the previous value.

Iteration Log for Computation of the Time of Maximum Th-232 Dose/Source Ratio

All Pathways Summed

0 Tolerance for tmax = 1.0E-03 (fractional accuracy)

0 Iteration Number	t (years)	DSR(t) (mrem/yr) / (pCi/g)	Step Size (years)	Step Type
0	2.42446E+01	2.81978E-02		
1	2.42689E+01	2.81977E-02	9.35592E-03	parabolic
2	2.32780E+01	2.82018E-02	-9.66613E-01	parabolic
3	2.14866E+01	2.81976E-02	-1.79146E+00	golden section
4	2.26415E+01	2.82023E-02	-6.36538E-01	parabolic
5	2.27706E+01	2.82024E-02	1.29175E-01	parabolic
6	2.27956E+01	2.82024E-02	2.49521E-02	parabolic
7	2.28237E+01	2.82024E-02	2.81382E-02	parabolic
8	2.27956E+01	2.82024E-02	0.00000E+00	direct

Notes:

- 1) Step size always from t with current largest DSR(t) .
- 2) Parabolic step based on parabola maximum through the current best triplet.
- 3) Golden section step, $0.5 * (3 - \sqrt{5})$ of larger interval bracketing maximum, taken only if trial parabolic step fails.
- 4) Direct step to a previous t only on last iteration and only if prior iteration met convergence test but DSR(t) was smaller than the previous value.

Source Factors for Ingrowth and Decay
Radioactivity Factors Only
Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
				ID(j,t) = CUMBRF(j)*S1(j,t)/S1(i,0)							
Pb-210	Pb-210	1.000E+00		1.000E+00	9.694E-01	9.110E-01	7.328E-01	3.936E-01	4.468E-02	8.918E-05	3.169E-14
0Ra-226	Ra-226	1.000E+00		1.000E+00	9.996E-01	9.987E-01	9.957E-01	9.871E-01	9.576E-01	8.781E-01	6.484E-01
Ra-226	Pb-210	1.000E+00		0.000E+00	3.060E-02	8.897E-02	2.666E-01	6.019E-01	9.258E-01	8.904E-01	6.576E-01
0Ra-228	Ra-228	1.000E+00		1.000E+00	8.864E-01	6.965E-01	2.996E-01	2.688E-02	5.817E-06	1.968E-16	0.000E+00
Ra-228	Th-228	1.000E+00		0.000E+00	2.853E-01	5.384E-01	4.089E-01	4.025E-02	8.717E-06	2.950E-16	0.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	6.961E-01	3.372E-01	2.670E-02	1.903E-05	1.840E-16	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.997E-01	9.991E-01	9.973E-01	9.910E-01
Th-230	Ra-226	1.000E+00		0.000E+00	4.331E-04	1.299E-03	4.323E-03	1.291E-02	4.238E-02	1.217E-01	3.499E-01
Th-230	Pb-210	1.000E+00		0.000E+00	6.663E-06	5.873E-05	6.077E-04	4.523E-03	2.948E-02	1.093E-01	3.408E-01
0Th-232	Th-232	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00		0.000E+00	1.136E-01	3.035E-01	7.004E-01	9.731E-01	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00		0.000E+00	1.864E-02	1.243E-01	5.644E-01	9.597E-01	1.000E+00	1.000E+00	1.000E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Source Factors for Ingrowth and Decay
Combined Radioactivity and Leaching Factors
Parent and Progeny Principal Radionuclide Contributions Indicated

SF(j,t) = CUMBRF(j)*S1(j,t)/S1(i,0)

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		1.000E+00	8.429E-01	5.989E-01	1.810E-01	5.932E-03	3.778E-08	5.394E-23	0.000E+00
0Ra-226	Ra-226	1.000E+00		1.000E+00	8.187E-01	5.487E-01	1.353E-01	2.474E-03	2.048E-09	8.595E-27	0.000E+00
Ra-226	Pb-210	1.000E+00		0.000E+00	2.582E-02	5.347E-02	4.881E-02	3.687E-03	3.811E-08	5.751E-23	0.000E+00
0Ra-228	Ra-228	1.000E+00		1.000E+00	7.260E-01	3.827E-01	4.069E-02	6.737E-05	1.244E-14	1.927E-42	0.000E+00
Ra-228	Th-228	1.000E+00		0.000E+00	2.576E-01	3.906E-01	1.202E-01	4.145E-04	1.049E-13	1.647E-41	0.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	6.959E-01	3.370E-01	2.664E-02	1.890E-05	1.798E-16	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00		1.000E+00	9.998E-01	9.993E-01	9.976E-01	9.928E-01	9.761E-01	9.299E-01	7.847E-01
Th-230	Ra-226	1.000E+00		0.000E+00	3.926E-04	9.768E-04	1.870E-03	2.147E-03	2.116E-03	2.016E-03	1.701E-03
Th-230	Pb-210	1.000E+00		0.000E+00	5.955E-06	4.218E-05	2.166E-04	3.816E-04	3.854E-04	3.672E-04	3.098E-04
0Th-232	Th-232	1.000E+00		1.000E+00	9.998E-01	9.993E-01	9.977E-01	9.930E-01	9.769E-01	9.324E-01	7.918E-01
Th-232	Ra-228	1.000E+00		0.000E+00	1.031E-01	2.323E-01	3.606E-01	3.741E-01	3.681E-01	3.513E-01	2.983E-01
Th-232	Th-228	1.000E+00		0.000E+00	1.745E-02	1.024E-01	3.206E-01	3.740E-01	3.681E-01	3.513E-01	2.983E-01
=====	=====	=====		=====	=====	=====	=====	=====	=====	=====	=====

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
The effect of volatilization was also considered when computing the source factors for H-3 and C-14.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose Conversion and Environmental Transport Factors for the Ground Pathway (p=1)

OParent (i)	Product (j)	DCF(j,1)*	ETF(j,1,t) (dimensionless)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	6.120E-03	1.124E-02	1.124E-02	1.123E-02	1.122E-02	1.117E-02	1.102E-02	1.055E-02	8.459E-03
ORa-226	Ra-226	1.120E+01	4.013E-03	4.012E-03	4.009E-03	4.000E-03	3.973E-03	3.878E-03	3.603E-03	2.501E-03
Ra-226	Pb-210	6.120E-03	1.124E-02	1.124E-02	1.123E-02	1.122E-02	1.117E-02	1.102E-02	1.055E-02	8.459E-03
ORa-228	Ra-228	5.980E+00	4.178E-03	4.177E-03	4.174E-03	4.164E-03	4.136E-03	4.038E-03	3.751E-03	2.609E-03
Ra-228	Th-228	1.020E+01	3.698E-03	3.697E-03	3.695E-03	3.686E-03	3.661E-03	3.573E-03	3.318E-03	2.299E-03
0Th-228	Th-228	1.020E+01	3.698E-03	3.697E-03	3.695E-03	3.686E-03	3.661E-03	3.573E-03	3.318E-03	2.299E-03
0Th-230	Th-230	1.210E-03	8.886E-03	8.884E-03	8.880E-03	8.865E-03	8.822E-03	8.674E-03	8.240E-03	6.360E-03
Th-230	Ra-226	1.120E+01	4.013E-03	4.012E-03	4.009E-03	4.000E-03	3.973E-03	3.878E-03	3.603E-03	2.501E-03
Th-230	Pb-210	6.120E-03	1.124E-02	1.124E-02	1.123E-02	1.122E-02	1.117E-02	1.102E-02	1.055E-02	8.459E-03
0Th-232	Th-232	5.210E-04	1.066E-02	1.066E-02	1.066E-02	1.064E-02	1.060E-02	1.045E-02	1.001E-02	8.168E-03
Th-232	Ra-228	5.980E+00	4.178E-03	4.177E-03	4.174E-03	4.164E-03	4.136E-03	4.038E-03	3.751E-03	2.609E-03
Th-232	Th-228	1.020E+01	3.698E-03	3.697E-03	3.695E-03	3.686E-03	3.661E-03	3.573E-03	3.318E-03	2.299E-03
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

* - The dose conversion factor units are (mrem/yr)/(pCi/g) at infinite depth and area.

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Dose/Source Ratios for External Radiation from the Ground (p=1)
Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	DSR(j,1,t) (mrem/yr)/(pCi/g)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	6.323E-05	5.328E-05	3.784E-05	1.142E-05	3.729E-07	2.342E-12	3.202E-27	0.000E+00
ORa-226	Ra-226	1.000E+00	4.073E-02	3.333E-02	2.233E-02	5.490E-03	9.976E-05	8.062E-11	3.142E-28	0.000E+00
Ra-226	Pb-210	1.000E+00	9.455E-07	2.406E-06	3.897E-06	3.208E-06	2.341E-07	2.364E-12	3.414E-27	0.000E+00
Ra-226	\$DSR(j)		4.073E-02	3.334E-02	2.233E-02	5.494E-03	9.999E-05	8.299E-11	3.728E-27	0.000E+00
ORa-228	Ra-228	1.000E+00	2.138E-02	1.551E-02	8.173E-03	8.669E-04	1.426E-06	2.570E-16	3.643E-44	0.000E+00
Ra-228	Th-228	1.000E+00	5.460E-03	1.211E-02	1.443E-02	4.011E-03	1.334E-05	3.271E-15	4.778E-43	0.000E+00
Ra-228	\$DSR(j)		2.684E-02	2.762E-02	2.261E-02	4.878E-03	1.477E-05	3.528E-15	5.143E-43	0.000E+00
0Th-228	Th-228	1.000E+00	3.164E-02	2.201E-02	1.065E-02	8.399E-04	5.918E-07	5.494E-18	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	1.075E-05	1.074E-05	1.073E-05	1.070E-05	1.060E-05	1.024E-05	9.269E-06	6.036E-06
Th-230	Ra-226	1.000E+00	9.115E-06	2.509E-05	4.885E-05	8.496E-05	9.553E-05	9.189E-05	8.132E-05	4.763E-05
Th-230	Pb-210	1.000E+00	1.408E-10	8.883E-10	3.729E-09	1.557E-08	2.615E-08	2.599E-08	2.371E-08	1.603E-08
Th-230	\$DSR(j)		1.986E-05	3.584E-05	5.958E-05	9.567E-05	1.061E-04	1.022E-04	9.061E-05	5.369E-05
0Th-232	Th-232	1.000E+00	5.554E-06	5.551E-06	5.546E-06	5.530E-06	5.482E-06	5.316E-06	4.860E-06	3.369E-06
Th-232	Ra-228	1.000E+00	1.357E-03	3.560E-03	6.316E-03	9.031E-03	9.251E-03	8.885E-03	7.878E-03	4.652E-03
Th-232	Th-228	1.000E+00	2.321E-04	1.347E-03	4.734E-03	1.230E-02	1.396E-02	1.341E-02	1.189E-02	6.991E-03
Th-232	\$DSR(j)		1.595E-03	4.913E-03	1.106E-02	2.134E-02	2.322E-02	2.230E-02	1.977E-02	1.165E-02
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*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).

\$ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Inhalation Pathway, Excluding Radon (p=2)
Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	DSR(j,2,t) (mrem/yr) / (pCi/g)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	3.852E-06	3.245E-06	2.304E-06	6.942E-07	2.255E-08	1.393E-13	1.810E-28	0.000E+00
ORa-226	Ra-226	1.000E+00	1.408E-06	1.152E-06	7.714E-07	1.896E-07	3.438E-09	2.760E-15	1.054E-32	0.000E+00
Ra-226	Pb-210	1.000E+00	5.760E-08	1.465E-07	2.372E-07	1.949E-07	1.416E-08	1.406E-13	1.930E-28	0.000E+00
Ra-226	\$DSR(j)		1.465E-06	1.299E-06	1.009E-06	3.845E-07	1.760E-08	1.434E-13	1.930E-28	0.000E+00
ORa-228	Ra-228	1.000E+00	7.851E-07	5.698E-07	3.001E-07	3.181E-08	5.221E-11	9.350E-21	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	9.020E-06	2.000E-05	2.384E-05	6.619E-06	2.198E-08	5.353E-18	1.401E-45	0.000E+00
Ra-228	\$DSR(j)		9.805E-06	2.057E-05	2.414E-05	6.651E-06	2.204E-08	5.362E-18	1.401E-45	0.000E+00
0Th-228	Th-228	1.000E+00	5.227E-05	3.636E-05	1.759E-05	1.386E-06	9.750E-10	8.992E-21	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	5.887E-05	5.883E-05	5.875E-05	5.848E-05	5.769E-05	5.500E-05	4.770E-05	2.640E-05
Th-230	Ra-226	1.000E+00	3.150E-10	8.672E-10	1.688E-09	2.934E-09	3.292E-09	3.146E-09	2.728E-09	1.510E-09
Th-230	Pb-210	1.000E+00	8.577E-12	5.410E-11	2.270E-10	9.464E-10	1.582E-09	1.545E-09	1.340E-09	7.417E-10
Th-230	\$DSR(j)		5.887E-05	5.883E-05	5.876E-05	5.848E-05	5.770E-05	5.500E-05	4.771E-05	2.640E-05
0Th-232	Th-232	1.000E+00	2.962E-04	2.960E-04	2.956E-04	2.942E-04	2.903E-04	2.769E-04	2.406E-04	1.340E-04
Th-232	Ra-228	1.000E+00	4.984E-08	1.307E-07	2.319E-07	3.314E-07	3.388E-07	3.232E-07	2.808E-07	1.564E-07
Th-232	Th-228	1.000E+00	3.835E-07	2.225E-06	7.819E-06	2.030E-05	2.300E-05	2.195E-05	1.907E-05	1.062E-05
Th-232	\$DSR(j)		2.966E-04	2.983E-04	3.036E-04	3.148E-04	3.137E-04	2.992E-04	2.600E-04	1.448E-04

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
\$ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

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Pathway Factors for the Inhalation Pathway (radon excluded)

Area (A): 5.7300E+03 m**2 Occupancy Factor (FO2): 2.8500E-02
 Area Factor (FA2): 1.6170E-01 Annual Air Intake (FI2): 8.4000E+03 m**3/yr
 Cover Depth [Cd(0)]: 0.0000E+00 m Mass Loading (ASR2): 1.0000E-04 g/m**3
 Contaminated Zone Thickness [T(0)]: 7.0000E-03 m FA2 * FO2 * FI2 * ASR2: 3.8710E-03 g/yr

Nuclide (i)	t=	Depth Factor [FD(i,2,t)] (dimensionless)						
		0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02
Pb-210+D	4.6667E-02	4.6647E-02	4.6607E-02	4.6467E-02	4.6067E-02	4.4667E-02	4.0667E-02	2.6667E-02
Ra-226+D	4.6667E-02	4.6647E-02	4.6607E-02	4.6467E-02	4.6067E-02	4.4667E-02	4.0667E-02	2.6667E-02
Ra-228+D	4.6667E-02	4.6647E-02	4.6607E-02	4.6467E-02	4.6067E-02	4.4667E-02	4.0667E-02	2.6667E-02
Th-228+D	4.6667E-02	4.6647E-02	4.6607E-02	4.6467E-02	4.6067E-02	4.4667E-02	4.0667E-02	2.6667E-02
Th-230	4.6667E-02	4.6647E-02	4.6607E-02	4.6467E-02	4.6067E-02	4.4667E-02	4.0667E-02	2.6667E-02
Th-232	4.6667E-02	4.6647E-02	4.6607E-02	4.6467E-02	4.6067E-02	4.4667E-02	4.0667E-02	2.6667E-02

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose Conversion and Environmental Transport Factors for the Inhalation Pathway, Excluding Radon (p=2)

Parent (i)	Product (j)	DCF(j,2) *	ETF(j,2,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	2.320E-02	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04
0Ra-226	Ra-226	8.600E-03	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04
Ra-226	Pb-210	2.320E-02	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04
0Ra-228	Ra-228	5.080E-03	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04
Ra-228	Th-228	3.450E-01	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04
0Th-228	Th-228	3.450E-01	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04
0Th-230	Th-230	3.260E-01	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04
Th-230	Ra-226	8.600E-03	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04
Th-230	Pb-210	2.320E-02	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04
0Th-232	Th-232	1.640E+00	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04
Th-232	Ra-228	5.080E-03	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04
Th-232	Th-228	3.450E-01	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04
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* - The dose conversion factor units are mrem/pCi.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Outdoor Working Levels of Radon [WLOTD(i,t)]

ONuclide (i)	t=	WLOTD(i,t) (WL)							
		0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-226	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-230	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-232	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

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Indoor Working Levels of Radon [WLIND(i,t)]

ONuclide (i)	t=	WLIND(i,t) (WL)							
		0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-226	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-230	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-232	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
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0

0 Fraction of Time Spent Outdoors (FOTD): 2.850E-02
 Fraction of Time Spent Indoors (FIND): 0.000E+00

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Radon Pathway (p=9)
Subpathway: Outdoor and Indoor Radon Flux
Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
 \$ is used to indicate summation; the Greek sigma is not included in this font.
 The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
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Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Radon Pathway (p=9)
Subpathway: Indoor Radon from Water Usage
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
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Source Terms, Factors, and Parameters for Pathways:
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Transport Time Parameters for Unsaturated Zone Stratum No. 1

Stratum thickness [h(1)]: 1.520000 m
 Bulk soil material density [rhob(1)]: 1.970000 g/cm**3
 Effective porosity [peuz(1)]: 0.200000
 Hydraulic conductivity [Khuz(1)]: 10.000000 m/yr
 Total porosity [ptuz(1)]: 0.400000
 Soil specific b parameter [buz(1)]: 5.300000
 Saturation ratio [sruz(1)]: 0.748097

Radio-nuclide (i)	Distribution Coefficient Kduz(i,1), cm**3/g	Retardation Factor Rduz(i,1)	Transport Time Dtuz(i,1), yr
Pb-210	1.0000E+02	6.5934E+02	7.7645E+02
Ra-226	7.0000E+01	4.6184E+02	5.4387E+02
Ra-228	7.0000E+01	4.6184E+02	5.4387E+02
Th-228	6.0000E+04	3.9500E+05	4.6516E+05
Th-230	6.0000E+04	3.9500E+05	4.6516E+05
Th-232	6.0000E+04	3.9500E+05	4.6516E+05

0

Transport Time Parameters for Unsaturated Zone Stratum No. 2

Stratum thickness [h(2)]: 4.000000 m
 Bulk soil material density [rhob(2)]: 1.650000 g/cm**3
 Effective porosity [peuz(2)]: 0.200000
 Hydraulic conductivity [Khuz(2)]: 2018.000000 m/yr
 Total porosity [ptuz(2)]: 0.400000
 Soil specific b parameter [buz(2)]: 5.300000
 Saturation ratio [sruz(2)]: 0.506382

Radio-nuclide (i)	Distribution Coefficient Kduz(i,2), cm**3/g	Retardation Factor Rduz(i,2)	Transport Time Dtuz(i,2), yr
Pb-210	1.0000E+02	8.1560E+02	1.7109E+03
Ra-226	7.0000E+01	5.7122E+02	1.1982E+03
Ra-228	7.0000E+01	5.7122E+02	1.1982E+03
Th-228	6.0000E+04	4.8876E+05	1.0253E+06
Th-230	6.0000E+04	4.8876E+05	1.0253E+06
Th-232	6.0000E+04	4.8876E+05	1.0253E+06

Source Terms, Factors, and Parameters for Pathways:
File:

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SurfSoil Composite Recreationist.RAD

Transport Time Parameters for Unsaturated Zone Stratum No. 3

Stratum thickness [h(3)]: 18.299999 m
 Bulk soil material density [rhob(3)]: 1.970000 g/cm**3
 Effective porosity [peuz(3)]: 0.200000

 Hydraulic conductivity [Khuz(3)]: 0.017000 m/yr
 Total porosity [ptuz(3)]: 0.400000
 Soil specific b parameter [buz(3)]: 5.300000
 Saturation ratio [sruz(3)]: 1.000000

Radio-nuclide (i)	Distribution Coefficient Kduz(i,3), cm**3/g	Retardation Factor Rduz(i,3)	Transport Time Dtuz(i,3), yr
Pb-210	1.0000E+02	4.9350E+02	9.3528E+03
Ra-226	7.0000E+01	3.4575E+02	6.5526E+03
Ra-228	7.0000E+01	3.4575E+02	6.5526E+03
Th-228	6.0000E+04	2.9550E+05	5.6003E+06
Th-230	6.0000E+04	2.9550E+05	5.6003E+06
Th-232	6.0000E+04	2.9550E+05	5.6003E+06
=====	=====	=====	=====

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Transport Time Parameters for Unsaturated Zone created by the Falling Water Table

Water table drop rate [vwt]: 0.001000 m/yr
 Bulk soil material density [rhobaq]: 1.650000 g/cm**3
 Effective porosity [peaq]: 0.350000
 Hydraulic conductivity [Khaq]: 300.000000 m/yr
 Total porosity [ptaq]: 0.400000
 Soil specific b parameter [baq]: 5.300000
 Saturation ratio [sruaq]: 0.582567

Radio-nuclide (i)	Distribution Coefficient Kdaq(i), cm**3/g	Retardation Factor Rduaq(i)	Minimum Transport Time Dtuaq(i), yr
Pb-210	1.0000E+02	7.0907E+02	3.5266E+04
Ra-226	7.0000E+01	4.9665E+02	9.1448E+03
Ra-228	7.0000E+01	4.9665E+02	9.1448E+03
Th-228	6.0000E+04	4.2484E+05	Infinite
Th-230	6.0000E+04	4.2484E+05	Infinite
Th-232	6.0000E+04	4.2484E+05	Infinite
=====	=====	=====	=====

Source Terms, Factors, and Parameters for Pathways:
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Dilution Factor and Rise Time Parameters for Nondispersion (ND) Model

0 Aquifer contamination depth at well (z): 3.21867E+00 m
 Depth of water intake below water table (dw): 1.00000E+01 m
 Infiltration rate (In): 1.93120E-01 m/yr
 Aquifer water flow rate (Vwfr): 6.00000E+00 m/yr
 Hydraulic gradient (J): 2.00000E-02
 Hydraulic conductivity of aquifer (Kszh): 3.00000E+02 m/yr
 Contaminated zone extent parallel to gradient (l): 1.00000E+02 m
 Distance below contaminated zone to water table (h): 0.23820E+02 m
 Initial thickness of uncontaminated cover (Cd): 0.00000E+00 m
 Initial thickness of contaminated zone (T): 0.70000E-02 m
 Effective porosity of saturated zone (pesz): 0.35000E+00

0 Radio-nuclide (i)	Dilution Factor f(i)	Retardation Factor Rdsz(i)	Horizontal Transport Time		Rise Time dt(i), yr	Decay Time Parameter 1/lamda(i),yr
			Onsite Tauh(i), yr			
Pb-210	3.219E-01	4.135E+02	2.412E+03		2.412E+03	3.217E+01
Ra-226	3.219E-01	2.898E+02	1.690E+03		1.690E+03	2.308E+03
Ra-228	3.219E-01	2.898E+02	1.690E+03		1.690E+03	8.295E+00
Th-228	3.219E-01	2.475E+05	1.444E+06		1.444E+06	2.760E+00
Th-230	3.219E-01	2.475E+05	1.444E+06		1.444E+06	1.111E+05
Th-232	3.219E-01	2.475E+05	1.444E+06		1.444E+06	2.027E+10

0 Primary Parameters Used for Calculating Water/Soil Concentration Ratios for Groundwater Pathway Segment

0 Model used: Nondispersion (ND)
 Bulk soil density in contaminated zone (rhob): 1.970 g/cm**3

0 Radio-nuclide (i)	Dilution Factor f(i)	Retardation Factor Rdcz(i)	Breakthrough Time		Rise Time dt(i), yr
			Chain year	Single Nuclide Dt(i), yr	
Pb-210	3.219E-01	6.593E+02	1.744E+04	4.711E+04	2.412E+03
Ra-226	3.219E-01	4.618E+02	1.744E+04	1.744E+04	1.690E+03
Ra-228	3.219E-01	4.618E+02	1.744E+04	1.744E+04	1.690E+03
Th-228	3.219E-01	3.950E+05	1.744E+04	Infinite	1.444E+06
Th-230	3.219E-01	3.950E+05	Infinite	Infinite	1.444E+06
Th-232	3.219E-01	3.950E+05	Infinite	Infinite	1.444E+06

Storage Times For Contaminated Foodstuffs

k	Food Item	STOR_T(k), days
1	non-leafy plants	14.
2	leafy plants	1.
3	milk	1.
4	meat	20.
5	fish	7.
6	crustacea	7.
7	well water	1.
8	surface water	1.
9	livestock fodder	45.

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Storage Time Ingrowth and Decay Factors
Storage Time for k'th Foodstuff: t = STOR_T(k), days

Parent (i)	Product (j)	Branch Fraction	STOR_ID(i, j, t) = CONCE(i, j, t) / CONCE(i, i, 0)									
t=	1.400E+01	1.000E+00	1.000E+00	2.000E+01	7.000E+00	7.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	4.500E+01	
Pb-210	Pb-210	1.000E+00	9.988E-01	9.999E-01	9.999E-01	9.983E-01	9.994E-01	9.994E-01	9.999E-01	9.999E-01	9.962E-01	
Ra-226	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	
Ra-226	Pb-210	1.000E+00	1.191E-03	8.510E-05	8.510E-05	1.701E-03	5.955E-04	5.955E-04	8.510E-05	8.510E-05	3.822E-03	
Ra-228	Ra-228	1.000E+00	9.954E-01	9.997E-01	9.997E-01	9.934E-01	9.977E-01	9.977E-01	9.997E-01	9.997E-01	9.853E-01	
Ra-228	Th-228	1.000E+00	1.376E-02	9.913E-04	9.913E-04	1.958E-02	6.912E-03	6.912E-03	9.913E-04	9.913E-04	4.333E-02	
Th-228	Th-228	1.000E+00	9.862E-01	9.990E-01	9.990E-01	9.804E-01	9.931E-01	9.931E-01	9.990E-01	9.990E-01	9.563E-01	
Th-230	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	
Th-230	Ra-226	1.000E+00	1.661E-05	1.186E-06	1.186E-06	2.372E-05	8.303E-06	8.303E-06	1.186E-06	1.186E-06	5.337E-05	
Th-230	Pb-210	1.000E+00	9.888E-09	5.047E-11	5.047E-11	2.018E-08	2.472E-09	2.472E-09	5.047E-11	5.047E-11	1.021E-07	
Th-232	Th-232	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	
Th-232	Ra-228	1.000E+00	4.610E-03	3.300E-04	3.300E-04	6.579E-03	2.308E-03	2.308E-03	3.300E-04	3.300E-04	1.474E-02	
Th-232	Th-228	1.000E+00	3.189E-05	1.636E-07	1.636E-07	6.490E-05	7.996E-06	7.996E-06	1.636E-07	1.636E-07	3.250E-04	

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CONCE(i, j, t) / CONCE(i, i, 0) is the concentration ratio of Product(j) at time t to Parent(i) at start of storage time.

Source Terms, Factors, and Parameters for Pathways:
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Storage Time Correction Factors

Irrigation Water for Nonleafy Plants from Well and/or Surface

Harvest Time = t - 4.11E-02 yr; Consumption Time = t - 3.83E-02 yr

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Th-232	Th-232	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors

Irrigation Water for Leafy Plants from Well and/or Surface

Harvest Time = t - 5.48E-03 yr; Consumption Time = t - 2.74E-03 yr

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-226	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Ra-228	Ra-228	1.000E+00		1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Ra-228	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01
0Th-230	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-232	Th-232	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Source Terms, Factors, and Parameters for Pathways:
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Storage Time Correction Factors

Irrigation Water for Livestock (Meat) Fodder from Well and/or Surface

Harvest Time = t - 1.81E-01 yr; Consumption Time = t - 1.78E-01 yr

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Th-232	Th-232	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors

Livestock (Milk) Water from Well and/or Surface

Harvest Time = t - 5.48E-03 yr; Consumption Time = t - 2.74E-03 yr

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-226	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Ra-228	Ra-228	1.000E+00		1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Ra-228	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01
0Th-230	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-232	Th-232	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Storage Time Correction Factors
Livestock (Meat) Water from Well and/or Surface
Harvest Time = t - 5.75E-02 yr; Consumption Time = t - 5.48E-02 yr

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-226	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Ra-228	Ra-228	1.000E+00		1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Ra-228	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01
0Th-230	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-232	Th-232	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors for Nonleafy Plants
Harvest Time = t - 3.83E-02 yr; Consumption Time = t yr

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		1.000E+00	9.988E-01	9.988E-01	9.988E-01	9.988E-01	9.988E-01	9.988E-01	9.988E-01
0Ra-226	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Ra-228	Ra-228	1.000E+00		1.000E+00	9.954E-01	9.954E-01	9.954E-01	9.954E-01	9.954E-01	9.954E-01	9.954E-01
Ra-228	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.862E-01	9.862E-01	9.862E-01	9.862E-01	9.862E-01	9.862E-01	9.862E-01
0Th-230	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-232	Th-232	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Storage Time Correction Factors for Leafy Plants
Harvest Time = t - 2.74E-03 yr; Consumption Time = t yr

OParent (i)	Product (j)	Branch Fraction*	CF3(j,2,t)#								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
Pb-210	Pb-210	1.000E+00	1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-226	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Ra-228	Ra-228	1.000E+00	1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Ra-228	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00	1.000E+00	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01
0Th-230	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-232	Th-232	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
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*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors for Livestock (Meat) Fodder
Harvest Time = t - 1.78E-01 yr; Consumption Time = t - 5.48E-02 yr

OParent (i)	Product (j)	Branch Fraction*	CFLF(j,1,t)#								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
Pb-210	Pb-210	1.000E+00	1.000E+00	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01
0Ra-226	Ra-226	1.000E+00	1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
Ra-226	Pb-210	1.000E+00	1.000E+00	1.587E+00	1.163E+00	1.039E+00	1.007E+00	9.970E-01	9.962E-01	1.000E+00	1.000E+00
0Ra-228	Ra-228	1.000E+00	1.000E+00	9.853E-01	9.853E-01	9.853E-01	9.853E-01	9.853E-01	9.853E-01	9.853E-01	9.853E-01
Ra-228	Th-228	1.000E+00	1.000E+00	6.834E+00	2.741E+00	1.547E+00	1.237E+00	1.161E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00	1.000E+00	9.563E-01	9.563E-01	9.563E-01	9.563E-01	9.563E-01	9.563E-01	9.563E-01	9.563E-01
0Th-230	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00	1.000E+00	1.004E+00	1.001E+00	1.001E+00	1.001E+00	1.001E+00	1.001E+00	1.001E+00	1.001E+00
Th-230	Pb-210	1.000E+00	1.000E+00	2.219E+00	1.371E+00	1.130E+00	1.082E+00	1.080E+00	1.080E+00	1.080E+00	1.080E+00
0Th-232	Th-232	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00	1.000E+00	9.895E-01	9.869E-01	9.863E-01	9.862E-01	9.862E-01	9.862E-01	9.862E-01	9.862E-01
Th-232	Th-228	1.000E+00	1.000E+00	1.320E+01	5.058E+00	2.903E+00	2.678E+00	2.678E+00	2.678E+00	2.678E+00	2.678E+00
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Storage Time Correction Factors for Livestock (Milk) Fodder
Harvest Time = t - 1.26E-01 yr; Consumption Time = t - 2.74E-03 yr

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		1.000E+00	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01
0Ra-226	Ra-226	1.000E+00		1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
Ra-226	Pb-210	1.000E+00		1.000E+00	1.551E+00	1.160E+00	1.039E+00	1.006E+00	9.970E-01	9.962E-01	1.000E+00
0Ra-228	Ra-228	1.000E+00		1.000E+00	9.853E-01	9.853E-01	9.853E-01	9.853E-01	9.853E-01	9.853E-01	9.853E-01
Ra-228	Th-228	1.000E+00		1.000E+00	6.490E+00	2.711E+00	1.545E+00	1.237E+00	1.161E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.563E-01	9.563E-01	9.563E-01	9.563E-01	9.563E-01	9.563E-01	9.563E-01
0Th-230	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00		1.000E+00	1.004E+00	1.001E+00	1.001E+00	1.001E+00	1.001E+00	1.001E+00	1.001E+00
Th-230	Pb-210	1.000E+00		1.000E+00	2.147E+00	1.365E+00	1.129E+00	1.082E+00	1.080E+00	1.080E+00	1.080E+00
0Th-232	Th-232	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00		1.000E+00	9.893E-01	9.869E-01	9.863E-01	9.862E-01	9.862E-01	9.862E-01	9.862E-01
Th-232	Th-228	1.000E+00		1.000E+00	1.251E+01	4.999E+00	2.900E+00	2.678E+00	2.678E+00	2.678E+00	2.678E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors for Meat
Harvest Time = t - 5.48E-02 yr; Consumption Time = t yr

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		1.000E+00	9.983E-01	9.983E-01	9.983E-01	9.983E-01	9.983E-01	9.983E-01	9.983E-01
0Ra-226	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	Pb-210	1.000E+00		1.000E+00	1.142E+00	1.048E+00	1.012E+00	1.002E+00	9.986E-01	9.983E-01	1.000E+00
0Ra-228	Ra-228	1.000E+00		1.000E+00	9.934E-01	9.934E-01	9.934E-01	9.934E-01	9.934E-01	9.934E-01	9.934E-01
Ra-228	Th-228	1.000E+00		1.000E+00	2.659E+00	1.673E+00	1.236E+00	1.106E+00	1.072E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.804E-01	9.804E-01	9.804E-01	9.804E-01	9.804E-01	9.804E-01	9.804E-01
0Th-230	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00		1.000E+00	1.002E+00	1.001E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Pb-210	1.000E+00		1.000E+00	1.239E+00	1.100E+00	1.039E+00	1.025E+00	1.025E+00	1.025E+00	1.025E+00
0Th-232	Th-232	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00		1.000E+00	9.953E-01	9.942E-01	9.939E-01	9.939E-01	9.939E-01	9.939E-01	9.939E-01
Th-232	Th-228	1.000E+00		1.000E+00	3.538E+00	2.322E+00	1.732E+00	1.658E+00	1.658E+00	1.658E+00	1.658E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Storage Time Correction Factors for Milk

Harvest Time = t - 2.74E-03 yr; Consumption Time = t yr

OParent (i)	Product (j)	Branch Fraction*	CF45(j,2,t)#								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
Pb-210	Pb-210	1.000E+00	1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-226	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	Pb-210	1.000E+00	1.000E+00	1.017E+00	1.006E+00	1.002E+00	1.000E+00	9.999E-01	9.999E-01	1.000E+00	1.000E+00
0Ra-228	Ra-228	1.000E+00	1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Ra-228	Th-228	1.000E+00	1.000E+00	2.488E+00	1.609E+00	1.224E+00	1.109E+00	1.080E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00	1.000E+00	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01
0Th-230	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Pb-210	1.000E+00	1.000E+00	1.030E+00	1.013E+00	1.005E+00	1.003E+00	1.003E+00	1.003E+00	1.003E+00	1.003E+00
0Th-232	Th-232	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00	1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Th-232	Th-228	1.000E+00	1.000E+00	3.362E+00	2.213E+00	1.673E+00	1.606E+00	1.606E+00	1.606E+00	1.606E+00	1.606E+00
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*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors for Fish & Crustacea

Harvest Time = t - 1.92E-02 yr; Consumption Time = t yr

OParent (i)	Product (j)	Branch Fraction*	CFF(j,1,t)#								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
Pb-210	Pb-210	1.000E+00	1.000E+00	9.994E-01	9.994E-01	9.994E-01	9.994E-01	9.994E-01	9.994E-01	9.994E-01	9.994E-01
0Ra-226	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Ra-228	Ra-228	1.000E+00	1.000E+00	9.977E-01	9.977E-01	9.977E-01	9.977E-01	9.977E-01	9.977E-01	9.977E-01	9.977E-01
Ra-228	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00	1.000E+00	9.931E-01	9.931E-01	9.931E-01	9.931E-01	9.931E-01	9.931E-01	9.931E-01	9.931E-01
0Th-230	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-232	Th-232	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
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*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Area and Depth Factors for Plant (p=3), Meat (p=4), and Milk (p=5) Pathways
Overhead Irrigation (q=4)

Area Factor for Plant Foods [FA(3)] = 0.03

The Depth Factor Value
FD(i,p,q,t) = 1.0000E+00

is applicable for all radionuclides(i) and times(t).

0

Area and Depth Factors for Meat (p=4) and Milk (p=5) Pathways
Transfer from Livestock Water (q=5) and Soil (q=6) Intake

Area Factor for Meat and Milk [FA(p),p=4,5] = 0.30

The livestock water subpathway (q=5) and livestock soil intake subpathway (q=6)
occur only for the meat (p=4) and milk (p=5) pathways.

0

Area and Depth Factors for Meat (p=4) and Milk (p=5) Pathways
Transfer from Livestock Water (q=5) and Soil (q=6) Intake

Area Factor for Meat and Milk [FA(p),p=4,5] = 0.30

The livestock water subpathway (q=5) and livestock soil intake subpathway (q=6)
occur only for the meat (p=4) and milk (p=5) pathways.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose Conversion and Environmental Transport Factors for the Plant Food Pathway (p=3)

Subpathway: Root Uptake from Contaminated Soil (q=1)

0Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,1,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	1.389E+00	1.176E+00	8.346E-01	2.515E-01	8.171E-03	5.047E-08	6.559E-23	0.000E+00
0Ra-226	Ra-226	1.330E-03	5.554E+00	4.577E+00	3.065E+00	7.533E-01	1.366E-02	1.097E-08	4.189E-26	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	3.980E-02	7.705E-02	6.844E-02	5.090E-03	5.091E-08	6.993E-23	0.000E+00
0Ra-228	Ra-228	1.440E-03	5.554E+00	4.059E+00	2.138E+00	2.266E-01	3.720E-04	6.662E-14	6.920E-42	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	8.640E-02	8.085E-02	1.944E-02	6.146E-05	1.477E-14	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	1.389E-01	9.659E-02	4.674E-02	3.683E-03	2.590E-06	2.389E-17	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	1.389E-01	1.388E-01	1.386E-01	1.379E-01	1.361E-01	1.297E-01	1.125E-01	6.227E-02
Th-230	Ra-226	1.330E-03	0.000E+00	2.112E-03	5.374E-03	1.033E-02	1.177E-02	1.125E-02	9.759E-03	5.401E-03
Th-230	Pb-210	7.270E-03	0.000E+00	1.004E-05	6.321E-05	3.095E-04	5.354E-04	5.240E-04	4.545E-04	2.515E-04
0Th-232	Th-232	2.730E-03	1.389E-01	1.388E-01	1.386E-01	1.379E-01	1.361E-01	1.298E-01	1.128E-01	6.283E-02
Th-232	Ra-228	1.440E-03	0.000E+00	5.535E-01	1.275E+00	1.985E+00	2.043E+00	1.949E+00	1.694E+00	9.431E-01
Th-232	Th-228	8.080E-04	0.000E+00	9.300E-03	3.007E-02	6.907E-02	7.673E-02	7.321E-02	6.362E-02	3.543E-02
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* - The dose conversion factor units are mrem/pCi.

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Dose Conversion and Environmental Transport Factors for the Plant Food Pathway (p=3)

Subpathway: Foliar Uptake from Contaminated Dust (q=2)

0Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,2,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	2.664E-04	2.254E-04	1.600E-04	4.821E-05	1.566E-06	9.673E-12	1.257E-26	0.000E+00
0Ra-226	Ra-226	1.330E-03	2.664E-04	2.193E-04	1.468E-04	3.608E-05	6.544E-07	5.253E-13	2.007E-30	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	6.904E-06	1.428E-05	1.300E-05	9.736E-07	9.756E-12	1.341E-26	0.000E+00
0Ra-228	Ra-228	1.440E-03	2.664E-04	1.944E-04	1.024E-04	1.086E-05	1.782E-08	3.191E-18	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	6.860E-05	1.039E-04	3.188E-05	1.090E-07	2.674E-17	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	2.664E-04	1.853E-04	8.968E-05	7.067E-06	4.970E-09	4.584E-20	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	2.664E-04	2.663E-04	2.659E-04	2.647E-04	2.611E-04	2.489E-04	2.159E-04	1.195E-04
Th-230	Ra-226	1.330E-03	0.000E+00	1.051E-07	2.614E-07	4.987E-07	5.678E-07	5.427E-07	4.707E-07	2.605E-07
Th-230	Pb-210	7.270E-03	0.000E+00	1.592E-09	1.127E-08	5.769E-08	1.008E-07	9.867E-08	8.558E-08	4.736E-08
0Th-232	Th-232	2.730E-03	2.664E-04	2.663E-04	2.659E-04	2.647E-04	2.612E-04	2.491E-04	2.165E-04	1.206E-04
Th-232	Ra-228	1.440E-03	0.000E+00	2.762E-05	6.216E-05	9.619E-05	9.894E-05	9.439E-05	8.202E-05	4.568E-05
Th-232	Th-228	8.080E-04	0.000E+00	4.649E-06	2.724E-05	8.505E-05	9.837E-05	9.387E-05	8.157E-05	4.543E-05
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* - The dose conversion factor units are mrem/pCi.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose Conversion and Environmental Transport Factors for the Plant Food Pathway (p=3)

Subpathway: Ditch Irrigation (q=3)

0Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,3,t) * SF(j,t) (g/yr)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
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* - The dose conversion factor units are mrem/pCi.

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Dose Conversion and Environmental Transport Factors for the Plant Food Pathway (p=3)

Subpathway: Overhead Irrigation (q=4)

0Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,4,t) * SF(j,t) (g/yr)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
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* - The dose conversion factor units are mrem/pCi.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)

Subpathway: Fodder Root Uptake from Contaminated Soil (q=1)

Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,1,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	2.879E-01	2.487E-01	1.765E-01	5.320E-02	1.728E-03	1.067E-08	1.387E-23	0.000E+00
0Ra-226	Ra-226	1.330E-03	1.439E+00	1.221E+00	8.174E-01	2.009E-01	3.643E-03	2.924E-09	1.117E-26	0.000E+00
	Ra-226 Pb-210	7.270E-03	0.000E+00	1.208E-02	1.875E-02	1.508E-02	1.088E-03	1.078E-08	1.479E-23	0.000E+00
0Ra-228	Ra-228	1.440E-03	1.439E+00	1.082E+00	5.701E-01	6.043E-02	9.920E-05	1.776E-14	0.000E+00	0.000E+00
	Ra-228 Th-228	8.080E-04	0.000E+00	2.679E-02	1.503E-02	1.875E-03	3.843E-06	7.857E-16	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	3.599E-03	2.503E-03	1.211E-03	9.545E-05	6.714E-08	6.192E-19	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	3.599E-03	3.597E-03	3.592E-03	3.575E-03	3.527E-03	3.362E-03	2.916E-03	1.614E-03
	Th-230 Ra-226	1.330E-03	0.000E+00	4.744E-04	1.344E-03	2.666E-03	3.052E-03	2.917E-03	2.531E-03	1.400E-03
	Th-230 Pb-210	7.270E-03	0.000E+00	3.429E-06	1.729E-05	7.334E-05	1.223E-04	1.195E-04	1.036E-04	5.735E-05
0Th-232	Th-232	2.730E-03	3.599E-03	3.597E-03	3.592E-03	3.575E-03	3.528E-03	3.365E-03	2.924E-03	1.629E-03
	Th-232 Ra-228	1.440E-03	0.000E+00	1.232E-01	3.156E-01	5.052E-01	5.209E-01	4.969E-01	4.318E-01	2.405E-01
	Th-232 Th-228	8.080E-04	0.000E+00	3.004E-03	7.905E-03	1.322E-02	1.377E-02	1.314E-02	1.142E-02	6.358E-03
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* - The dose conversion factor units are mrem/pCi.

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Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)

Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)

Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,2,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	2.223E-04	1.921E-04	1.363E-04	4.109E-05	1.335E-06	8.244E-12	1.072E-26	0.000E+00
0Ra-226	Ra-226	1.330E-03	2.779E-04	2.357E-04	1.578E-04	3.879E-05	7.034E-07	5.647E-13	2.157E-30	0.000E+00
	Ra-226 Pb-210	7.270E-03	0.000E+00	5.970E-06	1.223E-05	1.109E-05	8.300E-07	8.315E-12	1.143E-26	0.000E+00
0Ra-228	Ra-228	1.440E-03	2.779E-04	2.090E-04	1.101E-04	1.167E-05	1.915E-08	3.430E-18	0.000E+00	0.000E+00
	Ra-228 Th-228	8.080E-04	0.000E+00	1.089E-05	1.281E-05	3.534E-06	1.172E-08	2.851E-18	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	2.779E-05	1.934E-05	9.356E-06	7.372E-07	5.185E-10	4.782E-21	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	2.779E-05	2.778E-05	2.774E-05	2.761E-05	2.724E-05	2.597E-05	2.252E-05	1.247E-05
	Th-230 Ra-226	1.330E-03	0.000E+00	1.067E-07	2.747E-07	5.299E-07	6.042E-07	5.774E-07	5.009E-07	2.772E-07
	Th-230 Pb-210	7.270E-03	0.000E+00	1.391E-09	9.698E-09	4.935E-08	8.610E-08	8.430E-08	7.312E-08	4.046E-08
0Th-232	Th-232	2.730E-03	2.779E-05	2.778E-05	2.774E-05	2.761E-05	2.725E-05	2.599E-05	2.259E-05	1.258E-05
	Th-232 Ra-228	1.440E-03	0.000E+00	2.794E-05	6.508E-05	1.017E-04	1.046E-04	9.983E-05	8.675E-05	4.831E-05
	Th-232 Th-228	8.080E-04	0.000E+00	9.801E-07	4.000E-06	1.068E-05	1.213E-05	1.157E-05	1.006E-05	5.600E-06
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* - The dose conversion factor units are mrem/pCi.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)

Subpathway: Ditch Irrigation (q=3)

0Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,3,t) * SF(j,t) (g/yr)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
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* - The dose conversion factor units are mrem/pCi.

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Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)

Subpathway: Overhead Irrigation (q=4)

0Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,4,t) * SF(j,t) (g/yr)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
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* - The dose conversion factor units are mrem/pCi.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)

Parent (i)	Product (j)	DCF(j,4)*	Subpathway: Livestock Water (q=5)								
			ETF(j,4,5,t) * SF(j,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
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* - The dose conversion factor units are mrem/pCi.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)

Subpathway: Fodder Root Uptake from Contaminated Soil (q=1)

0Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,1,t) (g/yr)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
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* - The dose conversion factor units are mrem/pCi.

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Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)

Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)

0Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,2,t) (g/yr)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
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* - The dose conversion factor units are mrem/pCi.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)

Subpathway: Ditch Irrigation (q=3)

0Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,3,t) * SF(j,t) (g/yr)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
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* - The dose conversion factor units are mrem/pCi.

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Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)

Subpathway: Overhead Irrigation (q=4)

0Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,4,t) * SF(j,t) (g/yr)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
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* - The dose conversion factor units are mrem/pCi.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)

		Subpathway: Livestock Water (q=5)										
Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,5,t) * SF(j,t) (g/yr)									
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	Ra-226 Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	Ra-228 Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	Th-230 Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	Th-230 Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	Th-232 Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	Th-232 Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
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* - The dose conversion factor units are mrem/pCi.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose Conversion and Environmental Transport Factors for the Fish Pathway (p=6)

0Parent (i)	Product (j)	DCF(j,6)*	ETF(j,6,t) * SF(j,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
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* - The dose conversion factor units are mrem/pCi.

Dose Conversion and Environmental Transport Factors for the Drinking Water Pathway (p=7)

0Parent (i)	Product (j)	DCF(j,7)*	ETF(j,7,t) * SF(j,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
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* - The dose conversion factor units are mrem/pCi.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)
Subpathway: Root Uptake from Contaminated Soil (q=1)
Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	DSR(j,3,1,t) (mrem/yr)/(pCi/g)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	9.316E-03	7.855E-03	5.576E-03	1.680E-03	5.459E-05	3.372E-10	4.382E-25	0.000E+00
ORa-226	Ra-226	1.000E+00	6.734E-03	5.517E-03	3.694E-03	9.079E-04	1.646E-05	1.322E-11	5.049E-29	0.000E+00
Ra-226	Pb-210	1.000E+00	1.650E-04	3.797E-04	5.910E-04	4.760E-04	3.435E-05	3.404E-10	4.672E-25	0.000E+00
Ra-226	\$DSR(j)		6.899E-03	5.896E-03	4.285E-03	1.384E-03	5.081E-05	3.536E-10	4.673E-25	0.000E+00
ORa-228	Ra-228	1.000E+00	6.883E-03	5.001E-03	2.634E-03	2.792E-04	4.583E-07	8.207E-17	9.809E-45	0.000E+00
Ra-228	Th-228	1.000E+00	5.645E-05	7.102E-05	6.135E-05	1.387E-05	4.279E-08	1.021E-17	0.000E+00	0.000E+00
Ra-228	\$DSR(j)		6.940E-03	5.072E-03	2.695E-03	2.931E-04	5.011E-07	9.228E-17	9.809E-45	0.000E+00
0Th-228	Th-228	1.000E+00	9.409E-05	6.545E-05	3.167E-05	2.495E-06	1.755E-09	1.619E-20	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	7.607E-05	7.602E-05	7.591E-05	7.556E-05	7.454E-05	7.106E-05	6.164E-05	3.411E-05
Th-230	Ra-226	1.000E+00	1.413E-06	4.042E-06	7.971E-06	1.394E-05	1.566E-05	1.496E-05	1.297E-05	7.179E-06
Th-230	Pb-210	1.000E+00	2.690E-08	1.491E-07	5.854E-07	2.354E-06	3.899E-06	3.808E-06	3.303E-06	1.828E-06
Th-230	\$DSR(j)		7.751E-05	8.021E-05	8.447E-05	9.185E-05	9.410E-05	8.983E-05	7.791E-05	4.311E-05
0Th-232	Th-232	1.000E+00	3.789E-04	3.787E-04	3.782E-04	3.764E-04	3.715E-04	3.543E-04	3.079E-04	1.714E-04
Th-232	Ra-228	1.000E+00	4.088E-04	1.114E-03	2.002E-03	2.875E-03	2.941E-03	2.806E-03	2.438E-03	1.357E-03
Th-232	Th-228	1.000E+00	3.464E-06	1.178E-05	2.807E-05	5.666E-05	6.198E-05	5.914E-05	5.138E-05	2.861E-05
Th-232	\$DSR(j)		7.912E-04	1.505E-03	2.408E-03	3.309E-03	3.375E-03	3.219E-03	2.797E-03	1.558E-03

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
\$ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)

Subpathway: Foliar Uptake from Contaminated Dust (q=2)

Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	DSR (j,3,2,t) (mrem/yr)/(pCi/g)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
Pb-210	Pb-210	1.000E+00	1.786E-06	1.506E-06	1.069E-06	3.221E-07	1.046E-08	6.463E-14	8.400E-29	0.000E+00	
ORa-226	Ra-226	1.000E+00	3.226E-07	2.642E-07	1.769E-07	4.348E-08	7.886E-10	6.331E-16	2.418E-33	0.000E+00	
Ra-226	Pb-210	1.000E+00	2.672E-08	6.800E-08	1.101E-07	9.045E-08	6.570E-09	6.523E-14	8.956E-29	0.000E+00	
Ra-226	\$DSR(j)		3.493E-07	3.322E-07	2.870E-07	1.339E-07	7.359E-09	6.587E-14	8.956E-29	0.000E+00	
ORa-228	Ra-228	1.000E+00	3.298E-07	2.395E-07	1.262E-07	1.337E-08	2.195E-11	3.931E-21	0.000E+00	0.000E+00	
Ra-228	Th-228	1.000E+00	3.116E-08	6.909E-08	8.234E-08	2.287E-08	7.594E-11	1.849E-20	0.000E+00	0.000E+00	
Ra-228	\$DSR(j)		3.609E-07	3.086E-07	2.085E-07	3.624E-08	9.789E-11	2.242E-20	0.000E+00	0.000E+00	
0Th-228	Th-228	1.000E+00	1.805E-07	1.256E-07	6.077E-08	4.788E-09	3.368E-12	3.106E-23	0.000E+00	0.000E+00	
0Th-230	Th-230	1.000E+00	1.460E-07	1.459E-07	1.457E-07	1.450E-07	1.430E-07	1.364E-07	1.183E-07	6.544E-08	
Th-230	Ra-226	1.000E+00	7.224E-11	1.989E-10	3.871E-10	6.728E-10	7.551E-10	7.215E-10	6.258E-10	3.463E-10	
Th-230	Pb-210	1.000E+00	3.982E-12	2.510E-11	1.053E-10	4.391E-10	7.338E-10	7.171E-10	6.219E-10	3.441E-10	
Th-230	\$DSR(j)		1.460E-07	1.461E-07	1.462E-07	1.461E-07	1.445E-07	1.378E-07	1.195E-07	6.613E-08	
0Th-232	Th-232	1.000E+00	7.271E-07	7.267E-07	7.257E-07	7.223E-07	7.128E-07	6.799E-07	5.908E-07	3.290E-07	
Th-232	Ra-228	1.000E+00	2.094E-08	5.496E-08	9.749E-08	1.393E-07	1.424E-07	1.359E-07	1.181E-07	6.574E-08	
Th-232	Th-228	1.000E+00	1.326E-09	7.686E-09	2.701E-08	7.014E-08	7.946E-08	7.582E-08	6.588E-08	3.669E-08	
Th-232	\$DSR(j)		7.494E-07	7.893E-07	8.502E-07	9.318E-07	9.347E-07	8.916E-07	7.747E-07	4.314E-07	

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).

\$ is used to indicate summation; the Greek sigma is not included in this font.

The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)

Subpathway: Ditch Irrigation (q=3)

Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	DSR (j,3,3,t) (mrem/yr) / (pCi/g)										
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03			
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).

\$ is used to indicate summation; the Greek sigma is not included in this font.

The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)

Subpathway: Overhead Irrigation (q=4)

Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	DSR (j,3,4,t) (mrem/yr)/(pCi/g)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).

\$ is used to indicate summation; the Greek sigma is not included in this font.

The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)

Total for All Subpathways

Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		9.318E-03	7.857E-03	5.577E-03	1.681E-03	5.460E-05	3.372E-10	4.383E-25	0.000E+00
ORa-226	Ra-226	1.000E+00		6.734E-03	5.517E-03	3.694E-03	9.079E-04	1.647E-05	1.322E-11	5.049E-29	0.000E+00
Ra-226	Pb-210	1.000E+00		1.651E-04	3.797E-04	5.911E-04	4.761E-04	3.436E-05	3.405E-10	4.673E-25	0.000E+00
Ra-226	\$DSR(j)			6.899E-03	5.897E-03	4.285E-03	1.384E-03	5.082E-05	3.537E-10	4.674E-25	0.000E+00
ORa-228	Ra-228	1.000E+00		6.884E-03	5.001E-03	2.634E-03	2.792E-04	4.583E-07	8.208E-17	9.809E-45	0.000E+00
Ra-228	Th-228	1.000E+00		5.648E-05	7.109E-05	6.144E-05	1.389E-05	4.286E-08	1.023E-17	0.000E+00	0.000E+00
Ra-228	\$DSR(j)			6.940E-03	5.072E-03	2.695E-03	2.931E-04	5.012E-07	9.231E-17	9.809E-45	0.000E+00
0Th-228	Th-228	1.000E+00		9.427E-05	6.557E-05	3.173E-05	2.500E-06	1.759E-09	1.622E-20	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00		7.621E-05	7.616E-05	7.606E-05	7.570E-05	7.469E-05	7.120E-05	6.175E-05	3.417E-05
Th-230	Ra-226	1.000E+00		1.414E-06	4.042E-06	7.972E-06	1.394E-05	1.566E-05	1.496E-05	1.298E-05	7.180E-06
Th-230	Pb-210	1.000E+00		2.690E-08	1.491E-07	5.855E-07	2.354E-06	3.900E-06	3.809E-06	3.304E-06	1.828E-06
Th-230	\$DSR(j)			7.765E-05	8.035E-05	8.462E-05	9.199E-05	9.424E-05	8.997E-05	7.803E-05	4.318E-05
0Th-232	Th-232	1.000E+00		3.797E-04	3.794E-04	3.789E-04	3.772E-04	3.722E-04	3.550E-04	3.085E-04	1.718E-04
Th-232	Ra-228	1.000E+00		4.088E-04	1.114E-03	2.002E-03	2.876E-03	2.941E-03	2.806E-03	2.438E-03	1.358E-03
Th-232	Th-228	1.000E+00		3.465E-06	1.179E-05	2.810E-05	5.673E-05	6.206E-05	5.921E-05	5.145E-05	2.865E-05
Th-232	\$DSR(j)			7.920E-04	1.505E-03	2.409E-03	3.310E-03	3.375E-03	3.220E-03	2.798E-03	1.558E-03

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).

\$ is used to indicate summation; the Greek sigma is not included in this font.

The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)
Subpathway: Fodder Root Uptake from Contaminated Soil (q=1)
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		1.964E-03	1.662E-03	1.179E-03	3.555E-04	1.155E-05	7.132E-11	9.269E-26	0.000E+00
0Ra-226	Ra-226	1.000E+00		1.788E-03	1.471E-03	9.851E-04	2.421E-04	4.390E-06	3.524E-12	1.346E-29	0.000E+00
Ra-226	Pb-210	1.000E+00		5.970E-05	1.044E-04	1.412E-04	1.046E-04	7.338E-06	7.206E-11	9.883E-26	0.000E+00
Ra-226	\$DSR(j)			1.847E-03	1.575E-03	1.126E-03	3.467E-04	1.173E-05	7.558E-11	9.884E-26	0.000E+00
0Ra-228	Ra-228	1.000E+00		1.827E-03	1.334E-03	7.023E-04	7.445E-05	1.222E-07	2.189E-17	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00		2.095E-05	1.881E-05	1.053E-05	1.307E-06	2.664E-09	5.432E-19	0.000E+00	0.000E+00
Ra-228	\$DSR(j)			1.848E-03	1.352E-03	7.129E-04	7.576E-05	1.249E-07	2.243E-17	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		2.439E-06	1.696E-06	8.208E-07	6.468E-08	4.549E-11	4.196E-22	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00		1.972E-06	1.970E-06	1.968E-06	1.958E-06	1.932E-06	1.842E-06	1.598E-06	8.840E-07
Th-230	Ra-226	1.000E+00		2.760E-07	9.600E-07	2.008E-06	3.599E-06	4.059E-06	3.879E-06	3.364E-06	1.862E-06
Th-230	Pb-210	1.000E+00		9.347E-09	4.643E-08	1.559E-07	5.560E-07	8.904E-07	8.684E-07	7.532E-07	4.168E-07
Th-230	\$DSR(j)			2.257E-06	2.977E-06	4.131E-06	6.114E-06	6.882E-06	6.589E-06	5.715E-06	3.162E-06
0Th-232	Th-232	1.000E+00		9.822E-06	9.815E-06	9.802E-06	9.757E-06	9.628E-06	9.184E-06	7.980E-06	4.444E-06
Th-232	Ra-228	1.000E+00		7.898E-05	2.621E-04	4.989E-04	7.319E-04	7.499E-04	7.153E-04	6.216E-04	3.461E-04
Th-232	Th-228	1.000E+00		1.040E-06	3.614E-06	7.050E-06	1.076E-05	1.112E-05	1.061E-05	9.221E-06	5.135E-06
Th-232	\$DSR(j)			8.984E-05	2.755E-04	5.157E-04	7.524E-04	7.706E-04	7.351E-04	6.388E-04	3.557E-04

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
\$ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)
Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		1.517E-06	1.283E-06	9.109E-07	2.745E-07	8.919E-09	5.508E-14	7.159E-29	0.000E+00
0Ra-226	Ra-226	1.000E+00		3.452E-07	2.840E-07	1.902E-07	4.674E-08	8.477E-10	6.805E-16	2.600E-33	0.000E+00
Ra-226	Pb-210	1.000E+00		2.334E-08	5.852E-08	9.420E-08	7.718E-08	5.601E-09	5.560E-14	7.633E-29	0.000E+00
Ra-226	\$DSR(j)			3.685E-07	3.426E-07	2.844E-07	1.239E-07	6.449E-09	5.628E-14	7.633E-29	0.000E+00
0Ra-228	Ra-228	1.000E+00		3.528E-07	2.575E-07	1.356E-07	1.438E-08	2.360E-11	4.226E-21	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00		6.212E-09	9.787E-09	9.948E-09	2.529E-09	8.159E-12	1.971E-21	0.000E+00	0.000E+00
Ra-228	\$DSR(j)			3.590E-07	2.673E-07	1.456E-07	1.691E-08	3.176E-11	6.197E-21	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		1.883E-08	1.310E-08	6.339E-09	4.995E-10	3.514E-13	3.241E-24	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00		1.523E-08	1.522E-08	1.520E-08	1.513E-08	1.492E-08	1.423E-08	1.234E-08	6.828E-09
Th-230	Ra-226	1.000E+00		7.044E-11	2.054E-10	4.078E-10	7.149E-10	8.035E-10	7.677E-10	6.659E-10	3.685E-10
Th-230	Pb-210	1.000E+00		3.499E-12	2.177E-11	9.054E-11	3.756E-10	6.270E-10	6.126E-10	5.314E-10	2.940E-10
Th-230	\$DSR(j)			1.530E-08	1.544E-08	1.570E-08	1.622E-08	1.635E-08	1.561E-08	1.354E-08	7.490E-09
0Th-232	Th-232	1.000E+00		7.586E-08	7.581E-08	7.571E-08	7.536E-08	7.436E-08	7.093E-08	6.163E-08	3.432E-08
Th-232	Ra-228	1.000E+00		2.035E-08	5.657E-08	1.023E-07	1.473E-07	1.506E-07	1.437E-07	1.249E-07	6.953E-08
Th-232	Th-228	1.000E+00		3.346E-10	1.365E-09	3.839E-09	8.789E-09	9.795E-09	9.347E-09	8.122E-09	4.522E-09
Th-232	\$DSR(j)			9.654E-08	1.337E-07	1.818E-07	2.314E-07	2.348E-07	2.240E-07	1.946E-07	1.084E-07

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The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)

Subpathway: Ditch Irrigation (q=3)

Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).

\$ is used to indicate summation; the Greek sigma is not included in this font.

The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)

Subpathway: Overhead Irrigation (q=4)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).

\$ is used to indicate summation; the Greek sigma is not included in this font.

The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)

Subpathway: Livestock Water (q=5)

Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	DSR (j, 4, 5, t) (mrem/yr) / (pCi/g)										
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03			
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
\$ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)
Total for All Subpathways
Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		4.338E-03	3.664E-03	2.601E-03	7.839E-04	2.547E-05	1.573E-10	2.044E-25	0.000E+00
ORa-226	Ra-226	1.000E+00		2.324E-03	1.911E-03	1.280E-03	3.145E-04	5.703E-06	4.579E-12	1.749E-29	0.000E+00
Ra-226	Pb-210	1.000E+00		9.608E-05	1.957E-04	2.881E-04	2.251E-04	1.608E-05	1.588E-10	2.179E-25	0.000E+00
Ra-226	\$DSR(j)			2.420E-03	2.107E-03	1.568E-03	5.396E-04	2.178E-05	1.634E-10	2.180E-25	0.000E+00
ORa-228	Ra-228	1.000E+00		2.376E-03	1.732E-03	9.124E-04	9.672E-05	1.588E-07	2.843E-17	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00		3.068E-05	3.423E-05	2.626E-05	5.316E-06	1.561E-08	3.671E-18	0.000E+00	0.000E+00
Ra-228	\$DSR(j)			2.406E-03	1.767E-03	9.387E-04	1.020E-04	1.744E-07	3.210E-17	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		3.234E-05	2.250E-05	1.089E-05	8.577E-07	6.033E-10	5.564E-21	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00		2.615E-05	2.613E-05	2.609E-05	2.597E-05	2.562E-05	2.443E-05	2.119E-05	1.172E-05
Th-230	Ra-226	1.000E+00		3.855E-07	1.279E-06	2.640E-06	4.707E-06	5.305E-06	5.069E-06	4.396E-06	2.433E-06
Th-230	Pb-210	1.000E+00		1.480E-08	8.036E-08	2.971E-07	1.142E-06	1.869E-06	1.824E-06	1.582E-06	8.755E-07
Th-230	\$DSR(j)			2.655E-05	2.749E-05	2.903E-05	3.182E-05	3.280E-05	3.132E-05	2.716E-05	1.503E-05
0Th-232	Th-232	1.000E+00		1.303E-04	1.302E-04	1.300E-04	1.294E-04	1.277E-04	1.218E-04	1.058E-04	5.893E-05
Th-232	Ra-228	1.000E+00		1.106E-04	3.498E-04	6.575E-04	9.602E-04	9.834E-04	9.381E-04	8.151E-04	4.539E-04
Th-232	Th-228	1.000E+00		1.563E-06	5.757E-06	1.310E-05	2.464E-05	2.661E-05	2.538E-05	2.206E-05	1.228E-05
Th-232	\$DSR(j)			2.424E-04	4.857E-04	8.006E-04	1.114E-03	1.138E-03	1.085E-03	9.430E-04	5.251E-04

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
\$ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)

Subpathway: Fodder Root Uptake from Contaminated Soil (q=1)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	DSR(j,5,1,t) (mrem/yr)/(pCi/g)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).

\$ is used to indicate summation; the Greek sigma is not included in this font.

The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)
Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)
Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
\$ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)

Subpathway: Ditch Irrigation (q=3)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).

\$ is used to indicate summation; the Greek sigma is not included in this font.

The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)
Subpathway: Overhead Irrigation (q=4)
Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
\$ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)
Subpathway: Livestock Water (q=5)
Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
\$ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)

Total for All Subpathways

Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).

\$ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from the Ingestion of Fish (p=6)
Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	DSR(j,6,t) (mrem/yr) / (pCi/g)											
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03			
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-226	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-228	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-232	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
 \$ is used to indicate summation; the Greek sigma is not included in this font.
 The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose/Source Ratios for Internal Radiation from the Ingestion of Drinking Water (p=7)
Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	DSR(j,7,t) (mrem/yr) / (pCi/g)											
				0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03				
Pb-210	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-226	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-226	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-228	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-232	Ra-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-232	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-232	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
 \$ is used to indicate summation; the Greek sigma is not included in this font.
 The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Plant/Air and Plant/Water Concentration Ratios

0 Mass Loading [ASR(3)]: 1.000E-04 g/m**3
Area Factor for Mass Loading [FA(2)]: 1.617E-01

0Nuclide (i)	FAR(i,3,2,1) m**3/g	FAR(i,3,2,2) m**3/g	FWR(i,3,3,1) L/g	FWR(i,3,3,2) L/g	FWR(i,3,4,1) L/g	FWR(i,3,4,2) L/g
Pb-210	5.4545E-02	2.6156E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-226	5.4545E-02	2.6156E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-228	5.4545E-02	2.6156E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-228	5.4545E-02	2.6156E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-230	5.4545E-02	2.6156E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-232	5.4545E-02	2.6156E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

=====

FAR(i,p,q,k) is the plant/air concentration ratio for airborne contaminated dust, and FWR(i,p,q,k) is the plant/water concentration ratio. See groundwater displays for water/soil concentration ratios.

0 Plant/Soil Concentration Ratios, FSR(i,3,q,k,t)

0 Root Uptake (q=1) and Foliar Dust Deposition (q=2)

0 Nonleafy (k=1) and/or Leafy (k=2) Vegetables

0 Nuclide (i)	Parent	Product	FSR(i,3,1,k)	FSR(i,3,2,1)	FSR(i,3,2,2)
0 Pb-210	Pb-210	Pb-210	1.0000E-02	8.8198E-07	4.2293E-06
0 Ra-226	Ra-226	Ra-226	4.0000E-02	8.8198E-07	4.2293E-06
0 Ra-226	Pb-210	Pb-210	1.0000E-02	8.8198E-07	4.2293E-06
0 Ra-228	Ra-228	Ra-228	4.0000E-02	8.8198E-07	4.2293E-06
0 Ra-228	Th-228	Th-228	1.0000E-03	8.8198E-07	4.2293E-06
0 Th-228	Th-228	Th-228	1.0000E-03	8.8198E-07	4.2293E-06
0 Th-230	Th-230	Th-230	1.0000E-03	8.8198E-07	4.2293E-06
0 Th-230	Ra-226	Ra-226	4.0000E-02	8.8198E-07	4.2293E-06
0 Th-230	Pb-210	Pb-210	1.0000E-02	8.8198E-07	4.2293E-06
0 Th-232	Th-232	Th-232	1.0000E-03	8.8198E-07	4.2293E-06
0 Th-232	Ra-228	Ra-228	4.0000E-02	8.8198E-07	4.2293E-06
0 Th-232	Th-228	Th-228	1.0000E-03	8.8198E-07	4.2293E-06

=====

Source Terms, Factors, and Parameters for Pathways:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario

File:

SurfSoil Composite Recreationist.RAD

Meat/Fodder, Milk/Fodder, Fodder/Air and Fodder/Water Concentration Ratios

ONuclide (i)	FQR(i,4) d/kg	FQR(i,5) d/kg	FAR(i,3,2,3) m**3/g	FWR(i,3,3,3) L/g	FWR(i,3,4,3) L/g
Pb-210	8.0000E-04	3.0000E-04	2.8659E-01	0.0000E+00	0.0000E+00
Ra-226	1.0000E-03	1.0000E-03	2.8659E-01	0.0000E+00	0.0000E+00
Ra-228	1.0000E-03	1.0000E-03	2.8659E-01	0.0000E+00	0.0000E+00
Th-228	1.0000E-04	5.0000E-06	2.8659E-01	0.0000E+00	0.0000E+00
Th-230	1.0000E-04	5.0000E-06	2.8659E-01	0.0000E+00	0.0000E+00
Th-232	1.0000E-04	5.0000E-06	2.8659E-01	0.0000E+00	0.0000E+00

FI(p,q) are the fodder (q=1,2,3,4), livestock water (q=5) and soil (q=6) intake rates;
 FQR(i,p) are the transfer coefficients from contaminated fodder of livestock
 water to meat (p=4) or milk (p=5). FAR(i,3,2,3) are the fodder/air
 concentration ratios, and FWR(i,3,3,3) and FWR(i,3,4,3) are the fodder/
 water concentration ratios for ditch and overhead irrigation, respectively.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

		Dose/Source Ratios for Soil Ingestion Pathway (p=8)										
		Parent and Progeny Principal Radionuclide Contributions Indicated										
OParent	Product	Branch	DSR(j,8,t) (mrem/yr) / (pCi/g)									
(i)	(j)	Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
Pb-210	Pb-210	1.000E+00		1.626E-04	1.370E-04	9.726E-05	2.931E-05	9.522E-07	5.881E-12	7.643E-27	0.000E+00	
ORa-226	Ra-226	1.000E+00		2.933E-05	2.400E-05	1.607E-05	3.950E-06	7.164E-08	5.751E-14	2.197E-31	0.000E+00	
Ra-226	Pb-210	1.000E+00		2.432E-06	6.187E-06	1.002E-05	8.230E-06	5.978E-07	5.936E-12	8.149E-27	0.000E+00	
Ra-226	\$DSR(j)			3.176E-05	3.019E-05	2.609E-05	1.218E-05	6.695E-07	5.993E-12	8.150E-27	0.000E+00	
ORa-228	Ra-228	1.000E+00		2.999E-05	2.176E-05	1.146E-05	1.215E-06	1.994E-09	3.571E-19	0.000E+00	0.000E+00	
Ra-228	Th-228	1.000E+00		2.846E-06	6.311E-06	7.522E-06	2.089E-06	6.937E-09	1.689E-18	0.000E+00	0.000E+00	
Ra-228	\$DSR(j)			3.283E-05	2.807E-05	1.898E-05	3.304E-06	8.931E-09	2.046E-18	0.000E+00	0.000E+00	
0Th-228	Th-228	1.000E+00		1.649E-05	1.147E-05	5.551E-06	4.374E-07	3.076E-10	2.837E-21	0.000E+00	0.000E+00	
0Th-230	Th-230	1.000E+00		1.333E-05	1.332E-05	1.331E-05	1.324E-05	1.307E-05	1.246E-05	1.080E-05	5.978E-06	
Th-230	Ra-226	1.000E+00		6.564E-09	1.807E-08	3.517E-08	6.112E-08	6.860E-08	6.554E-08	5.685E-08	3.146E-08	
Th-230	Pb-210	1.000E+00		3.621E-10	2.284E-09	9.584E-09	3.996E-08	6.677E-08	6.525E-08	5.659E-08	3.131E-08	
Th-230	\$DSR(j)			1.334E-05	1.334E-05	1.335E-05	1.335E-05	1.320E-05	1.259E-05	1.092E-05	6.041E-06	
0Th-232	Th-232	1.000E+00		6.642E-05	6.638E-05	6.629E-05	6.598E-05	6.511E-05	6.211E-05	5.397E-05	3.005E-05	
Th-232	Ra-228	1.000E+00		1.903E-06	4.993E-06	8.857E-06	1.266E-05	1.294E-05	1.234E-05	1.073E-05	5.972E-06	
Th-232	Th-228	1.000E+00		1.210E-07	7.020E-07	2.467E-06	6.406E-06	7.258E-06	6.926E-06	6.018E-06	3.351E-06	
Th-232	\$DSR(j)			6.845E-05	7.207E-05	7.762E-05	8.505E-05	8.531E-05	8.138E-05	7.071E-05	3.937E-05	

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
\$ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Source Terms, Factors, and Parameters for Pathways:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Dose Conversion and Environmental Transport Factors for the Soil Ingestion Pathway (p=8)

Parent (i)	Product (j)	DCF(j,8)*	ETF(j,8,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
0Ra-226	Ra-226	1.330E-03	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
Ra-226	Pb-210	7.270E-03	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
0Ra-228	Ra-228	1.440E-03	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
Ra-228	Th-228	8.080E-04	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
0Th-228	Th-228	8.080E-04	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
0Th-230	Th-230	5.480E-04	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
Th-230	Ra-226	1.330E-03	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
Th-230	Pb-210	7.270E-03	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
0Th-232	Th-232	2.730E-03	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
Th-232	Ra-228	1.440E-03	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
Th-232	Th-228	8.080E-04	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

* - The dose conversion factor units are mrem/pCi.

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Time= 1.000E+01	13
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Time= 3.000E+02	22
Time= 1.000E+03	25

Cancer Risk Slope Factors Summary Table
 Risk Library: FGR 13 Morbidity

0 Menu	Parameter	Current Value	Default	Parameter Name
Sf-1	Ground external radiation slope factors, 1/yr per (pCi/g):			
Sf-1	Pb-210+D	4.21E-09	4.21E-09	SLPF(1,1)
Sf-1	Ra-226+D	8.49E-06	8.49E-06	SLPF(2,1)
Sf-1	Ra-228+D	4.53E-06	4.53E-06	SLPF(3,1)
Sf-1	Th-228+D	7.79E-06	7.79E-06	SLPF(4,1)
Sf-1	Th-230	8.18E-10	8.18E-10	SLPF(5,1)
Sf-1	Th-232	3.42E-10	3.42E-10	SLPF(6,1)
Sf-2	Inhalation, slope factors, 1/(pCi):			
Sf-2	Pb-210+D	3.08E-08	3.08E-08	SLPF(1,2)
Sf-2	Ra-226+D	2.82E-08	2.82E-08	SLPF(2,2)
Sf-2	Ra-228+D	4.37E-08	4.37E-08	SLPF(3,2)
Sf-2	Th-228+D	3.58E-07	3.58E-07	SLPF(4,2)
Sf-2	Th-230	3.40E-08	3.40E-08	SLPF(5,2)
Sf-2	Th-232	4.33E-08	4.33E-08	SLPF(6,2)
Sf-3	Food ingestion, slope factors, 1/(pCi):			
Sf-3	Pb-210+D	3.44E-09	3.44E-09	SLPF(1,3)
Sf-3	Ra-226+D	5.14E-10	5.14E-10	SLPF(2,3)
Sf-3	Ra-228+D	1.43E-09	1.43E-09	SLPF(3,3)
Sf-3	Th-228+D	4.22E-10	4.22E-10	SLPF(4,3)
Sf-3	Th-230	1.19E-10	1.19E-10	SLPF(5,3)
Sf-3	Th-232	1.33E-10	1.33E-10	SLPF(6,3)
Sf-3	Water ingestion, slope factors, 1/(pCi):			
Sf-3	Pb-210+D	2.66E-09	2.66E-09	SLPF(1,4)
Sf-3	Ra-226+D	3.85E-10	3.85E-10	SLPF(2,4)
Sf-3	Ra-228+D	1.04E-09	1.04E-09	SLPF(3,4)
Sf-3	Th-228+D	3.00E-10	3.00E-10	SLPF(4,4)
Sf-3	Th-230	9.10E-11	9.10E-11	SLPF(5,4)
Sf-3	Th-232	1.01E-10	1.01E-10	SLPF(6,4)
Sf-3	Soil ingestion, slope factors, 1/(pCi):			
Sf-3	Pb-210+D	3.44E-09	3.44E-09	SLPF(1,5)
Sf-3	Ra-226+D	5.14E-10	5.14E-10	SLPF(2,5)
Sf-3	Ra-228+D	1.43E-09	1.43E-09	SLPF(3,5)
Sf-3	Th-228+D	4.22E-10	4.22E-10	SLPF(4,5)
Sf-3	Th-230	1.19E-10	1.19E-10	SLPF(5,5)
Sf-3	Th-232	1.33E-10	1.33E-10	SLPF(6,5)
Sf-Rn	Radon Inhalation slope factors, 1/(pCi):			
Sf-Rn	Rn-222	1.80E-12	1.80E-12	SLPFRN(1,1)
Sf-Rn	Po-218	3.70E-12	3.70E-12	SLPFRN(1,2)
Sf-Rn	Pb-214	6.20E-12	6.20E-12	SLPFRN(1,3)
Sf-Rn	Bi-214	1.50E-11	1.50E-11	SLPFRN(1,4)
Sf-Rn	Rn-220	1.90E-13	1.90E-13	SLPFRN(2,1)
Sf-Rn	Po-216	3.00E-15	3.00E-15	SLPFRN(2,2)
Sf-Rn	Pb-212	3.90E-11	3.90E-11	SLPFRN(2,3)
Sf-Rn	Bi-212	3.70E-11	3.70E-11	SLPFRN(2,4)

Cancer Risk Slope Factors Summary Table (continued)

Risk Library: FGR 13 Morbidity

Menu	Parameter	Current Value	Default	Parameter Name
Sf-Rn	Radon K factors, (mrem/WLM) :			
Sf-Rn	Rn-222 Indoor	7.60E+02	7.60E+02	KFACTR(1,1)
Sf-Rn	Rn-222 Outdoor	5.70E+02	5.70E+02	KFACTR(1,2)
Sf-Rn	Rn-220 Indoor	1.50E+02	1.50E+02	KFACTR(2,1)
Sf-Rn	Rn-220 Outdoor	2.50E+02	2.50E+02	KFACTR(2,2)

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Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As pCi/yr at t= 0.000E+00 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	2.005E-03	1.542E+01	7.114E+00	0.000E+00	2.702E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.280E+01
Ra-226	4.408E-03	1.355E+02	4.589E+01	0.000E+00	5.939E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.820E+02
Ra-228	6.447E-02	1.982E+03	6.712E+02	0.000E+00	8.687E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.662E+03
Th-228	6.447E-02	4.965E+01	1.703E+01	0.000E+00	8.687E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.537E+01
Th-230	2.002E-01	1.542E+02	5.290E+01	0.000E+00	2.698E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.341E+02
Th-232	6.447E-02	4.965E+01	1.703E+01	0.000E+00	8.687E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.537E+01

* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil
 and water-dependent water, fish, plant, meat, milk pathways

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of
 Radon and its Decay Products as pCi/yr at t= 0.000E+00 years
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent Water-dep. == Water-dependent

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 0.000E+00 years

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.576E-08	0.0000	1.853E-09	0.0000	1.591E-06	0.0024	7.342E-07	0.0011	0.000E+00	0.0000	2.788E-08	0.0000
Ra-226	2.494E-05	0.0379	3.729E-09	0.0000	2.090E-06	0.0032	7.076E-07	0.0011	0.000E+00	0.0000	9.157E-09	0.0000
Ra-228	2.027E-04	0.3076	8.452E-08	0.0001	8.504E-05	0.1291	2.880E-05	0.0437	0.000E+00	0.0000	3.727E-07	0.0006
Th-228	3.085E-04	0.4682	6.924E-07	0.0011	6.286E-07	0.0010	2.156E-07	0.0003	0.000E+00	0.0000	1.100E-07	0.0002
Th-230	2.417E-07	0.0004	2.043E-07	0.0003	5.505E-07	0.0008	1.889E-07	0.0003	0.000E+00	0.0000	9.632E-08	0.0001
Th-232	3.904E-08	0.0001	8.375E-08	0.0001	1.981E-07	0.0003	6.796E-08	0.0001	0.000E+00	0.0000	3.466E-08	0.0001
Total	5.364E-04	0.8140	1.071E-06	0.0016	9.010E-05	0.1367	3.071E-05	0.0466	0.000E+00	0.0000	6.506E-07	0.0010

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 0.000E+00 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.371E-06	0.0036
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.775E-05	0.0421
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.169E-04	0.4810
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.101E-04	0.4707
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.282E-06	0.0019
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.235E-07	0.0006
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.589E-04	1.0000

** Sum of water independent ground, inhalation, plant, meat, milk, soil
 and water dependent water, fish, plant, meat, milk pathways

0

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of
 Radon and its Decay Products at t= 0.000E+00 years
 Radionuclides

0

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
===== Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent Water-dep. == Water-dependent

0

Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 0.000E+00 years

0

0

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.576E-08	0.0000	1.853E-09	0.0000	0.000E+00	0.0000	1.591E-06	0.0024	7.342E-07	0.0011	0.000E+00	0.0000	2.788E-08	0.0000
Ra-226	2.494E-05	0.0379	3.729E-09	0.0000	0.000E+00	0.0000	2.090E-06	0.0032	7.076E-07	0.0011	0.000E+00	0.0000	9.157E-09	0.0000
Ra-228	2.027E-04	0.3076	8.452E-08	0.0001	0.000E+00	0.0000	8.504E-05	0.1291	2.880E-05	0.0437	0.000E+00	0.0000	3.727E-07	0.0006
Th-228	3.085E-04	0.4682	6.924E-07	0.0011	0.000E+00	0.0000	6.286E-07	0.0010	2.156E-07	0.0003	0.000E+00	0.0000	1.100E-07	0.0002
Th-230	2.417E-07	0.0004	2.043E-07	0.0003	0.000E+00	0.0000	5.505E-07	0.0008	1.889E-07	0.0003	0.000E+00	0.0000	9.632E-08	0.0001
Th-232	3.904E-08	0.0001	8.375E-08	0.0001	0.000E+00	0.0000	1.981E-07	0.0003	6.796E-08	0.0001	0.000E+00	0.0000	3.466E-08	0.0001
===== Total	5.364E-04	0.8140	1.071E-06	0.0016	0.000E+00	0.0000	9.010E-05	0.1367	3.071E-05	0.0466	0.000E+00	0.0000	6.506E-07	0.0010

Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 0.000E+00 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.371E-06	0.0036
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.775E-05	0.0421
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.169E-04	0.4810
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.101E-04	0.4707
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.282E-06	0.0019
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.235E-07	0.0006
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.589E-04	1.0000

***CNRSI(i,p,t) includes contribution from decay daughter radionuclides

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As pCi/yr at t= 1.000E+00 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	1.804E-03	1.404E+01	6.615E+00	0.000E+00	2.431E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.089E+01
Ra-226	3.686E-03	1.140E+02	3.940E+01	0.000E+00	4.966E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.539E+02
Ra-228	5.344E-02	1.646E+03	5.614E+02	0.000E+00	7.200E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.215E+03
Th-228	6.257E-02	6.872E+01	2.914E+01	0.000E+00	8.430E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.063E+02
Th-230	2.001E-01	1.541E+02	5.287E+01	0.000E+00	2.696E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.339E+02
Th-232	6.443E-02	4.962E+01	1.702E+01	0.000E+00	8.681E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.532E+01

* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil
 and water-dependent water, fish, plant, meat, milk pathways

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of
 Radon and its Decay Products as pCi/yr at t= 1.000E+00 years
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent Water-dep. == Water-dependent

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 1.000E+00 years

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.418E-08	0.0000	1.667E-09	0.0000	1.448E-06	0.0024	6.827E-07	0.0012	0.000E+00	0.0000	2.509E-08	0.0000
Ra-226	2.086E-05	0.0353	3.118E-09	0.0000	1.758E-06	0.0030	6.076E-07	0.0010	0.000E+00	0.0000	7.657E-09	0.0000
Ra-228	1.680E-04	0.2839	7.005E-08	0.0001	7.063E-05	0.1194	2.408E-05	0.0407	0.000E+00	0.0000	3.089E-07	0.0005
Th-228	2.994E-04	0.5061	6.720E-07	0.0011	8.700E-07	0.0015	3.689E-07	0.0006	0.000E+00	0.0000	1.067E-07	0.0002
Th-230	2.416E-07	0.0004	2.041E-07	0.0003	5.502E-07	0.0009	1.888E-07	0.0003	0.000E+00	0.0000	9.625E-08	0.0002
Th-232	3.902E-08	0.0001	8.370E-08	0.0001	1.980E-07	0.0003	6.792E-08	0.0001	0.000E+00	0.0000	3.464E-08	0.0001
Total	4.885E-04	0.8258	1.035E-06	0.0017	7.546E-05	0.1275	2.600E-05	0.0439	0.000E+00	0.0000	5.792E-07	0.0010

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 1.000E+00 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.172E-06	0.0037
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.323E-05	0.0393
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.631E-04	0.4447
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.014E-04	0.5095
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.281E-06	0.0022
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.233E-07	0.0007
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.916E-04	1.0000

** Sum of water independent ground, inhalation, plant, meat, milk, soil
 and water dependent water, fish, plant, meat, milk pathways

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of
 Radon and its Decay Products at t= 1.000E+00 years
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
===== Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent Water-dep. == Water-dependent

Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 1.000E+00 years

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.328E-08	0.0000	1.561E-09	0.0000	0.000E+00	0.0000	1.347E-06	0.0023	6.282E-07	0.0011	0.000E+00	0.0000	2.349E-08	0.0000
Ra-226	2.041E-05	0.0345	3.157E-09	0.0000	0.000E+00	0.0000	1.823E-06	0.0031	6.505E-07	0.0011	0.000E+00	0.0000	9.076E-09	0.0000
Ra-228	2.265E-04	0.3829	2.396E-07	0.0004	0.000E+00	0.0000	6.255E-05	0.1057	2.173E-05	0.0367	0.000E+00	0.0000	2.988E-07	0.0005
Th-228	2.146E-04	0.3627	4.817E-07	0.0008	0.000E+00	0.0000	4.373E-07	0.0007	1.500E-07	0.0003	0.000E+00	0.0000	7.650E-08	0.0001
Th-230	6.863E-07	0.0012	2.042E-07	0.0003	0.000E+00	0.0000	5.874E-07	0.0010	2.003E-07	0.0003	0.000E+00	0.0000	9.643E-08	0.0002
Th-232	2.631E-05	0.0445	1.045E-07	0.0002	0.000E+00	0.0000	8.715E-06	0.0147	2.639E-06	0.0045	0.000E+00	0.0000	7.497E-08	0.0001
===== Total	4.885E-04	0.8258	1.035E-06	0.0017	0.000E+00	0.0000	7.546E-05	0.1275	2.600E-05	0.0439	0.000E+00	0.0000	5.792E-07	0.0010

Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 1.000E+00 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.014E-06	0.0034
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.290E-05	0.0387
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.113E-04	0.5262
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.157E-04	0.3647
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.775E-06	0.0030
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.785E-05	0.0640
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.916E-04	1.0000

***CNRSI(i,p,t) includes contribution from decay daughter radionuclides

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As pCi/yr at t= 3.000E+00 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	1.443E-03	1.122E+01	5.280E+00	0.000E+00	1.944E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.669E+01
Ra-226	2.611E-03	8.076E+01	2.787E+01	0.000E+00	3.518E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.090E+02
Ra-228	3.960E-02	1.218E+03	4.130E+02	0.000E+00	5.336E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.636E+03
Th-228	5.344E-02	5.635E+01	2.339E+01	0.000E+00	7.200E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.694E+01
Th-230	1.998E-01	1.539E+02	5.280E+01	0.000E+00	2.693E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.336E+02
Th-232	6.435E-02	4.955E+01	1.700E+01	0.000E+00	8.669E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.522E+01

* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil
 and water-dependent water, fish, plant, meat, milk pathways

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of
 Radon and its Decay Products as pCi/yr at t= 3.000E+00 years
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent Water-dep. == Water-dependent

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 3.000E+00 years

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.135E-08	0.0000	1.333E-09	0.0000	1.158E-06	0.0025	5.449E-07	0.0012	0.000E+00	0.0000	2.007E-08	0.0000
Ra-226	1.478E-05	0.0313	2.209E-09	0.0000	1.245E-06	0.0026	4.298E-07	0.0009	0.000E+00	0.0000	5.424E-09	0.0000
Ra-228	1.245E-04	0.2637	5.192E-08	0.0001	5.225E-05	0.1107	1.772E-05	0.0375	0.000E+00	0.0000	2.289E-07	0.0005
Th-228	2.558E-04	0.5418	5.740E-07	0.0012	7.133E-07	0.0015	2.961E-07	0.0006	0.000E+00	0.0000	9.116E-08	0.0002
Th-230	2.414E-07	0.0005	2.038E-07	0.0004	5.494E-07	0.0012	1.885E-07	0.0004	0.000E+00	0.0000	9.612E-08	0.0002
Th-232	3.899E-08	0.0001	8.358E-08	0.0002	1.977E-07	0.0004	6.783E-08	0.0001	0.000E+00	0.0000	3.459E-08	0.0001
Total	3.954E-04	0.8374	9.169E-07	0.0019	5.612E-05	0.1189	1.924E-05	0.0408	0.000E+00	0.0000	4.763E-07	0.0010

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 3.000E+00 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.735E-06	0.0037
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.646E-05	0.0349
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.948E-04	0.4125
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.575E-04	0.5453
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.279E-06	0.0027
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.227E-07	0.0009
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.721E-04	1.0000

** Sum of water independent ground, inhalation, plant, meat, milk, soil
 and water dependent water, fish, plant, meat, milk pathways

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of
 Radon and its Decay Products at t= 3.000E+00 years
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
===== Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent Water-dep. == Water-dependent

Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 3.000E+00 years

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	9.430E-09	0.0000	1.108E-09	0.0000	0.000E+00	0.0000	9.562E-07	0.0020	4.459E-07	0.0009	0.000E+00	0.0000	1.667E-08	0.0000
Ra-226	1.367E-05	0.0290	2.261E-09	0.0000	0.000E+00	0.0000	1.347E-06	0.0029	4.948E-07	0.0010	0.000E+00	0.0000	8.291E-09	0.0000
Ra-228	1.979E-04	0.4191	3.024E-07	0.0006	0.000E+00	0.0000	3.310E-05	0.0701	1.150E-05	0.0244	0.000E+00	0.0000	1.853E-07	0.0004
Th-228	1.039E-04	0.2200	2.331E-07	0.0005	0.000E+00	0.0000	2.116E-07	0.0004	7.258E-08	0.0002	0.000E+00	0.0000	3.701E-08	0.0001
Th-230	1.347E-06	0.0029	2.040E-07	0.0004	0.000E+00	0.0000	6.485E-07	0.0014	2.225E-07	0.0005	0.000E+00	0.0000	9.665E-08	0.0002
Th-232	7.862E-05	0.1665	1.740E-07	0.0004	0.000E+00	0.0000	1.985E-05	0.0420	6.509E-06	0.0138	0.000E+00	0.0000	1.323E-07	0.0003
===== Total	3.954E-04	0.8374	9.169E-07	0.0019	0.000E+00	0.0000	5.612E-05	0.1189	1.924E-05	0.0408	0.000E+00	0.0000	4.763E-07	0.0010

Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 3.000E+00 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.429E-06	0.0030
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.553E-05	0.0329
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.429E-04	0.5146
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.044E-04	0.2212
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.519E-06	0.0053
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.053E-04	0.2230
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.721E-04	1.0000

***CNRSI(i,p,t) includes contribution from decay daughter radionuclides

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As pCi/yr at t= 1.000E+01 years

Radio-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	6.188E-04	4.806E+00	2.259E+00	0.000E+00	8.338E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.148E+00
Ra-226	9.664E-04	2.983E+01	1.023E+01	0.000E+00	1.302E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.020E+01
Ra-228	2.576E-02	7.894E+02	2.645E+02	0.000E+00	3.471E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.057E+03
Th-228	3.001E-02	3.295E+01	1.386E+01	0.000E+00	4.043E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.085E+01
Th-230	1.989E-01	1.532E+02	5.255E+01	0.000E+00	2.680E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.325E+02
Th-232	6.405E-02	4.932E+01	1.692E+01	0.000E+00	8.629E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.488E+01

* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil and water-dependent water, fish, plant, meat, milk pathways

0

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of Radon and its Decay Products as pCi/yr at t= 1.000E+01 years

0

Radon Pathway	Radionuclides							
	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent Water-dep. == Water-dependent

0

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 1.000E+01 years

0

Radio-Nuclide	Water Independent Pathways (Inhalation excludes radon)											
	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	4.874E-09	0.0000	5.718E-10	0.0000	4.960E-07	0.0018	2.332E-07	0.0008	0.000E+00	0.0000	8.604E-09	0.0000
Ra-226	5.473E-06	0.0196	8.176E-10	0.0000	4.600E-07	0.0016	1.578E-07	0.0006	0.000E+00	0.0000	2.008E-09	0.0000
Ra-228	8.104E-05	0.2898	3.377E-08	0.0001	3.387E-05	0.1211	1.135E-05	0.0406	0.000E+00	0.0000	1.489E-07	0.0005
Th-228	1.437E-04	0.5139	3.223E-07	0.0012	4.171E-07	0.0015	1.755E-07	0.0006	0.000E+00	0.0000	5.118E-08	0.0002
Th-230	2.406E-07	0.0009	2.029E-07	0.0007	5.469E-07	0.0020	1.876E-07	0.0007	0.000E+00	0.0000	9.567E-08	0.0003
Th-232	3.887E-08	0.0001	8.320E-08	0.0003	1.968E-07	0.0007	6.752E-08	0.0002	0.000E+00	0.0000	3.443E-08	0.0001
Total	2.305E-04	0.8243	6.435E-07	0.0023	3.598E-05	0.1287	1.217E-05	0.0435	0.000E+00	0.0000	3.408E-07	0.0012

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 1.000E+01 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.432E-07	0.0027
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.094E-06	0.0218
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.264E-04	0.4522
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.447E-04	0.5173
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.274E-06	0.0046
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.208E-07	0.0015
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.796E-04	1.0000

** Sum of water independent ground, inhalation, plant, meat, milk, soil
 and water dependent water, fish, plant, meat, milk pathways

0

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of
 Radon and its Decay Products at t= 1.000E+01 years
 Radionuclides

0

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
===== Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent Water-dep. == Water-dependent

0

Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 1.000E+01 years
 Water Independent Pathways (Inhalation excludes radon)

0

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	2.847E-09	0.0000	3.340E-10	0.0000	0.000E+00	0.0000	2.882E-07	0.0010	1.344E-07	0.0005	0.000E+00	0.0000	5.025E-09	0.0000
Ra-226	3.364E-06	0.0120	7.001E-10	0.0000	0.000E+00	0.0000	4.558E-07	0.0016	1.797E-07	0.0006	0.000E+00	0.0000	4.212E-09	0.0000
Ra-228	4.517E-05	0.1615	8.628E-08	0.0003	0.000E+00	0.0000	3.558E-06	0.0127	1.236E-06	0.0044	0.000E+00	0.0000	2.826E-08	0.0001
Th-228	8.189E-06	0.0293	1.836E-08	0.0001	0.000E+00	0.0000	1.667E-08	0.0001	5.720E-09	0.0000	0.000E+00	0.0000	2.917E-09	0.0000
Th-230	2.352E-06	0.0084	2.032E-07	0.0007	0.000E+00	0.0000	7.589E-07	0.0027	2.644E-07	0.0009	0.000E+00	0.0000	9.705E-08	0.0003
Th-232	1.714E-04	0.6130	3.346E-07	0.0012	0.000E+00	0.0000	3.091E-05	0.1105	1.035E-05	0.0370	0.000E+00	0.0000	2.033E-07	0.0007
===== Total	2.305E-04	0.8243	6.435E-07	0.0023	0.000E+00	0.0000	3.598E-05	0.1287	1.217E-05	0.0435	0.000E+00	0.0000	3.408E-07	0.0012

Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 1.000E+01 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.308E-07	0.0015
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.004E-06	0.0143
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.007E-05	0.1791
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.233E-06	0.0294
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.676E-06	0.0131
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.132E-04	0.7625
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.796E-04	1.0000

***CNRSI(i,p,t) includes contribution from decay daughter radionuclides

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As pCi/yr at t= 3.000E+01 years

Radio-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	1.032E-04	8.086E-01	3.849E-01	0.000E+00	1.391E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.207E+00
Ra-226	4.352E-04	1.338E+01	4.537E+00	0.000E+00	5.863E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.798E+01
Ra-228	2.382E-02	7.293E+02	2.438E+02	0.000E+00	3.209E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.764E+02
Th-228	2.383E-02	2.744E+01	1.176E+01	0.000E+00	3.211E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.242E+01
Th-230	1.962E-01	1.511E+02	5.185E+01	0.000E+00	2.644E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.294E+02
Th-232	6.320E-02	4.867E+01	1.670E+01	0.000E+00	8.515E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.389E+01

* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil and water-dependent water, fish, plant, meat, milk pathways

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of Radon and its Decay Products as pCi/yr at t= 3.000E+01 years

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent Water-dep. == Water-dependent

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 3.000E+01 years

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	8.169E-10	0.0000	9.538E-11	0.0000	8.345E-08	0.0004	3.972E-08	0.0002	0.000E+00	0.0000	1.435E-09	0.0000
Ra-226	2.469E-06	0.0104	3.681E-10	0.0000	2.064E-07	0.0009	6.996E-08	0.0003	0.000E+00	0.0000	9.041E-10	0.0000
Ra-228	7.507E-05	0.3172	3.122E-08	0.0001	3.129E-05	0.1322	1.046E-05	0.0442	0.000E+00	0.0000	1.377E-07	0.0006
Th-228	1.143E-04	0.4831	2.559E-07	0.0011	3.474E-07	0.0015	1.489E-07	0.0006	0.000E+00	0.0000	4.065E-08	0.0002
Th-230	2.383E-07	0.0010	2.002E-07	0.0008	5.395E-07	0.0023	1.851E-07	0.0008	0.000E+00	0.0000	9.439E-08	0.0004
Th-232	3.853E-08	0.0002	8.210E-08	0.0003	1.942E-07	0.0008	6.662E-08	0.0003	0.000E+00	0.0000	3.398E-08	0.0001
Total	1.922E-04	0.8119	5.699E-07	0.0024	3.266E-05	0.1380	1.097E-05	0.0464	0.000E+00	0.0000	3.090E-07	0.0013

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 3.000E+01 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.255E-07	0.0005
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.747E-06	0.0116
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.170E-04	0.4943
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.151E-04	0.4865
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.257E-06	0.0053
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.154E-07	0.0018
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.367E-04	1.0000

** Sum of water independent ground, inhalation, plant, meat, milk, soil
 and water dependent water, fish, plant, meat, milk pathways

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of
 Radon and its Decay Products at t= 3.000E+01 years
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
===== Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent Water-dep. == Water-dependent

Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 3.000E+01 years

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	9.292E-11	0.0000	1.085E-11	0.0000	0.000E+00	0.0000	9.362E-09	0.0000	4.366E-09	0.0000	0.000E+00	0.0000	1.633E-10	0.0000
Ra-226	6.121E-08	0.0003	2.393E-11	0.0000	0.000E+00	0.0000	1.796E-08	0.0001	7.781E-09	0.0000	0.000E+00	0.0000	2.454E-10	0.0000
Ra-228	1.401E-07	0.0006	2.889E-10	0.0000	0.000E+00	0.0000	5.974E-09	0.0000	2.074E-09	0.0000	0.000E+00	0.0000	6.978E-11	0.0000
Th-228	5.771E-09	0.0000	1.292E-11	0.0000	0.000E+00	0.0000	1.173E-11	0.0000	4.023E-12	0.0000	0.000E+00	0.0000	2.051E-12	0.0000
Th-230	2.647E-06	0.0112	2.006E-07	0.0008	0.000E+00	0.0000	8.020E-07	0.0034	2.826E-07	0.0012	0.000E+00	0.0000	9.632E-08	0.0004
Th-232	1.893E-04	0.7999	3.689E-07	0.0016	0.000E+00	0.0000	3.182E-05	0.1345	1.067E-05	0.0451	0.000E+00	0.0000	2.122E-07	0.0009
===== Total	1.922E-04	0.8119	5.699E-07	0.0024	0.000E+00	0.0000	3.266E-05	0.1380	1.097E-05	0.0464	0.000E+00	0.0000	3.090E-07	0.0013

Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 3.000E+01 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.400E-08	0.0001
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.723E-08	0.0004
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.485E-07	0.0006
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.801E-09	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.029E-06	0.0170
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.324E-04	0.9819
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.367E-04	1.0000

***CNRSI(i,p,t) includes contribution from decay daughter radionuclides

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As pCi/yr at t= 1.000E+02 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	7.387E-05	5.810E-01	2.782E-01	0.000E+00	9.952E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.692E-01
Ra-226	4.056E-04	1.247E+01	4.226E+00	0.000E+00	5.465E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.675E+01
Ra-228	2.271E-02	6.956E+02	2.326E+02	0.000E+00	3.060E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.313E+02
Th-228	2.271E-02	2.616E+01	1.122E+01	0.000E+00	3.060E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.044E+01
Th-230	1.871E-01	1.441E+02	4.943E+01	0.000E+00	2.521E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.187E+02
Th-232	6.029E-02	4.643E+01	1.593E+01	0.000E+00	8.122E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.048E+01

* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil
 and water-dependent water, fish, plant, meat, milk pathways

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of
 Radon and its Decay Products as pCi/yr at t= 1.000E+02 years
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent Water-dep. == Water-dependent

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 1.000E+02 years

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	5.945E-10	0.0000	6.825E-11	0.0000	5.996E-08	0.0003	2.871E-08	0.0001	0.000E+00	0.0000	1.027E-09	0.0000
Ra-226	2.317E-06	0.0102	3.431E-10	0.0000	1.923E-07	0.0008	6.516E-08	0.0003	0.000E+00	0.0000	8.426E-10	0.0000
Ra-228	7.209E-05	0.3178	2.978E-08	0.0001	2.984E-05	0.1316	9.978E-06	0.0440	0.000E+00	0.0000	1.313E-07	0.0006
Th-228	1.097E-04	0.4837	2.440E-07	0.0011	3.312E-07	0.0015	1.420E-07	0.0006	0.000E+00	0.0000	3.874E-08	0.0002
Th-230	2.303E-07	0.0010	1.908E-07	0.0008	5.143E-07	0.0023	1.765E-07	0.0008	0.000E+00	0.0000	8.998E-08	0.0004
Th-232	3.737E-08	0.0002	7.831E-08	0.0003	1.852E-07	0.0008	6.355E-08	0.0003	0.000E+00	0.0000	3.241E-08	0.0001
Total	1.844E-04	0.8130	5.433E-07	0.0024	3.113E-05	0.1372	1.045E-05	0.0461	0.000E+00	0.0000	2.943E-07	0.0013

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 1.000E+02 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.036E-08	0.0004
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.576E-06	0.0114
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.121E-04	0.4941
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.105E-04	0.4871
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.202E-06	0.0053
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.969E-07	0.0017
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.268E-04	1.0000

** Sum of water independent ground, inhalation, plant, meat, milk, soil
 and water dependent water, fish, plant, meat, milk pathways

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of
 Radon and its Decay Products at t= 1.000E+02 years
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
===== Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent Water-dep. == Water-dependent

Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 1.000E+02 years

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	5.836E-16	0.0000	6.701E-17	0.0000	0.000E+00	0.0000	5.782E-14	0.0000	2.697E-14	0.0000	0.000E+00	0.0000	1.008E-15	0.0000
Ra-226	5.066E-14	0.0000	1.559E-16	0.0000	0.000E+00	0.0000	1.323E-13	0.0000	6.124E-14	0.0000	0.000E+00	0.0000	2.253E-15	0.0000
Ra-228	3.369E-17	0.0000	7.050E-20	0.0000	0.000E+00	0.0000	1.087E-18	0.0000	3.773E-19	0.0000	0.000E+00	0.0000	1.548E-20	0.0000
Th-228	5.357E-20	0.0000	1.191E-22	0.0000	0.000E+00	0.0000	1.082E-22	0.0000	3.710E-23	0.0000	0.000E+00	0.0000	1.892E-23	0.0000
Th-230	2.548E-06	0.0112	1.912E-07	0.0008	0.000E+00	0.0000	7.666E-07	0.0034	2.703E-07	0.0012	0.000E+00	0.0000	9.185E-08	0.0004
Th-232	1.818E-04	0.8017	3.520E-07	0.0016	0.000E+00	0.0000	3.036E-05	0.1339	1.018E-05	0.0449	0.000E+00	0.0000	2.024E-07	0.0009
===== Total	1.844E-04	0.8130	5.433E-07	0.0024	0.000E+00	0.0000	3.113E-05	0.1372	1.045E-05	0.0461	0.000E+00	0.0000	2.943E-07	0.0013

Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 1.000E+02 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.644E-14	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.466E-13	0.0000
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.524E-17	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.386E-20	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.868E-06	0.0171
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.229E-04	0.9829
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.268E-04	1.0000

***CNRSI(i,p,t) includes contribution from decay daughter radionuclides

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As pCi/yr at t= 3.000E+02 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	6.407E-05	5.039E-01	2.413E-01	0.000E+00	8.632E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.539E-01
Ra-226	3.518E-04	1.082E+01	3.665E+00	0.000E+00	4.740E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.453E+01
Ra-228	1.974E-02	6.045E+02	2.021E+02	0.000E+00	2.659E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.092E+02
Th-228	1.974E-02	2.273E+01	9.746E+00	0.000E+00	2.659E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.514E+01
Th-230	1.623E-01	1.250E+02	4.287E+01	0.000E+00	2.186E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.897E+02
Th-232	5.238E-02	4.034E+01	1.384E+01	0.000E+00	7.058E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.124E+01

* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil
 and water-dependent water, fish, plant, meat, milk pathways

0
 Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of
 Radon and its Decay Products as pCi/yr at t= 3.000E+02 years
 0
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent Water-dep. == Water-dependent

0
 Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 3.000E+02 years

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	5.424E-10	0.0000	5.920E-11	0.0000	5.201E-08	0.0003	2.491E-08	0.0001	0.000E+00	0.0000	8.908E-10	0.0000
Ra-226	2.051E-06	0.0102	2.976E-10	0.0000	1.668E-07	0.0008	5.652E-08	0.0003	0.000E+00	0.0000	7.309E-10	0.0000
Ra-228	6.392E-05	0.3191	2.588E-08	0.0001	2.593E-05	0.1295	8.670E-06	0.0433	0.000E+00	0.0000	1.141E-07	0.0006
Th-228	9.723E-05	0.4854	2.120E-07	0.0011	2.878E-07	0.0014	1.234E-07	0.0006	0.000E+00	0.0000	3.367E-08	0.0002
Th-230	2.084E-07	0.0010	1.655E-07	0.0008	4.461E-07	0.0022	1.530E-07	0.0008	0.000E+00	0.0000	7.805E-08	0.0004
Th-232	3.417E-08	0.0002	6.805E-08	0.0003	1.610E-07	0.0008	5.522E-08	0.0003	0.000E+00	0.0000	2.816E-08	0.0001
Total	1.634E-04	0.8160	4.718E-07	0.0024	2.704E-05	0.1350	9.083E-06	0.0453	0.000E+00	0.0000	2.556E-07	0.0013

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 3.000E+02 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.840E-08	0.0004
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.275E-06	0.0114
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.866E-05	0.4926
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.788E-05	0.4887
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.051E-06	0.0052
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.466E-07	0.0017
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.003E-04	1.0000

** Sum of water independent ground, inhalation, plant, meat, milk, soil
 and water dependent water, fish, plant, meat, milk pathways

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of
 Radon and its Decay Products at t= 3.000E+02 years
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
===== Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent Water-dep. == Water-dependent

Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 3.000E+02 years

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.514E-29	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.761E-28	0.0000	8.211E-29	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	2.259E-06	0.0113	1.659E-07	0.0008	0.000E+00	0.0000	6.649E-07	0.0033	2.345E-07	0.0012	0.000E+00	0.0000	7.967E-08	0.0004
Th-232	1.612E-04	0.8047	3.059E-07	0.0015	0.000E+00	0.0000	2.638E-05	0.1317	8.848E-06	0.0442	0.000E+00	0.0000	1.759E-07	0.0009
===== Total	1.634E-04	0.8160	4.718E-07	0.0024	0.000E+00	0.0000	2.704E-05	0.1350	9.083E-06	0.0453	0.000E+00	0.0000	2.556E-07	0.0013

Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 3.000E+02 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.514E-29	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.582E-28	0.0000
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.404E-06	0.0170
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.969E-04	0.9830
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.003E-04	1.0000

***CNRSI(i,p,t) includes contribution from decay daughter radionuclides

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As pCi/yr at t= 1.000E+03 years

Radio-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	3.546E-05	2.789E-01	1.336E-01	0.000E+00	4.777E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.172E-01
Ra-226	1.947E-04	5.987E+00	2.028E+00	0.000E+00	2.623E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.042E+00
Ra-228	1.099E-02	3.366E+02	1.125E+02	0.000E+00	1.481E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.507E+02
Th-228	1.099E-02	1.266E+01	5.428E+00	0.000E+00	1.481E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.957E+01
Th-230	8.980E-02	6.915E+01	2.373E+01	0.000E+00	1.210E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.050E+02
Th-232	2.917E-02	2.247E+01	7.708E+00	0.000E+00	3.930E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.411E+01

* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil and water-dependent water, fish, plant, meat, milk pathways

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of Radon and its Decay Products as pCi/yr at t= 1.000E+03 years

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent Water-dep. == Water-dependent

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 1.000E+03 years

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	3.669E-10	0.0000	3.276E-11	0.0000	2.878E-08	0.0002	1.378E-08	0.0001	0.000E+00	0.0000	4.930E-10	0.0000
Ra-226	1.201E-06	0.0103	1.647E-10	0.0000	9.232E-08	0.0008	3.128E-08	0.0003	0.000E+00	0.0000	4.045E-10	0.0000
Ra-228	3.775E-05	0.3231	1.441E-08	0.0001	1.444E-05	0.1236	4.828E-06	0.0413	0.000E+00	0.0000	6.353E-08	0.0005
Th-228	5.720E-05	0.4896	1.180E-07	0.0010	1.603E-07	0.0014	6.871E-08	0.0006	0.000E+00	0.0000	1.875E-08	0.0002
Th-230	1.358E-07	0.0012	9.159E-08	0.0008	2.469E-07	0.0021	8.470E-08	0.0007	0.000E+00	0.0000	4.319E-08	0.0004
Th-232	2.368E-08	0.0002	3.790E-08	0.0003	8.964E-08	0.0008	3.075E-08	0.0003	0.000E+00	0.0000	1.568E-08	0.0001
Total	9.631E-05	0.8243	2.621E-07	0.0022	1.506E-05	0.1289	5.058E-06	0.0433	0.000E+00	0.0000	1.421E-07	0.0012

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 1.000E+03 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.346E-08	0.0004
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.326E-06	0.0113
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.709E-05	0.4887
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.756E-05	0.4927
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.021E-07	0.0052
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.977E-07	0.0017
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.168E-04	1.0000

** Sum of water independent ground, inhalation, plant, meat, milk, soil
 and water dependent water, fish, plant, meat, milk pathways

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of
 Radon and its Decay Products at t= 1.000E+03 years
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
===== Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent Water-dep. == Water-dependent

Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 1.000E+03 years

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	1.337E-06	0.0114	9.179E-08	0.0008	0.000E+00	0.0000	3.680E-07	0.0031	1.298E-07	0.0011	0.000E+00	0.0000	4.409E-08	0.0004
Th-232	9.497E-05	0.8129	1.704E-07	0.0015	0.000E+00	0.0000	1.469E-05	0.1258	4.928E-06	0.0422	0.000E+00	0.0000	9.796E-08	0.0008
===== Total	9.631E-05	0.8243	2.621E-07	0.0022	0.000E+00	0.0000	1.506E-05	0.1289	5.058E-06	0.0433	0.000E+00	0.0000	1.421E-07	0.0012

Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 1.000E+03 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.971E-06	0.0169
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.149E-04	0.9831
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.168E-04	1.0000

***CNRSI(i,p,t) includes contribution from decay daughter radionuclides

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Part IV: Concentration of Radionuclides

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Concentration of radionuclides in different media

Time= 0.000E+00	2
Time= 1.000E+00	3
Time= 3.000E+00	4
Time= 1.000E+01	5
Time= 3.000E+01	6
Time= 1.000E+02	7
Time= 3.000E+02	8
Time= 1.000E+03	9

Concentration of radionuclides in environmental media
 at t = 0.000E+00 years

Radio- Nuclide	Contaminat- ed Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	1.110E+01	5.180E-01	8.376E-06	0.000E+00	0.000E+00
Ra-226	2.440E+01	1.139E+00	1.841E-05	0.000E+00	0.000E+00
Ra-228	3.569E+02	1.666E+01	2.693E-04	0.000E+00	0.000E+00
Th-228	3.569E+02	1.666E+01	2.693E-04	0.000E+00	0.000E+00
Th-230	1.108E+03	5.173E+01	8.365E-04	0.000E+00	0.000E+00
Th-232	3.569E+02	1.666E+01	2.693E-04	0.000E+00	0.000E+00

*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media
 at t = 0.000E+00 years*

Radio- Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	3.108E+00	3.110E+00	3.110E+00	3.110E+00	3.764E-01	1.290E-01	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.733E+01	2.733E+01	2.733E+01	2.733E+01	2.428E+00	2.073E+00	0.000E+00	0.000E+00
Ra-228	0.000E+00	3.997E+02	3.998E+02	3.998E+02	3.998E+02	3.551E+01	3.032E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	1.001E+01	1.006E+01	1.007E+01	1.007E+01	9.012E-01	4.441E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	3.108E+01	3.126E+01	3.128E+01	3.128E+01	2.799E+00	1.379E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	1.001E+01	1.006E+01	1.007E+01	1.007E+01	9.012E-01	4.441E-02	0.000E+00	0.000E+00

*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time.
 For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media
 at t = 1.000E+00 years

Radio- Nuclide	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	9.993E+00	4.661E-01	7.537E-06	0.000E+00	0.000E+00
Ra-226	2.041E+01	9.521E-01	1.540E-05	0.000E+00	0.000E+00
Ra-228	2.959E+02	1.380E+01	2.232E-04	0.000E+00	0.000E+00
Th-228	3.465E+02	1.616E+01	2.614E-04	0.000E+00	0.000E+00
Th-230	1.108E+03	5.170E+01	8.359E-04	0.000E+00	0.000E+00
Th-232	3.568E+02	1.664E+01	2.691E-04	0.000E+00	0.000E+00

*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media
 at t = 1.000E+00 years*

Radio- Nuclide	Drinking Water	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	2.833E+00	2.801E+00	2.932E+00	2.916E+00	3.500E-01	1.182E-01	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.301E+01	2.287E+01	2.359E+01	2.337E+01	2.085E+00	1.762E+00	0.000E+00	0.000E+00
Ra-228	0.000E+00	3.321E+02	3.314E+02	3.371E+02	3.340E+02	2.970E+01	2.527E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	1.419E+01	1.009E+01	2.425E+01	2.409E+01	1.542E+00	7.205E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	3.106E+01	3.124E+01	3.126E+01	3.126E+01	2.797E+00	1.378E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	1.000E+01	1.006E+01	1.006E+01	1.006E+01	9.007E-01	4.438E-02	0.000E+00	0.000E+00

*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time. For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media
 at t = 3.000E+00 years

Radio- Nuclide	Contaminat- ed Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	7.999E+00	3.728E-01	6.028E-06	0.000E+00	0.000E+00
Ra-226	1.447E+01	6.745E-01	1.091E-05	0.000E+00	0.000E+00
Ra-228	2.195E+02	1.023E+01	1.654E-04	0.000E+00	0.000E+00
Th-228	2.962E+02	1.381E+01	2.232E-04	0.000E+00	0.000E+00
Th-230	1.108E+03	5.163E+01	8.348E-04	0.000E+00	0.000E+00
Th-232	3.567E+02	1.662E+01	2.688E-04	0.000E+00	0.000E+00

 *The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media
 at t = 3.000E+00 years*

Radio- Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	2.264E+00	2.240E+00	2.340E+00	2.326E+00	2.794E-01	9.441E-02	0.000E+00	0.000E+00
Ra-226	0.000E+00	1.629E+01	1.620E+01	1.668E+01	1.654E+01	1.475E+00	1.247E+00	0.000E+00	0.000E+00
Ra-228	0.000E+00	2.456E+02	2.456E+02	2.476E+02	2.460E+02	2.185E+01	1.864E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	1.161E+01	8.579E+00	1.900E+01	1.889E+01	1.238E+00	5.816E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	3.102E+01	3.119E+01	3.122E+01	3.122E+01	2.794E+00	1.376E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	9.988E+00	1.004E+01	1.005E+01	1.005E+01	8.995E-01	4.432E-02	0.000E+00	0.000E+00

 *Concentrations are at consumption time and include radioactive decay and ingrowth during storage time.
 For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media
 at t = 1.000E+01 years

Radio- Nuclide	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	3.440E+00	1.599E-01	2.585E-06	0.000E+00	0.000E+00
Ra-226	5.373E+00	2.496E-01	4.037E-06	0.000E+00	0.000E+00
Ra-228	1.432E+02	6.654E+00	1.076E-04	0.000E+00	0.000E+00
Th-228	1.668E+02	7.751E+00	1.253E-04	0.000E+00	0.000E+00
Th-230	1.106E+03	5.138E+01	8.309E-04	0.000E+00	0.000E+00
Th-232	3.561E+02	1.655E+01	2.675E-04	0.000E+00	0.000E+00

*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media
 at t = 1.000E+01 years*

Radio- Nuclide	Drinking Water	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	9.699E-01	9.606E-01	1.001E+00	9.944E-01	1.195E-01	4.043E-02	0.000E+00	0.000E+00
Ra-226	0.000E+00	6.018E+00	5.994E+00	6.115E+00	6.079E+00	5.414E-01	4.592E-01	0.000E+00	0.000E+00
Ra-228	0.000E+00	1.592E+02	1.597E+02	1.581E+02	1.580E+02	1.400E+01	1.201E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	6.802E+00	4.838E+00	1.148E+01	1.146E+01	7.333E-01	3.442E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	3.088E+01	3.105E+01	3.107E+01	3.107E+01	2.781E+00	1.370E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	9.942E+00	9.997E+00	1.001E+01	1.000E+01	8.953E-01	4.411E-02	0.000E+00	0.000E+00

*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time.
 For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media
 at t = 3.000E+01 years

Radio- Nuclide	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	5.789E-01	2.667E-02	4.312E-07	0.000E+00	0.000E+00
Ra-226	2.440E+00	1.124E-01	1.818E-06	0.000E+00	0.000E+00
Ra-228	1.335E+02	6.152E+00	9.948E-05	0.000E+00	0.000E+00
Th-228	1.336E+02	6.156E+00	9.954E-05	0.000E+00	0.000E+00
Th-230	1.100E+03	5.069E+01	8.197E-04	0.000E+00	0.000E+00
Th-232	3.544E+02	1.633E+01	2.640E-04	0.000E+00	0.000E+00

*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media
 at t = 3.000E+01 years*

Radio- Nuclide	Drinking Water	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	1.633E-01	1.603E-01	1.710E-01	1.707E-01	2.037E-02	6.833E-03	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.699E+00	2.699E+00	2.702E+00	2.702E+00	2.401E-01	2.048E-01	0.000E+00	0.000E+00
Ra-228	0.000E+00	1.470E+02	1.476E+02	1.457E+02	1.457E+02	1.290E+01	1.108E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	5.680E+00	3.862E+00	9.963E+00	9.963E+00	6.224E-01	2.910E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	3.046E+01	3.063E+01	3.066E+01	3.065E+01	2.743E+00	1.352E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	9.811E+00	9.865E+00	9.873E+00	9.872E+00	8.835E-01	4.353E-02	0.000E+00	0.000E+00

*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time.
 For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media
 at t = 1.000E+02 years

Radio- Nuclide	Contaminat- ed Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	4.272E-01	1.908E-02	3.085E-07	0.000E+00	0.000E+00
Ra-226	2.346E+00	1.048E-01	1.694E-06	0.000E+00	0.000E+00
Ra-228	1.314E+02	5.868E+00	9.488E-05	0.000E+00	0.000E+00
Th-228	1.314E+02	5.868E+00	9.488E-05	0.000E+00	0.000E+00
Th-230	1.082E+03	4.833E+01	7.814E-04	0.000E+00	0.000E+00
Th-232	3.487E+02	1.557E+01	2.518E-04	0.000E+00	0.000E+00

*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media
 at t = 1.000E+02 years*

Radio- Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	1.174E-01	1.148E-01	1.238E-01	1.238E-01	1.472E-02	4.920E-03	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.515E+00	2.515E+00	2.517E+00	2.517E+00	2.236E-01	1.908E-01	0.000E+00	0.000E+00
Ra-228	0.000E+00	1.402E+02	1.408E+02	1.389E+02	1.389E+02	1.231E+01	1.057E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	5.416E+00	3.682E+00	9.501E+00	9.500E+00	5.934E-01	2.775E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	2.904E+01	2.920E+01	2.922E+01	2.922E+01	2.615E+00	1.289E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	9.358E+00	9.410E+00	9.418E+00	9.417E+00	8.428E-01	4.152E-02	0.000E+00	0.000E+00

*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time.
 For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media
 at t = 3.000E+02 years

Radio- Nuclide	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	4.070E-01	1.655E-02	2.676E-07	0.000E+00	0.000E+00
Ra-226	2.235E+00	9.088E-02	1.469E-06	0.000E+00	0.000E+00
Ra-228	1.254E+02	5.099E+00	8.244E-05	0.000E+00	0.000E+00
Th-228	1.254E+02	5.099E+00	8.244E-05	0.000E+00	0.000E+00
Th-230	1.031E+03	4.192E+01	6.778E-04	0.000E+00	0.000E+00
Th-232	3.328E+02	1.353E+01	2.188E-04	0.000E+00	0.000E+00

*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media
 at t = 3.000E+02 years*

Radio- Nuclide	Drinking Water	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	1.018E-01	9.955E-02	1.074E-01	1.074E-01	1.277E-02	4.268E-03	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.182E+00	2.181E+00	2.183E+00	2.183E+00	1.939E-01	1.655E-01	0.000E+00	0.000E+00
Ra-228	0.000E+00	1.219E+02	1.224E+02	1.207E+02	1.207E+02	1.069E+01	9.186E+00	0.000E+00	0.000E+00
Th-228	0.000E+00	4.706E+00	3.199E+00	8.256E+00	8.255E+00	5.157E-01	2.411E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	2.519E+01	2.533E+01	2.535E+01	2.535E+01	2.268E+00	1.118E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	8.132E+00	8.177E+00	8.183E+00	8.183E+00	7.323E-01	3.608E-02	0.000E+00	0.000E+00

*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time. For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media
 at t = 1.000E+03 years

Radio- Nuclide	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	3.435E-01	9.159E-03	1.481E-07	0.000E+00	0.000E+00
Ra-226	1.886E+00	5.029E-02	8.132E-07	0.000E+00	0.000E+00
Ra-228	1.065E+02	2.839E+00	4.591E-05	0.000E+00	0.000E+00
Th-228	1.065E+02	2.839E+00	4.591E-05	0.000E+00	0.000E+00
Th-230	8.699E+02	2.320E+01	3.751E-04	0.000E+00	0.000E+00
Th-232	2.826E+02	7.536E+00	1.219E-04	0.000E+00	0.000E+00

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 *The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media
 at t = 1.000E+03 years*

Radio- Nuclide	Drinking Water	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	5.634E-02	5.509E-02	5.941E-02	5.941E-02	7.067E-03	2.362E-03	0.000E+00	0.000E+00
Ra-226	0.000E+00	1.207E+00	1.207E+00	1.208E+00	1.208E+00	1.073E-01	9.159E-02	0.000E+00	0.000E+00
Ra-228	0.000E+00	6.786E+01	6.814E+01	6.723E+01	6.723E+01	5.955E+00	5.116E+00	0.000E+00	0.000E+00
Th-228	0.000E+00	2.621E+00	1.782E+00	4.598E+00	4.597E+00	2.872E-01	1.343E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	1.394E+01	1.402E+01	1.403E+01	1.403E+01	1.255E+00	6.185E-02	0.000E+00	0.000E+00
Th-232	0.000E+00	4.528E+00	4.554E+00	4.557E+00	4.557E+00	4.078E-01	2.009E-02	0.000E+00	0.000E+00

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 *Concentrations are at consumption time and include radioactive decay and ingrowth during storage time.
 For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

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Part V: Dose from Radionuclide at Point of Action
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Total Dose Components Summed to Daughter	
Time = 0.000E+00 years	2
Time = 1.000E+00 years	3
Time = 3.000E+00 years	4
Time = 1.000E+01 years	5
Time = 3.000E+01 years	6
Time = 1.000E+02 years	7
Time = 3.000E+02 years	8
Time = 1.000E+03 years	9

Dose from Radionuclide at Point of Action Report:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
in mrem/yr at t = 0.000E+00 years

Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL	
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Pb-210	7.25E-04	4.42E-05	0.00E+00	1.07E-01	5.05E-02	0.00E+00	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-01	
Ra-226	1.00E+00	3.47E-05	0.00E+00	1.66E-01	5.71E-02	0.00E+00	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E+00	
Ra-228	8.11E+00	2.98E-04	0.00E+00	2.60E+00	8.87E-01	0.00E+00	1.14E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E+01	
Th-228	1.33E+01	2.20E-02	0.00E+00	5.50E-02	2.30E-02	0.00E+00	6.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E+01	
Th-230	1.19E-02	6.53E-02	0.00E+00	8.45E-02	2.90E-02	0.00E+00	1.48E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-01	
Th-232	1.98E-03	1.06E-01	0.00E+00	1.36E-01	4.65E-02	0.00E+00	2.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-01	
===== Total	2.25E+01	1.93E-01	0.00E+00	3.15E+00	1.09E+00	0.00E+00	5.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E+01	

0*Sum of all water independent and dependent pathways.

Dose from Radionuclide at Point of Action Report:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
in mrem/yr at t = 1.000E+00 years

0 Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL	
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Pb-210	6.51E-04	3.97E-05	0.00E+00	9.66E-02	4.55E-02	0.00E+00	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-01	
Ra-226	8.41E-01	2.91E-05	0.00E+00	1.39E-01	4.80E-02	0.00E+00	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E+00	
Ra-228	6.81E+00	2.50E-04	0.00E+00	2.18E+00	7.43E-01	0.00E+00	9.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E+00	
Th-228	1.27E+01	2.09E-02	0.00E+00	5.30E-02	2.23E-02	0.00E+00	6.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E+01	
Th-230	1.19E-02	6.52E-02	0.00E+00	8.44E-02	2.90E-02	0.00E+00	1.48E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-01	
Th-232	1.98E-03	1.06E-01	0.00E+00	1.35E-01	4.65E-02	0.00E+00	2.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-01	
===== Total	2.03E+01	1.92E-01	0.00E+00	2.69E+00	9.34E-01	0.00E+00	5.69E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E+01	

0*Sum of all water independent and dependent pathways.

Dose from Radionuclide at Point of Action Report:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
in mrem/yr at t = 3.000E+00 years

Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL	
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Pb-210	5.19E-04	3.16E-05	0.00E+00	7.70E-02	3.62E-02	0.00E+00	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-01	
Ra-226	5.99E-01	2.07E-05	0.00E+00	9.90E-02	3.42E-02	0.00E+00	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-01	
Ra-228	5.17E+00	1.90E-04	0.00E+00	1.65E+00	5.60E-01	0.00E+00	7.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E+00	
Th-228	1.06E+01	1.76E-02	0.00E+00	4.33E-02	1.79E-02	0.00E+00	5.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E+01	
Th-230	1.19E-02	6.51E-02	0.00E+00	8.43E-02	2.89E-02	0.00E+00	1.48E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-01	
Th-232	1.98E-03	1.05E-01	0.00E+00	1.35E-01	4.64E-02	0.00E+00	2.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-01	
====	====	====	====	====	====	====	====	====	====	====	====	====	====	====	
Total	1.64E+01	1.88E-01	0.00E+00	2.09E+00	7.24E-01	0.00E+00	5.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E+01	

0*Sum of all water independent and dependant pathways.

Dose from Radionuclide at Point of Action Report:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
in mrem/yr at t = 1.000E+01 years

0 Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways						ALL	
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat		Milk
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Pb-210	2.22E-04	1.35E-05	0.00E+00	3.29E-02	1.55E-02	0.00E+00	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-02
Ra-226	2.28E-01	7.88E-06	0.00E+00	3.76E-02	1.29E-02	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-01
Ra-228	3.53E+00	1.30E-04	0.00E+00	1.13E+00	3.77E-01	0.00E+00	4.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E+00
Th-228	6.12E+00	1.01E-02	0.00E+00	2.61E-02	1.10E-02	0.00E+00	3.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E+00
Th-230	1.19E-02	6.48E-02	0.00E+00	8.39E-02	2.88E-02	0.00E+00	1.47E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-01
Th-232	1.97E-03	1.05E-01	0.00E+00	1.35E-01	4.62E-02	0.00E+00	2.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-01
===== Total	9.90E+00	1.80E-01	0.00E+00	1.44E+00	4.92E-01	0.00E+00	4.71E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E+01

0*Sum of all water independent and dependent pathways.

Dose from Radionuclide at Point of Action Report:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
in mrem/yr at t = 3.000E+01 years

0 Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways					ALL		
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant		Meat	Milk
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Pb-210	3.88E-05	2.35E-06	0.00E+00	5.77E-03	2.75E-03	0.00E+00	9.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-03
Ra-226	1.08E-01	3.73E-06	0.00E+00	1.78E-02	6.02E-03	0.00E+00	7.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-01
Ra-228	3.30E+00	1.21E-04	0.00E+00	1.05E+00	3.51E-01	0.00E+00	4.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E+00
Th-228	4.99E+00	8.22E-03	0.00E+00	2.22E-02	9.50E-03	0.00E+00	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E+00
Th-230	1.17E-02	6.40E-02	0.00E+00	8.28E-02	2.84E-02	0.00E+00	1.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-01
Th-232	1.96E-03	1.04E-01	0.00E+00	1.33E-01	4.56E-02	0.00E+00	2.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-01
===== Total	8.41E+00	1.76E-01	0.00E+00	1.31E+00	4.43E-01	0.00E+00	4.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E+01

0*Sum of all water independent and dependant pathways.

Dose from Radionuclide at Point of Action Report:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
in mrem/yr at t = 1.000E+02 years

0 Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways						ALL	
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat		Milk
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Pb-210	2.88E-05	1.71E-06	0.00E+00	4.22E-03	2.02E-03	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-03
Ra-226	1.02E-01	3.49E-06	0.00E+00	1.66E-02	5.62E-03	0.00E+00	7.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-01
Ra-228	3.17E+00	1.15E-04	0.00E+00	1.00E+00	3.35E-01	0.00E+00	4.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E+00
Th-228	4.79E+00	7.83E-03	0.00E+00	2.11E-02	9.06E-03	0.00E+00	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E+00
Th-230	1.14E-02	6.10E-02	0.00E+00	7.89E-02	2.71E-02	0.00E+00	1.38E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-01
Th-232	1.90E-03	9.88E-02	0.00E+00	1.27E-01	4.35E-02	0.00E+00	2.22E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-01
===== Total	8.07E+00	1.68E-01	0.00E+00	1.25E+00	4.22E-01	0.00E+00	4.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E+00

0*Sum of all water independent and dependent pathways.

Dose from Radionuclide at Point of Action Report:
File:

Tobico Marsh SGA, Surface Soil, Composite Recreationist Scenario
SurfSoil Composite Recreationist.RAD

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
in mrem/yr at t = 3.000E+02 years

Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways						ALL	
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat		Milk
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Pb-210	2.63E-05	1.49E-06	0.00E+00	3.66E-03	1.75E-03	0.00E+00	6.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-03
Ra-226	9.01E-02	3.02E-06	0.00E+00	1.44E-02	4.87E-03	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-01
Ra-228	2.81E+00	1.00E-04	0.00E+00	8.70E-01	2.91E-01	0.00E+00	3.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E+00
Th-228	4.24E+00	6.81E-03	0.00E+00	1.84E-02	7.87E-03	0.00E+00	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E+00
Th-230	1.03E-02	5.29E-02	0.00E+00	6.85E-02	2.35E-02	0.00E+00	1.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-01
Th-232	1.73E-03	8.59E-02	0.00E+00	1.10E-01	3.78E-02	0.00E+00	1.93E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-01
===== Total	7.16E+00	1.46E-01	0.00E+00	1.09E+00	3.67E-01	0.00E+00	3.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E+00

0*Sum of all water independent and dependant pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
in mrem/yr at t = 1.000E+03 years

Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL	
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Pb-210	1.78E-05	8.22E-07	0.00E+00	2.03E-03	9.71E-04	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-03	
Ra-226	5.28E-02	1.67E-06	0.00E+00	7.96E-03	2.70E-03	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-02	
Ra-228	1.66E+00	5.58E-05	0.00E+00	4.84E-01	1.62E-01	0.00E+00	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E+00	
Th-228	2.50E+00	3.79E-03	0.00E+00	1.02E-02	4.38E-03	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E+00	
Th-230	6.69E-03	2.93E-02	0.00E+00	3.79E-02	1.30E-02	0.00E+00	6.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-02	
Th-232	1.20E-03	4.78E-02	0.00E+00	6.13E-02	2.10E-02	0.00E+00	1.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-01	
===== Total	4.22E+00	8.09E-02	0.00E+00	6.04E-01	2.04E-01	0.00E+00	2.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E+00	

0*Sum of all water independent and dependent pathways.

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Probabilistic Input

0Number of Sample Runs: 1500

Number	Name	Distribution	Parameters			
1	DCACTC (6)	BOUNDED LOGNORMAL-N	11	1	3200	89000
2	DCACTU1 (6)	LOGNORMAL-N	8.68	3.62		
3	DCACTU2 (6)	LOGNORMAL-N	8.68	3.62		
4	DCACTS (6)	LOGNORMAL-N	8.68	3.62		
5	DCACTC (4)	BOUNDED LOGNORMAL-N	11	1	3200	89000
6	DCACTU1 (4)	LOGNORMAL-N	8.68	3.62		
7	DCACTU2 (4)	LOGNORMAL-N	8.68	3.62		
8	DCACTS (4)	LOGNORMAL-N	8.68	3.62		
9	DCACTC (5)	BOUNDED LOGNORMAL-N	11	1	3200	89000
10	DCACTU1 (5)	LOGNORMAL-N	8.68	3.62		
11	DCACTU2 (5)	LOGNORMAL-N	8.68	3.62		
12	DCACTS (5)	LOGNORMAL-N	8.68	3.62		
13	DCACTU3 (4)	LOGNORMAL-N	8.68	3.62		
14	DCACTU3 (5)	LOGNORMAL-N	8.68	3.62		
15	DCACTU3 (6)	LOGNORMAL-N	8.68	3.62		
16	THICK0	TRIANGULAR	0	.001	.02	
17	H (1)	TRIANGULAR	1	1.52	2	
18	H (2)	BOUNDED LOGNORMAL-N	1.39	.25	3	5
19	H (3)	BOUNDED LOGNORMAL-N	2.9	.25	15.25	30.5
20	HCUZ (1)	BOUNDED LOGNORMAL-N	-4.08	.75	.0017	.17
21	HCUZ (2)	BOUNDED LOGNORMAL-N	7.6	.75	200	20000
22	HCUZ (3)	BOUNDED LOGNORMAL-N	-4.08	.75	.0017	.17
23	HCSZ	BOUNDED LOGNORMAL-N	2.3	2.11	.004	9250
24	EVAPTR	UNIFORM	.5	.75		
25	WIND	BOUNDED LOGNORMAL-N	1.445	.2419	1.4	13
26	RUNOFF	UNIFORM	.1	.8		
27	INHALR	TRIANGULAR	4380	8400	13100	
28	MLINH	CONTINUOUS LINEAR	8	0	0	
				.000008	.0151	
				.000016	.1365	
				.00003	.8119	
				.00004	.9495	
				.00006	.9937	
				.000076	.9983	
				.0001	1	
29	FOTD	TRIANGULAR	0	.0285	.057	
30	SOIL	TRIANGULAR	0	18.3	36.5	
31	FR9	TRIANGULAR	0	.39	1	
32	FPLANT	TRIANGULAR	0	.0285	.057	
33	FMEAT	TRIANGULAR	0	.3	.5	
34	DM	TRIANGULAR	0	.15	.6	
35	DROOT	LOGNORMAL-N	-1.9	.6		
36	AREA	TRIANGULAR	0	57.3	5730	

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0 Nuclide (j)	Peak Time	Peak Dose	Probabilistic Total Dose Summary								
			t=	0.00E+00	1.00E+00	3.00E+00	DOSE(j, t), mrem/yr		1.00E+02	3.00E+02	1.00E+03
Pb-210											
Min	0.00E+00	5.87E-04	5.87E-04	8.46E-08	3.95E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	2.87E+00	2.87E+00	2.66E+00	2.29E+00	1.34E+00	2.94E-01	8.28E-03	8.22E-07	1.15E-20	
Avg	0.00E+00	2.73E-01	2.73E-01	2.40E-01	1.90E-01	9.22E-02	1.65E-02	1.45E-04	3.58E-09	2.71E-23	
Std	0.00E+00	3.00E-01	3.00E-01	2.77E-01	2.35E-01	1.36E-01	3.30E-02	5.73E-04	3.55E-08	4.89E-22	
Ra-226											
Min	0.00E+00	2.64E-03	2.64E-03	6.64E-09	6.68E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	3.70E+00	5.92E+00	5.92E+00	5.74E+00	5.37E+00	4.09E+00	2.51E+00	6.52E-01	8.69E-03	4.76E-09	
Avg	4.87E-03	1.19E+00	1.19E+00	1.05E+00	8.46E-01	4.69E-01	1.38E-01	7.33E-03	3.07E-05	1.09E-11	
Std	1.12E-01	8.76E-01	8.76E-01	8.52E-01	7.90E-01	5.92E-01	2.79E-01	3.63E-02	3.83E-04	2.06E-10	
Ra-228											
Min	0.00E+00	3.29E-02	3.29E-02	4.27E-03	1.70E-03	6.59E-05	4.59E-09	0.00E+00	0.00E+00	0.00E+00	
Max	1.87E+00	8.15E+01	8.15E+01	7.12E+01	5.28E+01	1.85E+01	1.13E+00	5.51E-05	2.63E-17	0.00E+00	
Avg	1.79E-01	1.38E+01	1.37E+01	1.28E+01	1.01E+01	2.98E+00	6.65E-02	6.13E-07	9.71E-20	0.00E+00	
Std	3.93E-01	1.07E+01	1.06E+01	1.02E+01	8.69E+00	3.28E+00	1.26E-01	3.14E-06	1.24E-18	0.00E+00	
Th-228											
Min	0.00E+00	3.60E-02	3.60E-02	2.50E-02	1.21E-02	9.54E-04	1.68E-07	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	3.10E+01	3.10E+01	2.16E+01	1.05E+01	8.27E-01	5.87E-04	5.58E-15	0.00E+00	0.00E+00	
Avg	0.00E+00	8.46E+00	8.46E+00	5.88E+00	2.85E+00	2.24E-01	1.57E-04	1.43E-15	0.00E+00	0.00E+00	
Std	0.00E+00	5.68E+00	5.68E+00	3.95E+00	1.92E+00	1.52E-01	1.08E-04	1.03E-15	0.00E+00	0.00E+00	
Th-230											
Min	0.00E+00	3.40E-03	3.40E-03	3.17E-03	2.74E-03	1.60E-03	2.03E-04	0.00E+00	0.00E+00	0.00E+00	
Max	2.31E+02	4.77E+00	2.14E+00	2.25E+00	2.47E+00	3.11E+00	4.14E+00	4.61E+00	4.69E+00	3.74E+00	
Avg	3.88E+01	5.22E-01	2.30E-01	2.52E-01	2.89E-01	3.74E-01	4.71E-01	5.04E-01	4.49E-01	2.93E-01	
Std	3.51E+01	5.98E-01	2.29E-01	2.43E-01	2.72E-01	3.55E-01	4.91E-01	5.93E-01	5.71E-01	4.52E-01	
Th-232											
Min	3.74E-01	8.42E-03	7.84E-03	8.39E-03	8.25E-03	4.96E-03	7.04E-04	0.00E+00	0.00E+00	0.00E+00	
Max	4.89E+01	6.93E+01	7.93E+00	1.71E+01	3.19E+01	5.81E+01	6.93E+01	6.78E+01	6.27E+01	4.95E+01	
Avg	2.33E+01	1.22E+01	1.13E+00	2.72E+00	5.47E+00	1.05E+01	1.21E+01	1.17E+01	1.03E+01	6.65E+00	
Std	9.24E+00	1.12E+01	9.28E-01	2.17E+00	4.43E+00	9.12E+00	1.12E+01	1.11E+01	1.05E+01	8.35E+00	
\$ALL											
Min	0.00E+00	1.79E-01	1.79E-01	8.51E-02	4.83E-02	9.27E-03	9.66E-04	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	1.13E+02	1.13E+02	1.07E+02	9.89E+01	8.42E+01	7.58E+01	7.23E+01	6.66E+01	5.26E+01	
Avg	0.00E+00	2.50E+01	2.50E+01	2.29E+01	1.97E+01	1.46E+01	1.28E+01	1.22E+01	1.07E+01	6.95E+00	
Std	0.00E+00	1.76E+01	1.76E+01	1.70E+01	1.59E+01	1.34E+01	1.20E+01	1.17E+01	1.10E+01	8.77E+00	

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\$ALL is total dose summed for all nuclides.

0 Probabilistic Risk Summary									
0Nuclide	RISK(j,t)								
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210									
Min		5.74E-08	1.15E-11	5.38E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.23E-05	3.93E-05	3.37E-05	1.98E-05	4.34E-06	1.20E-07	1.19E-11	1.67E-25
Avg		4.12E-06	3.63E-06	2.86E-06	1.37E-06	2.44E-07	2.12E-09	5.21E-14	3.94E-28
Std		4.43E-06	4.10E-06	3.48E-06	2.01E-06	4.85E-07	8.36E-09	5.16E-13	0.00E+00
Ra-226									
Min		2.72E-07	1.36E-12	9.11E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		8.72E-05	8.30E-05	7.79E-05	6.06E-05	4.41E-05	1.11E-05	1.48E-07	8.66E-14
Avg		2.39E-05	2.08E-05	1.64E-05	8.72E-06	2.45E-06	1.26E-07	5.34E-10	1.94E-16
Std		1.57E-05	1.55E-05	1.43E-05	1.05E-05	4.85E-06	6.25E-07	6.68E-09	3.72E-15
Ra-228									
Min		5.37E-06	1.22E-07	4.85E-08	1.89E-09	1.33E-13	0.00E+00	0.00E+00	0.00E+00
Max		2.50E-03	2.18E-03	1.61E-03	5.10E-04	2.98E-05	1.45E-09	6.92E-22	0.00E+00
Avg		3.66E-04	3.42E-04	2.70E-04	7.97E-05	1.77E-06	1.62E-11	2.53E-24	0.00E+00
Std		2.93E-04	2.80E-04	2.34E-04	8.76E-05	3.34E-06	8.21E-11	3.23E-23	0.00E+00
Th-228									
Min		8.96E-07	6.23E-07	3.02E-07	2.38E-08	4.89E-12	0.00E+00	0.00E+00	0.00E+00
Max		8.47E-04	5.89E-04	2.85E-04	2.26E-05	1.60E-08	1.52E-19	0.00E+00	0.00E+00
Avg		2.31E-04	1.60E-04	7.75E-05	6.10E-06	4.27E-09	3.89E-20	0.00E+00	0.00E+00
Std		1.55E-04	1.08E-04	5.22E-05	4.13E-06	2.94E-09	2.82E-20	0.00E+00	0.00E+00
Th-230									
Min		2.61E-08	2.74E-08	2.41E-08	1.42E-08	1.86E-09	0.00E+00	0.00E+00	0.00E+00
Max		1.37E-05	1.52E-05	1.82E-05	2.73E-05	4.28E-05	6.98E-05	7.55E-05	6.04E-05
Avg		1.53E-06	1.96E-06	2.68E-06	4.31E-06	6.11E-06	6.80E-06	6.13E-06	4.11E-06
Std		1.47E-06	1.70E-06	2.21E-06	3.77E-06	6.31E-06	8.29E-06	8.10E-06	6.48E-06
Th-232									
Min		9.01E-09	9.82E-08	1.01E-07	6.47E-08	9.41E-09	0.00E+00	0.00E+00	0.00E+00
Max		4.88E-06	2.74E-04	7.27E-04	1.52E-03	1.81E-03	1.77E-03	1.63E-03	1.32E-03
Avg		5.17E-07	4.19E-05	1.16E-04	2.50E-04	2.95E-04	2.83E-04	2.50E-04	1.62E-04
Std		5.18E-07	3.36E-05	9.54E-05	2.22E-04	2.78E-04	2.75E-04	2.59E-04	2.06E-04
\$ALL									
Min		7.92E-06	2.32E-06	1.10E-06	1.52E-07	1.17E-08	0.00E+00	0.00E+00	0.00E+00
Max		2.97E-03	2.82E-03	2.57E-03	2.12E-03	1.90E-03	1.82E-03	1.68E-03	1.36E-03
Avg		6.26E-04	5.71E-04	4.85E-04	3.50E-04	3.06E-04	2.90E-04	2.56E-04	1.66E-04
Std		4.34E-04	4.21E-04	3.92E-04	3.26E-04	2.91E-04	2.83E-04	2.66E-04	2.12E-04

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 \$ALL is total risk summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Ground External									
0Nuclide	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
Pb-210									
Min		1.92E-06	2.27E-10	1.06E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.83E-03	1.74E-03	1.56E-03	1.08E-03	3.71E-04	1.46E-05	1.60E-09	3.70E-23
Avg		5.96E-04	5.13E-04	3.93E-04	1.80E-04	3.06E-05	2.78E-07	7.57E-12	7.15E-26
Std		3.59E-04	3.42E-04	3.02E-04	1.87E-04	5.12E-05	1.08E-06	7.67E-11	1.37E-24
Ra-226									
Min		1.87E-03	2.24E-09	2.11E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.97E+00	2.87E+00	2.69E+00	2.15E+00	1.16E+00	2.53E-01	4.03E-03	3.02E-09
Avg		7.54E-01	6.50E-01	5.03E-01	2.49E-01	6.02E-02	2.76E-03	1.26E-05	5.02E-12
Std		5.40E-01	5.15E-01	4.61E-01	3.14E-01	1.29E-01	1.51E-02	1.68E-04	1.03E-10
Ra-228									
Min		2.13E-02	4.25E-03	1.69E-03	6.55E-05	4.56E-09	0.00E+00	0.00E+00	0.00E+00
Max		2.84E+01	3.30E+01	3.38E+01	1.64E+01	8.46E-01	4.08E-05	2.38E-17	0.00E+00
Avg		7.26E+00	7.74E+00	6.91E+00	2.27E+00	5.10E-02	4.67E-07	7.54E-20	0.00E+00
Std		5.17E+00	5.95E+00	5.87E+00	2.50E+00	9.89E-02	2.46E-06	9.94E-19	0.00E+00
Th-228									
Min		2.60E-02	1.81E-02	8.75E-03	6.90E-04	1.67E-07	0.00E+00	0.00E+00	0.00E+00
Max		3.09E+01	2.15E+01	1.04E+01	8.24E-01	5.84E-04	5.56E-15	0.00E+00	0.00E+00
Avg		8.38E+00	5.83E+00	2.82E+00	2.22E-01	1.55E-04	1.41E-15	0.00E+00	0.00E+00
Std		5.64E+00	3.93E+00	1.90E+00	1.51E-01	1.07E-04	1.03E-15	0.00E+00	0.00E+00
Th-230									
Min		5.35E-05	9.88E-05	1.76E-04	1.52E-04	2.98E-05	0.00E+00	0.00E+00	0.00E+00
Max		5.98E-02	1.17E-01	2.27E-01	5.58E-01	1.18E+00	1.80E+00	1.92E+00	1.54E+00
Avg		1.68E-02	3.06E-02	5.30E-02	1.02E-01	1.50E-01	1.66E-01	1.50E-01	1.02E-01
Std		1.08E-02	2.11E-02	4.01E-02	9.10E-02	1.64E-01	2.16E-01	2.11E-01	1.70E-01
Th-232									
Min		1.36E-03	2.70E-03	2.91E-03	1.90E-03	2.73E-04	0.00E+00	0.00E+00	0.00E+00
Max		1.65E+00	5.39E+00	1.36E+01	3.49E+01	4.76E+01	4.75E+01	4.53E+01	3.77E+01
Avg		4.29E-01	1.34E+00	3.13E+00	6.79E+00	8.09E+00	7.77E+00	6.86E+00	4.44E+00
Std		3.00E-01	9.77E-01	2.43E+00	5.88E+00	7.54E+00	7.46E+00	7.05E+00	5.65E+00
\$ALL									
Min		5.30E-02	5.05E-02	3.08E-02	4.62E-03	3.08E-04	0.00E+00	0.00E+00	0.00E+00
Max		6.40E+01	6.29E+01	6.07E+01	5.48E+01	5.08E+01	4.94E+01	4.70E+01	3.91E+01
Avg		1.68E+01	1.56E+01	1.34E+01	9.63E+00	8.35E+00	7.94E+00	7.01E+00	4.54E+00
Std		1.17E+01	1.14E+01	1.07E+01	8.86E+00	7.88E+00	7.66E+00	7.25E+00	5.81E+00

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\$ALL is total pathway dose summed for all nuclides.

0 ONuclide (j)	Probabilistic Dose vs Pathway(i): Inhalation (w/o Radon)								
	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
Pb-210									
Min		4.02E-10	5.65E-13	2.64E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.04E-04	8.72E-05	6.59E-05	3.57E-05	7.23E-06	2.03E-07	1.96E-11	2.65E-25
Avg		4.25E-06	3.72E-06	2.91E-06	1.38E-06	2.46E-07	2.39E-09	6.62E-14	4.84E-28
Std		6.97E-06	6.22E-06	5.03E-06	2.65E-06	6.30E-07	1.23E-08	7.29E-13	0.00E+00
Ra-226									
Min		3.18E-10	1.51E-14	4.46E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		8.69E-05	7.65E-05	7.09E-05	5.77E-05	3.31E-05	7.68E-06	1.06E-07	5.87E-14
Avg		3.58E-06	3.36E-06	3.01E-06	2.17E-06	9.07E-07	6.52E-08	2.79E-10	8.98E-17
Std		5.89E-06	5.68E-06	5.32E-06	4.39E-06	2.59E-06	4.14E-07	3.74E-09	1.87E-15
Ra-228									
Min		3.29E-08	5.79E-08	4.75E-08	4.86E-09	5.56E-13	0.00E+00	0.00E+00	0.00E+00
Max		8.51E-03	1.78E-02	2.08E-02	9.57E-03	2.98E-04	1.03E-08	4.88E-21	0.00E+00
Avg		3.48E-04	7.48E-04	9.42E-04	3.81E-04	8.89E-06	8.36E-11	1.27E-23	0.00E+00
Std		5.70E-04	1.24E-03	1.60E-03	7.12E-04	2.41E-05	5.46E-10	1.73E-22	0.00E+00
Th-228									
Min		2.00E-07	1.38E-07	6.59E-08	4.94E-09	3.00E-12	0.00E+00	0.00E+00	0.00E+00
Max		4.55E-02	3.16E-02	1.53E-02	1.21E-03	8.51E-07	7.91E-18	0.00E+00	0.00E+00
Avg		1.83E-03	1.27E-03	6.14E-04	4.83E-05	3.39E-08	3.09E-19	0.00E+00	0.00E+00
Std		2.96E-03	2.06E-03	9.96E-04	7.86E-05	5.54E-08	5.15E-19	0.00E+00	0.00E+00
Th-230									
Min		7.01E-07	6.96E-07	6.88E-07	6.60E-07	5.86E-07	0.00E+00	0.00E+00	0.00E+00
Max		1.59E-01	1.59E-01	1.59E-01	1.58E-01	1.56E-01	1.50E-01	1.34E-01	8.28E-02
Avg		6.39E-03	6.38E-03	6.37E-03	6.33E-03	6.22E-03	5.87E-03	4.98E-03	2.91E-03
Std		1.04E-02	1.03E-02	1.03E-02	1.03E-02	1.02E-02	9.76E-03	8.70E-03	5.91E-03
Th-232									
Min		1.14E-06	1.14E-06	1.14E-06	1.11E-06	1.00E-06	0.00E+00	0.00E+00	0.00E+00
Max		2.58E-01	2.60E-01	2.64E-01	2.74E-01	2.73E-01	2.62E-01	2.31E-01	1.73E-01
Avg		1.04E-02	1.04E-02	1.06E-02	1.11E-02	1.12E-02	1.06E-02	9.04E-03	5.41E-03
Std		1.68E-02	1.69E-02	1.72E-02	1.81E-02	1.84E-02	1.77E-02	1.60E-02	1.13E-02
\$ALL									
Min		2.07E-06	2.03E-06	1.94E-06	1.78E-06	1.59E-06	0.00E+00	0.00E+00	0.00E+00
Max		4.71E-01	4.68E-01	4.59E-01	4.39E-01	4.29E-01	4.12E-01	3.64E-01	2.53E-01
Avg		1.89E-02	1.88E-02	1.85E-02	1.79E-02	1.74E-02	1.64E-02	1.40E-02	8.31E-03
Std		3.07E-02	3.06E-02	3.02E-02	2.92E-02	2.85E-02	2.75E-02	2.46E-02	1.71E-02

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\$ALL is total pathway dose summed for all nuclides.

0		Probabilistic Dose vs Pathway(i): Radon (Water Ind.)							
0Nuclide		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
Pb-210	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
Ra-226	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
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	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	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-230	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-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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$ALL	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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\$ALL is total pathway dose summed for all nuclides.

0 ONuclide (j)	Probabilistic Dose vs Pathway(i): Plant (Water Ind.)								
	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
Pb-210									
Min		4.39E-04	3.88E-08	1.81E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.55E+00	2.36E+00	2.03E+00	1.19E+00	2.61E-01	7.07E-03	7.01E-07	9.84E-21
Avg		2.10E-01	1.85E-01	1.47E-01	7.11E-02	1.27E-02	1.10E-04	2.63E-09	1.86E-23
Std		2.54E-01	2.33E-01	1.97E-01	1.13E-01	2.69E-02	4.52E-04	2.73E-08	3.52E-22
Ra-226									
Min		4.94E-04	1.56E-09	3.06E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.23E+00	4.13E+00	3.91E+00	3.08E+00	1.29E+00	3.40E-01	4.62E-03	2.34E-09
Avg		3.45E-01	3.15E-01	2.69E-01	1.72E-01	6.07E-02	3.48E-03	1.33E-05	4.04E-12
Std		4.20E-01	4.06E-01	3.77E-01	2.93E-01	1.43E-01	1.82E-02	1.76E-04	8.00E-11
Ra-228									
Min		7.74E-03	1.89E-05	7.48E-06	2.90E-07	2.01E-11	0.00E+00	0.00E+00	0.00E+00
Max		6.21E+01	5.19E+01	3.61E+01	1.00E+01	2.78E-01	1.22E-05	5.79E-18	0.00E+00
Avg		5.08E+00	3.97E+00	2.49E+00	5.56E-01	1.22E-02	1.14E-07	1.63E-20	0.00E+00
Std		6.17E+00	5.10E+00	3.48E+00	9.53E-01	2.98E-02	6.32E-07	2.21E-19	0.00E+00
Th-228									
Min		4.28E-04	2.97E-04	1.43E-04	1.06E-05	7.39E-10	0.00E+00	0.00E+00	0.00E+00
Max		7.92E-01	5.51E-01	2.67E-01	2.11E-02	1.49E-05	1.41E-16	0.00E+00	0.00E+00
Avg		6.72E-02	4.67E-02	2.26E-02	1.78E-03	1.25E-06	1.14E-17	0.00E+00	0.00E+00
Std		7.92E-02	5.51E-02	2.67E-02	2.11E-03	1.49E-06	1.40E-17	0.00E+00	0.00E+00
Th-230									
Min		1.09E-03	1.12E-03	1.14E-03	1.13E-03	1.55E-04	0.00E+00	0.00E+00	0.00E+00
Max		2.03E+00	2.11E+00	2.27E+00	2.74E+00	3.54E+00	3.91E+00	3.70E+00	2.96E+00
Avg		1.72E-01	1.78E-01	1.89E-01	2.18E-01	2.56E-01	2.68E-01	2.37E-01	1.52E-01
Std		2.03E-01	2.11E-01	2.26E-01	2.69E-01	3.38E-01	3.83E-01	3.62E-01	2.77E-01
Th-232									
Min		3.43E-03	4.88E-03	4.15E-03	2.32E-03	3.28E-04	0.00E+00	0.00E+00	0.00E+00
Max		6.81E+00	1.36E+01	2.41E+01	4.12E+01	4.71E+01	4.54E+01	4.04E+01	3.31E+01
Avg		5.70E-01	1.11E+00	1.87E+00	2.93E+00	3.22E+00	3.09E+00	2.72E+00	1.76E+00
Std		6.79E-01	1.35E+00	2.37E+00	3.97E+00	4.51E+00	4.41E+00	4.07E+00	3.06E+00
\$ALL									
Min		1.78E-02	8.04E-03	6.62E-03	3.55E-03	5.01E-04	0.00E+00	0.00E+00	0.00E+00
Max		7.85E+01	7.47E+01	6.87E+01	5.83E+01	5.24E+01	4.93E+01	4.41E+01	3.57E+01
Avg		6.44E+00	5.80E+00	4.98E+00	3.95E+00	3.56E+00	3.36E+00	2.96E+00	1.91E+00
Std		7.81E+00	7.35E+00	6.66E+00	5.56E+00	5.02E+00	4.79E+00	4.43E+00	3.33E+00

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\$ALL is total pathway dose summed for all nuclides.

0 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
Probabilistic Dose vs Pathway(i): Meat (Water Ind.) DOSE(i,j,t), mrem/yr									
Pb-210	Min	8.88E-05	4.54E-08	2.12E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	6.98E-01	6.59E-01	5.88E-01	3.93E-01	1.24E-01	2.27E-03	2.35E-07	5.45E-21
	Avg	6.06E-02	5.34E-02	4.22E-02	2.05E-02	3.74E-03	3.46E-05	9.35E-10	8.39E-24
	Std	6.56E-02	6.05E-02	5.15E-02	3.02E-02	7.72E-03	1.48E-04	1.01E-08	1.67E-22
Ra-226	Min	1.24E-04	2.85E-09	3.58E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	7.71E-01	7.56E-01	7.82E-01	8.00E-01	5.80E-01	1.06E-01	1.59E-03	1.31E-09
	Avg	9.27E-02	8.51E-02	7.30E-02	4.74E-02	1.74E-02	1.08E-03	4.79E-06	1.83E-12
	Std	1.01E-01	9.76E-02	9.13E-02	7.29E-02	3.93E-02	5.71E-03	6.46E-05	3.90E-11
Ra-228	Min	1.91E-03	1.16E-06	4.61E-07	2.21E-08	2.18E-12	0.00E+00	0.00E+00	0.00E+00
	Max	1.12E+01	9.39E+00	6.74E+00	2.25E+00	9.55E-02	3.53E-06	1.64E-18	0.00E+00
	Avg	1.35E+00	1.06E+00	6.58E-01	1.47E-01	3.29E-03	3.26E-08	5.34E-21	0.00E+00
	Std	1.46E+00	1.21E+00	8.27E-01	2.28E-01	7.60E-03	1.78E-07	7.17E-20	0.00E+00
Th-228	Min	5.13E-05	3.34E-05	1.41E-05	6.75E-07	6.67E-11	0.00E+00	0.00E+00	0.00E+00
	Max	1.89E-01	1.32E-01	6.38E-02	5.04E-03	3.57E-06	3.39E-17	0.00E+00	0.00E+00
	Avg	1.01E-02	7.05E-03	3.41E-03	2.68E-04	1.88E-07	1.72E-18	0.00E+00	0.00E+00
	Std	1.43E-02	9.94E-03	4.81E-03	3.80E-04	2.68E-07	2.52E-18	0.00E+00	0.00E+00
Th-230	Min	1.29E-04	1.21E-04	1.04E-04	6.10E-05	7.70E-06	0.00E+00	0.00E+00	0.00E+00
	Max	4.81E-01	4.95E-01	5.25E-01	6.34E-01	9.06E-01	1.22E+00	1.15E+00	8.62E-01
	Avg	2.61E-02	2.78E-02	3.09E-02	3.88E-02	4.97E-02	5.48E-02	4.91E-02	3.23E-02
	Std	3.64E-02	3.76E-02	4.02E-02	4.90E-02	6.63E-02	8.18E-02	7.85E-02	6.03E-02
Th-232	Min	2.97E-04	3.02E-04	2.71E-04	1.82E-04	3.38E-05	0.00E+00	0.00E+00	0.00E+00
	Max	1.27E+00	2.44E+00	4.34E+00	7.79E+00	9.39E+00	9.31E+00	8.86E+00	7.37E+00
	Avg	1.01E-01	2.42E-01	4.43E-01	7.24E-01	8.02E-01	7.69E-01	6.79E-01	4.40E-01
	Std	1.12E-01	2.62E-01	5.02E-01	8.82E-01	1.02E+00	9.94E-01	9.23E-01	7.05E-01
\$ALL	Min	2.60E-03	4.57E-04	3.90E-04	2.43E-04	4.15E-05	0.00E+00	0.00E+00	0.00E+00
	Max	1.40E+01	1.36E+01	1.30E+01	1.19E+01	1.11E+01	1.06E+01	1.00E+01	8.23E+00
	Avg	1.64E+00	1.47E+00	1.25E+00	9.78E-01	8.76E-01	8.25E-01	7.28E-01	4.73E-01
	Std	1.76E+00	1.66E+00	1.50E+00	1.24E+00	1.12E+00	1.07E+00	9.93E-01	7.60E-01

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\$ALL is total pathway dose summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Milk (Water Ind.)									
0Nuclide	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
(j)					DOSE(i,j,t),	mrem/yr			
Pb-210	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
Ra-226	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
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	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	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-230	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-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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$ALL	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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\$ALL is total pathway dose summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Soil Ingestion									
0Nuclide	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
Pb-210	Min	3.75E-07	1.53E-10	7.13E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	2.58E-02	2.36E-02	1.98E-02	1.07E-02	1.89E-03	5.15E-05	1.85E-09	1.46E-23
	Avg	1.14E-03	9.88E-04	7.56E-04	3.37E-04	5.33E-05	4.02E-07	7.44E-12	3.87E-26
	Std	1.77E-03	1.58E-03	1.27E-03	6.65E-04	1.44E-04	2.06E-06	7.68E-11	9.67E-25
Ra-226	Min	1.24E-07	3.30E-12	1.20E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	1.13E-02	1.20E-02	1.29E-02	1.25E-02	6.97E-03	1.50E-03	7.13E-06	2.78E-12
	Avg	4.93E-04	4.88E-04	4.72E-04	3.78E-04	1.59E-04	9.02E-06	2.47E-08	6.14E-15
	Std	7.67E-04	7.92E-04	8.20E-04	7.90E-04	4.69E-04	5.61E-05	2.92E-07	1.17E-13
Ra-228	Min	2.01E-06	3.44E-07	1.18E-07	8.19E-09	1.12E-12	0.00E+00	0.00E+00	0.00E+00
	Max	1.70E-01	1.61E-01	1.31E-01	4.19E-02	1.16E-03	3.40E-08	5.74E-21	0.00E+00
	Avg	7.45E-03	6.60E-03	4.89E-03	1.31E-03	2.59E-05	1.90E-10	1.93E-23	0.00E+00
	Std	1.16E-02	1.06E-02	8.35E-03	2.63E-03	7.67E-05	1.25E-09	2.31E-22	0.00E+00
Th-228	Min	2.55E-06	1.74E-06	8.16E-07	5.66E-08	2.58E-11	0.00E+00	0.00E+00	0.00E+00
	Max	8.07E-02	5.62E-02	2.72E-02	2.15E-03	1.52E-06	1.43E-17	0.00E+00	0.00E+00
	Avg	3.69E-03	2.57E-03	1.24E-03	9.77E-05	6.83E-08	6.18E-19	0.00E+00	0.00E+00
	Std	5.61E-03	3.90E-03	1.89E-03	1.49E-04	1.05E-07	9.68E-19	0.00E+00	0.00E+00
Th-230	Min	6.41E-06	6.30E-06	6.08E-06	5.34E-06	3.44E-06	0.00E+00	0.00E+00	0.00E+00
	Max	2.03E-01	2.03E-01	2.03E-01	2.05E-01	2.06E-01	2.03E-01	1.88E-01	1.40E-01
	Avg	9.28E-03	9.28E-03	9.28E-03	9.28E-03	9.20E-03	8.67E-03	7.22E-03	3.90E-03
	Std	1.41E-02	1.41E-02	1.41E-02	1.41E-02	1.41E-02	1.36E-02	1.20E-02	7.76E-03
Th-232	Min	1.04E-05	1.03E-05	1.00E-05	8.78E-06	5.56E-06	0.00E+00	0.00E+00	0.00E+00
	Max	3.35E-01	3.55E-01	3.90E-01	4.57E-01	4.80E-01	4.69E-01	4.36E-01	3.30E-01
	Avg	1.53E-02	1.62E-02	1.75E-02	1.97E-02	2.01E-02	1.90E-02	1.60E-02	8.96E-03
	Std	2.33E-02	2.46E-02	2.68E-02	3.08E-02	3.19E-02	3.07E-02	2.75E-02	1.88E-02
\$ALL	Min	2.19E-05	1.88E-05	1.70E-05	1.42E-05	9.00E-06	0.00E+00	0.00E+00	0.00E+00
	Max	8.26E-01	8.11E-01	7.84E-01	7.29E-01	6.94E-01	6.72E-01	6.24E-01	4.70E-01
	Avg	3.74E-02	3.61E-02	3.42E-02	3.11E-02	2.96E-02	2.76E-02	2.32E-02	1.29E-02
	Std	5.71E-02	5.56E-02	5.31E-02	4.87E-02	4.64E-02	4.42E-02	3.94E-02	2.64E-02

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\$ALL is total pathway dose summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Water Ingestion									
0Nuclide	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
Pb-210									
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
Ra-226									
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
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	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	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-230									
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-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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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\$ALL is total pathway dose summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Fish Ingestion									
0Nuclide	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
Pb-210									
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
Ra-226									
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
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	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	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-230									
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-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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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\$ALL is total pathway dose summed for all nuclides.

0		Probabilistic Dose vs Pathway(i): Radon (Water Dep.)							
0Nuclide		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
Pb-210	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
Ra-226	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
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	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	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-230	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-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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$ALL	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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\$ALL is total pathway dose summed for all nuclides.

0		Probabilistic Dose vs Pathway(i): Plant (Water Dep.)							
0Nuclide		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
Pb-210									
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
Ra-226									
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
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	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	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-230									
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-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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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\$ALL is total pathway dose summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Meat (Water Dep.)									
0Nuclide	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
(j)					DOSE(i,j,t),	mrem/yr			
Pb-210	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
Ra-226	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
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	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	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-230	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-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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$ALL	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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\$ALL is total pathway dose summed for all nuclides.

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
Pb-210									
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
Ra-226									
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
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	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	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-230									
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-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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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\$ALL is total pathway dose summed for all nuclides.

Peak of the mean dose (averaged over observations) at graphical times

Repetition	Time of peak mean dose Years	Peak mean dose mrem/yr
1	0.000E+00	2.503E+01
2	0.000E+00	2.492E+01
3	0.000E+00	2.478E+01
4	0.000E+00	2.511E+01
5	0.000E+00	2.502E+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 Th-230 in Contaminated Zone	35	0.00	29	0.01	15	0.07	7	0.07
Kd of Th-230 in Unsaturated Zone 1	26	-0.01	20	-0.02	16	0.06	15	0.03
Kd of Th-230 in Unsaturated Zone 2	10	-0.06	14	-0.03	24	0.04	22	0.02
Kd of Th-230 in Saturated Zone	23	-0.02	18	-0.02	30	0.02	27	0.01
Kd of Th-228 in Contaminated Zone	30	-0.01	12	-0.03	13	-0.07	4	-0.11
Kd of Th-228 in Unsaturated Zone 1	29	0.01	31	0.01	35	0.00	34	0.00
Kd of Th-228 in Unsaturated Zone 2	6	-0.11	7	-0.05	23	-0.04	21	-0.02
Kd of Th-228 in Saturated Zone	27	-0.01	13	-0.03	25	-0.03	10	-0.05
Kd of Th-230 in Contaminated Zone	25	0.02	15	0.03	17	0.06	8	0.07
Kd of Th-230 in Unsaturated Zone 1	13	0.05	5	0.07	27	-0.02	26	-0.01
Kd of Th-230 in Unsaturated Zone 2	32	-0.01	33	0.00	7	0.11	9	0.05
Kd of Th-230 in Saturated Zone	12	0.05	17	0.02	10	0.10	11	0.04
Kd of Th-228 in Unsaturated Zone 3	18	0.04	21	0.02	8	0.11	13	0.03
Kd of Th-230 in Unsaturated Zone 3	9	-0.07	10	-0.03	26	-0.02	28	-0.01
Kd of Th-232 in Unsaturated Zone 3	34	0.00	35	0.00	20	-0.05	23	-0.02
Thickness of contaminated zone	1	0.67	1	0.74	1	0.82	1	0.92
Thickness of Unsaturated zone 1	31	-0.01	32	0.00	28	-0.02	29	-0.01
Thickness of Unsaturated zone 2	7	0.10	8	0.05	12	0.07	17	0.02
Thickness of Unsaturated zone 3	21	-0.02	26	-0.01	22	0.04	25	0.01
Hydraulic Conductivity of Unsaturated zone 1	11	0.06	16	0.03	36	0.00	36	0.00
Hydraulic Conductivity of Unsaturated zone 2	19	-0.04	24	-0.02	34	0.00	35	0.00
Hydraulic Conductivity of Unsaturated zone 3	20	-0.04	25	-0.02	19	0.06	20	0.02
Saturated zone hydraulic conductivity	14	-0.05	19	-0.02	14	0.07	18	0.02
Evapotranspiration coefficient	24	-0.02	28	-0.01	21	-0.05	24	-0.01
Wind Speed	33	-0.01	34	0.00	29	0.02	30	0.01
Runoff coefficient	8	-0.07	11	-0.03	33	0.01	33	0.00
Inhalation rate	16	-0.04	22	-0.02	32	-0.01	32	0.00
Mass loading for inhalation	22	0.02	27	0.01	6	-0.12	12	-0.03
Outdoor time fraction	2	0.66	2	0.38	2	0.80	2	0.39
Soil ingestion	5	0.12	6	0.05	11	0.09	16	0.03
Aquatic food	36	0.00	36	0.00	18	-0.06	19	-0.02
Plant food	4	0.32	4	0.15	4	0.32	5	0.10
Meat	28	0.01	30	0.01	31	-0.01	31	0.00
Depth of soil mixing layer	17	-0.04	23	-0.02	9	-0.10	14	-0.03
Depth of roots	3	-0.45	3	-0.22	3	-0.60	3	-0.22
Area of contaminated zone	15	-0.05	9	-0.04	5	0.15	6	0.10
R-SQUARE	0.81		0.81		0.91		0.91	

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

Coefficients for peak 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 Th-230 in Contaminated Zone	30	0.01	19	0.02	33	0.02	20	0.02
Kd of Th-230 in Unsaturated Zone 1	32	0.01	33	0.00	26	-0.03	26	-0.01
Kd of Th-230 in Unsaturated Zone 2	27	-0.02	29	-0.01	18	-0.07	16	-0.02
Kd of Th-230 in Saturated Zone	6	-0.11	6	-0.05	34	0.02	30	0.01
Kd of Th-228 in Contaminated Zone	34	0.00	24	-0.01	28	-0.03	9	-0.04
Kd of Th-228 in Unsaturated Zone 1	19	-0.04	22	-0.01	23	-0.05	21	-0.02
Kd of Th-228 in Unsaturated Zone 2	9	-0.08	9	-0.03	14	-0.08	13	-0.03
Kd of Th-228 in Saturated Zone	29	0.01	31	0.01	19	0.06	6	0.07
Kd of Th-230 in Contaminated Zone	22	0.03	7	0.04	25	0.05	8	0.04
Kd of Th-230 in Unsaturated Zone 1	20	0.04	21	0.01	15	-0.07	12	-0.03
Kd of Th-230 in Unsaturated Zone 2	26	-0.02	28	-0.01	31	-0.03	29	-0.01
Kd of Th-230 in Saturated Zone	21	0.03	23	0.01	22	-0.05	24	-0.02
Kd of Th-228 in Unsaturated Zone 3	14	-0.05	16	-0.02	24	-0.05	28	-0.01
Kd of Th-230 in Unsaturated Zone 3	36	0.00	36	0.00	16	-0.07	22	-0.02
Kd of Th-232 in Unsaturated Zone 3	35	0.00	35	0.00	10	-0.10	15	-0.03
Thickness of contaminated zone	1	0.73	1	0.81	1	0.87	1	1.00
Thickness of Unsaturated zone 1	28	-0.02	30	-0.01	9	0.10	14	0.03
Thickness of Unsaturated zone 2	5	-0.12	5	-0.05	17	-0.07	23	-0.02
Thickness of Unsaturated zone 3	16	-0.04	18	-0.02	12	-0.10	18	-0.02
Hydraulic Conductivity of Unsaturated zone 1	24	0.02	26	0.01	29	-0.03	32	-0.01
Hydraulic Conductivity of Unsaturated zone 2	15	0.04	17	0.02	30	0.03	33	0.01
Hydraulic Conductivity of Unsaturated zone 3	17	-0.04	20	-0.02	32	-0.03	34	-0.01
Saturated zone hydraulic conductivity	23	-0.02	25	-0.01	20	0.06	25	0.01
Evapotranspiration coefficient	7	0.10	8	0.04	7	0.15	10	0.04
Wind Speed	31	0.01	32	0.00	21	-0.05	27	-0.01
Runoff coefficient	8	0.09	10	0.03	8	0.12	11	0.03
Inhalation rate	25	-0.02	27	-0.01	11	-0.10	17	-0.02
Mass loading for inhalation	13	0.05	15	0.02	35	-0.02	35	-0.01
Outdoor time fraction	2	0.71	2	0.40	2	0.85	2	0.40
Soil ingestion	11	-0.07	13	-0.03	27	-0.03	31	-0.01
Aquatic food	12	-0.05	14	-0.02	36	0.01	36	0.00
Plant food	4	0.34	4	0.14	4	0.42	5	0.12
Meat	33	0.00	34	0.00	13	0.10	19	0.02
Depth of soil mixing layer	10	-0.08	11	-0.03	6	-0.17	7	-0.04
Depth of roots	3	-0.48	3	-0.22	3	-0.65	3	-0.21
Area of contaminated zone	18	0.04	12	0.03	5	0.27	4	0.16
R-SQUARE	0.85		0.85		0.94		0.94	

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

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

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	22	0.05	7	0.07	34	0.00	32	0.00
Kd of Th-230 in Unsaturated Zone 1	16	0.05	19	0.02	32	0.01	31	0.00
Kd of Th-230 in Unsaturated Zone 2	36	-0.01	36	0.00	12	0.09	11	0.03
Kd of Th-230 in Saturated Zone	27	-0.04	28	-0.02	17	0.05	16	0.02
Kd of Th-228 in Contaminated Zone	19	-0.05	4	-0.11	33	0.01	22	0.01
Kd of Th-228 in Unsaturated Zone 1	26	-0.04	27	-0.02	11	0.10	9	0.04
Kd of Th-228 in Unsaturated Zone 2	28	0.04	29	0.02	21	0.04	18	0.01
Kd of Th-228 in Saturated Zone	33	0.03	33	0.01	23	-0.03	7	-0.04
Kd of Th-230 in Contaminated Zone	30	0.04	8	0.05	15	-0.06	6	-0.05
Kd of Th-230 in Unsaturated Zone 1	11	-0.07	14	-0.03	29	-0.02	28	-0.01
Kd of Th-230 in Unsaturated Zone 2	15	0.06	18	0.02	26	0.03	21	0.01
Kd of Th-230 in Saturated Zone	31	-0.03	31	-0.01	18	0.05	15	0.02
Kd of Th-228 in Unsaturated Zone 3	5	-0.14	9	-0.05	27	-0.02	29	0.00
Kd of Th-230 in Unsaturated Zone 3	9	-0.09	12	-0.03	22	0.04	25	0.01
Kd of Th-232 in Unsaturated Zone 3	29	-0.04	30	-0.01	31	0.01	34	0.00
Thickness of contaminated zone	2	0.70	1	0.71	1	0.87	1	0.94
Thickness of Unsaturated zone 1	23	-0.05	23	-0.02	25	-0.03	27	-0.01
Thickness of Unsaturated zone 2	21	-0.05	24	-0.02	24	-0.03	26	-0.01
Thickness of Unsaturated zone 3	32	-0.03	32	-0.01	35	0.00	35	0.00
Hydraulic Conductivity of Unsaturated zone 1	25	0.04	25	0.02	36	0.00	36	0.00
Hydraulic Conductivity of Unsaturated zone 2	20	-0.05	22	-0.02	20	-0.04	24	-0.01
Hydraulic Conductivity of Unsaturated zone 3	34	-0.02	34	-0.01	9	-0.11	13	-0.02
Saturated zone hydraulic conductivity	35	0.02	35	0.01	14	0.06	19	0.01
Evapotranspiration coefficient	12	-0.07	15	-0.03	28	-0.02	30	0.00
Wind Speed	24	0.04	26	0.02	30	0.01	33	0.00
Runoff coefficient	7	0.10	10	0.04	6	0.18	8	0.04
Inhalation rate	17	0.05	20	0.02	19	0.05	23	0.01
Mass loading for inhalation	8	-0.09	11	-0.04	7	-0.15	10	-0.03
Outdoor time fraction	1	0.75	2	0.43	2	0.87	2	0.41
Soil ingestion	18	0.05	21	0.02	8	0.13	12	0.03
Aquatic food	14	-0.06	17	-0.02	13	-0.07	17	-0.02
Plant food	4	0.29	5	0.11	4	0.42	4	0.11
Meat	10	0.07	13	0.03	10	0.10	14	0.02
Depth of soil mixing layer	13	-0.07	16	-0.03	16	-0.05	20	-0.01
Depth of roots	3	-0.51	3	-0.22	3	-0.73	3	-0.24
Area of contaminated zone	6	-0.13	6	-0.09	5	0.20	5	0.10
R-SQUARE		0.86		0.86		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 of mean dose time Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 4		SRC 4		PRCC 4		SRRC 4	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	32	-0.01	21	-0.02	29	-0.01	23	-0.01
Kd of Th-230 in Unsaturated Zone 1	34	0.00	34	0.00	9	-0.12	8	-0.05
Kd of Th-230 in Unsaturated Zone 2	18	0.04	20	0.02	16	-0.07	13	-0.03
Kd of Th-230 in Saturated Zone	20	-0.03	23	-0.01	17	-0.06	16	-0.02
Kd of Th-228 in Contaminated Zone	30	0.01	15	0.03	33	0.01	21	0.01
Kd of Th-228 in Unsaturated Zone 1	11	-0.09	13	-0.04	30	-0.01	30	0.00
Kd of Th-228 in Unsaturated Zone 2	9	-0.11	6	-0.14	36	0.00	35	0.00
Kd of Th-228 in Saturated Zone	7	-0.12	7	-0.06	18	0.06	6	0.08
Kd of Th-230 in Contaminated Zone	23	-0.02	11	-0.04	35	0.00	31	0.00
Kd of Th-230 in Unsaturated Zone 1	5	0.13	5	0.16	12	-0.10	9	-0.04
Kd of Th-230 in Unsaturated Zone 2	14	-0.05	16	-0.02	32	0.01	32	0.00
Kd of Th-230 in Saturated Zone	24	0.02	26	0.01	15	-0.07	11	-0.03
Kd of Th-228 in Unsaturated Zone 3	22	0.02	25	0.01	26	-0.02	28	0.00
Kd of Th-230 in Unsaturated Zone 3	25	-0.02	27	-0.01	13	-0.08	17	-0.02
Kd of Th-232 in Unsaturated Zone 3	26	-0.02	28	-0.01	28	-0.01	33	0.00
Thickness of contaminated zone	1	0.69	1	0.77	1	0.86	1	0.96
Thickness of Unsaturated zone 1	21	0.03	24	0.01	22	-0.03	24	-0.01
Thickness of Unsaturated zone 2	10	-0.10	10	-0.04	10	-0.11	14	-0.03
Thickness of Unsaturated zone 3	33	0.00	33	0.00	31	-0.01	34	0.00
Hydraulic Conductivity of Unsaturated zone 1	17	-0.04	19	-0.02	19	-0.05	19	-0.01
Hydraulic Conductivity of Unsaturated zone 2	13	-0.08	14	-0.03	25	-0.03	27	-0.01
Hydraulic Conductivity of Unsaturated zone 3	35	0.00	35	0.00	7	-0.12	10	-0.03
Saturated zone hydraulic conductivity	16	0.05	18	0.02	21	0.04	22	0.01
Evapotranspiration coefficient	27	-0.02	29	-0.01	20	0.05	20	0.01
Wind Speed	6	0.12	8	0.05	11	0.10	15	0.03
Runoff coefficient	15	0.05	17	0.02	8	0.12	12	0.03
Inhalation rate	28	-0.01	31	-0.01	23	-0.03	25	-0.01
Mass loading for inhalation	29	0.01	30	0.01	34	0.00	36	0.00
Outdoor time fraction	2	0.68	2	0.40	2	0.83	2	0.38
Soil ingestion	31	-0.01	32	0.00	27	0.02	29	0.00
Aquatic food	8	-0.12	9	-0.05	14	-0.08	18	-0.02
Plant food	4	0.37	4	0.17	4	0.39	5	0.11
Meat	12	0.09	12	0.04	5	0.21	7	0.05
Depth of soil mixing layer	19	-0.03	22	-0.02	24	-0.03	26	-0.01
Depth of roots	3	-0.42	3	-0.20	3	-0.63	3	-0.20
Area of contaminated zone	36	0.00	36	0.00	6	0.20	4	0.11
R-SQUARE		0.82		0.82		0.94		0.94

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

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

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	25	0.02	13	0.03	35	-0.01	26	-0.01
Kd of Th-230 in Unsaturated Zone 1	21	-0.03	23	-0.01	27	-0.01	27	-0.01
Kd of Th-230 in Unsaturated Zone 2	26	0.02	27	0.01	11	0.07	8	0.03
Kd of Th-230 in Saturated Zone	33	0.00	33	0.00	14	-0.06	9	-0.03
Kd of Th-228 in Contaminated Zone	32	0.00	24	-0.01	22	0.03	6	0.05
Kd of Th-228 in Unsaturated Zone 1	14	0.05	16	0.02	17	0.04	18	0.02
Kd of Th-228 in Unsaturated Zone 2	7	-0.10	7	-0.04	32	-0.01	31	0.00
Kd of Th-228 in Saturated Zone	36	0.00	36	0.00	29	-0.01	16	-0.02
Kd of Th-230 in Contaminated Zone	28	-0.01	20	-0.02	24	-0.03	10	-0.03
Kd of Th-230 in Unsaturated Zone 1	6	-0.12	6	-0.05	19	0.03	19	0.02
Kd of Th-230 in Unsaturated Zone 2	34	0.00	34	0.00	6	0.10	7	0.04
Kd of Th-230 in Saturated Zone	24	0.02	28	0.01	34	-0.01	32	0.00
Kd of Th-228 in Unsaturated Zone 3	11	-0.07	14	-0.03	20	-0.03	23	-0.01
Kd of Th-230 in Unsaturated Zone 3	12	0.06	12	0.03	30	0.01	33	0.00
Kd of Th-232 in Unsaturated Zone 3	10	-0.08	8	-0.04	31	-0.01	34	0.00
Thickness of contaminated zone	1	0.69	1	0.73	1	0.84	1	0.96
Thickness of Unsaturated zone 1	29	0.01	30	0.00	18	0.04	22	0.01
Thickness of Unsaturated zone 2	20	-0.03	22	-0.01	28	0.01	30	0.00
Thickness of Unsaturated zone 3	30	-0.01	31	0.00	9	0.09	13	0.02
Hydraulic Conductivity of Unsaturated zone 1	13	0.06	15	0.02	21	-0.03	24	-0.01
Hydraulic Conductivity of Unsaturated zone 2	23	0.02	26	0.01	12	0.06	15	0.02
Hydraulic Conductivity of Unsaturated zone 3	15	-0.05	17	-0.02	23	0.03	25	0.01
Saturated zone hydraulic conductivity	31	0.01	32	0.00	33	0.01	35	0.00
Evapotranspiration coefficient	16	0.05	18	0.02	8	0.09	11	0.03
Wind Speed	22	0.02	25	0.01	13	0.06	17	0.02
Runoff coefficient	35	0.00	35	0.00	7	0.09	12	0.03
Inhalation rate	18	0.04	19	0.02	16	0.05	21	0.01
Mass loading for inhalation	9	-0.08	11	-0.03	25	-0.02	28	-0.01
Outdoor time fraction	2	0.69	2	0.40	2	0.81	2	0.38
Soil ingestion	19	-0.03	21	-0.01	10	-0.09	14	-0.02
Aquatic food	5	0.13	5	0.05	26	-0.02	29	0.00
Plant food	4	0.43	4	0.20	4	0.48	4	0.15
Meat	27	0.01	29	0.01	36	0.00	36	0.00
Depth of soil mixing layer	8	-0.08	10	-0.03	15	-0.05	20	-0.02
Depth of roots	3	-0.45	3	-0.21	3	-0.60	3	-0.21
Area of contaminated zone	17	-0.05	9	-0.04	5	0.20	5	0.13
R-SQUARE		0.83		0.83		0.92		0.92

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

Coefficients for peak All Pathways Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	35	0.00	29	0.01	15	0.06	7	0.07
Kd of Th-230 in Unsaturated Zone 1	26	-0.01	20	-0.02	16	0.06	15	0.03
Kd of Th-230 in Unsaturated Zone 2	10	-0.06	14	-0.03	24	0.04	22	0.02
Kd of Th-230 in Saturated Zone	23	-0.02	18	-0.02	30	0.02	27	0.01
Kd of Th-228 in Contaminated Zone	30	-0.01	12	-0.03	13	-0.07	4	-0.11
Kd of Th-228 in Unsaturated Zone 1	29	0.01	31	0.01	35	0.00	34	0.00
Kd of Th-228 in Unsaturated Zone 2	6	-0.11	7	-0.05	23	-0.04	20	-0.02
Kd of Th-228 in Saturated Zone	27	-0.01	13	-0.03	25	-0.03	10	-0.05
Kd of Th-230 in Contaminated Zone	25	0.02	15	0.03	17	0.06	8	0.07
Kd of Th-230 in Unsaturated Zone 1	13	0.05	5	0.07	27	-0.02	26	-0.01
Kd of Th-230 in Unsaturated Zone 2	32	-0.01	33	0.00	7	0.11	9	0.05
Kd of Th-230 in Saturated Zone	12	0.05	17	0.02	10	0.10	11	0.04
Kd of Th-228 in Unsaturated Zone 3	18	0.04	21	0.02	8	0.11	13	0.03
Kd of Th-230 in Unsaturated Zone 3	9	-0.07	10	-0.03	26	-0.02	28	-0.01
Kd of Th-232 in Unsaturated Zone 3	34	0.00	35	0.00	20	-0.05	23	-0.02
Thickness of contaminated zone	1	0.67	1	0.74	1	0.82	1	0.92
Thickness of Unsaturated zone 1	31	-0.01	32	0.00	28	-0.02	29	-0.01
Thickness of Unsaturated zone 2	7	0.10	8	0.05	12	0.07	17	0.02
Thickness of Unsaturated zone 3	21	-0.02	26	-0.01	22	0.04	25	0.01
Hydraulic Conductivity of Unsaturated zone 1	11	0.06	16	0.03	36	0.00	36	0.00
Hydraulic Conductivity of Unsaturated zone 2	19	-0.04	24	-0.02	34	0.00	35	0.00
Hydraulic Conductivity of Unsaturated zone 3	20	-0.04	25	-0.02	19	0.06	21	0.02
Saturated zone hydraulic conductivity	14	-0.05	19	-0.02	14	0.07	18	0.02
Evapotranspiration coefficient	24	-0.02	28	-0.01	21	-0.05	24	-0.01
Wind Speed	33	-0.01	34	0.00	29	0.02	30	0.00
Runoff coefficient	8	-0.07	11	-0.03	33	0.01	33	0.00
Inhalation rate	16	-0.04	22	-0.02	32	-0.01	32	0.00
Mass loading for inhalation	22	0.02	27	0.01	6	-0.12	12	-0.03
Outdoor time fraction	2	0.66	2	0.38	2	0.80	2	0.39
Soil ingestion	5	0.12	6	0.05	11	0.09	16	0.03
Aquatic food	36	0.00	36	0.00	18	-0.06	19	-0.02
Plant food	4	0.32	4	0.15	4	0.32	5	0.10
Meat	28	0.01	30	0.01	31	-0.01	31	0.00
Depth of soil mixing layer	17	-0.04	23	-0.02	9	-0.10	14	-0.03
Depth of roots	3	-0.45	3	-0.22	3	-0.60	3	-0.22
Area of contaminated zone	15	-0.05	9	-0.04	5	0.15	6	0.10
R-SQUARE	0.81		0.81		0.91		0.91	

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

Coefficients for peak All Pathways Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	30	0.01	17	0.02	33	0.02	20	0.02
Kd of Th-230 in Unsaturated Zone 1	32	0.01	33	0.00	26	-0.03	26	-0.01
Kd of Th-230 in Unsaturated Zone 2	27	-0.02	29	-0.01	18	-0.07	16	-0.02
Kd of Th-230 in Saturated Zone	6	-0.11	6	-0.05	34	0.02	30	0.01
Kd of Th-228 in Contaminated Zone	34	0.00	24	-0.01	28	-0.03	8	-0.04
Kd of Th-228 in Unsaturated Zone 1	19	-0.04	22	-0.01	24	-0.05	21	-0.02
Kd of Th-228 in Unsaturated Zone 2	9	-0.08	9	-0.03	14	-0.08	13	-0.03
Kd of Th-228 in Saturated Zone	29	0.01	31	0.01	19	0.06	6	0.07
Kd of Th-230 in Contaminated Zone	22	0.03	7	0.04	25	0.05	9	0.04
Kd of Th-230 in Unsaturated Zone 1	20	0.04	21	0.01	15	-0.07	12	-0.03
Kd of Th-230 in Unsaturated Zone 2	26	-0.02	28	-0.01	31	-0.03	29	-0.01
Kd of Th-230 in Saturated Zone	21	0.03	23	0.01	22	-0.05	24	-0.02
Kd of Th-228 in Unsaturated Zone 3	14	-0.05	16	-0.02	23	-0.05	28	-0.01
Kd of Th-230 in Unsaturated Zone 3	36	0.00	36	0.00	16	-0.07	22	-0.02
Kd of Th-232 in Unsaturated Zone 3	35	0.00	35	0.00	10	-0.10	15	-0.02
Thickness of contaminated zone	1	0.73	1	0.81	1	0.87	1	1.00
Thickness of Unsaturated zone 1	28	-0.02	30	-0.01	9	0.10	14	0.03
Thickness of Unsaturated zone 2	5	-0.12	5	-0.05	17	-0.07	23	-0.02
Thickness of Unsaturated zone 3	16	-0.04	19	-0.02	12	-0.10	18	-0.02
Hydraulic Conductivity of Unsaturated zone 1	24	0.02	26	0.01	29	-0.03	32	-0.01
Hydraulic Conductivity of Unsaturated zone 2	15	0.04	18	0.02	30	0.03	33	0.01
Hydraulic Conductivity of Unsaturated zone 3	17	-0.04	20	-0.02	32	-0.03	34	-0.01
Saturated zone hydraulic conductivity	23	-0.02	25	-0.01	20	0.06	25	0.01
Evapotranspiration coefficient	7	0.10	8	0.04	7	0.15	10	0.04
Wind Speed	31	0.01	32	0.00	21	-0.05	27	-0.01
Runoff coefficient	8	0.09	10	0.03	8	0.12	11	0.03
Inhalation rate	25	-0.02	27	-0.01	11	-0.10	17	-0.02
Mass loading for inhalation	13	0.05	15	0.02	35	-0.02	35	-0.01
Outdoor time fraction	2	0.71	2	0.40	2	0.85	2	0.40
Soil ingestion	11	-0.07	13	-0.03	27	-0.03	31	-0.01
Aquatic food	12	-0.05	14	-0.02	36	0.01	36	0.00
Plant food	4	0.34	4	0.14	4	0.42	5	0.12
Meat	33	0.00	34	0.00	13	0.10	19	0.02
Depth of soil mixing layer	10	-0.08	11	-0.03	6	-0.17	7	-0.04
Depth of roots	3	-0.48	3	-0.22	3	-0.65	3	-0.21
Area of contaminated zone	18	0.04	12	0.03	5	0.27	4	0.17
R-SQUARE	0.85		0.85		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 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 Th-230 in Contaminated Zone	22	0.05	7	0.07	34	0.00	32	0.00
Kd of Th-230 in Unsaturated Zone 1	16	0.05	19	0.02	32	0.01	31	0.00
Kd of Th-230 in Unsaturated Zone 2	36	-0.01	36	0.00	12	0.09	11	0.03
Kd of Th-230 in Saturated Zone	27	-0.04	28	-0.02	17	0.05	15	0.02
Kd of Th-228 in Contaminated Zone	19	-0.05	4	-0.11	33	0.01	22	0.01
Kd of Th-228 in Unsaturated Zone 1	26	-0.04	27	-0.02	11	0.10	9	0.04
Kd of Th-228 in Unsaturated Zone 2	28	0.04	29	0.02	21	0.04	18	0.01
Kd of Th-228 in Saturated Zone	33	0.03	33	0.01	22	-0.04	7	-0.04
Kd of Th-230 in Contaminated Zone	30	0.04	8	0.05	15	-0.06	6	-0.05
Kd of Th-230 in Unsaturated Zone 1	11	-0.07	14	-0.03	29	-0.02	28	-0.01
Kd of Th-230 in Unsaturated Zone 2	15	0.06	18	0.02	26	0.03	21	0.01
Kd of Th-230 in Saturated Zone	31	-0.03	31	-0.01	18	0.05	16	0.02
Kd of Th-228 in Unsaturated Zone 3	5	-0.14	9	-0.05	27	-0.02	29	0.00
Kd of Th-230 in Unsaturated Zone 3	9	-0.09	12	-0.03	23	0.04	25	0.01
Kd of Th-232 in Unsaturated Zone 3	29	-0.04	30	-0.01	31	0.01	34	0.00
Thickness of contaminated zone	2	0.70	1	0.71	1	0.87	1	0.94
Thickness of Unsaturated zone 1	23	-0.05	24	-0.02	25	-0.03	27	-0.01
Thickness of Unsaturated zone 2	21	-0.05	23	-0.02	24	-0.03	26	-0.01
Thickness of Unsaturated zone 3	32	-0.03	32	-0.01	35	0.00	35	0.00
Hydraulic Conductivity of Unsaturated zone 1	25	0.04	25	0.02	36	0.00	36	0.00
Hydraulic Conductivity of Unsaturated zone 2	20	-0.05	22	-0.02	20	-0.04	24	-0.01
Hydraulic Conductivity of Unsaturated zone 3	34	-0.02	34	-0.01	9	-0.11	13	-0.02
Saturated zone hydraulic conductivity	35	0.02	35	0.01	14	0.06	19	0.01
Evapotranspiration coefficient	12	-0.07	15	-0.03	28	-0.02	30	0.00
Wind Speed	24	0.04	26	0.02	30	0.01	33	0.00
Runoff coefficient	7	0.10	10	0.04	6	0.18	8	0.04
Inhalation rate	17	0.05	20	0.02	19	0.05	23	0.01
Mass loading for inhalation	8	-0.09	11	-0.04	7	-0.15	10	-0.03
Outdoor time fraction	1	0.75	2	0.43	2	0.87	2	0.41
Soil ingestion	18	0.05	21	0.02	8	0.13	12	0.03
Aquatic food	14	-0.06	17	-0.02	13	-0.07	17	-0.02
Plant food	4	0.29	5	0.11	4	0.42	4	0.11
Meat	10	0.07	13	0.03	10	0.10	14	0.02
Depth of soil mixing layer	13	-0.07	16	-0.03	16	-0.05	20	-0.01
Depth of roots	3	-0.51	3	-0.22	3	-0.73	3	-0.24
Area of contaminated zone	6	-0.13	6	-0.09	5	0.20	5	0.10
R-SQUARE		0.86		0.86		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 Th-230 in Contaminated Zone	32	-0.01	21	-0.02	29	-0.01	22	-0.01
Kd of Th-230 in Unsaturated Zone 1	35	0.00	34	0.00	9	-0.12	8	-0.05
Kd of Th-230 in Unsaturated Zone 2	18	0.04	20	0.02	16	-0.07	13	-0.03
Kd of Th-230 in Saturated Zone	20	-0.03	23	-0.01	17	-0.06	16	-0.02
Kd of Th-228 in Contaminated Zone	30	0.01	15	0.03	33	0.01	20	0.01
Kd of Th-228 in Unsaturated Zone 1	11	-0.09	13	-0.04	30	-0.01	30	0.00
Kd of Th-228 in Unsaturated Zone 2	9	-0.11	6	-0.14	36	0.00	35	0.00
Kd of Th-228 in Saturated Zone	7	-0.12	7	-0.06	18	0.06	6	0.08
Kd of Th-230 in Contaminated Zone	23	-0.02	11	-0.04	35	0.00	31	0.00
Kd of Th-230 in Unsaturated Zone 1	5	0.13	5	0.16	12	-0.10	9	-0.04
Kd of Th-230 in Unsaturated Zone 2	14	-0.05	16	-0.02	32	0.01	32	0.00
Kd of Th-230 in Saturated Zone	24	0.02	26	0.01	15	-0.07	11	-0.03
Kd of Th-228 in Unsaturated Zone 3	22	0.02	25	0.01	26	-0.02	28	0.00
Kd of Th-230 in Unsaturated Zone 3	25	-0.02	27	-0.01	13	-0.08	17	-0.02
Kd of Th-232 in Unsaturated Zone 3	26	-0.02	28	-0.01	28	-0.01	33	0.00
Thickness of contaminated zone	1	0.69	1	0.77	1	0.86	1	0.96
Thickness of Unsaturated zone 1	21	0.03	24	0.01	22	-0.03	24	-0.01
Thickness of Unsaturated zone 2	10	-0.10	10	-0.04	10	-0.11	14	-0.03
Thickness of Unsaturated zone 3	33	0.00	33	0.00	31	-0.01	34	0.00
Hydraulic Conductivity of Unsaturated zone 1	17	-0.04	19	-0.02	19	-0.05	19	-0.01
Hydraulic Conductivity of Unsaturated zone 2	13	-0.08	14	-0.03	25	-0.03	27	-0.01
Hydraulic Conductivity of Unsaturated zone 3	34	0.00	35	0.00	7	-0.12	10	-0.03
Saturated zone hydraulic conductivity	16	0.05	18	0.02	21	0.04	23	0.01
Evapotranspiration coefficient	27	-0.02	29	-0.01	20	0.05	21	0.01
Wind Speed	6	0.12	8	0.05	11	0.10	15	0.03
Runoff coefficient	15	0.05	17	0.02	8	0.12	12	0.03
Inhalation rate	28	-0.01	31	-0.01	24	-0.03	26	-0.01
Mass loading for inhalation	29	0.01	30	0.01	34	0.00	36	0.00
Outdoor time fraction	2	0.68	2	0.40	2	0.83	2	0.38
Soil ingestion	31	-0.01	32	0.00	27	0.02	29	0.00
Aquatic food	8	-0.12	9	-0.05	14	-0.08	18	-0.02
Plant food	4	0.37	4	0.17	4	0.39	5	0.11
Meat	12	0.09	12	0.04	5	0.21	7	0.05
Depth of soil mixing layer	19	-0.03	22	-0.02	23	-0.03	25	-0.01
Depth of roots	3	-0.42	3	-0.20	3	-0.63	3	-0.20
Area of contaminated zone	36	0.00	36	0.00	6	0.20	4	0.11
R-SQUARE	0.82		0.82		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 All Pathways Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	25	0.02	13	0.03	35	-0.01	26	-0.01
Kd of Th-230 in Unsaturated Zone 1	21	-0.03	23	-0.01	28	-0.01	27	-0.01
Kd of Th-230 in Unsaturated Zone 2	26	0.02	27	0.01	11	0.07	8	0.03
Kd of Th-230 in Saturated Zone	33	0.00	33	0.00	14	-0.06	9	-0.03
Kd of Th-228 in Contaminated Zone	32	0.00	24	-0.01	22	0.03	6	0.05
Kd of Th-228 in Unsaturated Zone 1	14	0.05	16	0.02	17	0.04	18	0.02
Kd of Th-228 in Unsaturated Zone 2	7	-0.10	7	-0.04	32	-0.01	31	0.00
Kd of Th-228 in Saturated Zone	36	0.00	36	0.00	29	-0.01	16	-0.02
Kd of Th-230 in Contaminated Zone	28	-0.01	20	-0.02	24	-0.03	10	-0.03
Kd of Th-230 in Unsaturated Zone 1	6	-0.12	6	-0.05	19	0.03	19	0.02
Kd of Th-230 in Unsaturated Zone 2	34	0.00	34	0.00	6	0.10	7	0.04
Kd of Th-230 in Saturated Zone	24	0.02	28	0.01	34	-0.01	32	0.00
Kd of Th-228 in Unsaturated Zone 3	11	-0.07	14	-0.03	20	-0.03	23	-0.01
Kd of Th-230 in Unsaturated Zone 3	12	0.06	12	0.03	30	0.01	33	0.00
Kd of Th-232 in Unsaturated Zone 3	10	-0.08	8	-0.04	31	-0.01	34	0.00
Thickness of contaminated zone	1	0.69	1	0.73	1	0.84	1	0.96
Thickness of Unsaturated zone 1	29	0.01	30	0.00	18	0.04	22	0.01
Thickness of Unsaturated zone 2	20	-0.03	22	-0.01	27	0.01	30	0.00
Thickness of Unsaturated zone 3	30	-0.01	31	0.00	10	0.09	13	0.02
Hydraulic Conductivity of Unsaturated zone 1	13	0.06	15	0.02	21	-0.03	24	-0.01
Hydraulic Conductivity of Unsaturated zone 2	23	0.02	26	0.01	12	0.07	15	0.02
Hydraulic Conductivity of Unsaturated zone 3	15	-0.05	17	-0.02	23	0.03	25	0.01
Saturated zone hydraulic conductivity	31	0.01	32	0.00	33	0.01	35	0.00
Evapotranspiration coefficient	16	0.05	18	0.02	7	0.09	11	0.03
Wind Speed	22	0.02	25	0.01	13	0.06	17	0.02
Runoff coefficient	35	0.00	35	0.00	8	0.09	12	0.03
Inhalation rate	18	0.04	19	0.02	16	0.05	21	0.01
Mass loading for inhalation	9	-0.08	11	-0.03	25	-0.02	28	-0.01
Outdoor time fraction	2	0.69	2	0.40	2	0.81	2	0.38
Soil ingestion	19	-0.03	21	-0.01	9	-0.09	14	-0.02
Aquatic food	5	0.13	5	0.05	26	-0.02	29	0.00
Plant food	4	0.43	4	0.20	4	0.48	4	0.15
Meat	27	0.01	29	0.01	36	0.00	36	0.00
Depth of soil mixing layer	8	-0.08	10	-0.03	15	-0.05	20	-0.02
Depth of roots	3	-0.45	3	-0.21	3	-0.60	3	-0.21
Area of contaminated zone	17	-0.05	9	-0.04	5	0.20	5	0.13
R-SQUARE		0.83		0.83		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 External Ground Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	20	0.05	5	0.09	10	0.09	5	0.11
Kd of Th-230 in Unsaturated Zone 1	32	0.03	14	0.04	18	0.05	17	0.02
Kd of Th-230 in Unsaturated Zone 2	3	-0.13	7	-0.05	17	0.05	16	0.02
Kd of Th-230 in Saturated Zone	34	-0.01	33	-0.01	32	-0.02	28	-0.01
Kd of Th-228 in Contaminated Zone	26	-0.04	4	-0.10	13	-0.08	3	-0.14
Kd of Th-228 in Unsaturated Zone 1	15	0.06	21	0.03	23	-0.03	22	-0.01
Kd of Th-228 in Unsaturated Zone 2	9	-0.09	15	-0.04	20	-0.03	19	-0.02
Kd of Th-228 in Saturated Zone	23	-0.04	3	-0.10	29	-0.02	15	-0.03
Kd of Th-230 in Contaminated Zone	31	0.03	11	0.05	14	0.07	6	0.09
Kd of Th-230 in Unsaturated Zone 1	13	0.07	6	0.09	26	0.02	23	0.01
Kd of Th-230 in Unsaturated Zone 2	25	0.04	28	0.02	9	0.09	8	0.05
Kd of Th-230 in Saturated Zone	17	0.05	24	0.02	12	0.08	10	0.04
Kd of Th-228 in Unsaturated Zone 3	19	0.05	23	0.02	6	0.12	11	0.04
Kd of Th-230 in Unsaturated Zone 3	8	-0.10	13	-0.04	36	0.00	36	0.00
Kd of Th-232 in Unsaturated Zone 3	30	0.03	32	0.01	33	-0.02	33	-0.01
Thickness of contaminated zone	2	0.66	1	0.66	2	0.76	1	0.86
Thickness of Unsaturated zone 1	28	-0.03	30	-0.01	35	-0.01	35	0.00
Thickness of Unsaturated zone 2	11	0.09	18	0.04	22	0.03	25	0.01
Thickness of Unsaturated zone 3	16	0.06	22	0.02	7	0.11	12	0.04
Hydraulic Conductivity of Unsaturated zone 1	29	0.03	31	0.01	27	0.02	29	0.01
Hydraulic Conductivity of Unsaturated zone 2	12	-0.09	19	-0.03	25	-0.03	27	-0.01
Hydraulic Conductivity of Unsaturated zone 3	18	-0.05	25	-0.02	34	0.01	34	0.00
Saturated zone hydraulic conductivity	4	-0.12	8	-0.05	24	0.03	26	0.01
Evapotranspiration coefficient	27	-0.03	29	-0.01	31	-0.02	32	-0.01
Wind Speed	24	0.04	27	0.02	30	0.02	31	0.01
Runoff coefficient	21	-0.05	26	-0.02	21	-0.03	24	-0.01
Inhalation rate	33	-0.01	34	-0.01	28	0.02	30	0.01
Mass loading for inhalation	6	-0.12	10	-0.05	4	-0.17	7	-0.06
Outdoor time fraction	1	0.84	2	0.61	1	0.87	2	0.57
Soil ingestion	7	0.11	12	0.04	19	0.05	21	0.02
Aquatic food	14	-0.07	20	-0.03	8	-0.09	13	-0.03
Plant food	5	-0.12	9	-0.05	16	-0.05	20	-0.02
Meat	10	-0.09	16	-0.04	5	-0.13	9	-0.04
Depth of soil mixing layer	36	0.01	36	0.00	11	-0.09	14	-0.03
Depth of roots	35	-0.01	35	0.00	15	-0.06	18	-0.02
Area of contaminated zone	22	-0.05	17	-0.04	3	0.18	4	0.14
R-SQUARE	0.85		0.85		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 External Ground Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	18	-0.04	5	-0.07	34	0.02	15	0.03
Kd of Th-230 in Unsaturated Zone 1	32	0.01	33	0.00	20	-0.05	16	-0.02
Kd of Th-230 in Unsaturated Zone 2	24	-0.02	26	-0.01	23	-0.05	18	-0.02
Kd of Th-230 in Saturated Zone	5	-0.10	7	-0.04	27	0.04	25	0.02
Kd of Th-228 in Contaminated Zone	17	0.04	3	0.10	29	-0.03	6	-0.05
Kd of Th-228 in Unsaturated Zone 1	35	0.01	35	0.00	25	-0.04	23	-0.02
Kd of Th-228 in Unsaturated Zone 2	4	-0.12	6	-0.05	8	-0.10	9	-0.04
Kd of Th-228 in Saturated Zone	28	-0.02	30	-0.01	12	0.08	4	0.11
Kd of Th-230 in Contaminated Zone	34	-0.01	19	-0.01	19	0.06	5	0.06
Kd of Th-230 in Unsaturated Zone 1	11	0.07	13	0.03	9	-0.09	8	-0.04
Kd of Th-230 in Unsaturated Zone 2	23	-0.02	23	-0.01	28	-0.04	26	-0.02
Kd of Th-230 in Saturated Zone	13	0.05	15	0.02	32	-0.03	31	-0.01
Kd of Th-228 in Unsaturated Zone 3	16	-0.05	18	-0.02	33	0.02	34	0.01
Kd of Th-230 in Unsaturated Zone 3	26	0.02	28	0.01	7	-0.11	12	-0.03
Kd of Th-232 in Unsaturated Zone 3	27	-0.02	29	-0.01	11	-0.09	14	-0.03
Thickness of contaminated zone	2	0.70	1	0.71	2	0.81	1	0.94
Thickness of Unsaturated zone 1	29	0.01	31	0.01	4	0.15	7	0.04
Thickness of Unsaturated zone 2	6	-0.10	8	-0.04	10	-0.09	13	-0.03
Thickness of Unsaturated zone 3	25	-0.02	27	-0.01	35	-0.02	35	-0.01
Hydraulic Conductivity of Unsaturated zone 1	36	0.00	36	0.00	31	-0.03	33	-0.01
Hydraulic Conductivity of Unsaturated zone 2	33	0.01	34	0.00	36	-0.01	36	0.00
Hydraulic Conductivity of Unsaturated zone 3	7	-0.10	9	-0.04	17	-0.07	22	-0.02
Saturated zone hydraulic conductivity	21	-0.03	22	-0.01	16	0.07	21	0.02
Evapotranspiration coefficient	3	0.18	4	0.07	6	0.11	11	0.03
Wind Speed	19	-0.04	20	-0.01	21	-0.05	27	-0.02
Runoff coefficient	30	0.01	32	0.00	15	0.08	20	0.02
Inhalation rate	10	-0.08	12	-0.03	5	-0.12	10	-0.04
Mass loading for inhalation	12	0.06	14	0.02	26	0.04	30	0.01
Outdoor time fraction	1	0.84	2	0.60	1	0.89	2	0.59
Soil ingestion	14	-0.05	16	-0.02	14	-0.08	19	-0.02
Aquatic food	22	0.02	25	0.01	24	0.05	29	0.01
Plant food	9	-0.08	11	-0.03	22	-0.05	28	-0.02
Meat	8	-0.09	10	-0.03	18	-0.06	24	-0.02
Depth of soil mixing layer	20	-0.04	21	-0.01	13	-0.08	17	-0.02
Depth of roots	15	-0.05	17	-0.02	30	-0.03	32	-0.01
Area of contaminated zone	31	0.01	24	0.01	3	0.29	3	0.21
R-SQUARE	0.86		0.86		0.91		0.91	

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

Coefficients for peak External Ground Dose		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 Th-230 in Contaminated Zone	29	-0.02	17	-0.03	18	-0.05	8	-0.06	
Kd of Th-230 in Unsaturated Zone 1	27	-0.02	29	-0.01	26	0.03	21	0.02	
Kd of Th-230 in Unsaturated Zone 2	23	0.02	26	0.01	12	0.07	12	0.03	
Kd of Th-230 in Saturated Zone	35	-0.01	35	0.00	23	0.04	19	0.02	
Kd of Th-228 in Contaminated Zone	31	0.02	10	0.04	13	0.06	4	0.10	
Kd of Th-228 in Unsaturated Zone 1	36	0.00	36	0.00	9	0.08	11	0.04	
Kd of Th-228 in Unsaturated Zone 2	20	0.04	23	0.02	17	0.06	14	0.03	
Kd of Th-228 in Saturated Zone	33	-0.01	33	0.00	15	-0.06	6	-0.10	
Kd of Th-230 in Contaminated Zone	26	-0.02	16	-0.03	8	-0.09	5	-0.10	
Kd of Th-230 in Unsaturated Zone 1	21	-0.04	24	-0.01	21	0.05	18	0.02	
Kd of Th-230 in Unsaturated Zone 2	4	0.14	5	0.06	36	0.00	35	0.00	
Kd of Th-230 in Saturated Zone	22	-0.03	25	-0.01	20	0.05	17	0.02	
Kd of Th-228 in Unsaturated Zone 3	6	-0.12	7	-0.05	35	0.00	36	0.00	
Kd of Th-230 in Unsaturated Zone 3	11	-0.09	12	-0.03	33	0.01	33	0.00	
Kd of Th-232 in Unsaturated Zone 3	34	-0.01	34	0.00	14	0.06	20	0.02	
Thickness of contaminated zone	2	0.65	1	0.63	2	0.78	1	0.90	
Thickness of Unsaturated zone 1	17	-0.05	20	-0.02	30	-0.02	30	-0.01	
Thickness of Unsaturated zone 2	13	-0.08	15	-0.03	16	-0.06	22	-0.02	
Thickness of Unsaturated zone 3	16	-0.05	19	-0.02	29	0.02	29	0.01	
Hydraulic Conductivity of Unsaturated zone 1	7	0.11	8	0.04	34	-0.01	34	0.00	
Hydraulic Conductivity of Unsaturated zone 2	14	-0.08	14	-0.03	22	-0.04	24	-0.01	
Hydraulic Conductivity of Unsaturated zone 3	19	0.04	22	0.02	7	-0.10	13	-0.03	
Saturated zone hydraulic conductivity	18	-0.05	21	-0.02	19	0.05	23	0.02	
Evapotranspiration coefficient	25	-0.02	28	-0.01	31	-0.01	31	0.00	
Wind Speed	24	0.02	27	0.01	27	-0.03	27	-0.01	
Runoff coefficient	9	0.10	9	0.04	11	0.08	16	0.03	
Inhalation rate	30	0.02	31	0.01	24	0.04	25	0.01	
Mass loading for inhalation	3	-0.15	4	-0.06	5	-0.17	9	-0.05	
Outdoor time fraction	1	0.83	2	0.58	1	0.87	2	0.56	
Soil ingestion	5	0.14	6	0.06	6	0.15	10	0.05	
Aquatic food	15	-0.06	18	-0.03	25	-0.04	26	-0.01	
Plant food	28	-0.02	30	-0.01	28	-0.03	28	-0.01	
Meat	32	-0.01	32	0.00	32	-0.01	32	0.00	
Depth of soil mixing layer	10	-0.09	11	-0.04	10	-0.08	15	-0.03	
Depth of roots	12	-0.09	13	-0.03	3	-0.21	7	-0.07	
Area of contaminated zone	8	-0.11	3	-0.08	4	0.20	3	0.15	
R-SQUARE		0.85		0.85		0.90		0.90	

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

Coefficients for peak External Ground Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 4		SRC 4		PRCC 4		SRRC 4	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	36	0.00	36	0.00	34	0.01	31	0.01
Kd of Th-230 in Unsaturated Zone 1	30	0.01	30	0.01	7	-0.10	4	-0.05
Kd of Th-230 in Unsaturated Zone 2	3	0.16	5	0.07	23	-0.04	14	-0.02
Kd of Th-230 in Saturated Zone	15	-0.04	17	-0.02	8	-0.09	5	-0.05
Kd of Th-228 in Contaminated Zone	28	0.02	8	0.04	33	0.01	27	0.01
Kd of Th-228 in Unsaturated Zone 1	12	-0.05	14	-0.02	27	0.02	29	0.01
Kd of Th-228 in Unsaturated Zone 2	8	-0.08	4	-0.10	36	0.00	36	0.00
Kd of Th-228 in Saturated Zone	5	-0.13	6	-0.05	26	0.02	7	0.03
Kd of Th-230 in Contaminated Zone	25	-0.02	11	-0.03	32	0.01	28	0.01
Kd of Th-230 in Unsaturated Zone 1	6	0.10	3	0.12	19	-0.05	10	-0.03
Kd of Th-230 in Unsaturated Zone 2	14	-0.05	16	-0.02	24	0.03	18	0.02
Kd of Th-230 in Saturated Zone	21	0.03	23	0.01	29	0.01	30	0.01
Kd of Th-228 in Unsaturated Zone 3	24	0.02	25	0.01	6	-0.11	9	-0.03
Kd of Th-230 in Unsaturated Zone 3	34	0.00	34	0.00	11	-0.07	13	-0.02
Kd of Th-232 in Unsaturated Zone 3	16	0.04	18	0.02	28	0.01	32	0.00
Thickness of contaminated zone	2	0.68	1	0.70	2	0.80	1	0.92
Thickness of Unsaturated zone 1	35	0.00	35	0.00	17	-0.06	20	-0.02
Thickness of Unsaturated zone 2	4	-0.13	7	-0.05	4	-0.14	6	-0.04
Thickness of Unsaturated zone 3	13	-0.05	15	-0.02	5	-0.11	8	-0.03
Hydraulic Conductivity of Unsaturated zone 1	31	-0.01	31	-0.01	18	-0.05	22	-0.02
Hydraulic Conductivity of Unsaturated zone 2	32	0.01	32	0.00	9	0.08	11	0.03
Hydraulic Conductivity of Unsaturated zone 3	22	0.02	26	0.01	20	-0.05	23	-0.01
Saturated zone hydraulic conductivity	20	0.03	22	0.01	16	-0.06	21	-0.02
Evapotranspiration coefficient	33	-0.01	33	0.00	12	0.06	15	0.02
Wind Speed	23	-0.02	27	-0.01	30	-0.01	33	0.00
Runoff coefficient	10	0.07	12	0.03	35	0.00	35	0.00
Inhalation rate	17	-0.04	19	-0.02	10	-0.08	12	-0.02
Mass loading for inhalation	19	0.03	21	0.01	22	0.04	25	0.01
Outdoor time fraction	1	0.83	2	0.60	1	0.88	2	0.58
Soil ingestion	11	-0.07	13	-0.03	13	-0.06	16	-0.02
Aquatic food	27	-0.02	29	-0.01	21	-0.04	24	-0.01
Plant food	7	0.09	9	0.04	25	-0.03	26	-0.01
Meat	18	0.03	20	0.01	14	0.06	17	0.02
Depth of soil mixing layer	26	0.02	28	0.01	31	-0.01	34	0.00
Depth of roots	9	0.08	10	0.03	15	0.06	19	0.02
Area of contaminated zone	29	0.01	24	0.01	3	0.25	3	0.18
R-SQUARE		0.85		0.85		0.90		0.90

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

Coefficients for peak External Ground Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	21	0.03	9	0.05	23	0.02	11	0.02
Kd of Th-230 in Unsaturated Zone 1	27	-0.01	28	-0.01	12	-0.05	12	-0.02
Kd of Th-230 in Unsaturated Zone 2	14	0.05	15	0.03	27	-0.01	25	-0.01
Kd of Th-230 in Saturated Zone	20	-0.03	23	-0.01	10	-0.05	10	-0.03
Kd of Th-228 in Contaminated Zone	22	-0.02	7	-0.06	34	0.00	33	0.00
Kd of Th-228 in Unsaturated Zone 1	15	0.05	17	0.02	31	0.01	29	0.00
Kd of Th-228 in Unsaturated Zone 2	7	-0.09	10	-0.04	35	0.00	35	0.00
Kd of Th-228 in Saturated Zone	24	-0.02	25	-0.01	20	0.03	5	0.04
Kd of Th-230 in Contaminated Zone	31	0.01	19	0.02	28	-0.01	19	-0.01
Kd of Th-230 in Unsaturated Zone 1	3	-0.20	3	-0.09	9	-0.07	7	-0.04
Kd of Th-230 in Unsaturated Zone 2	29	0.01	30	0.01	7	0.08	6	0.04
Kd of Th-230 in Saturated Zone	23	0.02	24	0.01	33	0.00	34	0.00
Kd of Th-228 in Unsaturated Zone 3	11	-0.08	13	-0.03	22	0.02	24	0.01
Kd of Th-230 in Unsaturated Zone 3	4	0.15	4	0.08	29	0.01	30	0.00
Kd of Th-232 in Unsaturated Zone 3	6	-0.13	5	-0.07	6	-0.09	9	-0.03
Thickness of contaminated zone	2	0.62	1	0.62	2	0.79	1	0.93
Thickness of Unsaturated zone 1	33	-0.01	33	0.00	11	0.05	14	0.02
Thickness of Unsaturated zone 2	36	0.00	36	0.00	30	0.01	31	0.00
Thickness of Unsaturated zone 3	16	-0.05	18	-0.02	21	0.02	23	0.01
Hydraulic Conductivity of Unsaturated zone 1	25	-0.02	27	-0.01	36	0.00	36	0.00
Hydraulic Conductivity of Unsaturated zone 2	19	-0.03	22	-0.01	19	-0.03	22	-0.01
Hydraulic Conductivity of Unsaturated zone 3	34	0.00	34	0.00	17	0.04	20	0.01
Saturated zone hydraulic conductivity	35	0.00	35	0.00	15	-0.04	17	-0.01
Evapotranspiration coefficient	10	0.08	12	0.03	4	0.13	4	0.04
Wind Speed	26	0.02	26	0.01	32	0.01	32	0.00
Runoff coefficient	30	0.01	31	0.01	18	0.03	21	0.01
Inhalation rate	28	0.01	29	0.01	13	0.04	15	0.01
Mass loading for inhalation	18	-0.04	21	-0.02	24	0.02	26	0.01
Outdoor time fraction	1	0.81	2	0.59	1	0.86	2	0.56
Soil ingestion	12	-0.07	14	-0.03	8	-0.07	13	-0.02
Aquatic food	8	0.08	11	0.04	25	0.02	27	0.01
Plant food	17	0.05	20	0.02	14	0.04	16	0.01
Meat	5	-0.15	8	-0.06	5	-0.10	8	-0.03
Depth of soil mixing layer	13	-0.06	16	-0.03	16	-0.04	18	-0.01
Depth of roots	32	-0.01	32	0.00	26	-0.02	28	0.00
Area of contaminated zone	9	-0.08	6	-0.06	3	0.26	3	0.20
R-SQUARE		0.83		0.83		0.90		0.90

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

Coefficients for peak Inhalation particles Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	18	0.04	7	0.12	23	-0.03	10	-0.04
Kd of Th-230 in Unsaturated Zone 1	19	0.04	9	0.10	31	-0.01	31	-0.01
Kd of Th-230 in Unsaturated Zone 2	12	-0.06	18	-0.05	19	0.04	17	0.02
Kd of Th-230 in Saturated Zone	16	-0.04	10	-0.08	25	-0.03	25	-0.01
Kd of Th-228 in Contaminated Zone	24	-0.03	8	-0.12	26	0.03	7	0.05
Kd of Th-228 in Unsaturated Zone 1	21	-0.03	25	-0.02	14	-0.06	13	-0.03
Kd of Th-228 in Unsaturated Zone 2	17	0.04	22	0.03	27	0.02	26	0.01
Kd of Th-228 in Saturated Zone	29	-0.01	17	-0.05	28	-0.02	12	-0.04
Kd of Th-230 in Contaminated Zone	28	0.02	15	0.06	33	-0.01	28	-0.01
Kd of Th-230 in Unsaturated Zone 1	30	0.01	24	0.03	30	0.01	30	0.01
Kd of Th-230 in Unsaturated Zone 2	32	0.01	33	0.01	8	0.08	8	0.05
Kd of Th-230 in Saturated Zone	20	-0.04	23	-0.03	22	0.03	21	0.02
Kd of Th-228 in Unsaturated Zone 3	25	0.02	28	0.02	34	0.01	34	0.00
Kd of Th-230 in Unsaturated Zone 3	22	-0.03	26	-0.02	32	0.01	33	0.00
Kd of Th-232 in Unsaturated Zone 3	15	-0.05	21	-0.04	36	0.01	36	0.00
Thickness of contaminated zone	6	0.20	2	0.28	3	0.61	1	0.60
Thickness of Unsaturated zone 1	8	-0.09	12	-0.07	9	-0.08	14	-0.03
Thickness of Unsaturated zone 2	26	0.02	29	0.02	21	-0.03	27	-0.01
Thickness of Unsaturated zone 3	35	0.00	35	0.00	7	0.10	11	0.04
Hydraulic Conductivity of Unsaturated zone 1	23	-0.03	27	-0.02	13	0.06	19	0.02
Hydraulic Conductivity of Unsaturated zone 2	36	0.00	36	0.00	35	0.01	35	0.00
Hydraulic Conductivity of Unsaturated zone 3	14	0.05	20	0.04	24	0.03	29	0.01
Saturated zone hydraulic conductivity	7	-0.09	11	-0.07	12	0.06	18	0.02
Evapotranspiration coefficient	13	-0.06	19	-0.04	20	0.04	24	0.01
Wind Speed	5	-0.22	6	-0.17	5	-0.55	5	-0.23
Runoff coefficient	11	0.07	16	0.05	18	-0.05	23	-0.02
Inhalation rate	4	0.30	5	0.23	6	0.47	6	0.19
Mass loading for inhalation	3	0.35	3	0.27	4	0.61	4	0.27
Outdoor time fraction	2	0.35	4	0.27	2	0.72	3	0.37
Soil ingestion	34	0.00	34	0.00	17	0.05	22	0.02
Aquatic food	9	-0.09	13	-0.06	15	-0.06	20	-0.02
Plant food	10	-0.08	14	-0.06	29	0.02	32	0.01
Meat	27	-0.02	30	-0.01	11	-0.07	16	-0.03
Depth of soil mixing layer	1	-0.51	1	-0.44	1	-0.81	2	-0.49
Depth of roots	31	-0.01	32	-0.01	10	-0.07	15	-0.03
Area of contaminated zone	33	0.01	31	0.01	16	0.05	9	0.04
R-SQUARE	0.50		0.50		0.88		0.88	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient 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 Th-230 in Contaminated Zone	22	-0.05	10	-0.12	13	0.10	9	0.13
Kd of Th-230 in Unsaturated Zone 1	34	-0.01	34	0.00	14	0.08	14	0.04
Kd of Th-230 in Unsaturated Zone 2	33	-0.01	33	-0.01	16	0.08	15	0.04
Kd of Th-230 in Saturated Zone	16	-0.06	19	-0.04	17	0.07	16	0.04
Kd of Th-228 in Contaminated Zone	25	0.04	7	0.17	12	-0.10	6	-0.19
Kd of Th-228 in Unsaturated Zone 1	13	0.07	17	0.05	19	0.06	17	0.03
Kd of Th-228 in Unsaturated Zone 2	29	0.02	29	0.02	22	-0.05	19	-0.03
Kd of Th-228 in Saturated Zone	32	-0.01	32	-0.01	31	-0.01	22	-0.02
Kd of Th-230 in Contaminated Zone	14	-0.06	8	-0.16	11	0.11	8	0.13
Kd of Th-230 in Unsaturated Zone 1	6	0.28	6	0.20	34	-0.01	34	0.00
Kd of Th-230 in Unsaturated Zone 2	31	-0.02	31	-0.01	27	0.02	26	0.01
Kd of Th-230 in Saturated Zone	20	-0.05	22	-0.03	24	-0.03	24	-0.02
Kd of Th-228 in Unsaturated Zone 3	19	-0.05	20	-0.03	30	0.01	31	0.01
Kd of Th-230 in Unsaturated Zone 3	24	-0.04	25	-0.03	28	0.02	29	0.01
Kd of Th-232 in Unsaturated Zone 3	23	0.04	24	0.03	21	0.05	23	0.02
Thickness of contaminated zone	5	0.32	2	0.41	4	0.63	1	0.65
Thickness of Unsaturated zone 1	9	-0.10	12	-0.06	9	0.13	13	0.04
Thickness of Unsaturated zone 2	27	-0.04	27	-0.02	36	0.00	36	0.00
Thickness of Unsaturated zone 3	11	-0.09	15	-0.06	15	-0.08	18	-0.03
Hydraulic Conductivity of Unsaturated zone 1	21	-0.05	23	-0.03	23	-0.04	25	-0.02
Hydraulic Conductivity of Unsaturated zone 2	12	0.08	16	0.05	26	0.03	28	0.01
Hydraulic Conductivity of Unsaturated zone 3	10	0.09	14	0.06	18	0.07	20	0.02
Saturated zone hydraulic conductivity	15	-0.06	18	-0.04	25	0.03	27	0.01
Evapotranspiration coefficient	17	-0.05	21	-0.03	20	-0.06	21	-0.02
Wind Speed	4	-0.33	5	-0.22	5	-0.58	5	-0.25
Runoff coefficient	8	0.14	11	0.09	8	0.13	12	0.05
Inhalation rate	7	0.19	9	0.13	6	0.41	7	0.16
Mass loading for inhalation	3	0.35	4	0.24	3	0.70	4	0.34
Outdoor time fraction	2	0.41	3	0.29	2	0.74	3	0.38
Soil ingestion	30	-0.02	30	-0.01	32	0.01	32	0.00
Aquatic food	26	-0.04	26	-0.03	35	0.01	35	0.00
Plant food	35	0.00	35	0.00	33	0.01	33	0.00
Meat	36	0.00	36	0.00	7	-0.14	11	-0.05
Depth of soil mixing layer	1	-0.54	1	-0.42	1	-0.80	2	-0.47
Depth of roots	28	-0.03	28	-0.02	29	0.02	30	0.01
Area of contaminated zone	18	0.05	13	0.06	10	0.12	10	0.09
R-SQUARE	0.60		0.60		0.88		0.88	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient 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 Th-230 in Contaminated Zone	32	-0.01	15	-0.05	14	-0.07	9	-0.09
Kd of Th-230 in Unsaturated Zone 1	27	-0.02	29	-0.02	19	-0.05	14	-0.03
Kd of Th-230 in Unsaturated Zone 2	28	-0.02	30	-0.02	35	0.00	33	0.00
Kd of Th-230 in Saturated Zone	36	0.00	36	0.00	24	0.03	21	0.02
Kd of Th-228 in Contaminated Zone	26	0.03	8	0.14	9	0.08	8	0.15
Kd of Th-228 in Unsaturated Zone 1	20	-0.04	22	-0.03	32	-0.01	32	0.00
Kd of Th-228 in Unsaturated Zone 2	13	-0.06	16	-0.05	30	0.01	29	0.01
Kd of Th-228 in Saturated Zone	21	-0.04	23	-0.03	27	0.02	11	0.03
Kd of Th-230 in Contaminated Zone	34	-0.01	24	-0.03	7	-0.13	7	-0.16
Kd of Th-230 in Unsaturated Zone 1	25	-0.03	28	-0.02	28	-0.02	27	-0.01
Kd of Th-230 in Unsaturated Zone 2	24	0.03	27	0.03	36	0.00	34	0.00
Kd of Th-230 in Saturated Zone	19	0.05	21	0.04	22	-0.04	17	-0.02
Kd of Th-228 in Unsaturated Zone 3	33	0.01	34	0.01	21	0.04	24	0.01
Kd of Th-230 in Unsaturated Zone 3	35	0.00	35	0.00	23	0.04	25	0.01
Kd of Th-232 in Unsaturated Zone 3	29	0.02	31	0.02	25	-0.03	26	-0.01
Thickness of contaminated zone	7	0.15	2	0.23	5	0.61	1	0.58
Thickness of Unsaturated zone 1	18	0.05	20	0.04	31	0.01	35	0.00
Thickness of Unsaturated zone 2	16	0.05	19	0.04	26	0.02	28	0.01
Thickness of Unsaturated zone 3	30	0.02	32	0.01	16	0.06	19	0.02
Hydraulic Conductivity of Unsaturated zone 1	31	0.02	33	0.01	10	-0.08	12	-0.03
Hydraulic Conductivity of Unsaturated zone 2	6	0.17	7	0.14	29	-0.01	30	0.00
Hydraulic Conductivity of Unsaturated zone 3	15	-0.05	17	-0.04	15	-0.07	18	-0.02
Saturated zone hydraulic conductivity	23	0.03	26	0.03	12	0.08	15	0.03
Evapotranspiration coefficient	9	-0.10	10	-0.08	34	0.00	36	0.00
Wind Speed	2	-0.25	3	-0.21	4	-0.62	5	-0.26
Runoff coefficient	14	-0.06	18	-0.04	13	0.08	16	0.02
Inhalation rate	5	0.18	6	0.14	6	0.45	6	0.17
Mass loading for inhalation	4	0.22	5	0.18	3	0.68	4	0.30
Outdoor time fraction	3	0.22	4	0.18	2	0.74	3	0.37
Soil ingestion	22	0.03	25	0.03	8	0.10	10	0.03
Aquatic food	12	-0.07	14	-0.06	18	-0.05	22	-0.02
Plant food	10	-0.08	12	-0.07	17	-0.06	20	-0.02
Meat	11	0.08	13	0.06	20	-0.05	23	-0.02
Depth of soil mixing layer	1	-0.43	1	-0.38	1	-0.83	2	-0.49
Depth of roots	8	-0.10	9	-0.08	11	-0.08	13	-0.03
Area of contaminated zone	17	-0.05	11	-0.08	33	0.00	31	0.00
R-SQUARE		0.40		0.40		0.89		0.89

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

Coefficients for peak Inhalation particles Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 4		SRC 4		PRCC 4		SRRC 4	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	22	-0.04	8	-0.09	34	0.00	33	-0.01
Kd of Th-230 in Unsaturated Zone 1	16	-0.07	17	-0.04	18	0.08	13	0.05
Kd of Th-230 in Unsaturated Zone 2	13	-0.08	15	-0.05	9	0.11	9	0.06
Kd of Th-230 in Saturated Zone	23	-0.04	27	-0.02	21	0.07	16	0.04
Kd of Th-228 in Contaminated Zone	31	0.02	9	0.07	30	0.02	14	0.04
Kd of Th-228 in Unsaturated Zone 1	12	-0.08	14	-0.05	15	0.10	11	0.06
Kd of Th-228 in Unsaturated Zone 2	36	0.00	34	-0.01	13	0.10	10	0.06
Kd of Th-228 in Saturated Zone	5	0.35	5	0.24	14	-0.10	6	-0.18
Kd of Th-230 in Contaminated Zone	30	-0.02	16	-0.05	33	-0.01	28	-0.02
Kd of Th-230 in Unsaturated Zone 1	32	-0.02	23	-0.03	26	0.04	23	0.03
Kd of Th-230 in Unsaturated Zone 2	8	0.11	10	0.07	22	0.06	15	0.04
Kd of Th-230 in Saturated Zone	18	-0.05	21	-0.03	16	0.09	12	0.05
Kd of Th-228 in Unsaturated Zone 3	14	0.07	18	0.04	25	-0.05	27	-0.02
Kd of Th-230 in Unsaturated Zone 3	21	-0.04	26	-0.02	20	-0.07	24	-0.02
Kd of Th-232 in Unsaturated Zone 3	27	-0.03	31	-0.02	19	-0.08	22	-0.03
Thickness of contaminated zone	4	0.38	1	0.46	4	0.64	1	0.64
Thickness of Unsaturated zone 1	35	0.01	36	0.01	24	-0.05	26	-0.02
Thickness of Unsaturated zone 2	24	-0.04	28	-0.02	8	-0.11	18	-0.04
Thickness of Unsaturated zone 3	17	-0.06	20	-0.04	32	-0.01	34	0.00
Hydraulic Conductivity of Unsaturated zone 1	19	0.05	22	0.03	10	-0.10	19	-0.04
Hydraulic Conductivity of Unsaturated zone 2	33	0.01	33	0.01	17	0.09	21	0.03
Hydraulic Conductivity of Unsaturated zone 3	26	-0.03	30	-0.02	27	-0.04	29	-0.01
Saturated zone hydraulic conductivity	20	-0.04	25	-0.03	23	0.06	25	0.02
Evapotranspiration coefficient	29	-0.02	32	-0.01	29	0.04	31	0.01
Wind Speed	7	-0.23	7	-0.14	5	-0.56	5	-0.23
Runoff coefficient	9	-0.10	11	-0.06	7	-0.11	17	-0.04
Inhalation rate	6	0.26	6	0.16	6	0.40	7	0.15
Mass loading for inhalation	3	0.38	4	0.26	3	0.68	4	0.32
Outdoor time fraction	2	0.43	3	0.29	2	0.77	3	0.42
Soil ingestion	15	-0.07	19	-0.04	28	0.04	30	0.01
Aquatic food	10	-0.09	12	-0.05	31	-0.02	32	-0.01
Plant food	11	0.09	13	0.05	35	0.00	35	0.00
Meat	34	0.01	35	0.01	36	0.00	36	0.00
Depth of soil mixing layer	1	-0.57	2	-0.43	1	-0.81	2	-0.47
Depth of roots	25	-0.04	29	-0.02	12	0.10	20	0.03
Area of contaminated zone	28	0.03	24	0.03	11	0.10	8	0.08
R-SQUARE	0.65		0.65		0.88		0.88	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient 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 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	20	-0.04	11	-0.11	33	-0.01	29	-0.01
Kd of Th-230 in Unsaturated Zone 1	25	0.03	22	0.02	24	-0.03	23	-0.02
Kd of Th-230 in Unsaturated Zone 2	19	0.05	20	0.04	30	-0.01	30	-0.01
Kd of Th-230 in Saturated Zone	33	-0.01	33	-0.01	20	-0.04	19	-0.02
Kd of Th-228 in Contaminated Zone	18	0.05	6	0.22	29	0.02	14	0.03
Kd of Th-228 in Unsaturated Zone 1	31	0.01	31	0.01	36	0.01	33	0.00
Kd of Th-228 in Unsaturated Zone 2	34	-0.01	34	0.00	14	-0.07	10	-0.04
Kd of Th-228 in Saturated Zone	28	0.02	28	0.01	19	0.04	8	0.07
Kd of Th-230 in Contaminated Zone	17	-0.06	9	-0.15	26	-0.02	16	-0.03
Kd of Th-230 in Unsaturated Zone 1	30	0.01	29	0.01	22	-0.04	22	-0.02
Kd of Th-230 in Unsaturated Zone 2	21	0.03	21	0.02	27	-0.02	28	-0.01
Kd of Th-230 in Saturated Zone	27	-0.02	27	-0.02	25	-0.02	26	-0.01
Kd of Th-228 in Unsaturated Zone 3	36	0.00	36	0.00	28	0.02	31	0.01
Kd of Th-230 in Unsaturated Zone 3	2	0.44	2	0.40	32	-0.01	34	0.00
Kd of Th-232 in Unsaturated Zone 3	6	-0.26	5	-0.23	13	-0.08	17	-0.02
Thickness of contaminated zone	3	0.33	1	0.43	4	0.66	1	0.66
Thickness of Unsaturated zone 1	11	-0.11	15	-0.07	16	0.06	20	0.02
Thickness of Unsaturated zone 2	29	-0.01	30	-0.01	17	0.06	21	0.02
Thickness of Unsaturated zone 3	10	-0.12	14	-0.08	10	0.10	12	0.03
Hydraulic Conductivity of Unsaturated zone 1	12	0.11	16	0.07	11	-0.10	13	-0.03
Hydraulic Conductivity of Unsaturated zone 2	26	0.03	26	0.02	7	-0.12	9	-0.04
Hydraulic Conductivity of Unsaturated zone 3	16	-0.08	19	-0.05	18	0.05	24	0.02
Saturated zone hydraulic conductivity	35	0.01	35	0.00	15	-0.07	18	-0.02
Evapotranspiration coefficient	23	-0.03	24	-0.02	21	0.04	25	0.01
Wind Speed	7	-0.26	8	-0.18	5	-0.58	5	-0.23
Runoff coefficient	32	0.01	32	0.01	35	-0.01	36	0.00
Inhalation rate	8	0.20	10	0.14	6	0.46	6	0.17
Mass loading for inhalation	5	0.28	7	0.19	3	0.70	4	0.33
Outdoor time fraction	4	0.32	4	0.23	2	0.75	3	0.37
Soil ingestion	9	-0.14	13	-0.10	34	-0.01	35	0.00
Aquatic food	13	0.09	17	0.06	31	-0.01	32	0.00
Plant food	14	0.09	18	0.06	8	-0.11	11	-0.04
Meat	22	-0.03	23	-0.02	23	0.03	27	0.01
Depth of soil mixing layer	1	-0.48	3	-0.36	1	-0.82	2	-0.47
Depth of roots	24	-0.03	25	-0.02	12	0.08	15	0.03
Area of contaminated zone	15	0.08	12	0.10	9	0.10	7	0.08
R-SQUARE		0.58		0.58		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 Radon (WaterInd.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE	0.00		0.00		0.00		0.00	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of 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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

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

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of 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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

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

Description of Probabilistic Variable	PCC 4		SRC 4		PRCC 4		SRRC 4	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

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

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Th-230 in Contaminated Zone	17	-0.03	5	-0.09	11	0.08	5	0.09
Kd of Th-230 in Unsaturated Zone 1	14	-0.04	4	-0.09	16	0.06	12	0.03
Kd of Th-230 in Unsaturated Zone 2	33	-0.01	33	0.00	21	0.05	15	0.02
Kd of Th-230 in Saturated Zone	23	-0.02	15	-0.04	25	0.04	18	0.02
Kd of Th-228 in Contaminated Zone	28	0.01	8	0.05	6	-0.09	4	-0.16
Kd of Th-228 in Unsaturated Zone 1	19	-0.03	23	-0.02	8	0.09	8	0.04
Kd of Th-228 in Unsaturated Zone 2	8	-0.06	12	-0.04	32	-0.02	28	-0.01
Kd of Th-228 in Saturated Zone	22	0.02	6	0.08	22	-0.05	7	-0.07
Kd of Th-230 in Contaminated Zone	36	0.00	36	0.00	12	0.07	6	0.08
Kd of Th-230 in Unsaturated Zone 1	32	0.01	26	0.02	31	0.02	27	0.01
Kd of Th-230 in Unsaturated Zone 2	16	-0.04	20	-0.02	26	0.03	24	0.01
Kd of Th-230 in Saturated Zone	21	0.03	25	0.02	7	0.09	9	0.04
Kd of Th-228 in Unsaturated Zone 3	30	0.01	29	0.01	30	0.02	33	0.01
Kd of Th-230 in Unsaturated Zone 3	25	-0.02	27	-0.01	20	0.05	23	0.01
Kd of Th-232 in Unsaturated Zone 3	26	-0.02	28	-0.01	15	-0.06	19	-0.02
Thickness of contaminated zone	3	0.40	1	0.53	3	0.73	1	0.71
Thickness of Unsaturated zone 1	34	0.01	34	0.00	18	-0.05	21	-0.01
Thickness of Unsaturated zone 2	7	0.07	11	0.05	36	0.00	36	0.00
Thickness of Unsaturated zone 3	5	-0.07	9	-0.05	10	-0.08	14	-0.03
Hydraulic Conductivity of Unsaturated zone 1	11	0.04	16	0.03	35	-0.01	35	0.00
Hydraulic Conductivity of Unsaturated zone 2	27	0.01	30	0.01	28	-0.03	31	-0.01
Hydraulic Conductivity of Unsaturated zone 3	35	-0.01	35	0.00	23	0.05	25	0.01
Saturated zone hydraulic conductivity	18	0.03	22	0.02	5	-0.09	11	-0.03
Evapotranspiration coefficient	29	0.01	31	0.01	17	-0.05	20	-0.02
Wind Speed	12	-0.04	17	-0.03	24	0.04	26	0.01
Runoff coefficient	10	-0.06	14	-0.04	14	0.07	17	0.02
Inhalation rate	13	-0.04	18	-0.03	33	0.02	34	0.01
Mass loading for inhalation	4	0.12	7	0.08	4	-0.12	10	-0.04
Outdoor time fraction	15	-0.04	19	-0.03	19	-0.05	22	-0.01
Soil ingestion	6	0.07	10	0.05	27	-0.03	30	-0.01
Aquatic food	9	0.06	13	0.04	13	-0.07	16	-0.02
Plant food	2	0.49	3	0.37	2	0.80	3	0.41
Meat	31	-0.01	32	-0.01	29	-0.03	32	-0.01
Depth of soil mixing layer	20	-0.03	24	-0.02	9	-0.09	13	-0.03
Depth of roots	1	-0.51	2	-0.38	1	-0.85	2	-0.49
Area of contaminated zone	24	-0.02	21	-0.02	34	-0.01	29	-0.01
R-SQUARE		0.59		0.59		0.91		0.91

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	9	0.06	5	0.14	14	0.06	5	0.06
Kd of Th-230 in Unsaturated Zone 1	36	0.00	36	0.00	31	-0.01	30	0.00
Kd of Th-230 in Unsaturated Zone 2	35	0.00	35	0.00	23	0.03	23	0.01
Kd of Th-230 in Saturated Zone	7	-0.06	11	-0.04	33	0.01	32	0.00
Kd of Th-228 in Contaminated Zone	14	-0.05	4	-0.17	18	-0.05	4	-0.07
Kd of Th-228 in Unsaturated Zone 1	10	-0.06	13	-0.03	19	0.05	16	0.02
Kd of Th-228 in Unsaturated Zone 2	30	-0.01	30	-0.01	29	-0.02	26	-0.01
Kd of Th-228 in Saturated Zone	21	0.03	20	0.02	26	-0.02	11	-0.03
Kd of Th-230 in Contaminated Zone	13	0.05	6	0.12	13	0.06	6	0.06
Kd of Th-230 in Unsaturated Zone 1	24	-0.03	23	-0.02	24	0.02	24	0.01
Kd of Th-230 in Unsaturated Zone 2	32	0.00	32	0.00	21	0.04	18	0.01
Kd of Th-230 in Saturated Zone	33	0.00	33	0.00	34	0.01	34	0.00
Kd of Th-228 in Unsaturated Zone 3	22	-0.03	22	-0.02	10	-0.08	14	-0.02
Kd of Th-230 in Unsaturated Zone 3	28	-0.01	28	-0.01	12	0.06	17	0.02
Kd of Th-232 in Unsaturated Zone 3	29	0.01	29	0.01	11	-0.07	15	-0.02
Thickness of contaminated zone	3	0.50	1	0.63	3	0.77	1	0.75
Thickness of Unsaturated zone 1	20	-0.03	21	-0.02	15	0.05	20	0.01
Thickness of Unsaturated zone 2	4	-0.10	7	-0.06	16	0.05	19	0.01
Thickness of Unsaturated zone 3	17	-0.04	17	-0.02	4	-0.21	7	-0.06
Hydraulic Conductivity of Unsaturated zone 1	23	0.03	24	0.02	28	-0.02	29	-0.01
Hydraulic Conductivity of Unsaturated zone 2	18	0.04	18	0.02	20	-0.04	22	-0.01
Hydraulic Conductivity of Unsaturated zone 3	25	0.02	25	0.01	17	-0.05	21	-0.01
Saturated zone hydraulic conductivity	34	0.00	34	0.00	9	0.09	13	0.02
Evapotranspiration coefficient	27	-0.02	27	-0.01	7	0.11	9	0.03
Wind Speed	16	0.04	16	0.02	32	-0.01	33	0.00
Runoff coefficient	5	0.09	8	0.05	6	0.11	10	0.03
Inhalation rate	12	0.05	15	0.03	35	0.00	36	0.00
Mass loading for inhalation	26	0.02	26	0.01	30	0.01	31	0.00
Outdoor time fraction	31	0.01	31	0.00	8	0.10	12	0.03
Soil ingestion	11	-0.06	14	-0.03	22	0.03	25	0.01
Aquatic food	6	-0.09	9	-0.05	25	-0.02	27	-0.01
Plant food	2	0.56	3	0.39	2	0.81	3	0.37
Meat	8	-0.06	12	-0.04	27	0.02	28	0.01
Depth of soil mixing layer	19	-0.04	19	-0.02	5	-0.14	8	-0.04
Depth of roots	1	-0.57	2	-0.40	1	-0.87	2	-0.47
Area of contaminated zone	15	0.04	10	0.05	36	0.00	35	0.00
R-SQUARE		0.68		0.68		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 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 Th-230 in Contaminated Zone	9	0.07	5	0.19	14	0.06	7	0.06
Kd of Th-230 in Unsaturated Zone 1	5	0.08	8	0.05	11	-0.07	9	-0.03
Kd of Th-230 in Unsaturated Zone 2	25	-0.03	25	-0.02	25	0.02	23	0.01
Kd of Th-230 in Saturated Zone	15	-0.05	16	-0.03	19	-0.04	17	-0.02
Kd of Th-228 in Contaminated Zone	8	-0.07	4	-0.29	16	-0.05	5	-0.08
Kd of Th-228 in Unsaturated Zone 1	10	-0.07	11	-0.04	32	0.01	30	0.01
Kd of Th-228 in Unsaturated Zone 2	31	0.02	30	0.01	27	-0.02	24	-0.01
Kd of Th-228 in Saturated Zone	24	0.03	26	0.02	13	0.06	4	0.09
Kd of Th-230 in Contaminated Zone	12	0.06	6	0.16	17	0.05	8	0.05
Kd of Th-230 in Unsaturated Zone 1	16	-0.05	15	-0.03	4	-0.15	6	-0.07
Kd of Th-230 in Unsaturated Zone 2	17	-0.05	18	-0.03	29	-0.02	26	-0.01
Kd of Th-230 in Saturated Zone	33	-0.02	32	-0.01	24	-0.02	21	-0.01
Kd of Th-228 in Unsaturated Zone 3	7	-0.08	10	-0.05	15	0.05	18	0.01
Kd of Th-230 in Unsaturated Zone 3	28	-0.03	28	-0.02	33	-0.01	33	0.00
Kd of Th-232 in Unsaturated Zone 3	20	-0.04	21	-0.03	12	-0.06	16	-0.02
Thickness of contaminated zone	3	0.43	1	0.57	3	0.74	1	0.72
Thickness of Unsaturated zone 1	32	-0.02	33	-0.01	5	-0.10	11	-0.03
Thickness of Unsaturated zone 2	35	0.01	35	0.00	35	0.00	35	0.00
Thickness of Unsaturated zone 3	23	0.04	24	0.02	18	0.05	20	0.01
Hydraulic Conductivity of Unsaturated zone 1	21	-0.04	22	-0.03	21	-0.03	25	-0.01
Hydraulic Conductivity of Unsaturated zone 2	34	-0.01	34	-0.01	31	-0.01	32	0.00
Hydraulic Conductivity of Unsaturated zone 3	14	-0.05	13	-0.03	34	-0.01	34	0.00
Saturated zone hydraulic conductivity	19	0.04	20	0.03	10	0.07	15	0.02
Evapotranspiration coefficient	11	-0.06	12	-0.04	8	0.08	13	0.02
Wind Speed	18	0.05	19	0.03	23	-0.03	28	-0.01
Runoff coefficient	26	0.03	27	0.02	7	0.09	12	0.03
Inhalation rate	22	0.04	23	0.02	20	0.04	22	0.01
Mass loading for inhalation	36	0.01	36	0.00	30	-0.02	31	0.00
Outdoor time fraction	4	0.10	7	0.06	6	0.09	10	0.03
Soil ingestion	6	-0.08	9	-0.05	36	0.00	36	0.00
Aquatic food	30	-0.02	31	-0.01	22	-0.03	27	-0.01
Plant food	2	0.44	3	0.30	2	0.82	3	0.40
Meat	29	-0.02	29	-0.01	9	-0.08	14	-0.02
Depth of soil mixing layer	13	0.05	14	0.03	26	-0.02	29	-0.01
Depth of roots	1	-0.53	2	-0.39	1	-0.87	2	-0.50
Area of contaminated zone	27	-0.03	17	-0.03	28	0.02	19	0.01
R-SQUARE		0.63		0.63		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 Plant (WaterInd.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC	SRC	PRCC	SRRC
	4	4	4	4
	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Kd of Th-230 in Contaminated Zone	34 -0.01	24 -0.02	32 0.01	22 0.01
Kd of Th-230 in Unsaturated Zone 1	30 -0.01	32 -0.01	4 -0.14	5 -0.06
Kd of Th-230 in Unsaturated Zone 2	10 -0.07	10 -0.05	11 -0.08	8 -0.04
Kd of Th-230 in Saturated Zone	36 0.00	36 0.00	12 -0.07	9 -0.03
Kd of Th-228 in Contaminated Zone	35 0.00	28 -0.01	36 0.00	33 0.00
Kd of Th-228 in Unsaturated Zone 1	11 -0.06	12 -0.04	25 -0.03	19 -0.01
Kd of Th-228 in Unsaturated Zone 2	9 -0.08	5 -0.14	22 0.03	17 0.02
Kd of Th-228 in Saturated Zone	8 -0.08	9 -0.05	13 0.07	4 0.11
Kd of Th-230 in Contaminated Zone	28 -0.02	11 -0.04	29 0.02	15 0.02
Kd of Th-230 in Unsaturated Zone 1	7 0.09	4 0.16	5 -0.11	6 -0.05
Kd of Th-230 in Unsaturated Zone 2	22 -0.03	23 -0.02	6 -0.10	7 -0.05
Kd of Th-230 in Saturated Zone	33 0.01	35 0.01	15 -0.05	12 -0.02
Kd of Th-228 in Unsaturated Zone 3	27 0.02	31 0.01	19 0.04	23 0.01
Kd of Th-230 in Unsaturated Zone 3	26 -0.02	30 -0.01	23 -0.03	26 -0.01
Kd of Th-232 in Unsaturated Zone 3	12 -0.05	13 -0.03	26 -0.03	28 -0.01
Thickness of contaminated zone	3 0.43	1 0.56	3 0.77	1 0.75
Thickness of Unsaturated zone 1	20 0.03	21 0.02	35 0.00	36 0.00
Thickness of Unsaturated zone 2	21 -0.03	22 -0.02	14 0.06	16 0.02
Thickness of Unsaturated zone 3	16 0.04	17 0.03	31 -0.01	32 0.00
Hydraulic Conductivity of Unsaturated zone 1	15 -0.04	16 -0.03	21 0.03	25 0.01
Hydraulic Conductivity of Unsaturated zone 2	6 -0.11	8 -0.07	16 0.05	18 0.01
Hydraulic Conductivity of Unsaturated zone 3	24 -0.02	26 -0.01	9 -0.08	13 -0.02
Saturated zone hydraulic conductivity	13 0.05	14 0.03	33 0.00	35 0.00
Evapotranspiration coefficient	23 -0.03	25 -0.02	17 0.04	20 0.01
Wind Speed	4 0.17	6 0.11	30 0.01	31 0.00
Runoff coefficient	31 0.01	34 0.01	8 0.09	11 0.03
Inhalation rate	25 0.02	27 0.01	10 0.08	14 0.02
Mass loading for inhalation	29 -0.01	33 -0.01	27 -0.02	29 -0.01
Outdoor time fraction	17 0.04	18 0.02	24 -0.03	27 -0.01
Soil ingestion	14 0.04	15 0.03	7 0.10	10 0.03
Aquatic food	5 -0.13	7 -0.08	18 -0.04	21 -0.01
Plant food	2 0.46	3 0.33	2 0.79	3 0.37
Meat	19 -0.03	20 -0.02	20 0.03	24 0.01
Depth of soil mixing layer	18 -0.03	19 -0.02	28 0.02	30 0.01
Depth of roots	1 -0.54	2 -0.41	1 -0.85	2 -0.44
Area of contaminated zone	32 -0.01	29 -0.01	34 0.00	34 0.00
R-SQUARE	0.62	0.62	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 Plant (WaterInd.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	34	0.01	22	0.01	17	-0.04	6	-0.05
Kd of Th-230 in Unsaturated Zone 1	29	-0.01	31	-0.01	22	0.03	20	0.02
Kd of Th-230 in Unsaturated Zone 2	14	-0.04	13	-0.03	7	0.08	9	0.04
Kd of Th-230 in Saturated Zone	18	0.02	21	0.01	18	-0.04	17	-0.02
Kd of Th-228 in Contaminated Zone	32	0.01	9	0.03	19	0.04	4	0.06
Kd of Th-228 in Unsaturated Zone 1	26	0.02	29	0.01	6	0.10	7	0.05
Kd of Th-228 in Unsaturated Zone 2	12	-0.04	15	-0.03	5	-0.11	5	-0.05
Kd of Th-228 in Saturated Zone	25	0.02	27	0.01	36	0.00	36	0.00
Kd of Th-230 in Contaminated Zone	30	-0.01	12	-0.03	25	-0.03	11	-0.03
Kd of Th-230 in Unsaturated Zone 1	17	0.02	19	0.02	21	0.04	18	0.02
Kd of Th-230 in Unsaturated Zone 2	28	-0.02	32	-0.01	20	-0.04	19	-0.02
Kd of Th-230 in Saturated Zone	33	0.01	34	0.00	16	0.04	16	0.02
Kd of Th-228 in Unsaturated Zone 3	20	-0.02	23	-0.01	28	-0.01	28	0.00
Kd of Th-230 in Unsaturated Zone 3	6	-0.06	6	-0.05	26	0.03	26	0.01
Kd of Th-232 in Unsaturated Zone 3	19	0.02	18	0.02	13	-0.05	21	-0.02
Thickness of contaminated zone	3	0.44	1	0.56	3	0.70	1	0.69
Thickness of Unsaturated zone 1	16	0.02	20	0.02	31	-0.01	31	0.00
Thickness of Unsaturated zone 2	15	-0.04	17	-0.02	14	0.04	22	0.01
Thickness of Unsaturated zone 3	11	0.04	14	0.03	15	0.04	23	0.01
Hydraulic Conductivity of Unsaturated zone 1	4	0.08	4	0.05	23	0.03	24	0.01
Hydraulic Conductivity of Unsaturated zone 2	7	0.06	7	0.04	4	0.11	10	0.03
Hydraulic Conductivity of Unsaturated zone 3	10	-0.05	8	-0.03	8	0.08	12	0.03
Saturated zone hydraulic conductivity	31	0.01	33	0.01	12	-0.06	15	-0.02
Evapotranspiration coefficient	23	-0.02	26	-0.01	27	0.02	27	0.01
Wind Speed	35	0.00	36	0.00	32	0.01	32	0.00
Runoff coefficient	22	-0.02	25	-0.01	9	0.07	14	0.02
Inhalation rate	9	0.05	11	0.03	10	0.07	13	0.02
Mass loading for inhalation	8	-0.05	10	-0.03	33	0.01	33	0.00
Outdoor time fraction	24	0.02	28	0.01	34	-0.01	34	0.00
Soil ingestion	21	0.02	24	0.01	24	-0.03	25	-0.01
Aquatic food	5	0.08	5	0.05	35	0.00	35	0.00
Plant food	1	0.54	2	0.40	2	0.80	3	0.41
Meat	13	0.04	16	0.03	29	0.01	29	0.00
Depth of soil mixing layer	27	-0.02	30	-0.01	30	-0.01	30	0.00
Depth of roots	2	-0.51	3	-0.38	1	-0.84	2	-0.48
Area of contaminated zone	36	0.00	35	0.00	11	-0.06	8	-0.04
R-SQUARE	0.62		0.62		0.91		0.91	

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	15	-0.04	4	-0.10	6	-0.11	6	-0.11
Kd of Th-230 in Unsaturated Zone 1	32	-0.01	28	-0.02	36	0.00	36	0.00
Kd of Th-230 in Unsaturated Zone 2	5	0.14	7	0.08	20	0.04	15	0.02
Kd of Th-230 in Saturated Zone	33	0.01	29	0.01	9	0.09	10	0.04
Kd of Th-228 in Contaminated Zone	24	0.02	6	0.09	8	0.09	4	0.14
Kd of Th-228 in Unsaturated Zone 1	18	-0.04	23	-0.02	31	-0.01	29	-0.01
Kd of Th-228 in Unsaturated Zone 2	9	-0.07	12	-0.04	32	-0.01	30	-0.01
Kd of Th-228 in Saturated Zone	27	-0.01	11	-0.04	15	-0.05	8	-0.07
Kd of Th-230 in Contaminated Zone	25	-0.02	13	-0.04	11	-0.08	7	-0.08
Kd of Th-230 in Unsaturated Zone 1	28	0.01	21	0.02	17	0.05	16	0.02
Kd of Th-230 in Unsaturated Zone 2	10	-0.06	14	-0.03	23	0.03	19	0.01
Kd of Th-230 in Saturated Zone	36	0.00	36	0.00	5	0.11	9	0.05
Kd of Th-228 in Unsaturated Zone 3	34	0.01	34	0.00	22	-0.04	24	-0.01
Kd of Th-230 in Unsaturated Zone 3	26	-0.02	30	-0.01	14	0.06	17	0.02
Kd of Th-232 in Unsaturated Zone 3	31	-0.01	33	-0.01	7	-0.10	11	-0.03
Thickness of contaminated zone	3	0.50	1	0.62	3	0.78	1	0.76
Thickness of Unsaturated zone 1	13	0.05	18	0.03	24	0.03	25	0.01
Thickness of Unsaturated zone 2	29	0.01	31	0.01	18	-0.04	21	-0.01
Thickness of Unsaturated zone 3	16	-0.04	20	-0.02	19	-0.04	22	-0.01
Hydraulic Conductivity of Unsaturated zone 1	6	0.09	8	0.05	34	0.01	34	0.00
Hydraulic Conductivity of Unsaturated zone 2	30	0.01	32	0.01	28	0.02	28	0.01
Hydraulic Conductivity of Unsaturated zone 3	21	-0.03	26	-0.02	30	0.02	32	0.00
Saturated zone hydraulic conductivity	20	0.03	25	0.02	35	-0.01	35	0.00
Evapotranspiration coefficient	17	-0.04	22	-0.02	25	-0.03	26	-0.01
Wind Speed	19	-0.03	24	-0.02	26	0.03	27	0.01
Runoff coefficient	22	-0.03	27	-0.02	13	0.07	14	0.02
Inhalation rate	12	-0.05	17	-0.03	21	0.04	23	0.01
Mass loading for inhalation	11	0.05	16	0.03	29	-0.02	31	-0.01
Outdoor time fraction	8	-0.08	10	-0.05	12	-0.07	13	-0.02
Soil ingestion	14	0.04	19	0.02	10	0.08	12	0.02
Aquatic food	35	0.00	35	0.00	33	-0.01	33	0.00
Plant food	7	0.08	9	0.05	16	-0.05	20	-0.01
Meat	2	0.51	3	0.34	2	0.83	3	0.41
Depth of soil mixing layer	4	-0.15	5	-0.09	4	-0.38	5	-0.11
Depth of roots	1	-0.53	2	-0.36	1	-0.85	2	-0.44
Area of contaminated zone	23	-0.03	15	-0.03	27	0.03	18	0.02
R-SQUARE		0.68		0.68		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 Meat (WaterInd.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	25	0.02	7	0.05	34	0.01	31	0.01
Kd of Th-230 in Unsaturated Zone 1	36	0.00	36	0.00	7	0.11	9	0.05
Kd of Th-230 in Unsaturated Zone 2	16	-0.03	19	-0.02	14	0.06	15	0.03
Kd of Th-230 in Saturated Zone	14	-0.03	17	-0.02	30	-0.02	28	-0.01
Kd of Th-228 in Contaminated Zone	26	-0.02	6	-0.07	22	-0.04	6	-0.07
Kd of Th-228 in Unsaturated Zone 1	23	-0.02	26	-0.01	17	0.05	17	0.03
Kd of Th-228 in Unsaturated Zone 2	28	-0.01	29	-0.01	35	0.00	35	0.00
Kd of Th-228 in Saturated Zone	19	0.03	21	0.02	25	-0.03	10	-0.04
Kd of Th-230 in Contaminated Zone	29	0.01	16	0.02	12	0.07	5	0.07
Kd of Th-230 in Unsaturated Zone 1	27	0.02	28	0.01	32	-0.01	32	0.00
Kd of Th-230 in Unsaturated Zone 2	32	-0.01	31	0.00	27	0.03	24	0.01
Kd of Th-230 in Saturated Zone	11	-0.04	15	-0.02	19	0.05	18	0.02
Kd of Th-228 in Unsaturated Zone 3	20	0.02	23	0.02	24	-0.03	26	-0.01
Kd of Th-230 in Unsaturated Zone 3	17	-0.03	20	-0.02	31	-0.01	33	0.00
Kd of Th-232 in Unsaturated Zone 3	30	0.01	30	0.00	26	0.03	27	0.01
Thickness of contaminated zone	1	0.49	1	0.65	3	0.73	1	0.73
Thickness of Unsaturated zone 1	15	-0.03	18	-0.02	18	0.05	21	0.02
Thickness of Unsaturated zone 2	33	0.00	33	0.00	36	0.00	36	0.00
Thickness of Unsaturated zone 3	22	-0.02	25	-0.01	6	-0.20	8	-0.06
Hydraulic Conductivity of Unsaturated zone 1	18	0.03	22	0.02	15	0.06	20	0.02
Hydraulic Conductivity of Unsaturated zone 2	6	0.07	8	0.04	11	-0.09	16	-0.03
Hydraulic Conductivity of Unsaturated zone 3	12	0.04	14	0.03	10	-0.09	13	-0.03
Saturated zone hydraulic conductivity	35	0.00	35	0.00	8	0.11	12	0.03
Evapotranspiration coefficient	8	-0.06	11	-0.04	21	0.05	23	0.01
Wind Speed	9	0.05	12	0.03	20	0.05	22	0.02
Runoff coefficient	5	0.12	5	0.07	5	0.22	7	0.07
Inhalation rate	21	-0.02	24	-0.02	29	0.02	30	0.01
Mass loading for inhalation	31	-0.01	32	0.00	9	0.09	14	0.03
Outdoor time fraction	24	-0.02	27	-0.01	13	0.07	19	0.02
Soil ingestion	10	-0.04	13	-0.03	23	-0.03	25	-0.01
Aquatic food	7	-0.06	10	-0.04	28	0.03	29	0.01
Plant food	34	0.00	34	0.00	33	0.01	34	0.00
Meat	2	0.48	2	0.33	2	0.79	3	0.39
Depth of soil mixing layer	4	-0.18	4	-0.11	4	-0.37	4	-0.12
Depth of roots	3	-0.47	3	-0.33	1	-0.80	2	-0.39
Area of contaminated zone	13	0.04	9	0.04	16	-0.06	11	-0.04
R-SQUARE		0.65		0.65		0.91		0.91

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

Coefficients for peak Meat (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 Th-230 in Contaminated Zone	20	0.07	6	0.16	25	-0.02	13	-0.02
Kd of Th-230 in Unsaturated Zone 1	21	0.07	22	0.04	32	0.00	32	0.00
Kd of Th-230 in Unsaturated Zone 2	24	-0.05	24	-0.03	24	0.03	25	0.01
Kd of Th-230 in Saturated Zone	34	0.00	34	0.00	27	0.02	26	0.01
Kd of Th-228 in Contaminated Zone	17	-0.07	4	-0.24	26	0.02	10	0.03
Kd of Th-228 in Unsaturated Zone 1	32	0.01	32	0.01	21	0.03	24	0.01
Kd of Th-228 in Unsaturated Zone 2	36	0.00	36	0.00	31	-0.02	27	-0.01
Kd of Th-228 in Saturated Zone	10	0.10	13	0.05	29	0.02	12	0.03
Kd of Th-230 in Contaminated Zone	23	0.05	8	0.12	13	-0.06	5	-0.06
Kd of Th-230 in Unsaturated Zone 1	14	-0.08	17	-0.04	8	-0.10	7	-0.04
Kd of Th-230 in Unsaturated Zone 2	18	-0.07	21	-0.04	20	0.04	17	0.02
Kd of Th-230 in Saturated Zone	33	-0.01	33	0.00	19	-0.05	15	-0.02
Kd of Th-228 in Unsaturated Zone 3	29	-0.03	29	-0.02	16	-0.05	21	-0.01
Kd of Th-230 in Unsaturated Zone 3	26	-0.04	26	-0.02	36	0.00	36	0.00
Kd of Th-232 in Unsaturated Zone 3	28	-0.03	28	-0.02	7	-0.11	11	-0.03
Thickness of contaminated zone	3	0.37	1	0.41	3	0.77	1	0.73
Thickness of Unsaturated zone 1	31	0.02	30	0.01	6	-0.14	9	-0.04
Thickness of Unsaturated zone 2	27	0.04	27	0.02	23	0.03	29	0.01
Thickness of Unsaturated zone 3	12	-0.10	15	-0.05	33	0.00	33	0.00
Hydraulic Conductivity of Unsaturated zone 1	19	-0.07	20	-0.04	30	-0.02	31	0.00
Hydraulic Conductivity of Unsaturated zone 2	13	0.09	16	0.05	18	0.05	23	0.01
Hydraulic Conductivity of Unsaturated zone 3	16	-0.08	18	-0.04	15	0.05	20	0.01
Saturated zone hydraulic conductivity	6	0.18	9	0.10	28	0.02	30	0.01
Evapotranspiration coefficient	8	-0.12	11	-0.07	35	0.00	35	0.00
Wind Speed	35	0.00	35	0.00	12	0.07	18	0.02
Runoff coefficient	22	0.06	23	0.03	5	0.14	8	0.04
Inhalation rate	9	0.11	12	0.06	17	-0.05	22	-0.01
Mass loading for inhalation	15	0.08	19	0.04	9	-0.08	14	-0.02
Outdoor time fraction	7	0.15	10	0.08	11	0.08	16	0.02
Soil ingestion	30	0.02	31	0.01	14	0.06	19	0.02
Aquatic food	25	-0.04	25	-0.02	34	0.00	34	0.00
Plant food	11	-0.10	14	-0.05	22	-0.03	28	-0.01
Meat	2	0.58	2	0.40	2	0.83	3	0.39
Depth of soil mixing layer	4	-0.23	7	-0.13	4	-0.28	4	-0.08
Depth of roots	1	-0.59	3	-0.40	1	-0.85	2	-0.43
Area of contaminated zone	5	-0.21	5	-0.22	10	-0.08	6	-0.05
R-SQUARE		0.71		0.71		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 Meat (WaterInd.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 4		SRC 4		PRCC 4		SRRC 4	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	18	-0.04	9	-0.08	16	-0.10	6	-0.11
Kd of Th-230 in Unsaturated Zone 1	32	0.00	31	0.00	8	0.13	10	0.06
Kd of Th-230 in Unsaturated Zone 2	9	-0.10	13	-0.06	24	0.07	17	0.04
Kd of Th-230 in Saturated Zone	28	-0.01	28	-0.01	26	0.06	22	0.03
Kd of Th-228 in Contaminated Zone	24	0.02	12	0.06	19	0.09	5	0.15
Kd of Th-228 in Unsaturated Zone 1	7	-0.12	10	-0.06	21	0.09	14	0.04
Kd of Th-228 in Unsaturated Zone 2	10	-0.09	4	-0.14	15	0.10	13	0.05
Kd of Th-228 in Saturated Zone	14	0.05	16	0.03	6	-0.14	4	-0.22
Kd of Th-230 in Contaminated Zone	35	0.00	34	0.00	20	-0.09	7	-0.10
Kd of Th-230 in Unsaturated Zone 1	12	0.07	5	0.11	9	0.12	11	0.06
Kd of Th-230 in Unsaturated Zone 2	16	-0.04	18	-0.02	14	0.10	12	0.05
Kd of Th-230 in Saturated Zone	34	0.00	35	0.00	5	0.16	8	0.08
Kd of Th-228 in Unsaturated Zone 3	27	-0.01	27	-0.01	32	0.02	32	0.01
Kd of Th-230 in Unsaturated Zone 3	13	-0.05	15	-0.03	10	-0.11	18	-0.03
Kd of Th-232 in Unsaturated Zone 3	11	-0.08	14	-0.04	13	-0.11	19	-0.03
Thickness of contaminated zone	3	0.52	1	0.62	3	0.78	1	0.80
Thickness of Unsaturated zone 1	17	0.04	19	0.02	28	-0.05	28	-0.02
Thickness of Unsaturated zone 2	15	-0.04	17	-0.02	34	-0.01	34	0.00
Thickness of Unsaturated zone 3	30	0.00	30	0.00	22	-0.08	25	-0.02
Hydraulic Conductivity of Unsaturated zone 1	21	-0.03	22	-0.01	36	0.00	36	0.00
Hydraulic Conductivity of Unsaturated zone 2	8	-0.11	11	-0.06	30	0.03	30	0.01
Hydraulic Conductivity of Unsaturated zone 3	20	-0.03	21	-0.02	35	-0.01	35	0.00
Saturated zone hydraulic conductivity	25	-0.01	26	-0.01	33	0.02	33	0.01
Evapotranspiration coefficient	22	0.03	24	0.01	17	0.10	23	0.03
Wind Speed	4	0.18	6	0.10	18	0.09	24	0.03
Runoff coefficient	19	-0.03	20	-0.02	12	0.11	21	0.03
Inhalation rate	23	-0.02	25	-0.01	27	0.06	27	0.02
Mass loading for inhalation	29	0.01	29	0.00	31	0.02	31	0.01
Outdoor time fraction	36	0.00	36	0.00	11	0.11	20	0.03
Soil ingestion	31	0.00	32	0.00	29	0.05	29	0.01
Aquatic food	5	-0.18	7	-0.10	7	-0.14	16	-0.04
Plant food	33	0.00	33	0.00	23	0.08	26	0.02
Meat	2	0.57	3	0.38	2	0.80	3	0.38
Depth of soil mixing layer	6	-0.17	8	-0.10	4	-0.26	9	-0.08
Depth of roots	1	-0.57	2	-0.39	1	-0.81	2	-0.39
Area of contaminated zone	26	-0.01	23	-0.01	25	0.07	15	0.04
R-SQUARE		0.71		0.71		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 Meat (WaterInd.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	21	-0.03	8	-0.06	30	0.01	24	0.01
Kd of Th-230 in Unsaturated Zone 1	14	-0.05	17	-0.03	27	0.02	27	0.01
Kd of Th-230 in Unsaturated Zone 2	13	0.05	16	0.03	18	0.04	16	0.02
Kd of Th-230 in Saturated Zone	35	0.00	35	0.00	15	-0.05	13	-0.03
Kd of Th-228 in Contaminated Zone	15	0.04	4	0.14	35	0.00	31	0.00
Kd of Th-228 in Unsaturated Zone 1	19	0.03	19	0.02	24	0.03	21	0.01
Kd of Th-228 in Unsaturated Zone 2	20	-0.03	21	-0.02	12	-0.08	8	-0.04
Kd of Th-228 in Saturated Zone	33	0.00	33	0.00	20	0.04	6	0.06
Kd of Th-230 in Contaminated Zone	12	-0.06	5	-0.13	29	-0.01	20	-0.01
Kd of Th-230 in Unsaturated Zone 1	26	0.02	26	0.01	17	-0.04	15	-0.02
Kd of Th-230 in Unsaturated Zone 2	28	-0.01	28	0.00	36	0.00	35	0.00
Kd of Th-230 in Saturated Zone	34	0.00	34	0.00	11	-0.08	9	-0.04
Kd of Th-228 in Unsaturated Zone 3	29	-0.01	29	0.00	16	0.05	19	0.01
Kd of Th-230 in Unsaturated Zone 3	25	-0.02	22	-0.01	26	0.02	29	0.01
Kd of Th-232 in Unsaturated Zone 3	36	0.00	36	0.00	23	0.03	26	0.01
Thickness of contaminated zone	1	0.54	1	0.68	3	0.72	1	0.70
Thickness of Unsaturated zone 1	24	-0.02	25	-0.01	22	-0.03	25	-0.01
Thickness of Unsaturated zone 2	22	-0.02	23	-0.01	19	0.04	22	0.01
Thickness of Unsaturated zone 3	16	-0.04	18	-0.02	14	0.06	18	0.02
Hydraulic Conductivity of Unsaturated zone 1	10	0.06	14	0.03	25	-0.02	28	-0.01
Hydraulic Conductivity of Unsaturated zone 2	31	0.00	31	0.00	28	0.02	30	0.00
Hydraulic Conductivity of Unsaturated zone 3	7	-0.10	10	-0.06	31	0.01	32	0.00
Saturated zone hydraulic conductivity	32	0.00	32	0.00	32	0.00	33	0.00
Evapotranspiration coefficient	11	0.06	15	0.03	7	0.09	11	0.03
Wind Speed	8	0.08	11	0.05	33	0.00	34	0.00
Runoff coefficient	18	0.03	20	0.02	10	0.08	14	0.02
Inhalation rate	30	-0.01	30	0.00	34	0.00	36	0.00
Mass loading for inhalation	6	-0.10	9	-0.06	21	0.04	23	0.01
Outdoor time fraction	23	0.02	24	0.01	5	-0.17	7	-0.05
Soil ingestion	27	-0.02	27	-0.01	6	-0.10	10	-0.03
Aquatic food	5	0.12	7	0.07	9	-0.09	12	-0.03
Plant food	9	0.08	12	0.05	13	0.06	17	0.02
Meat	2	0.52	2	0.35	2	0.81	3	0.41
Depth of soil mixing layer	4	-0.19	6	-0.11	4	-0.27	4	-0.08
Depth of roots	3	-0.52	3	-0.35	1	-0.81	2	-0.42
Area of contaminated zone	17	0.04	13	0.04	8	-0.09	5	-0.06
R-SQUARE		0.69		0.69		0.91		0.91

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Milk (WaterInd.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 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 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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Milk (WaterInd.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 4		SRC 4		PRCC 4		SRRC 4	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Milk (WaterInd.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 1		SRC 1		PRCC 1		SRRC 1	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	36	0.01	29	0.02	28	0.02	13	0.05
Kd of Th-230 in Unsaturated Zone 1	27	0.03	10	0.07	31	0.02	28	0.02
Kd of Th-230 in Unsaturated Zone 2	9	-0.09	15	-0.06	24	0.03	20	0.02
Kd of Th-230 in Saturated Zone	21	-0.04	13	-0.06	29	-0.02	23	-0.02
Kd of Th-228 in Contaminated Zone	31	0.02	8	0.09	36	0.00	34	0.00
Kd of Th-228 in Unsaturated Zone 1	35	0.01	36	0.01	30	-0.02	24	-0.02
Kd of Th-228 in Unsaturated Zone 2	30	0.02	33	0.02	32	-0.01	33	-0.01
Kd of Th-228 in Saturated Zone	32	-0.02	12	-0.07	23	-0.03	8	-0.08
Kd of Th-230 in Contaminated Zone	20	-0.04	7	-0.11	33	0.01	29	0.02
Kd of Th-230 in Unsaturated Zone 1	25	0.03	14	0.06	12	0.07	12	0.05
Kd of Th-230 in Unsaturated Zone 2	29	0.02	32	0.02	10	0.10	7	0.08
Kd of Th-230 in Saturated Zone	8	-0.09	11	-0.07	14	0.06	14	0.05
Kd of Th-228 in Unsaturated Zone 3	15	0.06	20	0.05	9	0.11	11	0.06
Kd of Th-230 in Unsaturated Zone 3	19	-0.04	26	-0.03	35	0.00	36	0.00
Kd of Th-232 in Unsaturated Zone 3	34	-0.01	35	-0.01	11	-0.07	15	-0.04
Thickness of contaminated zone	6	0.13	4	0.17	4	0.44	1	0.59
Thickness of Unsaturated zone 1	12	-0.07	18	-0.05	18	0.04	21	0.02
Thickness of Unsaturated zone 2	13	0.07	19	0.05	21	-0.03	26	-0.02
Thickness of Unsaturated zone 3	22	-0.03	27	-0.02	7	0.13	9	0.07
Hydraulic Conductivity of Unsaturated zone 1	28	-0.02	31	-0.02	17	0.04	19	0.02
Hydraulic Conductivity of Unsaturated zone 2	16	0.06	22	0.04	16	-0.05	18	-0.03
Hydraulic Conductivity of Unsaturated zone 3	18	0.04	25	0.03	8	0.11	10	0.06
Saturated zone hydraulic conductivity	17	-0.05	23	-0.04	13	-0.06	16	-0.03
Evapotranspiration coefficient	11	-0.08	17	-0.06	22	0.03	27	0.02
Wind Speed	7	0.10	9	0.07	34	0.01	35	0.00
Runoff coefficient	24	-0.03	30	-0.02	20	-0.03	25	-0.02
Inhalation rate	4	0.16	5	0.12	26	0.02	31	0.01
Mass loading for inhalation	33	-0.02	34	-0.01	6	-0.16	6	-0.09
Outdoor time fraction	3	0.42	3	0.33	3	0.56	4	0.37
Soil ingestion	2	0.44	2	0.35	2	0.61	3	0.43
Aquatic food	5	-0.15	6	-0.11	15	-0.06	17	-0.03
Plant food	10	-0.08	16	-0.06	19	0.04	22	0.02
Meat	23	0.03	28	0.02	27	-0.02	32	-0.01
Depth of soil mixing layer	1	-0.52	1	-0.45	1	-0.65	2	-0.47
Depth of roots	14	0.07	21	0.05	25	-0.03	30	-0.01
Area of contaminated zone	26	0.03	24	0.04	5	0.22	5	0.28
R-SQUARE		0.51		0.51		0.70		0.70

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient 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 Th-230 in Contaminated Zone	34	0.01	25	0.02	16	0.06	8	0.11
Kd of Th-230 in Unsaturated Zone 1	19	-0.04	22	-0.03	21	0.04	18	0.03
Kd of Th-230 in Unsaturated Zone 2	27	-0.01	30	-0.01	28	-0.02	26	-0.02
Kd of Th-230 in Saturated Zone	21	-0.03	24	-0.03	26	0.02	27	0.02
Kd of Th-228 in Contaminated Zone	26	-0.02	8	-0.08	10	-0.09	6	-0.24
Kd of Th-228 in Unsaturated Zone 1	35	0.01	35	0.01	19	0.05	16	0.04
Kd of Th-228 in Unsaturated Zone 2	30	-0.01	32	-0.01	25	-0.02	24	-0.02
Kd of Th-228 in Saturated Zone	18	-0.04	19	-0.03	24	0.03	9	0.07
Kd of Th-230 in Contaminated Zone	32	-0.01	21	-0.03	7	0.11	7	0.20
Kd of Th-230 in Unsaturated Zone 1	4	0.23	4	0.18	13	-0.07	11	-0.05
Kd of Th-230 in Unsaturated Zone 2	16	0.05	17	0.04	15	-0.06	14	-0.05
Kd of Th-230 in Saturated Zone	23	-0.03	26	-0.02	30	-0.02	28	-0.01
Kd of Th-228 in Unsaturated Zone 3	13	-0.05	15	-0.04	22	0.04	23	0.02
Kd of Th-230 in Unsaturated Zone 3	36	-0.01	36	0.00	35	0.00	35	0.00
Kd of Th-232 in Unsaturated Zone 3	15	0.05	18	0.04	12	-0.07	17	-0.04
Thickness of contaminated zone	7	0.11	5	0.16	4	0.51	1	0.71
Thickness of Unsaturated zone 1	10	-0.07	11	-0.05	23	0.03	25	0.02
Thickness of Unsaturated zone 2	17	-0.04	20	-0.03	29	0.02	30	0.01
Thickness of Unsaturated zone 3	9	-0.09	10	-0.07	8	-0.10	12	-0.05
Hydraulic Conductivity of Unsaturated zone 1	11	-0.07	12	-0.05	31	-0.02	31	-0.01
Hydraulic Conductivity of Unsaturated zone 2	6	0.14	7	0.11	18	0.05	21	0.03
Hydraulic Conductivity of Unsaturated zone 3	12	0.06	14	0.04	27	-0.02	29	-0.01
Saturated zone hydraulic conductivity	31	-0.01	33	-0.01	17	0.06	20	0.03
Evapotranspiration coefficient	8	-0.09	9	-0.07	20	0.05	22	0.02
Wind Speed	20	-0.04	23	-0.03	33	-0.01	33	0.00
Runoff coefficient	5	0.17	6	0.13	11	0.09	15	0.04
Inhalation rate	33	-0.01	34	-0.01	6	-0.12	10	-0.06
Mass loading for inhalation	29	0.01	31	0.01	14	0.07	19	0.03
Outdoor time fraction	3	0.28	3	0.22	2	0.64	3	0.43
Soil ingestion	2	0.29	2	0.23	3	0.57	4	0.36
Aquatic food	25	0.02	28	0.01	36	0.00	36	0.00
Plant food	24	0.02	27	0.02	32	-0.01	32	-0.01
Meat	28	-0.01	29	-0.01	9	-0.09	13	-0.05
Depth of soil mixing layer	1	-0.51	1	-0.45	1	-0.70	2	-0.50
Depth of roots	14	-0.05	16	-0.04	34	-0.01	34	0.00
Area of contaminated zone	22	-0.03	13	-0.05	5	0.29	5	0.36
R-SQUARE	0.45		0.45		0.73		0.73	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient 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 Th-230 in Contaminated Zone	22	-0.04	7	-0.14	17	-0.07	9	-0.12
Kd of Th-230 in Unsaturated Zone 1	21	-0.05	23	-0.03	33	-0.01	32	-0.01
Kd of Th-230 in Unsaturated Zone 2	32	0.02	32	0.02	10	0.10	11	0.08
Kd of Th-230 in Saturated Zone	29	-0.03	29	-0.02	16	0.07	15	0.06
Kd of Th-228 in Contaminated Zone	12	0.07	3	0.34	13	0.08	6	0.20
Kd of Th-228 in Unsaturated Zone 1	33	-0.01	33	-0.01	15	0.07	17	0.06
Kd of Th-228 in Unsaturated Zone 2	16	-0.06	17	-0.05	7	0.12	10	0.10
Kd of Th-228 in Saturated Zone	23	-0.04	24	-0.03	23	-0.05	8	-0.14
Kd of Th-230 in Contaminated Zone	15	-0.06	5	-0.19	11	-0.09	7	-0.16
Kd of Th-230 in Unsaturated Zone 1	17	-0.06	18	-0.04	14	0.08	13	0.06
Kd of Th-230 in Unsaturated Zone 2	36	0.01	36	0.00	34	-0.01	33	0.00
Kd of Th-230 in Saturated Zone	13	0.07	15	0.05	26	0.03	24	0.02
Kd of Th-228 in Unsaturated Zone 3	25	-0.03	27	-0.03	27	-0.02	27	-0.01
Kd of Th-230 in Unsaturated Zone 3	34	-0.01	34	-0.01	31	-0.01	31	-0.01
Kd of Th-232 in Unsaturated Zone 3	26	0.03	26	0.03	22	0.06	23	0.03
Thickness of contaminated zone	4	0.13	6	0.18	4	0.51	1	0.66
Thickness of Unsaturated zone 1	18	-0.05	20	-0.04	28	-0.02	28	-0.01
Thickness of Unsaturated zone 2	27	0.03	28	0.02	12	-0.08	18	-0.04
Thickness of Unsaturated zone 3	11	0.07	14	0.05	20	0.06	21	0.03
Hydraulic Conductivity of Unsaturated zone 1	14	0.07	16	0.05	25	0.04	26	0.02
Hydraulic Conductivity of Unsaturated zone 2	9	0.09	12	0.07	24	0.04	25	0.02
Hydraulic Conductivity of Unsaturated zone 3	10	-0.08	13	-0.06	19	-0.06	20	-0.03
Saturated zone hydraulic conductivity	20	-0.05	22	-0.03	9	0.12	16	0.06
Evapotranspiration coefficient	19	-0.05	21	-0.04	21	-0.06	22	-0.03
Wind Speed	35	-0.01	35	-0.01	32	0.01	34	0.00
Runoff coefficient	30	-0.02	30	-0.02	29	0.02	29	0.01
Inhalation rate	7	0.10	10	0.07	36	0.00	36	0.00
Mass loading for inhalation	31	-0.02	31	-0.02	6	-0.15	12	-0.07
Outdoor time fraction	3	0.32	4	0.25	3	0.61	4	0.37
Soil ingestion	2	0.45	2	0.38	2	0.69	3	0.47
Aquatic food	5	-0.11	8	-0.08	30	0.01	30	0.01
Plant food	24	-0.03	25	-0.03	35	0.00	35	0.00
Meat	6	0.10	9	0.08	18	-0.07	19	-0.03
Depth of soil mixing layer	1	-0.51	1	-0.44	1	-0.69	2	-0.47
Depth of roots	8	-0.09	11	-0.07	8	-0.12	14	-0.06
Area of contaminated zone	28	-0.03	19	-0.04	5	0.27	5	0.31
R-SQUARE		0.48		0.48		0.77		0.77

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient 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
	4	4	4	4
	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Kd of Th-230 in Contaminated Zone	10 -0.07	5 -0.22	8 -0.10	7 -0.21
Kd of Th-230 in Unsaturated Zone 1	30 -0.02	30 -0.02	11 -0.09	9 -0.08
Kd of Th-230 in Unsaturated Zone 2	26 -0.03	26 -0.02	26 0.02	26 0.02
Kd of Th-230 in Saturated Zone	18 -0.05	16 -0.04	17 -0.07	12 -0.06
Kd of Th-228 in Contaminated Zone	15 0.06	4 0.25	13 0.08	6 0.24
Kd of Th-228 in Unsaturated Zone 1	14 -0.06	15 -0.05	31 0.01	32 0.01
Kd of Th-228 in Unsaturated Zone 2	35 -0.01	33 -0.01	29 0.01	28 0.01
Kd of Th-228 in Saturated Zone	20 -0.04	20 -0.03	33 -0.01	27 -0.02
Kd of Th-230 in Contaminated Zone	12 -0.07	6 -0.20	14 -0.07	8 -0.15
Kd of Th-230 in Unsaturated Zone 1	36 0.00	36 0.00	35 0.00	34 0.00
Kd of Th-230 in Unsaturated Zone 2	29 -0.02	31 -0.02	19 0.05	15 0.05
Kd of Th-230 in Saturated Zone	33 -0.01	34 -0.01	30 0.01	29 0.01
Kd of Th-228 in Unsaturated Zone 3	13 0.06	14 0.05	21 -0.05	21 -0.02
Kd of Th-230 in Unsaturated Zone 3	31 -0.02	32 -0.01	32 0.01	33 0.00
Kd of Th-232 in Unsaturated Zone 3	34 0.01	35 0.01	7 -0.10	10 -0.06
Thickness of contaminated zone	5 0.13	7 0.20	4 0.49	1 0.67
Thickness of Unsaturated zone 1	17 0.05	18 0.04	36 0.00	36 0.00
Thickness of Unsaturated zone 2	7 -0.09	10 -0.07	9 -0.10	13 -0.05
Thickness of Unsaturated zone 3	9 -0.07	12 -0.06	10 -0.09	14 -0.05
Hydraulic Conductivity of Unsaturated zone 1	11 0.07	13 0.05	25 -0.03	25 -0.02
Hydraulic Conductivity of Unsaturated zone 2	16 0.05	17 0.04	12 0.08	16 0.04
Hydraulic Conductivity of Unsaturated zone 3	19 -0.04	19 -0.04	18 -0.06	19 -0.03
Saturated zone hydraulic conductivity	23 0.04	23 0.03	15 -0.07	17 -0.04
Evapotranspiration coefficient	25 -0.03	25 -0.03	22 0.04	22 0.02
Wind Speed	4 0.17	8 0.14	16 0.07	18 0.04
Runoff coefficient	21 0.04	21 0.03	20 -0.05	20 -0.03
Inhalation rate	27 -0.03	27 -0.02	24 -0.03	24 -0.02
Mass loading for inhalation	28 0.02	29 0.02	23 0.04	23 0.02
Outdoor time fraction	2 0.35	2 0.29	2 0.62	3 0.42
Soil ingestion	3 0.33	3 0.27	3 0.60	4 0.41
Aquatic food	8 -0.08	11 -0.06	28 0.01	31 0.01
Plant food	6 0.11	9 0.08	34 0.00	35 0.00
Meat	24 -0.03	24 -0.03	27 0.02	30 0.01
Depth of soil mixing layer	1 -0.48	1 -0.44	1 -0.65	2 -0.45
Depth of roots	22 -0.04	22 -0.03	6 0.11	11 0.06
Area of contaminated zone	32 0.02	28 0.02	5 0.26	5 0.32
R-SQUARE	0.41	0.41	0.72	0.72

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient 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 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	15	-0.05	8	-0.14	16	0.04	8	0.09
Kd of Th-230 in Unsaturated Zone 1	25	0.03	25	0.02	34	-0.01	31	-0.01
Kd of Th-230 in Unsaturated Zone 2	8	0.11	11	0.08	6	0.11	7	0.10
Kd of Th-230 in Saturated Zone	24	-0.03	26	-0.02	30	0.01	30	0.01
Kd of Th-228 in Contaminated Zone	14	0.06	5	0.21	19	-0.04	6	-0.12
Kd of Th-228 in Unsaturated Zone 1	13	0.06	16	0.04	7	0.07	10	0.06
Kd of Th-228 in Unsaturated Zone 2	21	-0.04	21	-0.03	27	-0.02	25	-0.02
Kd of Th-228 in Saturated Zone	33	-0.01	33	0.00	24	-0.03	9	-0.07
Kd of Th-230 in Contaminated Zone	18	-0.05	9	-0.13	26	0.02	11	0.05
Kd of Th-230 in Unsaturated Zone 1	16	-0.05	17	-0.03	29	-0.02	28	-0.01
Kd of Th-230 in Unsaturated Zone 2	30	0.02	30	0.01	10	0.05	12	0.05
Kd of Th-230 in Saturated Zone	28	-0.02	28	-0.01	12	0.05	13	0.04
Kd of Th-228 in Unsaturated Zone 3	17	-0.05	19	-0.03	36	0.00	36	0.00
Kd of Th-230 in Unsaturated Zone 3	1	0.67	1	0.66	33	0.01	34	0.00
Kd of Th-232 in Unsaturated Zone 3	3	-0.44	2	-0.37	14	-0.05	18	-0.03
Thickness of contaminated zone	7	0.14	7	0.15	4	0.46	1	0.66
Thickness of Unsaturated zone 1	9	-0.11	12	-0.07	20	0.04	22	0.02
Thickness of Unsaturated zone 2	11	-0.08	14	-0.05	25	-0.03	27	-0.01
Thickness of Unsaturated zone 3	26	-0.03	27	-0.02	35	0.01	35	0.00
Hydraulic Conductivity of Unsaturated zone 1	23	-0.03	24	-0.02	8	0.07	14	0.04
Hydraulic Conductivity of Unsaturated zone 2	35	0.00	35	0.00	13	-0.05	17	-0.03
Hydraulic Conductivity of Unsaturated zone 3	19	-0.05	18	-0.03	15	0.04	19	0.02
Saturated zone hydraulic conductivity	36	0.00	36	0.00	31	-0.01	32	0.00
Evapotranspiration coefficient	20	-0.05	20	-0.03	23	0.03	26	0.02
Wind Speed	31	-0.02	31	-0.01	9	0.07	15	0.04
Runoff coefficient	34	-0.01	34	0.00	18	-0.04	21	-0.02
Inhalation rate	29	0.02	29	0.01	32	-0.01	33	0.00
Mass loading for inhalation	12	-0.08	15	-0.05	28	0.02	29	0.01
Outdoor time fraction	4	0.40	4	0.27	2	0.57	3	0.39
Soil ingestion	5	0.31	6	0.20	3	0.55	4	0.36
Aquatic food	22	0.04	22	0.03	17	-0.04	20	-0.02
Plant food	10	-0.08	13	-0.05	22	0.03	24	0.02
Meat	6	-0.20	10	-0.12	21	-0.03	23	-0.02
Depth of soil mixing layer	2	-0.49	3	-0.34	1	-0.66	2	-0.49
Depth of roots	32	0.01	32	0.01	11	0.05	16	0.03
Area of contaminated zone	27	-0.02	23	-0.02	5	0.25	5	0.33
R-SQUARE		0.66		0.66		0.70		0.70

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient 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 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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 4		SRC 4		PRCC 4		SRRC 4	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Fish Ingestion Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Fish Ingestion Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 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 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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Fish Ingestion Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 4		SRC 4		PRCC 4		SRRC 4	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Fish Ingestion Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 4		SRC 4		PRCC 4		SRRC 4	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 4		SRC 4		PRCC 4		SRRC 4	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Meat (WaterDep.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Meat (WaterDep.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Meat (WaterDep.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of 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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Meat (WaterDep.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 4		SRC 4		PRCC 4		SRRC 4	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Meat (WaterDep.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Milk (WaterDep.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Milk (WaterDep.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 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 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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Milk (WaterDep.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	4		4		4		4	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Milk (WaterDep.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Pb-210 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	21	-0.03	4	-0.09	20	0.05	7	0.05
Kd of Th-230 in Unsaturated Zone 1	18	-0.04	5	-0.08	33	0.01	31	0.01
Kd of Th-230 in Unsaturated Zone 2	32	0.01	32	0.01	34	0.01	34	0.00
Kd of Th-230 in Saturated Zone	25	-0.02	18	-0.03	26	0.03	22	0.01
Kd of Th-228 in Contaminated Zone	29	0.01	10	0.05	15	-0.06	6	-0.09
Kd of Th-228 in Unsaturated Zone 1	20	-0.03	25	-0.02	14	0.06	13	0.03
Kd of Th-228 in Unsaturated Zone 2	9	-0.07	13	-0.04	23	-0.04	19	-0.02
Kd of Th-228 in Saturated Zone	26	0.02	8	0.06	28	-0.03	11	-0.04
Kd of Th-230 in Contaminated Zone	36	0.00	35	0.00	24	0.04	9	0.04
Kd of Th-230 in Unsaturated Zone 1	31	0.01	26	0.02	30	0.02	29	0.01
Kd of Th-230 in Unsaturated Zone 2	16	-0.04	21	-0.03	27	0.03	25	0.01
Kd of Th-230 in Saturated Zone	24	0.02	28	0.01	9	0.10	8	0.04
Kd of Th-228 in Unsaturated Zone 3	28	0.01	30	0.01	32	0.02	33	0.00
Kd of Th-230 in Unsaturated Zone 3	23	-0.02	27	-0.01	16	0.06	20	0.02
Kd of Th-232 in Unsaturated Zone 3	30	-0.01	31	-0.01	8	-0.10	14	-0.03
Thickness of contaminated zone	3	0.43	1	0.56	2	0.78	1	0.77
Thickness of Unsaturated zone 1	34	0.01	34	0.00	21	-0.04	26	-0.01
Thickness of Unsaturated zone 2	10	0.06	14	0.04	25	-0.04	28	-0.01
Thickness of Unsaturated zone 3	7	-0.07	11	-0.05	10	-0.09	15	-0.03
Hydraulic Conductivity of Unsaturated zone 1	12	0.05	17	0.03	35	0.01	36	0.00
Hydraulic Conductivity of Unsaturated zone 2	27	0.02	29	0.01	31	0.02	32	0.00
Hydraulic Conductivity of Unsaturated zone 3	33	-0.01	33	0.00	18	0.05	23	0.01
Saturated zone hydraulic conductivity	19	0.03	24	0.02	17	-0.05	21	-0.02
Evapotranspiration coefficient	35	0.00	36	0.00	11	-0.08	16	-0.02
Wind Speed	15	-0.04	22	-0.03	19	0.05	24	0.01
Runoff coefficient	11	-0.05	15	-0.03	7	0.11	12	0.03
Inhalation rate	17	-0.04	23	-0.02	22	0.04	27	0.01
Mass loading for inhalation	4	0.11	6	0.07	6	-0.13	10	-0.04
Outdoor time fraction	14	-0.05	20	-0.03	12	-0.08	17	-0.02
Soil ingestion	8	0.07	12	0.05	29	0.02	30	0.01
Aquatic food	13	0.05	19	0.03	13	-0.07	18	-0.02
Plant food	2	0.45	3	0.33	3	0.73	3	0.30
Meat	5	0.10	7	0.07	4	0.33	4	0.10
Depth of soil mixing layer	6	-0.09	9	-0.06	5	-0.31	5	-0.09
Depth of roots	1	-0.51	2	-0.38	1	-0.86	2	-0.47
Area of contaminated zone	22	-0.03	16	-0.03	36	-0.01	35	0.00
R-SQUARE	0.61		0.61		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 Pb-210 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 Th-230 in Contaminated Zone	12	0.06	5	0.13	28	0.01	18	0.01
Kd of Th-230 in Unsaturated Zone 1	36	0.00	36	0.00	25	-0.02	26	-0.01
Kd of Th-230 in Unsaturated Zone 2	31	-0.01	31	0.00	36	0.00	36	0.00
Kd of Th-230 in Saturated Zone	9	-0.06	13	-0.04	23	-0.02	25	-0.01
Kd of Th-228 in Contaminated Zone	15	-0.05	4	-0.16	27	-0.01	12	-0.02
Kd of Th-228 in Unsaturated Zone 1	13	-0.05	16	-0.03	21	0.02	22	0.01
Kd of Th-228 in Unsaturated Zone 2	27	-0.01	27	-0.01	24	-0.02	27	-0.01
Kd of Th-228 in Saturated Zone	23	0.03	22	0.02	34	0.01	28	0.01
Kd of Th-230 in Contaminated Zone	18	0.05	6	0.10	20	0.03	9	0.02
Kd of Th-230 in Unsaturated Zone 1	34	0.00	34	0.00	22	-0.02	24	-0.01
Kd of Th-230 in Unsaturated Zone 2	33	0.00	33	0.00	26	-0.02	29	-0.01
Kd of Th-230 in Saturated Zone	30	-0.01	30	-0.01	29	-0.01	31	0.00
Kd of Th-228 in Unsaturated Zone 3	24	-0.02	24	-0.01	12	-0.06	14	-0.01
Kd of Th-230 in Unsaturated Zone 3	26	-0.02	26	-0.01	16	0.03	19	0.01
Kd of Th-232 in Unsaturated Zone 3	28	0.01	28	0.01	11	-0.06	13	-0.02
Thickness of contaminated zone	2	0.54	1	0.68	2	0.81	1	0.79
Thickness of Unsaturated zone 1	20	-0.04	20	-0.02	19	0.03	23	0.01
Thickness of Unsaturated zone 2	8	-0.08	12	-0.04	10	0.08	11	0.02
Thickness of Unsaturated zone 3	16	-0.05	17	-0.03	6	-0.19	6	-0.05
Hydraulic Conductivity of Unsaturated zone 1	25	0.02	25	0.01	32	-0.01	33	0.00
Hydraulic Conductivity of Unsaturated zone 2	10	0.06	14	0.03	15	-0.04	17	-0.01
Hydraulic Conductivity of Unsaturated zone 3	21	0.04	21	0.02	17	-0.03	20	-0.01
Saturated zone hydraulic conductivity	35	0.00	35	0.00	14	0.05	16	0.01
Evapotranspiration coefficient	19	-0.04	19	-0.02	9	0.09	10	0.02
Wind Speed	17	0.05	18	0.03	18	-0.03	21	-0.01
Runoff coefficient	5	0.11	8	0.06	7	0.17	7	0.04
Inhalation rate	22	0.03	23	0.02	33	-0.01	34	0.00
Mass loading for inhalation	29	0.01	29	0.01	13	0.05	15	0.01
Outdoor time fraction	32	0.00	32	0.00	8	0.11	8	0.03
Soil ingestion	11	-0.06	15	-0.03	35	0.00	35	0.00
Aquatic food	6	-0.10	9	-0.05	30	-0.01	32	0.00
Plant food	3	0.50	3	0.33	3	0.76	3	0.29
Meat	7	0.09	11	0.05	5	0.35	5	0.09
Depth of soil mixing layer	4	-0.13	7	-0.07	4	-0.35	4	-0.09
Depth of roots	1	-0.58	2	-0.40	1	-0.88	2	-0.46
Area of contaminated zone	14	0.05	10	0.05	31	-0.01	30	0.00
R-SQUARE	0.70		0.70		0.94		0.94	

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

Coefficients for peak Pb-210 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 Th-230 in Contaminated Zone	10	0.07	5	0.18	14	0.06	8	0.06
Kd of Th-230 in Unsaturated Zone 1	7	0.08	11	0.05	12	-0.07	11	-0.03
Kd of Th-230 in Unsaturated Zone 2	24	-0.04	25	-0.02	26	0.03	21	0.01
Kd of Th-230 in Saturated Zone	22	-0.05	22	-0.03	30	-0.03	24	-0.01
Kd of Th-228 in Contaminated Zone	9	-0.07	3	-0.27	16	-0.06	4	-0.08
Kd of Th-228 in Unsaturated Zone 1	15	-0.06	16	-0.04	33	0.02	29	0.01
Kd of Th-228 in Unsaturated Zone 2	35	0.01	35	0.01	29	-0.03	22	-0.01
Kd of Th-228 in Saturated Zone	23	0.04	24	0.02	17	0.06	6	0.08
Kd of Th-230 in Contaminated Zone	17	0.06	6	0.14	18	0.05	10	0.05
Kd of Th-230 in Unsaturated Zone 1	14	-0.06	15	-0.04	6	-0.13	7	-0.06
Kd of Th-230 in Unsaturated Zone 2	18	-0.05	18	-0.03	34	-0.01	34	-0.01
Kd of Th-230 in Saturated Zone	34	-0.01	34	-0.01	20	-0.04	18	-0.02
Kd of Th-228 in Unsaturated Zone 3	11	-0.07	13	-0.04	27	0.03	30	0.01
Kd of Th-230 in Unsaturated Zone 3	27	-0.03	27	-0.02	32	-0.02	33	-0.01
Kd of Th-232 in Unsaturated Zone 3	25	-0.04	23	-0.02	10	-0.10	15	-0.03
Thickness of contaminated zone	2	0.45	1	0.58	2	0.78	1	0.74
Thickness of Unsaturated zone 1	36	-0.01	36	0.00	11	-0.10	16	-0.03
Thickness of Unsaturated zone 2	30	0.02	31	0.01	28	0.03	31	0.01
Thickness of Unsaturated zone 3	32	0.02	32	0.01	15	0.06	20	0.02
Hydraulic Conductivity of Unsaturated zone 1	20	-0.05	20	-0.03	31	-0.02	32	-0.01
Hydraulic Conductivity of Unsaturated zone 2	31	0.02	30	0.01	23	0.04	26	0.01
Hydraulic Conductivity of Unsaturated zone 3	13	-0.07	14	-0.04	36	0.00	36	0.00
Saturated zone hydraulic conductivity	8	0.08	12	0.05	8	0.11	13	0.03
Evapotranspiration coefficient	6	-0.08	10	-0.05	13	0.06	19	0.02
Wind Speed	26	0.03	26	0.02	35	0.00	35	0.00
Runoff coefficient	29	0.02	29	0.01	9	0.10	14	0.03
Inhalation rate	19	0.05	19	0.03	25	0.03	28	0.01
Mass loading for inhalation	33	0.01	33	0.01	19	-0.05	23	-0.01
Outdoor time fraction	5	0.12	9	0.07	7	0.12	12	0.03
Soil ingestion	16	-0.06	17	-0.04	24	0.03	27	0.01
Aquatic food	28	-0.03	28	-0.02	21	-0.04	25	-0.01
Plant food	3	0.38	4	0.25	3	0.76	3	0.31
Meat	4	0.13	7	0.08	4	0.28	5	0.08
Depth of soil mixing layer	21	-0.05	21	-0.03	5	-0.20	9	-0.05
Depth of roots	1	-0.56	2	-0.40	1	-0.88	2	-0.49
Area of contaminated zone	12	-0.07	8	-0.08	22	-0.04	17	-0.02
R-SQUARE	0.66		0.66		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 Pb-210 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 4		SRC 4		PRCC 4		SRRC 4	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	29	-0.01	15	-0.03	14	-0.05	7	-0.05
Kd of Th-230 in Unsaturated Zone 1	27	-0.01	30	-0.01	23	-0.03	19	-0.01
Kd of Th-230 in Unsaturated Zone 2	11	-0.08	11	-0.05	33	-0.01	31	0.00
Kd of Th-230 in Saturated Zone	36	0.00	36	0.00	34	0.00	34	0.00
Kd of Th-228 in Contaminated Zone	35	0.00	33	-0.01	13	0.05	5	0.07
Kd of Th-228 in Unsaturated Zone 1	12	-0.08	12	-0.05	12	0.05	12	0.02
Kd of Th-228 in Unsaturated Zone 2	10	-0.09	5	-0.15	10	0.06	11	0.02
Kd of Th-228 in Saturated Zone	20	-0.03	22	-0.02	29	-0.01	16	-0.02
Kd of Th-230 in Contaminated Zone	28	-0.01	14	-0.03	22	-0.03	9	-0.03
Kd of Th-230 in Unsaturated Zone 1	9	0.09	4	0.16	24	-0.03	18	-0.01
Kd of Th-230 in Unsaturated Zone 2	23	-0.03	25	-0.02	20	-0.04	15	-0.02
Kd of Th-230 in Saturated Zone	32	0.01	32	0.01	26	0.02	26	0.01
Kd of Th-228 in Unsaturated Zone 3	26	0.02	29	0.01	15	0.05	20	0.01
Kd of Th-230 in Unsaturated Zone 3	22	-0.03	24	-0.02	9	-0.07	14	-0.02
Kd of Th-232 in Unsaturated Zone 3	13	-0.06	13	-0.04	18	-0.04	23	-0.01
Thickness of contaminated zone	2	0.48	1	0.61	2	0.82	1	0.78
Thickness of Unsaturated zone 1	17	0.04	19	0.02	25	-0.03	27	-0.01
Thickness of Unsaturated zone 2	21	-0.03	23	-0.02	32	-0.01	33	0.00
Thickness of Unsaturated zone 3	19	0.03	21	0.02	30	-0.01	32	0.00
Hydraulic Conductivity of Unsaturated zone 1	14	-0.05	16	-0.03	27	0.02	29	0.00
Hydraulic Conductivity of Unsaturated zone 2	6	-0.11	8	-0.07	28	0.01	30	0.00
Hydraulic Conductivity of Unsaturated zone 3	24	-0.02	26	-0.01	21	-0.03	25	-0.01
Saturated zone hydraulic conductivity	16	0.04	17	0.02	35	0.00	35	0.00
Evapotranspiration coefficient	25	-0.02	28	-0.01	16	0.05	21	0.01
Wind Speed	4	0.19	6	0.11	17	0.05	22	0.01
Runoff coefficient	34	-0.01	35	0.00	6	0.14	8	0.04
Inhalation rate	31	0.01	31	0.01	11	0.06	17	0.01
Mass loading for inhalation	33	-0.01	34	0.00	19	-0.04	24	-0.01
Outdoor time fraction	18	0.04	20	0.02	36	0.00	36	0.00
Soil ingestion	15	0.04	18	0.02	7	0.12	10	0.03
Aquatic food	5	-0.16	7	-0.09	8	-0.09	13	-0.02
Plant food	3	0.43	3	0.28	3	0.75	3	0.28
Meat	7	0.11	9	0.07	4	0.36	4	0.09
Depth of soil mixing layer	8	-0.11	10	-0.06	5	-0.21	6	-0.05
Depth of roots	1	-0.57	2	-0.42	1	-0.87	2	-0.44
Area of contaminated zone	30	-0.01	27	-0.01	31	-0.01	28	-0.01
R-SQUARE		0.66		0.66		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 Pb-210 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	33	-0.01	21	-0.01	21	-0.04	9	-0.04
Kd of Th-230 in Unsaturated Zone 1	19	-0.02	18	-0.02	17	0.05	17	0.02
Kd of Th-230 in Unsaturated Zone 2	25	-0.02	25	-0.01	7	0.10	8	0.05
Kd of Th-230 in Saturated Zone	24	0.02	26	0.01	27	-0.02	25	-0.01
Kd of Th-228 in Contaminated Zone	23	0.02	5	0.08	16	0.05	5	0.07
Kd of Th-228 in Unsaturated Zone 1	18	0.02	20	0.02	8	0.10	10	0.04
Kd of Th-228 in Unsaturated Zone 2	13	-0.04	15	-0.02	12	-0.08	12	-0.03
Kd of Th-228 in Saturated Zone	27	0.01	29	0.01	29	-0.02	16	-0.02
Kd of Th-230 in Contaminated Zone	16	-0.03	6	-0.06	22	-0.04	11	-0.04
Kd of Th-230 in Unsaturated Zone 1	17	0.02	19	0.02	14	0.06	14	0.03
Kd of Th-230 in Unsaturated Zone 2	29	-0.01	31	-0.01	36	0.00	35	0.00
Kd of Th-230 in Saturated Zone	35	0.00	35	0.00	26	0.03	22	0.01
Kd of Th-228 in Unsaturated Zone 3	22	-0.02	24	-0.01	35	0.00	36	0.00
Kd of Th-230 in Unsaturated Zone 3	12	-0.04	13	-0.03	32	0.01	32	0.00
Kd of Th-232 in Unsaturated Zone 3	26	0.01	27	0.01	24	-0.03	27	-0.01
Thickness of contaminated zone	3	0.49	1	0.62	3	0.75	1	0.73
Thickness of Unsaturated zone 1	32	0.01	33	0.01	33	0.01	33	0.00
Thickness of Unsaturated zone 2	14	-0.04	16	-0.02	13	0.06	19	0.02
Thickness of Unsaturated zone 3	20	0.02	22	0.01	18	0.05	21	0.01
Hydraulic Conductivity of Unsaturated zone 1	7	0.08	9	0.05	30	-0.02	30	0.00
Hydraulic Conductivity of Unsaturated zone 2	10	0.05	12	0.03	9	0.09	15	0.03
Hydraulic Conductivity of Unsaturated zone 3	9	-0.07	10	-0.04	11	0.08	18	0.02
Saturated zone hydraulic conductivity	30	0.01	32	0.01	28	-0.02	29	-0.01
Evapotranspiration coefficient	36	0.00	36	0.00	20	0.04	24	0.01
Wind Speed	21	0.02	23	0.01	31	0.01	31	0.00
Runoff coefficient	28	-0.01	30	-0.01	6	0.10	13	0.03
Inhalation rate	11	0.05	14	0.03	15	0.06	20	0.02
Mass loading for inhalation	8	-0.07	11	-0.04	34	0.00	34	0.00
Outdoor time fraction	15	0.03	17	0.02	25	-0.03	28	-0.01
Soil ingestion	34	0.00	34	0.00	19	-0.05	23	-0.01
Aquatic food	5	0.10	7	0.06	23	-0.04	26	-0.01
Plant food	2	0.50	3	0.34	2	0.76	3	0.33
Meat	4	0.16	4	0.10	4	0.32	4	0.09
Depth of soil mixing layer	6	-0.10	8	-0.06	5	-0.21	6	-0.06
Depth of roots	1	-0.53	2	-0.38	1	-0.86	2	-0.47
Area of contaminated zone	31	0.01	28	0.01	10	-0.09	7	-0.05
R-SQUARE		0.65		0.65		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 Ra-226 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	10	0.10	5	0.16	5	0.11	4	0.14
Kd of Th-230 in Unsaturated Zone 1	33	0.01	28	0.01	18	0.04	19	0.02
Kd of Th-230 in Unsaturated Zone 2	12	-0.08	15	-0.03	13	0.08	10	0.05
Kd of Th-230 in Saturated Zone	31	-0.01	29	-0.01	28	-0.02	25	-0.01
Kd of Th-228 in Contaminated Zone	11	-0.09	3	-0.21	7	-0.10	3	-0.19
Kd of Th-228 in Unsaturated Zone 1	18	0.07	20	0.02	34	0.00	33	0.00
Kd of Th-228 in Unsaturated Zone 2	6	-0.12	11	-0.04	19	-0.04	20	-0.02
Kd of Th-228 in Saturated Zone	27	-0.04	8	-0.07	22	-0.03	6	-0.06
Kd of Th-230 in Contaminated Zone	13	0.08	6	0.12	10	0.09	5	0.12
Kd of Th-230 in Unsaturated Zone 1	14	0.08	7	0.09	16	0.06	16	0.03
Kd of Th-230 in Unsaturated Zone 2	24	0.05	25	0.02	12	0.09	9	0.05
Kd of Th-230 in Saturated Zone	19	0.07	19	0.02	14	0.08	11	0.04
Kd of Th-228 in Unsaturated Zone 3	22	0.06	22	0.02	8	0.10	13	0.03
Kd of Th-230 in Unsaturated Zone 3	9	-0.10	14	-0.04	35	0.00	35	0.00
Kd of Th-232 in Unsaturated Zone 3	28	0.03	30	0.01	21	-0.04	22	-0.01
Thickness of contaminated zone	2	0.59	2	0.49	2	0.68	1	0.69
Thickness of Unsaturated zone 1	16	-0.07	17	-0.03	26	-0.02	27	-0.01
Thickness of Unsaturated zone 2	17	0.07	18	0.03	23	0.03	23	0.01
Thickness of Unsaturated zone 3	23	0.05	24	0.02	11	0.09	15	0.03
Hydraulic Conductivity of Unsaturated zone 1	34	0.01	34	0.00	29	0.02	29	0.01
Hydraulic Conductivity of Unsaturated zone 2	21	-0.06	23	-0.02	30	-0.01	30	-0.01
Hydraulic Conductivity of Unsaturated zone 3	26	-0.04	27	-0.02	27	0.02	28	0.01
Saturated zone hydraulic conductivity	4	-0.16	9	-0.06	32	0.01	32	0.00
Evapotranspiration coefficient	36	0.00	36	0.00	36	0.00	36	0.00
Wind Speed	25	0.05	26	0.02	31	0.01	31	0.00
Runoff coefficient	30	0.02	32	0.01	33	0.01	34	0.00
Inhalation rate	32	-0.01	33	0.00	25	0.03	26	0.01
Mass loading for inhalation	5	-0.13	10	-0.05	3	-0.15	7	-0.05
Outdoor time fraction	1	0.89	1	0.68	1	0.89	2	0.66
Soil ingestion	15	0.07	16	0.03	24	0.03	24	0.01
Aquatic food	20	-0.06	21	-0.02	9	-0.09	14	-0.03
Plant food	8	-0.10	13	-0.04	17	-0.04	21	-0.02
Meat	7	-0.11	12	-0.04	4	-0.14	8	-0.05
Depth of soil mixing layer	29	-0.03	31	-0.01	6	-0.10	12	-0.04
Depth of roots	35	-0.01	35	0.00	15	-0.07	18	-0.02
Area of contaminated zone	3	-0.25	4	-0.17	20	0.04	17	0.03
R-SQUARE		0.88		0.88		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 Ra-226 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	26	-0.03	7	-0.04	31	0.03	15	0.03
Kd of Th-230 in Unsaturated Zone 1	31	0.01	31	0.00	30	-0.03	30	-0.01
Kd of Th-230 in Unsaturated Zone 2	30	-0.02	30	-0.01	25	-0.03	26	-0.02
Kd of Th-230 in Saturated Zone	6	-0.10	8	-0.04	27	0.03	27	0.01
Kd of Th-228 in Contaminated Zone	25	0.03	5	0.07	28	-0.03	8	-0.05
Kd of Th-228 in Unsaturated Zone 1	23	0.03	26	0.01	23	-0.05	17	-0.02
Kd of Th-228 in Unsaturated Zone 2	5	-0.12	6	-0.04	8	-0.12	6	-0.05
Kd of Th-228 in Saturated Zone	32	-0.01	32	0.00	15	0.07	4	0.09
Kd of Th-230 in Contaminated Zone	35	0.00	33	0.00	22	0.05	5	0.06
Kd of Th-230 in Unsaturated Zone 1	19	0.04	21	0.02	12	-0.07	12	-0.04
Kd of Th-230 in Unsaturated Zone 2	24	-0.03	25	-0.01	29	-0.03	29	-0.01
Kd of Th-230 in Saturated Zone	14	0.06	16	0.02	36	0.00	36	0.00
Kd of Th-228 in Unsaturated Zone 3	27	-0.02	27	-0.01	35	0.00	35	0.00
Kd of Th-230 in Unsaturated Zone 3	29	0.02	29	0.01	9	-0.10	13	-0.03
Kd of Th-232 in Unsaturated Zone 3	34	0.00	35	0.00	13	-0.07	18	-0.02
Thickness of contaminated zone	2	0.64	2	0.54	2	0.74	1	0.76
Thickness of Unsaturated zone 1	15	0.05	17	0.02	3	0.16	7	0.05
Thickness of Unsaturated zone 2	8	-0.09	10	-0.03	11	-0.09	16	-0.03
Thickness of Unsaturated zone 3	18	-0.04	20	-0.02	26	-0.03	31	-0.01
Hydraulic Conductivity of Unsaturated zone 1	36	0.00	36	0.00	32	-0.02	32	-0.01
Hydraulic Conductivity of Unsaturated zone 2	33	0.00	34	0.00	33	-0.02	33	-0.01
Hydraulic Conductivity of Unsaturated zone 3	7	-0.09	9	-0.03	19	-0.06	22	-0.02
Saturated zone hydraulic conductivity	28	-0.02	28	-0.01	10	0.10	14	0.03
Evapotranspiration coefficient	3	0.19	4	0.07	5	0.13	10	0.04
Wind Speed	17	-0.05	19	-0.02	16	-0.06	20	-0.02
Runoff coefficient	10	0.09	12	0.03	4	0.15	9	0.04
Inhalation rate	12	-0.09	14	-0.03	7	-0.12	11	-0.04
Mass loading for inhalation	13	0.06	15	0.02	20	0.05	24	0.02
Outdoor time fraction	1	0.90	1	0.69	1	0.91	2	0.68
Soil ingestion	16	-0.05	18	-0.02	17	-0.06	21	-0.02
Aquatic food	21	0.04	23	0.01	24	0.05	28	0.01
Plant food	9	-0.09	11	-0.03	18	-0.06	23	-0.02
Meat	11	-0.09	13	-0.03	21	-0.05	25	-0.02
Depth of soil mixing layer	20	-0.04	22	-0.01	14	-0.07	19	-0.02
Depth of roots	22	-0.04	24	-0.01	34	-0.02	34	0.00
Area of contaminated zone	4	-0.17	3	-0.11	6	0.13	3	0.09
R-SQUARE		0.89		0.89		0.91		0.91

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

Coefficients for peak Ra-226 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 Th-230 in Contaminated Zone	34	0.00	34	0.00	13	-0.06	6	-0.07
Kd of Th-230 in Unsaturated Zone 1	26	-0.02	26	-0.01	32	0.01	28	0.01
Kd of Th-230 in Unsaturated Zone 2	25	0.02	25	0.01	14	0.06	12	0.03
Kd of Th-230 in Saturated Zone	20	0.03	20	0.01	22	0.03	20	0.02
Kd of Th-228 in Contaminated Zone	32	0.00	27	-0.01	12	0.07	3	0.11
Kd of Th-228 in Unsaturated Zone 1	36	0.00	36	0.00	11	0.07	11	0.04
Kd of Th-228 in Unsaturated Zone 2	23	0.03	21	0.01	26	0.02	23	0.01
Kd of Th-228 in Saturated Zone	30	-0.01	31	0.00	18	-0.04	7	-0.07
Kd of Th-230 in Contaminated Zone	33	0.00	33	0.00	7	-0.09	4	-0.10
Kd of Th-230 in Unsaturated Zone 1	16	-0.05	16	-0.02	28	0.02	24	0.01
Kd of Th-230 in Unsaturated Zone 2	7	0.14	7	0.05	35	-0.01	34	0.00
Kd of Th-230 in Saturated Zone	24	-0.02	24	-0.01	21	0.03	19	0.02
Kd of Th-228 in Unsaturated Zone 3	18	-0.04	18	-0.02	31	-0.01	32	0.00
Kd of Th-230 in Unsaturated Zone 3	10	-0.10	10	-0.04	33	-0.01	33	0.00
Kd of Th-232 in Unsaturated Zone 3	27	-0.02	28	-0.01	19	0.04	22	0.01
Thickness of contaminated zone	2	0.56	2	0.45	2	0.70	1	0.72
Thickness of Unsaturated zone 1	15	-0.06	15	-0.02	24	-0.03	26	-0.01
Thickness of Unsaturated zone 2	13	-0.08	13	-0.03	10	-0.08	15	-0.03
Thickness of Unsaturated zone 3	12	-0.09	12	-0.03	36	0.00	36	0.00
Hydraulic Conductivity of Unsaturated zone 1	14	0.07	14	0.03	29	0.02	30	0.01
Hydraulic Conductivity of Unsaturated zone 2	11	-0.10	11	-0.04	16	-0.05	18	-0.02
Hydraulic Conductivity of Unsaturated zone 3	19	0.04	19	0.01	8	-0.08	13	-0.03
Saturated zone hydraulic conductivity	28	-0.01	29	0.00	17	0.04	21	0.01
Evapotranspiration coefficient	29	-0.01	30	0.00	23	0.03	25	0.01
Wind Speed	31	0.01	32	0.00	27	-0.02	29	-0.01
Runoff coefficient	4	0.15	4	0.05	6	0.13	10	0.04
Inhalation rate	21	0.03	22	0.01	15	0.05	17	0.02
Mass loading for inhalation	8	-0.13	8	-0.04	5	-0.14	9	-0.05
Outdoor time fraction	1	0.89	1	0.66	1	0.89	2	0.64
Soil ingestion	5	0.15	5	0.05	4	0.17	8	0.05
Aquatic food	17	-0.05	17	-0.02	34	-0.01	35	0.00
Plant food	22	-0.03	23	-0.01	25	-0.02	27	-0.01
Meat	35	0.00	35	0.00	30	-0.02	31	0.00
Depth of soil mixing layer	9	-0.12	9	-0.04	9	-0.08	14	-0.03
Depth of roots	6	-0.14	6	-0.05	3	-0.24	5	-0.08
Area of contaminated zone	3	-0.34	3	-0.23	20	0.03	16	0.02
R-SQUARE		0.89		0.89		0.90		0.90

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

Coefficients for peak Ra-226 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 4		SRC 4		PRCC 4		SRRC 4	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	22	0.03	8	0.04	28	0.03	10	0.04
Kd of Th-230 in Unsaturated Zone 1	32	0.00	33	0.00	5	-0.12	5	-0.06
Kd of Th-230 in Unsaturated Zone 2	7	0.11	9	0.04	18	-0.05	16	-0.03
Kd of Th-230 in Saturated Zone	20	-0.03	22	-0.01	9	-0.10	6	-0.05
Kd of Th-228 in Contaminated Zone	30	-0.01	21	-0.01	33	-0.02	15	-0.03
Kd of Th-228 in Unsaturated Zone 1	24	-0.03	25	-0.01	35	0.01	35	0.00
Kd of Th-228 in Unsaturated Zone 2	10	-0.10	5	-0.10	32	-0.02	32	-0.01
Kd of Th-228 in Saturated Zone	8	-0.10	10	-0.04	24	0.04	4	0.06
Kd of Th-230 in Contaminated Zone	34	0.00	30	0.01	29	0.03	12	0.03
Kd of Th-230 in Unsaturated Zone 1	6	0.12	3	0.12	11	-0.07	8	-0.04
Kd of Th-230 in Unsaturated Zone 2	14	-0.07	14	-0.02	31	0.02	28	0.01
Kd of Th-230 in Saturated Zone	36	0.00	36	0.00	36	-0.01	36	0.00
Kd of Th-228 in Unsaturated Zone 3	26	0.02	27	0.01	8	-0.10	13	-0.03
Kd of Th-230 in Unsaturated Zone 3	31	-0.01	32	0.00	12	-0.07	17	-0.02
Kd of Th-232 in Unsaturated Zone 3	21	0.03	23	0.01	27	0.03	31	0.01
Thickness of contaminated zone	2	0.64	2	0.54	2	0.73	1	0.75
Thickness of Unsaturated zone 1	33	0.00	34	0.00	14	-0.06	19	-0.02
Thickness of Unsaturated zone 2	5	-0.13	7	-0.05	3	-0.14	7	-0.04
Thickness of Unsaturated zone 3	12	-0.07	13	-0.03	4	-0.12	9	-0.04
Hydraulic Conductivity of Unsaturated zone 1	27	0.02	28	0.01	34	-0.01	34	0.00
Hydraulic Conductivity of Unsaturated zone 2	28	0.02	29	0.01	15	0.06	20	0.02
Hydraulic Conductivity of Unsaturated zone 3	29	0.01	31	0.00	26	-0.04	30	-0.01
Saturated zone hydraulic conductivity	18	0.04	19	0.01	16	-0.06	21	-0.02
Evapotranspiration coefficient	15	0.06	16	0.02	7	0.11	11	0.03
Wind Speed	17	-0.05	18	-0.02	30	-0.02	33	-0.01
Runoff coefficient	4	0.15	6	0.05	10	0.10	14	0.03
Inhalation rate	23	-0.03	24	-0.01	17	-0.06	22	-0.02
Mass loading for inhalation	16	0.05	17	0.02	22	0.05	26	0.01
Outdoor time fraction	1	0.89	1	0.69	1	0.91	2	0.68
Soil ingestion	13	-0.07	15	-0.02	20	-0.05	24	-0.02
Aquatic food	25	-0.03	26	-0.01	23	-0.04	27	-0.01
Plant food	11	0.08	12	0.03	19	-0.05	23	-0.02
Meat	19	0.04	20	0.01	21	0.05	25	0.02
Depth of soil mixing layer	35	0.00	35	0.00	25	-0.04	29	-0.01
Depth of roots	9	0.10	11	0.04	13	0.07	18	0.02
Area of contaminated zone	3	-0.17	4	-0.11	6	0.12	3	0.08
R-SQUARE		0.88		0.88		0.90		0.90

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

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

Coefficients for peak Ra-226 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	27	0.02	12	0.03	25	0.02	10	0.03
Kd of Th-230 in Unsaturated Zone 1	33	-0.01	34	0.00	20	-0.03	15	-0.02
Kd of Th-230 in Unsaturated Zone 2	19	0.04	21	0.02	31	0.01	32	0.00
Kd of Th-230 in Saturated Zone	17	-0.05	19	-0.02	21	-0.03	19	-0.01
Kd of Th-228 in Contaminated Zone	31	-0.01	11	-0.03	36	0.00	31	-0.01
Kd of Th-228 in Unsaturated Zone 1	11	0.07	13	0.03	24	0.02	22	0.01
Kd of Th-228 in Unsaturated Zone 2	9	-0.10	9	-0.04	28	0.01	28	0.01
Kd of Th-228 in Saturated Zone	28	-0.02	30	-0.01	33	0.01	21	0.01
Kd of Th-230 in Contaminated Zone	34	-0.01	24	-0.01	35	-0.01	29	-0.01
Kd of Th-230 in Unsaturated Zone 1	3	-0.26	4	-0.11	9	-0.07	6	-0.04
Kd of Th-230 in Unsaturated Zone 2	30	0.01	32	0.01	8	0.09	5	0.05
Kd of Th-230 in Saturated Zone	24	0.03	27	0.01	34	0.01	35	0.00
Kd of Th-228 in Unsaturated Zone 3	10	-0.08	10	-0.03	13	0.06	14	0.02
Kd of Th-230 in Unsaturated Zone 3	7	0.13	7	0.06	22	0.03	25	0.01
Kd of Th-232 in Unsaturated Zone 3	6	-0.13	5	-0.06	7	-0.09	9	-0.03
Thickness of contaminated zone	2	0.55	2	0.46	2	0.71	1	0.76
Thickness of Unsaturated zone 1	23	0.03	26	0.01	12	0.06	13	0.02
Thickness of Unsaturated zone 2	32	-0.01	33	0.00	29	0.01	33	0.00
Thickness of Unsaturated zone 3	14	-0.06	16	-0.02	32	0.01	36	0.00
Hydraulic Conductivity of Unsaturated zone 1	29	-0.02	31	-0.01	30	0.01	34	0.00
Hydraulic Conductivity of Unsaturated zone 2	20	-0.04	22	-0.02	17	-0.04	20	-0.01
Hydraulic Conductivity of Unsaturated zone 3	35	0.01	35	0.00	14	0.04	16	0.01
Saturated zone hydraulic conductivity	36	0.00	36	0.00	15	-0.04	17	-0.01
Evapotranspiration coefficient	8	0.12	8	0.04	3	0.16	4	0.06
Wind Speed	22	0.03	25	0.01	23	0.03	26	0.01
Runoff coefficient	16	0.05	18	0.02	6	0.09	8	0.03
Inhalation rate	26	0.02	29	0.01	10	0.07	11	0.02
Mass loading for inhalation	25	-0.02	28	-0.01	19	0.03	24	0.01
Outdoor time fraction	1	0.86	1	0.67	1	0.88	2	0.64
Soil ingestion	12	-0.07	14	-0.03	11	-0.07	12	-0.02
Aquatic food	13	0.07	15	0.03	27	0.02	30	0.01
Plant food	21	0.03	23	0.01	18	0.03	23	0.01
Meat	5	-0.16	6	-0.06	5	-0.11	7	-0.04
Depth of soil mixing layer	15	-0.05	17	-0.02	26	-0.02	27	-0.01
Depth of roots	18	-0.05	20	-0.02	16	-0.04	18	-0.01
Area of contaminated zone	4	-0.25	3	-0.18	4	0.11	3	0.09
R-SQUARE		0.86		0.86		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 Ra-228 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	18	0.04	7	0.12	27	-0.02	13	-0.03
Kd of Th-230 in Unsaturated Zone 1	19	0.04	9	0.09	32	-0.01	31	-0.01
Kd of Th-230 in Unsaturated Zone 2	12	-0.06	17	-0.05	18	0.05	16	0.03
Kd of Th-230 in Saturated Zone	16	-0.05	10	-0.08	29	-0.02	28	-0.01
Kd of Th-228 in Contaminated Zone	23	-0.03	8	-0.12	28	0.02	9	0.04
Kd of Th-228 in Unsaturated Zone 1	22	-0.03	26	-0.02	16	-0.05	14	-0.03
Kd of Th-228 in Unsaturated Zone 2	17	0.04	22	0.03	23	0.02	24	0.01
Kd of Th-228 in Saturated Zone	30	-0.01	18	-0.04	22	-0.03	8	-0.05
Kd of Th-230 in Contaminated Zone	28	0.02	16	0.06	34	-0.01	27	-0.01
Kd of Th-230 in Unsaturated Zone 1	29	0.01	25	0.02	24	0.02	25	0.01
Kd of Th-230 in Unsaturated Zone 2	31	0.01	32	0.01	8	0.09	7	0.05
Kd of Th-230 in Saturated Zone	21	-0.03	24	-0.03	20	0.04	20	0.02
Kd of Th-228 in Unsaturated Zone 3	25	0.02	28	0.02	31	0.01	33	0.01
Kd of Th-230 in Unsaturated Zone 3	20	-0.03	23	-0.03	35	0.00	35	0.00
Kd of Th-232 in Unsaturated Zone 3	13	-0.05	19	-0.04	36	0.00	36	0.00
Thickness of contaminated zone	6	0.22	2	0.30	3	0.62	1	0.63
Thickness of Unsaturated zone 1	8	-0.09	12	-0.07	9	-0.09	12	-0.03
Thickness of Unsaturated zone 2	26	0.02	29	0.02	26	-0.02	30	-0.01
Thickness of Unsaturated zone 3	35	0.00	35	0.00	7	0.11	10	0.04
Hydraulic Conductivity of Unsaturated zone 1	24	-0.03	27	-0.02	17	0.05	23	0.02
Hydraulic Conductivity of Unsaturated zone 2	36	0.00	36	0.00	25	0.02	29	0.01
Hydraulic Conductivity of Unsaturated zone 3	14	0.05	20	0.04	21	0.03	26	0.01
Saturated zone hydraulic conductivity	7	-0.10	11	-0.07	11	0.07	17	0.03
Evapotranspiration coefficient	15	-0.05	21	-0.04	12	0.07	18	0.02
Wind Speed	5	-0.22	6	-0.16	5	-0.52	5	-0.22
Runoff coefficient	10	0.09	13	0.06	30	0.01	32	0.01
Inhalation rate	4	0.30	5	0.22	6	0.45	6	0.18
Mass loading for inhalation	2	0.35	3	0.27	4	0.58	4	0.26
Outdoor time fraction	3	0.35	4	0.27	2	0.71	3	0.36
Soil ingestion	34	-0.01	34	0.00	15	0.06	22	0.02
Aquatic food	9	-0.09	14	-0.06	14	-0.06	21	-0.02
Plant food	11	-0.08	15	-0.06	33	0.01	34	0.00
Meat	27	-0.02	30	-0.01	13	-0.06	19	-0.02
Depth of soil mixing layer	1	-0.51	1	-0.44	1	-0.79	2	-0.47
Depth of roots	32	-0.01	33	0.00	10	-0.08	15	-0.03
Area of contaminated zone	33	0.01	31	0.01	19	0.04	11	0.03
R-SQUARE	0.50		0.50		0.87		0.87	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

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

Coefficients for peak Ra-228 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 Th-230 in Contaminated Zone	20	-0.05	10	-0.13	12	0.11	8	0.15	
Kd of Th-230 in Unsaturated Zone 1	34	-0.01	34	0.00	17	0.08	16	0.04	
Kd of Th-230 in Unsaturated Zone 2	33	-0.01	33	-0.01	14	0.09	12	0.05	
Kd of Th-230 in Saturated Zone	14	-0.07	18	-0.04	16	0.08	15	0.04	
Kd of Th-228 in Contaminated Zone	23	0.04	7	0.17	11	-0.11	6	-0.22	
Kd of Th-228 in Unsaturated Zone 1	13	0.07	17	0.05	18	0.07	17	0.04	
Kd of Th-228 in Unsaturated Zone 2	30	0.02	30	0.01	20	-0.05	20	-0.03	
Kd of Th-228 in Saturated Zone	32	-0.01	32	-0.01	27	-0.02	18	-0.03	
Kd of Th-230 in Contaminated Zone	16	-0.06	8	-0.17	9	0.12	7	0.16	
Kd of Th-230 in Unsaturated Zone 1	6	0.28	6	0.20	33	-0.01	33	0.00	
Kd of Th-230 in Unsaturated Zone 2	31	-0.02	31	-0.01	25	0.03	24	0.02	
Kd of Th-230 in Saturated Zone	19	-0.05	21	-0.03	30	-0.02	27	-0.01	
Kd of Th-228 in Unsaturated Zone 3	18	-0.05	20	-0.04	28	0.02	29	0.01	
Kd of Th-230 in Unsaturated Zone 3	22	-0.04	23	-0.03	31	0.02	31	0.01	
Kd of Th-232 in Unsaturated Zone 3	24	0.04	24	0.03	22	0.05	23	0.02	
Thickness of contaminated zone	4	0.33	1	0.43	4	0.64	1	0.68	
Thickness of Unsaturated zone 1	9	-0.10	12	-0.07	10	0.12	14	0.04	
Thickness of Unsaturated zone 2	26	-0.04	26	-0.03	36	0.00	36	0.00	
Thickness of Unsaturated zone 3	11	-0.08	15	-0.05	15	-0.08	19	-0.03	
Hydraulic Conductivity of Unsaturated zone 1	21	-0.05	22	-0.03	21	-0.05	22	-0.02	
Hydraulic Conductivity of Unsaturated zone 2	12	0.08	16	0.05	26	0.03	28	0.01	
Hydraulic Conductivity of Unsaturated zone 3	10	0.09	14	0.06	19	0.06	21	0.02	
Saturated zone hydraulic conductivity	15	-0.06	19	-0.04	24	0.03	26	0.01	
Evapotranspiration coefficient	27	-0.04	27	-0.03	23	-0.03	25	-0.01	
Wind Speed	5	-0.32	5	-0.22	5	-0.57	5	-0.24	
Runoff coefficient	8	0.16	11	0.11	7	0.19	11	0.07	
Inhalation rate	7	0.19	9	0.13	6	0.38	9	0.14	
Mass loading for inhalation	3	0.35	4	0.24	3	0.69	4	0.33	
Outdoor time fraction	2	0.40	3	0.28	2	0.72	3	0.37	
Soil ingestion	29	-0.02	29	-0.01	34	0.00	34	0.00	
Aquatic food	25	-0.04	25	-0.03	35	0.00	35	0.00	
Plant food	35	0.00	35	0.00	32	0.01	32	0.00	
Meat	36	0.00	36	0.00	8	-0.13	13	-0.04	
Depth of soil mixing layer	1	-0.54	2	-0.42	1	-0.79	2	-0.46	
Depth of roots	28	-0.04	28	-0.02	29	0.02	30	0.01	
Area of contaminated zone	17	0.05	13	0.07	13	0.11	10	0.09	
R-SQUARE		0.60		0.60		0.88		0.88	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient 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 Th-230 in Contaminated Zone	32	-0.01	15	-0.05	15	-0.07	9	-0.09
Kd of Th-230 in Unsaturated Zone 1	27	-0.02	29	-0.02	22	-0.04	18	-0.02
Kd of Th-230 in Unsaturated Zone 2	28	-0.02	30	-0.02	31	0.01	30	0.01
Kd of Th-230 in Saturated Zone	36	0.00	36	0.00	20	0.04	17	0.02
Kd of Th-228 in Contaminated Zone	26	0.03	8	0.14	13	0.08	8	0.14
Kd of Th-228 in Unsaturated Zone 1	20	-0.04	22	-0.03	35	0.00	35	0.00
Kd of Th-228 in Unsaturated Zone 2	13	-0.06	16	-0.05	33	0.01	33	0.00
Kd of Th-228 in Saturated Zone	21	-0.04	24	-0.03	30	0.01	16	0.02
Kd of Th-230 in Contaminated Zone	34	-0.01	23	-0.03	8	-0.13	7	-0.15
Kd of Th-230 in Unsaturated Zone 1	25	-0.03	28	-0.02	27	-0.02	26	-0.01
Kd of Th-230 in Unsaturated Zone 2	23	0.03	26	0.03	36	0.00	36	0.00
Kd of Th-230 in Saturated Zone	18	0.04	20	0.04	23	-0.04	19	-0.02
Kd of Th-228 in Unsaturated Zone 3	33	0.01	34	0.01	24	0.04	25	0.01
Kd of Th-230 in Unsaturated Zone 3	35	0.00	35	0.00	18	0.05	22	0.02
Kd of Th-232 in Unsaturated Zone 3	29	0.02	31	0.02	26	-0.02	28	-0.01
Thickness of contaminated zone	7	0.17	2	0.25	4	0.63	1	0.61
Thickness of Unsaturated zone 1	16	0.05	19	0.04	34	0.01	34	0.00
Thickness of Unsaturated zone 2	14	0.05	17	0.04	29	0.01	32	0.00
Thickness of Unsaturated zone 3	30	0.02	32	0.01	16	0.05	20	0.02
Hydraulic Conductivity of Unsaturated zone 1	31	0.01	33	0.01	12	-0.08	14	-0.03
Hydraulic Conductivity of Unsaturated zone 2	6	0.17	7	0.14	28	-0.02	31	-0.01
Hydraulic Conductivity of Unsaturated zone 3	15	-0.05	18	-0.04	11	-0.08	13	-0.03
Saturated zone hydraulic conductivity	24	0.03	27	0.03	14	0.08	15	0.03
Evapotranspiration coefficient	9	-0.09	10	-0.08	25	0.02	27	0.01
Wind Speed	2	-0.26	3	-0.21	5	-0.60	5	-0.25
Runoff coefficient	19	-0.04	21	-0.03	7	0.14	10	0.05
Inhalation rate	5	0.18	6	0.14	6	0.44	6	0.16
Mass loading for inhalation	4	0.22	4	0.18	3	0.66	4	0.29
Outdoor time fraction	3	0.22	5	0.18	2	0.72	3	0.35
Soil ingestion	22	0.03	25	0.03	9	0.11	11	0.04
Aquatic food	12	-0.07	14	-0.05	21	-0.04	24	-0.01
Plant food	10	-0.08	12	-0.07	17	-0.05	21	-0.02
Meat	11	0.08	13	0.06	19	-0.04	23	-0.01
Depth of soil mixing layer	1	-0.43	1	-0.37	1	-0.82	2	-0.48
Depth of roots	8	-0.11	9	-0.08	10	-0.09	12	-0.03
Area of contaminated zone	17	-0.05	11	-0.07	32	-0.01	29	-0.01
R-SQUARE		0.41		0.41		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 Ra-228 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 4		SRC 4		PRCC 4		SRRC 4	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	20	-0.04	8	-0.10	35	-0.01	32	-0.01
Kd of Th-230 in Unsaturated Zone 1	16	-0.07	17	-0.04	17	0.08	13	0.05
Kd of Th-230 in Unsaturated Zone 2	13	-0.08	16	-0.05	10	0.10	9	0.06
Kd of Th-230 in Saturated Zone	23	-0.04	27	-0.02	21	0.07	17	0.04
Kd of Th-228 in Contaminated Zone	30	0.02	9	0.08	30	0.02	14	0.04
Kd of Th-228 in Unsaturated Zone 1	12	-0.08	15	-0.05	13	0.09	11	0.06
Kd of Th-228 in Unsaturated Zone 2	36	-0.01	33	-0.01	11	0.10	10	0.06
Kd of Th-228 in Saturated Zone	5	0.36	5	0.24	12	-0.09	6	-0.18
Kd of Th-230 in Contaminated Zone	29	-0.02	11	-0.06	32	-0.01	26	-0.02
Kd of Th-230 in Unsaturated Zone 1	32	-0.01	25	-0.02	27	0.04	23	0.03
Kd of Th-230 in Unsaturated Zone 2	8	0.11	10	0.07	22	0.07	15	0.04
Kd of Th-230 in Saturated Zone	18	-0.05	21	-0.03	14	0.09	12	0.05
Kd of Th-228 in Unsaturated Zone 3	15	0.07	18	0.04	26	-0.04	29	-0.02
Kd of Th-230 in Unsaturated Zone 3	22	-0.04	26	-0.02	18	-0.08	21	-0.03
Kd of Th-232 in Unsaturated Zone 3	27	-0.03	31	-0.02	19	-0.08	22	-0.03
Thickness of contaminated zone	3	0.39	1	0.48	4	0.65	1	0.67
Thickness of Unsaturated zone 1	35	0.01	36	0.00	24	-0.05	27	-0.02
Thickness of Unsaturated zone 2	25	-0.03	29	-0.02	8	-0.11	18	-0.04
Thickness of Unsaturated zone 3	17	-0.06	20	-0.04	33	-0.01	34	0.00
Hydraulic Conductivity of Unsaturated zone 1	19	0.05	22	0.03	15	-0.09	19	-0.03
Hydraulic Conductivity of Unsaturated zone 2	33	0.01	34	0.01	16	0.08	20	0.03
Hydraulic Conductivity of Unsaturated zone 3	26	-0.03	30	-0.02	25	-0.05	28	-0.02
Saturated zone hydraulic conductivity	21	-0.04	24	-0.03	23	0.06	25	0.02
Evapotranspiration coefficient	31	-0.02	32	-0.01	20	0.07	24	0.02
Wind Speed	7	-0.22	7	-0.14	5	-0.53	5	-0.22
Runoff coefficient	11	-0.08	13	-0.05	28	-0.04	30	-0.02
Inhalation rate	6	0.25	6	0.16	6	0.39	7	0.15
Mass loading for inhalation	4	0.37	4	0.25	3	0.66	4	0.31
Outdoor time fraction	2	0.42	3	0.28	2	0.76	3	0.40
Soil ingestion	14	-0.07	19	-0.04	29	0.04	31	0.01
Aquatic food	9	-0.09	12	-0.05	31	-0.02	33	-0.01
Plant food	10	0.08	14	0.05	36	0.00	36	0.00
Meat	34	0.01	35	0.01	34	-0.01	35	0.00
Depth of soil mixing layer	1	-0.56	2	-0.42	1	-0.79	2	-0.46
Depth of roots	24	-0.04	28	-0.02	7	0.11	16	0.04
Area of contaminated zone	28	0.03	23	0.03	9	0.10	8	0.08
R-SQUARE		0.64		0.64		0.88		0.88

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient 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 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	20	-0.04	11	-0.11	32	-0.01	29	-0.01
Kd of Th-230 in Unsaturated Zone 1	25	0.03	24	0.02	25	-0.03	26	-0.02
Kd of Th-230 in Unsaturated Zone 2	18	0.06	20	0.04	34	0.00	33	0.00
Kd of Th-230 in Saturated Zone	33	-0.01	33	0.00	23	-0.03	24	-0.02
Kd of Th-228 in Contaminated Zone	19	0.06	6	0.22	28	0.02	12	0.03
Kd of Th-228 in Unsaturated Zone 1	32	0.01	32	0.01	30	0.01	31	0.01
Kd of Th-228 in Unsaturated Zone 2	34	-0.01	34	0.00	15	-0.07	10	-0.04
Kd of Th-228 in Saturated Zone	28	0.02	28	0.01	21	0.04	8	0.07
Kd of Th-230 in Contaminated Zone	17	-0.06	9	-0.16	27	-0.02	16	-0.03
Kd of Th-230 in Unsaturated Zone 1	30	0.01	30	0.01	22	-0.04	22	-0.02
Kd of Th-230 in Unsaturated Zone 2	21	0.04	21	0.02	29	-0.02	30	-0.01
Kd of Th-230 in Saturated Zone	26	-0.02	27	-0.02	26	-0.03	27	-0.01
Kd of Th-228 in Unsaturated Zone 3	36	0.00	36	0.00	24	0.03	28	0.01
Kd of Th-230 in Unsaturated Zone 3	2	0.44	2	0.41	36	0.00	36	0.00
Kd of Th-232 in Unsaturated Zone 3	6	-0.27	4	-0.23	10	-0.09	14	-0.03
Thickness of contaminated zone	3	0.34	1	0.44	4	0.67	1	0.69
Thickness of Unsaturated zone 1	12	-0.11	15	-0.07	18	0.06	20	0.02
Thickness of Unsaturated zone 2	31	-0.01	31	-0.01	19	0.05	23	0.02
Thickness of Unsaturated zone 3	10	-0.12	14	-0.08	12	0.09	13	0.03
Hydraulic Conductivity of Unsaturated zone 1	11	0.11	16	0.07	11	-0.09	15	-0.03
Hydraulic Conductivity of Unsaturated zone 2	23	0.03	23	0.02	7	-0.13	9	-0.04
Hydraulic Conductivity of Unsaturated zone 3	16	-0.07	19	-0.05	20	0.05	25	0.02
Saturated zone hydraulic conductivity	35	0.01	35	0.00	16	-0.07	19	-0.02
Evapotranspiration coefficient	29	-0.02	29	-0.01	14	0.08	17	0.03
Wind Speed	7	-0.25	8	-0.18	5	-0.55	5	-0.22
Runoff coefficient	27	0.02	26	0.02	17	0.06	21	0.02
Inhalation rate	8	0.20	10	0.13	6	0.45	6	0.17
Mass loading for inhalation	5	0.27	7	0.19	3	0.69	4	0.32
Outdoor time fraction	4	0.31	5	0.22	2	0.73	3	0.36
Soil ingestion	9	-0.14	13	-0.10	35	0.00	35	0.00
Aquatic food	13	0.09	17	0.06	33	0.00	34	0.00
Plant food	14	0.09	18	0.06	8	-0.11	11	-0.04
Meat	22	-0.03	22	-0.02	31	0.01	32	0.00
Depth of soil mixing layer	1	-0.47	3	-0.36	1	-0.80	2	-0.45
Depth of roots	24	-0.03	25	-0.02	13	0.08	18	0.03
Area of contaminated zone	15	0.08	12	0.10	9	0.10	7	0.08
R-SQUARE		0.58		0.58		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 Th-228 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Th-228 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 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 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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Th-228 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 4		SRC 4		PRCC 4		SRRC 4	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Th-228 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-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 Unsaturated Zone 2	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-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Plant food	0	0.00	0	0.00	0	0.00	0	0.00
Meat	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
Area of contaminated zone	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 Th-230 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	19	-0.03	5	-0.09	11	0.08	5	0.09
Kd of Th-230 in Unsaturated Zone 1	14	-0.04	4	-0.10	16	0.06	13	0.03
Kd of Th-230 in Unsaturated Zone 2	33	-0.01	33	0.00	19	0.05	15	0.02
Kd of Th-230 in Saturated Zone	23	-0.02	15	-0.04	23	0.04	17	0.02
Kd of Th-228 in Contaminated Zone	29	0.01	9	0.05	6	-0.09	4	-0.16
Kd of Th-228 in Unsaturated Zone 1	18	-0.03	23	-0.02	9	0.09	8	0.04
Kd of Th-228 in Unsaturated Zone 2	9	-0.06	12	-0.04	32	-0.02	32	-0.01
Kd of Th-228 in Saturated Zone	22	0.02	6	0.08	20	-0.05	7	-0.07
Kd of Th-230 in Contaminated Zone	36	0.00	34	0.00	13	0.07	6	0.08
Kd of Th-230 in Unsaturated Zone 1	32	0.01	26	0.01	30	0.03	27	0.01
Kd of Th-230 in Unsaturated Zone 2	16	-0.04	21	-0.02	28	0.03	22	0.01
Kd of Th-230 in Saturated Zone	21	0.03	25	0.02	7	0.09	9	0.04
Kd of Th-228 in Unsaturated Zone 3	28	0.01	29	0.01	31	0.02	33	0.01
Kd of Th-230 in Unsaturated Zone 3	25	-0.02	27	-0.01	21	0.05	23	0.01
Kd of Th-232 in Unsaturated Zone 3	26	-0.02	28	-0.01	15	-0.06	19	-0.02
Thickness of contaminated zone	3	0.40	1	0.53	3	0.72	1	0.70
Thickness of Unsaturated zone 1	34	0.01	35	0.00	22	-0.04	24	-0.01
Thickness of Unsaturated zone 2	7	0.07	11	0.05	36	0.00	36	0.00
Thickness of Unsaturated zone 3	5	-0.07	8	-0.05	10	-0.08	14	-0.03
Hydraulic Conductivity of Unsaturated zone 1	11	0.04	16	0.03	35	-0.01	35	0.00
Hydraulic Conductivity of Unsaturated zone 2	27	0.01	30	0.01	27	-0.03	30	-0.01
Hydraulic Conductivity of Unsaturated zone 3	35	-0.01	36	0.00	24	0.04	25	0.01
Saturated zone hydraulic conductivity	17	0.03	22	0.02	5	-0.10	11	-0.03
Evapotranspiration coefficient	31	0.01	32	0.01	14	-0.06	18	-0.02
Wind Speed	12	-0.04	17	-0.03	25	0.04	26	0.01
Runoff coefficient	8	-0.06	13	-0.04	18	0.05	21	0.02
Inhalation rate	13	-0.04	18	-0.03	33	0.02	34	0.00
Mass loading for inhalation	4	0.12	7	0.08	4	-0.12	10	-0.04
Outdoor time fraction	15	-0.04	19	-0.03	17	-0.05	20	-0.02
Soil ingestion	6	0.07	10	0.05	29	-0.03	31	-0.01
Aquatic food	10	0.06	14	0.04	12	-0.08	16	-0.02
Plant food	2	0.49	3	0.37	2	0.80	3	0.41
Meat	30	-0.01	31	-0.01	26	-0.03	28	-0.01
Depth of soil mixing layer	20	-0.03	24	-0.02	8	-0.09	12	-0.03
Depth of roots	1	-0.51	2	-0.38	1	-0.85	2	-0.50
Area of contaminated zone	24	-0.02	20	-0.02	34	-0.01	29	-0.01
R-SQUARE		0.59		0.59		0.91		0.91

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

Coefficients for peak Th-230 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	9	0.06	5	0.14	13	0.06	5	0.06
Kd of Th-230 in Unsaturated Zone 1	36	0.00	36	0.00	30	-0.01	30	0.00
Kd of Th-230 in Unsaturated Zone 2	35	0.00	35	0.00	23	0.03	23	0.01
Kd of Th-230 in Saturated Zone	7	-0.06	11	-0.04	33	0.00	33	0.00
Kd of Th-228 in Contaminated Zone	14	-0.05	4	-0.17	17	-0.05	4	-0.07
Kd of Th-228 in Unsaturated Zone 1	10	-0.06	13	-0.03	18	0.05	15	0.02
Kd of Th-228 in Unsaturated Zone 2	30	-0.01	30	-0.01	29	-0.02	27	-0.01
Kd of Th-228 in Saturated Zone	21	0.03	20	0.02	27	-0.02	10	-0.03
Kd of Th-230 in Contaminated Zone	13	0.05	6	0.12	12	0.06	6	0.06
Kd of Th-230 in Unsaturated Zone 1	24	-0.03	24	-0.02	25	0.02	24	0.01
Kd of Th-230 in Unsaturated Zone 2	32	0.00	32	0.00	22	0.03	20	0.01
Kd of Th-230 in Saturated Zone	33	0.00	33	0.00	34	0.00	34	0.00
Kd of Th-228 in Unsaturated Zone 3	23	-0.03	23	-0.02	10	-0.08	14	-0.02
Kd of Th-230 in Unsaturated Zone 3	28	-0.01	28	-0.01	14	0.06	17	0.02
Kd of Th-232 in Unsaturated Zone 3	29	0.01	29	0.01	11	-0.07	16	-0.02
Thickness of contaminated zone	3	0.49	1	0.62	3	0.77	1	0.75
Thickness of Unsaturated zone 1	20	-0.03	21	-0.02	19	0.05	21	0.01
Thickness of Unsaturated zone 2	4	-0.10	7	-0.05	15	0.05	18	0.01
Thickness of Unsaturated zone 3	17	-0.04	17	-0.02	4	-0.21	7	-0.06
Hydraulic Conductivity of Unsaturated zone 1	22	0.03	22	0.02	28	-0.02	29	-0.01
Hydraulic Conductivity of Unsaturated zone 2	18	0.04	18	0.02	20	-0.04	22	-0.01
Hydraulic Conductivity of Unsaturated zone 3	25	0.02	25	0.01	16	-0.05	19	-0.01
Saturated zone hydraulic conductivity	34	0.00	34	0.00	9	0.09	13	0.03
Evapotranspiration coefficient	26	-0.02	26	-0.01	6	0.10	9	0.03
Wind Speed	16	0.04	16	0.02	31	-0.01	31	0.00
Runoff coefficient	6	0.09	9	0.05	7	0.10	11	0.03
Inhalation rate	12	0.05	15	0.03	35	0.00	36	0.00
Mass loading for inhalation	27	0.02	27	0.01	32	0.01	32	0.00
Outdoor time fraction	31	0.01	31	0.00	8	0.10	12	0.03
Soil ingestion	11	-0.06	14	-0.03	21	0.04	25	0.01
Aquatic food	5	-0.09	8	-0.05	24	-0.03	26	-0.01
Plant food	2	0.56	3	0.39	2	0.81	3	0.38
Meat	8	-0.06	12	-0.04	26	0.02	28	0.01
Depth of soil mixing layer	19	-0.04	19	-0.02	5	-0.14	8	-0.04
Depth of roots	1	-0.57	2	-0.40	1	-0.87	2	-0.47
Area of contaminated zone	15	0.04	10	0.05	36	0.00	35	0.00
R-SQUARE		0.68		0.68		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 Th-230 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 Th-230 in Contaminated Zone	9	0.07	5	0.19	14	0.06	7	0.06
Kd of Th-230 in Unsaturated Zone 1	5	0.08	8	0.05	11	-0.07	9	-0.03
Kd of Th-230 in Unsaturated Zone 2	25	-0.03	25	-0.02	27	0.02	24	0.01
Kd of Th-230 in Saturated Zone	15	-0.05	17	-0.03	19	-0.04	17	-0.02
Kd of Th-228 in Contaminated Zone	8	-0.08	4	-0.30	16	-0.05	5	-0.08
Kd of Th-228 in Unsaturated Zone 1	10	-0.07	11	-0.04	31	0.02	29	0.01
Kd of Th-228 in Unsaturated Zone 2	31	0.02	30	0.01	26	-0.02	22	-0.01
Kd of Th-228 in Saturated Zone	24	0.03	26	0.02	13	0.06	4	0.09
Kd of Th-230 in Contaminated Zone	12	0.06	6	0.16	17	0.05	8	0.05
Kd of Th-230 in Unsaturated Zone 1	16	-0.05	16	-0.03	4	-0.15	6	-0.07
Kd of Th-230 in Unsaturated Zone 2	17	-0.05	18	-0.03	29	-0.02	28	-0.01
Kd of Th-230 in Saturated Zone	33	-0.02	33	-0.01	24	-0.02	21	-0.01
Kd of Th-228 in Unsaturated Zone 3	7	-0.08	10	-0.05	15	0.05	18	0.02
Kd of Th-230 in Unsaturated Zone 3	27	-0.03	27	-0.02	32	-0.01	32	0.00
Kd of Th-232 in Unsaturated Zone 3	20	-0.04	21	-0.03	12	-0.07	16	-0.02
Thickness of contaminated zone	3	0.43	1	0.57	3	0.74	1	0.72
Thickness of Unsaturated zone 1	32	-0.02	32	-0.01	6	-0.09	11	-0.03
Thickness of Unsaturated zone 2	35	0.01	35	0.00	35	0.00	35	0.00
Thickness of Unsaturated zone 3	23	0.04	23	0.02	18	0.05	20	0.01
Hydraulic Conductivity of Unsaturated zone 1	21	-0.04	22	-0.03	22	-0.03	26	-0.01
Hydraulic Conductivity of Unsaturated zone 2	34	-0.01	34	-0.01	30	-0.02	31	0.00
Hydraulic Conductivity of Unsaturated zone 3	14	-0.05	14	-0.03	34	-0.01	34	0.00
Saturated zone hydraulic conductivity	19	0.04	20	0.03	10	0.08	15	0.02
Evapotranspiration coefficient	11	-0.06	12	-0.04	8	0.08	14	0.02
Wind Speed	18	0.05	19	0.03	23	-0.03	27	-0.01
Runoff coefficient	29	0.02	29	0.01	9	0.08	13	0.02
Inhalation rate	22	0.04	24	0.02	20	0.04	23	0.01
Mass loading for inhalation	36	0.01	36	0.00	33	-0.01	33	0.00
Outdoor time fraction	4	0.10	7	0.06	5	0.10	10	0.03
Soil ingestion	6	-0.08	9	-0.05	36	0.00	36	0.00
Aquatic food	30	-0.02	31	-0.01	21	-0.03	25	-0.01
Plant food	2	0.44	3	0.31	2	0.82	3	0.41
Meat	28	-0.02	28	-0.01	7	-0.08	12	-0.02
Depth of soil mixing layer	13	0.05	15	0.03	25	-0.02	30	-0.01
Depth of roots	1	-0.53	2	-0.39	1	-0.87	2	-0.51
Area of contaminated zone	26	-0.03	13	-0.03	28	0.02	19	0.01
R-SQUARE	0.63		0.63		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 Th-230 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC	SRC	PRCC	SRRC
	4	4	4	4
	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Kd of Th-230 in Contaminated Zone	34 -0.01	24 -0.02	32 0.01	28 0.01
Kd of Th-230 in Unsaturated Zone 1	30 -0.01	33 -0.01	4 -0.13	5 -0.06
Kd of Th-230 in Unsaturated Zone 2	10 -0.07	10 -0.05	11 -0.08	8 -0.04
Kd of Th-230 in Saturated Zone	35 0.00	36 0.00	12 -0.07	9 -0.03
Kd of Th-228 in Contaminated Zone	36 0.00	31 -0.01	35 0.00	29 0.01
Kd of Th-228 in Unsaturated Zone 1	11 -0.07	12 -0.04	26 -0.03	19 -0.01
Kd of Th-228 in Unsaturated Zone 2	8 -0.08	5 -0.15	21 0.03	17 0.02
Kd of Th-228 in Saturated Zone	9 -0.08	9 -0.05	13 0.07	4 0.11
Kd of Th-230 in Contaminated Zone	27 -0.02	11 -0.04	29 0.02	15 0.02
Kd of Th-230 in Unsaturated Zone 1	7 0.09	4 0.16	5 -0.11	6 -0.05
Kd of Th-230 in Unsaturated Zone 2	23 -0.03	25 -0.02	6 -0.10	7 -0.05
Kd of Th-230 in Saturated Zone	32 0.01	34 0.01	16 -0.05	11 -0.02
Kd of Th-228 in Unsaturated Zone 3	28 0.02	30 0.01	18 0.04	22 0.01
Kd of Th-230 in Unsaturated Zone 3	26 -0.02	29 -0.01	24 -0.03	26 -0.01
Kd of Th-232 in Unsaturated Zone 3	12 -0.05	13 -0.03	25 -0.03	27 -0.01
Thickness of contaminated zone	3 0.43	1 0.56	3 0.76	1 0.74
Thickness of Unsaturated zone 1	20 0.03	21 0.02	33 -0.01	34 0.00
Thickness of Unsaturated zone 2	21 -0.03	22 -0.02	14 0.06	16 0.02
Thickness of Unsaturated zone 3	16 0.04	17 0.03	30 -0.01	32 0.00
Hydraulic Conductivity of Unsaturated zone 1	15 -0.04	16 -0.03	19 0.04	21 0.01
Hydraulic Conductivity of Unsaturated zone 2	6 -0.11	8 -0.07	15 0.05	18 0.02
Hydraulic Conductivity of Unsaturated zone 3	25 -0.02	28 -0.01	9 -0.08	13 -0.02
Saturated zone hydraulic conductivity	13 0.05	14 0.03	34 -0.01	35 0.00
Evapotranspiration coefficient	22 -0.03	23 -0.02	20 0.04	23 0.01
Wind Speed	4 0.17	6 0.11	31 0.01	33 0.00
Runoff coefficient	33 0.01	35 0.00	10 0.08	14 0.02
Inhalation rate	24 0.02	27 0.01	8 0.08	12 0.02
Mass loading for inhalation	29 -0.02	32 -0.01	27 -0.02	30 -0.01
Outdoor time fraction	17 0.04	18 0.02	23 -0.03	25 -0.01
Soil ingestion	14 0.04	15 0.03	7 0.09	10 0.03
Aquatic food	5 -0.13	7 -0.08	17 -0.04	20 -0.01
Plant food	2 0.46	3 0.33	2 0.79	3 0.37
Meat	19 -0.03	20 -0.02	22 0.03	24 0.01
Depth of soil mixing layer	18 -0.03	19 -0.02	28 0.02	31 0.01
Depth of roots	1 -0.54	2 -0.41	1 -0.85	2 -0.45
Area of contaminated zone	31 -0.01	26 -0.01	36 0.00	36 0.00
R-SQUARE	0.62	0.62	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 Th-230 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	34	0.01	22	0.02	20	-0.04	9	-0.04
Kd of Th-230 in Unsaturated Zone 1	28	-0.02	30	-0.01	22	0.03	20	0.02
Kd of Th-230 in Unsaturated Zone 2	14	-0.04	13	-0.03	7	0.09	8	0.04
Kd of Th-230 in Saturated Zone	19	0.02	23	0.01	17	-0.04	16	-0.02
Kd of Th-228 in Contaminated Zone	32	0.01	10	0.03	21	0.03	4	0.06
Kd of Th-228 in Unsaturated Zone 1	26	0.02	29	0.01	6	0.10	6	0.05
Kd of Th-228 in Unsaturated Zone 2	12	-0.04	15	-0.03	4	-0.11	5	-0.05
Kd of Th-228 in Saturated Zone	25	0.02	27	0.01	35	0.00	33	0.00
Kd of Th-230 in Contaminated Zone	30	-0.01	12	-0.03	26	-0.02	11	-0.03
Kd of Th-230 in Unsaturated Zone 1	18	0.02	20	0.02	18	0.04	17	0.02
Kd of Th-230 in Unsaturated Zone 2	29	-0.02	32	-0.01	19	-0.04	19	-0.02
Kd of Th-230 in Saturated Zone	33	0.01	34	0.00	15	0.04	14	0.02
Kd of Th-228 in Unsaturated Zone 3	22	-0.02	25	-0.01	28	-0.01	28	0.00
Kd of Th-230 in Unsaturated Zone 3	6	-0.06	6	-0.05	24	0.03	25	0.01
Kd of Th-232 in Unsaturated Zone 3	20	0.02	18	0.02	13	-0.05	21	-0.02
Thickness of contaminated zone	3	0.43	1	0.56	3	0.70	1	0.68
Thickness of Unsaturated zone 1	16	0.03	19	0.02	30	-0.01	29	0.00
Thickness of Unsaturated zone 2	15	-0.04	17	-0.02	16	0.04	23	0.01
Thickness of Unsaturated zone 3	11	0.04	14	0.03	14	0.04	22	0.01
Hydraulic Conductivity of Unsaturated zone 1	4	0.08	4	0.05	23	0.03	24	0.01
Hydraulic Conductivity of Unsaturated zone 2	7	0.06	7	0.04	5	0.11	10	0.03
Hydraulic Conductivity of Unsaturated zone 3	10	-0.05	8	-0.03	8	0.09	12	0.03
Saturated zone hydraulic conductivity	31	0.01	33	0.01	11	-0.06	15	-0.02
Evapotranspiration coefficient	21	-0.02	24	-0.01	27	0.02	27	0.01
Wind Speed	35	0.00	35	0.00	32	0.01	32	0.00
Runoff coefficient	17	-0.02	21	-0.02	12	0.06	18	0.02
Inhalation rate	9	0.05	11	0.03	9	0.07	13	0.02
Mass loading for inhalation	8	-0.05	9	-0.03	34	0.01	35	0.00
Outdoor time fraction	24	0.02	28	0.01	29	-0.01	30	0.00
Soil ingestion	23	0.02	26	0.01	25	-0.02	26	-0.01
Aquatic food	5	0.08	5	0.05	36	0.00	36	0.00
Plant food	1	0.54	2	0.40	2	0.81	3	0.42
Meat	13	0.04	16	0.03	31	0.01	31	0.00
Depth of soil mixing layer	27	-0.02	31	-0.01	33	-0.01	34	0.00
Depth of roots	2	-0.51	3	-0.38	1	-0.84	2	-0.48
Area of contaminated zone	36	0.00	36	0.00	10	-0.06	7	-0.05
R-SQUARE		0.62		0.62		0.91		0.91

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

Coefficients for peak Th-232 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	17	-0.03	5	-0.07	7	-0.10	6	-0.11
Kd of Th-230 in Unsaturated Zone 1	32	0.00	28	-0.01	23	-0.04	20	-0.02
Kd of Th-230 in Unsaturated Zone 2	6	0.09	8	0.05	26	0.03	26	0.01
Kd of Th-230 in Saturated Zone	35	0.00	35	0.00	13	0.07	11	0.03
Kd of Th-228 in Contaminated Zone	27	0.01	9	0.05	8	0.08	5	0.13
Kd of Th-228 in Unsaturated Zone 1	15	-0.04	19	-0.02	21	-0.04	16	-0.02
Kd of Th-228 in Unsaturated Zone 2	8	-0.06	12	-0.04	18	-0.05	12	-0.02
Kd of Th-228 in Saturated Zone	26	-0.01	10	-0.05	28	-0.03	9	-0.04
Kd of Th-230 in Contaminated Zone	34	0.00	33	0.00	10	-0.07	7	-0.08
Kd of Th-230 in Unsaturated Zone 1	21	0.02	13	0.04	24	0.03	22	0.01
Kd of Th-230 in Unsaturated Zone 2	10	-0.05	14	-0.03	36	0.00	35	0.00
Kd of Th-230 in Saturated Zone	31	-0.01	32	0.00	5	0.11	8	0.05
Kd of Th-228 in Unsaturated Zone 3	28	0.01	29	0.01	29	-0.02	30	-0.01
Kd of Th-230 in Unsaturated Zone 3	19	-0.02	22	-0.01	11	0.07	14	0.02
Kd of Th-232 in Unsaturated Zone 3	23	0.02	25	0.01	6	-0.10	10	-0.03
Thickness of contaminated zone	2	0.47	1	0.58	3	0.76	1	0.76
Thickness of Unsaturated zone 1	30	0.01	31	0.01	33	0.01	33	0.00
Thickness of Unsaturated zone 2	36	0.00	36	0.00	22	-0.04	27	-0.01
Thickness of Unsaturated zone 3	11	-0.05	15	-0.03	31	-0.02	31	-0.01
Hydraulic Conductivity of Unsaturated zone 1	7	0.08	11	0.04	35	0.00	36	0.00
Hydraulic Conductivity of Unsaturated zone 2	22	0.02	24	0.01	16	0.06	19	0.02
Hydraulic Conductivity of Unsaturated zone 3	24	-0.02	26	-0.01	19	0.05	23	0.01
Saturated zone hydraulic conductivity	14	0.04	17	0.02	27	0.03	29	0.01
Evapotranspiration coefficient	13	-0.04	18	-0.02	25	-0.03	28	-0.01
Wind Speed	25	-0.02	27	-0.01	34	0.01	34	0.00
Runoff coefficient	29	0.01	30	0.01	17	0.05	21	0.02
Inhalation rate	33	0.00	34	0.00	9	0.08	13	0.02
Mass loading for inhalation	16	0.03	20	0.02	32	-0.02	32	-0.01
Outdoor time fraction	5	-0.09	7	-0.05	14	-0.06	17	-0.02
Soil ingestion	18	0.03	21	0.02	12	0.07	15	0.02
Aquatic food	20	-0.02	23	-0.01	20	-0.04	24	-0.01
Plant food	12	0.05	16	0.03	15	-0.06	18	-0.02
Meat	1	0.55	2	0.38	1	0.82	2	0.42
Depth of soil mixing layer	4	-0.34	4	-0.21	4	-0.58	4	-0.21
Depth of roots	3	-0.40	3	-0.25	2	-0.78	3	-0.36
Area of contaminated zone	9	-0.06	6	-0.07	30	0.02	25	0.01
R-SQUARE	0.67		0.67		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 Th-232 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	23	0.02	10	0.05	36	0.00	35	0.00
Kd of Th-230 in Unsaturated Zone 1	33	0.00	33	0.00	7	0.11	10	0.05
Kd of Th-230 in Unsaturated Zone 2	20	-0.02	22	-0.02	10	0.09	12	0.04
Kd of Th-230 in Saturated Zone	19	-0.03	21	-0.02	35	-0.01	34	0.00
Kd of Th-228 in Contaminated Zone	22	-0.02	5	-0.08	24	-0.04	5	-0.08
Kd of Th-228 in Unsaturated Zone 1	29	-0.01	30	-0.01	14	0.06	13	0.03
Kd of Th-228 in Unsaturated Zone 2	25	-0.02	26	-0.01	31	0.01	29	0.01
Kd of Th-228 in Saturated Zone	35	0.00	35	0.00	20	-0.05	6	-0.07
Kd of Th-230 in Contaminated Zone	31	0.00	24	0.01	16	0.06	7	0.07
Kd of Th-230 in Unsaturated Zone 1	9	0.08	11	0.05	33	-0.01	32	0.00
Kd of Th-230 in Unsaturated Zone 2	32	0.00	32	0.00	22	0.05	19	0.02
Kd of Th-230 in Saturated Zone	12	-0.05	15	-0.03	15	0.06	16	0.03
Kd of Th-228 in Unsaturated Zone 3	36	0.00	36	0.00	26	-0.03	26	-0.01
Kd of Th-230 in Unsaturated Zone 3	18	-0.03	20	-0.02	28	-0.02	28	-0.01
Kd of Th-232 in Unsaturated Zone 3	28	0.01	29	0.01	23	0.05	24	0.02
Thickness of contaminated zone	1	0.48	1	0.65	3	0.71	1	0.73
Thickness of Unsaturated zone 1	17	-0.04	19	-0.03	25	0.04	25	0.01
Thickness of Unsaturated zone 2	26	0.02	27	0.01	32	0.01	33	0.00
Thickness of Unsaturated zone 3	14	-0.05	16	-0.03	5	-0.21	8	-0.07
Hydraulic Conductivity of Unsaturated zone 1	30	-0.01	31	-0.01	17	0.06	20	0.02
Hydraulic Conductivity of Unsaturated zone 2	7	0.09	9	0.06	9	-0.09	15	-0.03
Hydraulic Conductivity of Unsaturated zone 3	10	0.07	13	0.04	19	-0.05	22	-0.02
Saturated zone hydraulic conductivity	27	0.01	28	0.01	8	0.10	14	0.03
Evapotranspiration coefficient	6	-0.09	7	-0.06	29	0.02	30	0.01
Wind Speed	15	0.04	17	0.03	18	0.06	21	0.02
Runoff coefficient	5	0.13	6	0.08	6	0.19	9	0.06
Inhalation rate	11	-0.06	14	-0.04	34	0.01	36	0.00
Mass loading for inhalation	24	-0.02	25	-0.01	11	0.08	17	0.03
Outdoor time fraction	21	-0.02	23	-0.01	12	0.08	18	0.03
Soil ingestion	16	-0.04	18	-0.03	21	-0.05	23	-0.02
Aquatic food	8	-0.08	12	-0.05	27	0.03	27	0.01
Plant food	34	0.00	34	0.00	30	0.02	31	0.00
Meat	2	0.46	2	0.32	1	0.78	2	0.40
Depth of soil mixing layer	4	-0.33	4	-0.22	4	-0.58	4	-0.22
Depth of roots	3	-0.38	3	-0.25	2	-0.71	3	-0.32
Area of contaminated zone	13	0.05	8	0.06	13	-0.07	11	-0.05
R-SQUARE	0.63		0.63		0.90		0.90	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

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

Coefficients for peak 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 Th-230 in Contaminated Zone	26	0.03	9	0.08	26	-0.03	12	-0.03
Kd of Th-230 in Unsaturated Zone 1	24	0.04	27	0.03	36	0.00	36	0.00
Kd of Th-230 in Unsaturated Zone 2	20	-0.05	23	-0.03	28	0.02	28	0.01
Kd of Th-230 in Saturated Zone	34	0.01	34	0.00	23	0.03	22	0.01
Kd of Th-228 in Contaminated Zone	29	-0.02	7	-0.09	27	0.02	9	0.03
Kd of Th-228 in Unsaturated Zone 1	36	0.00	36	0.00	25	0.03	26	0.01
Kd of Th-228 in Unsaturated Zone 2	27	-0.03	29	-0.02	35	0.00	35	0.00
Kd of Th-228 in Saturated Zone	19	0.05	22	0.03	30	0.02	13	0.03
Kd of Th-230 in Contaminated Zone	31	0.01	20	0.03	10	-0.07	5	-0.07
Kd of Th-230 in Unsaturated Zone 1	13	-0.08	15	-0.04	12	-0.06	10	-0.03
Kd of Th-230 in Unsaturated Zone 2	18	-0.06	21	-0.03	19	0.04	15	0.02
Kd of Th-230 in Saturated Zone	32	0.01	32	0.01	15	-0.05	14	-0.02
Kd of Th-228 in Unsaturated Zone 3	33	-0.01	33	0.00	13	-0.06	18	-0.02
Kd of Th-230 in Unsaturated Zone 3	28	-0.03	30	-0.01	24	0.03	29	0.01
Kd of Th-232 in Unsaturated Zone 3	30	-0.01	31	-0.01	7	-0.10	11	-0.03
Thickness of contaminated zone	4	0.36	1	0.42	3	0.76	1	0.75
Thickness of Unsaturated zone 1	25	0.04	28	0.02	5	-0.14	7	-0.04
Thickness of Unsaturated zone 2	16	0.06	18	0.03	18	0.05	23	0.01
Thickness of Unsaturated zone 3	14	-0.07	17	-0.04	33	0.01	33	0.00
Hydraulic Conductivity of Unsaturated zone 1	15	-0.07	16	-0.04	34	-0.01	34	0.00
Hydraulic Conductivity of Unsaturated zone 2	7	0.13	8	0.08	20	0.04	24	0.01
Hydraulic Conductivity of Unsaturated zone 3	12	-0.08	14	-0.05	17	0.05	21	0.01
Saturated zone hydraulic conductivity	6	0.18	6	0.11	22	0.04	27	0.01
Evapotranspiration coefficient	8	-0.12	10	-0.07	32	-0.01	32	0.00
Wind Speed	22	-0.05	25	-0.03	8	0.07	16	0.02
Runoff coefficient	35	0.01	35	0.00	6	0.12	8	0.03
Inhalation rate	11	0.10	13	0.06	21	-0.04	25	-0.01
Mass loading for inhalation	21	0.05	24	0.03	14	-0.06	19	-0.02
Outdoor time fraction	9	0.12	11	0.07	11	0.07	17	0.02
Soil ingestion	23	0.05	26	0.03	16	0.05	20	0.01
Aquatic food	17	-0.06	19	-0.03	31	-0.01	31	0.00
Plant food	10	-0.11	12	-0.06	29	-0.02	30	0.00
Meat	1	0.57	2	0.40	1	0.82	2	0.40
Depth of soil mixing layer	3	-0.39	4	-0.24	4	-0.54	4	-0.18
Depth of roots	2	-0.50	3	-0.32	2	-0.78	3	-0.34
Area of contaminated zone	5	-0.19	5	-0.21	9	-0.07	6	-0.04
R-SQUARE		0.69		0.69		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 Th-232 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	21	-0.03	11	-0.06	14	-0.11	7	-0.13
Kd of Th-230 in Unsaturated Zone 1	33	-0.01	34	0.00	6	0.16	10	0.08
Kd of Th-230 in Unsaturated Zone 2	9	-0.10	12	-0.06	21	0.09	16	0.04
Kd of Th-230 in Saturated Zone	32	-0.01	33	-0.01	26	0.07	21	0.03
Kd of Th-228 in Contaminated Zone	35	0.00	25	0.01	16	0.11	5	0.18
Kd of Th-228 in Unsaturated Zone 1	8	-0.12	10	-0.07	15	0.11	13	0.06
Kd of Th-228 in Unsaturated Zone 2	11	-0.08	5	-0.13	19	0.10	14	0.05
Kd of Th-228 in Saturated Zone	6	0.19	7	0.11	7	-0.15	4	-0.26
Kd of Th-230 in Contaminated Zone	31	0.01	19	0.02	18	-0.10	8	-0.12
Kd of Th-230 in Unsaturated Zone 1	15	0.06	9	0.09	8	0.14	11	0.08
Kd of Th-230 in Unsaturated Zone 2	25	-0.02	28	-0.01	12	0.12	12	0.06
Kd of Th-230 in Saturated Zone	34	0.01	35	0.00	5	0.17	9	0.09
Kd of Th-228 in Unsaturated Zone 3	36	0.00	36	0.00	35	0.01	35	0.00
Kd of Th-230 in Unsaturated Zone 3	14	-0.06	16	-0.03	17	-0.11	22	-0.03
Kd of Th-232 in Unsaturated Zone 3	12	-0.08	14	-0.05	10	-0.12	18	-0.04
Thickness of contaminated zone	2	0.52	1	0.62	2	0.77	1	0.81
Thickness of Unsaturated zone 1	16	0.05	17	0.03	28	-0.05	28	-0.01
Thickness of Unsaturated zone 2	26	-0.02	29	-0.01	31	-0.02	31	-0.01
Thickness of Unsaturated zone 3	28	-0.01	31	-0.01	25	-0.07	26	-0.02
Hydraulic Conductivity of Unsaturated zone 1	17	-0.05	18	-0.03	36	-0.01	36	0.00
Hydraulic Conductivity of Unsaturated zone 2	10	-0.09	13	-0.05	33	0.01	33	0.00
Hydraulic Conductivity of Unsaturated zone 3	19	-0.03	21	-0.02	34	0.01	34	0.00
Saturated zone hydraulic conductivity	24	-0.02	26	-0.01	32	0.02	32	0.01
Evapotranspiration coefficient	22	0.03	23	0.02	24	0.07	25	0.02
Wind Speed	7	0.18	8	0.10	11	0.12	19	0.04
Runoff coefficient	13	-0.07	15	-0.04	20	0.10	23	0.03
Inhalation rate	23	-0.03	24	-0.02	27	0.06	27	0.02
Mass loading for inhalation	20	0.03	22	0.02	30	0.04	30	0.01
Outdoor time fraction	27	-0.02	30	-0.01	13	0.11	20	0.03
Soil ingestion	29	-0.01	32	-0.01	29	0.05	29	0.01
Aquatic food	5	-0.21	6	-0.12	9	-0.13	17	-0.04
Plant food	18	0.04	20	0.02	22	0.09	24	0.03
Meat	1	0.58	2	0.39	1	0.79	2	0.39
Depth of soil mixing layer	4	-0.35	4	-0.21	4	-0.50	6	-0.17
Depth of roots	3	-0.49	3	-0.31	3	-0.73	3	-0.32
Area of contaminated zone	30	-0.01	27	-0.01	23	0.08	15	0.05
R-SQUARE		0.72		0.72		0.91		0.91

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

Coefficients for peak Th-232 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	17	-0.05	7	-0.12	36	0.00	34	0.00
Kd of Th-230 in Unsaturated Zone 1	18	-0.05	19	-0.03	21	0.04	14	0.02
Kd of Th-230 in Unsaturated Zone 2	12	0.08	13	0.05	22	0.04	16	0.02
Kd of Th-230 in Saturated Zone	35	0.00	35	0.00	20	-0.04	15	-0.02
Kd of Th-228 in Contaminated Zone	15	0.06	5	0.22	33	0.00	29	0.01
Kd of Th-228 in Unsaturated Zone 1	22	0.04	21	0.02	26	0.02	26	0.01
Kd of Th-228 in Unsaturated Zone 2	30	-0.01	30	-0.01	13	-0.06	11	-0.03
Kd of Th-228 in Saturated Zone	27	-0.02	27	-0.01	25	0.03	7	0.04
Kd of Th-230 in Contaminated Zone	11	-0.08	6	-0.18	30	-0.01	24	-0.01
Kd of Th-230 in Unsaturated Zone 1	26	0.02	26	0.01	18	-0.05	13	-0.02
Kd of Th-230 in Unsaturated Zone 2	33	0.01	33	0.01	27	0.02	28	0.01
Kd of Th-230 in Saturated Zone	29	-0.01	29	-0.01	10	-0.08	8	-0.04
Kd of Th-228 in Unsaturated Zone 3	31	-0.01	31	-0.01	24	0.03	27	0.01
Kd of Th-230 in Unsaturated Zone 3	25	0.02	25	0.01	11	0.06	17	0.02
Kd of Th-232 in Unsaturated Zone 3	34	-0.01	34	0.00	23	0.04	25	0.01
Thickness of contaminated zone	1	0.55	1	0.69	3	0.71	1	0.71
Thickness of Unsaturated zone 1	16	-0.06	18	-0.04	17	-0.05	22	-0.01
Thickness of Unsaturated zone 2	24	-0.03	24	-0.02	16	0.05	21	0.02
Thickness of Unsaturated zone 3	14	-0.07	16	-0.04	15	0.05	20	0.02
Hydraulic Conductivity of Unsaturated zone 1	21	0.04	22	0.02	28	-0.02	30	0.00
Hydraulic Conductivity of Unsaturated zone 2	36	0.00	36	0.00	35	0.00	36	0.00
Hydraulic Conductivity of Unsaturated zone 3	7	-0.10	9	-0.06	29	-0.02	31	0.00
Saturated zone hydraulic conductivity	32	0.01	32	0.01	34	0.00	35	0.00
Evapotranspiration coefficient	9	0.09	12	0.05	9	0.09	12	0.03
Wind Speed	8	0.10	11	0.06	31	0.01	32	0.00
Runoff coefficient	19	0.05	20	0.03	19	0.04	23	0.01
Inhalation rate	28	0.01	28	0.01	32	-0.01	33	0.00
Mass loading for inhalation	6	-0.11	10	-0.06	14	0.06	19	0.02
Outdoor time fraction	23	0.04	23	0.02	5	-0.17	6	-0.05
Soil ingestion	10	-0.08	15	-0.05	6	-0.09	9	-0.03
Aquatic food	5	0.15	8	0.08	7	-0.09	10	-0.03
Plant food	13	0.07	17	0.04	12	0.06	18	0.02
Meat	2	0.53	2	0.35	1	0.80	2	0.41
Depth of soil mixing layer	4	-0.37	4	-0.23	4	-0.50	4	-0.18
Depth of roots	3	-0.43	3	-0.27	2	-0.74	3	-0.34
Area of contaminated zone	20	0.05	14	0.05	8	-0.09	5	-0.07
R-SQUARE		0.70		0.70		0.90		0.90

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

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