sen14 177
2
Sensitivity/Uncertainty Module for FRAMES
Beta Test version
56 15

ThickSrc	Thickness of waste zone from src2 (cm)
Length	Length of waste zone from src2 (cm)
Width	Width of waste zone from src2 (cm)
rhob	Bulk density of soil from src2 (g/cm^3)
MoistSrc	Moisture content from src2 (fraction)
porosity	Total porosity from src2 (fraction)
U238Inv	Inventory quantity, URANIUM-238 from src2 (Ci)
AmInv	Inventory quantity, AMERICIUM-241 from src2 (Ci)
CsInv	Inventory quantity, CESIUM-137+D from src2 (Ci)
CoInv	Inventory quantity, COBALT-60 from src2 (Ci)
Pu238Inv	Inventory quantity, PLUTONIUM-238 from src2 (Ci)
Pu239Inv	Inventory quantity, PLUTONIUM-239 from src2 (Ci)
Ra226Inv	Inventory quantity, RADIUM-226 from src2 (Ci)
SrInv	Inventory quantity, STRONTIUM-90 from src2 (Ci)
ThInv	Inventory quantity, THORIUM-232 from src2 (Ci)
H3Inv	Inventory quantity, TRITIUM (tritiated water) from src2 (Ci)
U238Kd1	Equilibrium coefficients (kd), URANIUM-238, time # 1 from sr (ml/g)
U238Kd2	Equilibrium coefficients (kd), URANIUM-238, time # 2 from src2 (ml/g)
U234Kd1	Equilibrium coefficients (kd), URANIUM-234, time # 1 from src2 (ml/g)
U234Kd2	Equilibrium coefficients (kd), URANIUM-234, time # 1 from src2 (ml/g)
U234Kd3	Equilibrium coefficients (kd), URANIUM-234, time # 2 from src2 (ml/g)
U234Kd4	Equilibrium coefficients (kd), URANIUM-234, time # 2 from src2 (ml/g)
Ra226Kd1	Equilibrium coefficients (kd), RADIUM-226, time # 1 from src (ml/g)
Ra226Kd	Equilibrium coefficients (kd), RADIUM-226, time # 1 from src (ml/g)
Ra226Kd2	Equilibrium coefficients (kd), RADIUM-226, time # 2 from src2 (ml/g)
Ra226Kd3	Equilibrium coefficients (kd), RADIUM-226, time # 2 from src2 (ml/g)
AmKd1	Equilibrium coefficients (kd), AMERICIUM-241, time # 1 from (ml/g)
AmKd2	Equilibrium coefficients (kd), AMERICIUM-241, time # 2 from src2 (ml/g)
CsKd1	Equilibrium coefficients (kd), CESIUM-137+D, time # 1 from s (ml/g)
CsKd2	Equilibrium coefficients (kd), CESIUM-137+D, time # 2 from src2 (ml/g)
CoKd1	Equilibrium coefficients (kd), COBALT-60, time # 1 from src2 (ml/g)
CoKd2	Equilibrium coefficients (kd), COBALT-60, time # 2 from src2 (ml/g)
Pu238Kd1	Equilibrium coefficients (kd), PLUTONIUM-238, time # 1 from (ml/g)
Pu238Kd2	Equilibrium coefficients (kd), PLUTONIUM-238, time # 2 from src2 (ml/g)
Pu239Kd1	Equilibrium coefficients (kd), PLUTONIUM-239, time # 1 from (ml/g)
Pu239Kd2	Equilibrium coefficients (kd), PLUTONIUM-239, time # 2 from src2 (ml/g)
SrKd1	Equilibrium coefficients (kd), STRONTIUM-90, time # 1 from s (ml/g)
SrKd2	Equilibrium coefficients (kd), STRONTIUM-90, time # 2 from src2 (ml/g)
ThKd1	Equilibrium coefficients (kd), THORIUM-232, time # 1 from sr (ml/g)
ThKd2	Equilibrium coefficients (kd), THORIUM-232, time # 2 from src2 (ml/g)
Darcy1	Darcy Vadose rate, time # 1 from src2 (cm/yr)
Darcy2	Darcy Vadose rate, time # 2 from src2 (cm/yr)
porVad	Soil total porosity from vad3 (percent)
KsatVad	Soil hydraulic conductivity from vad3 (cm/day)
rhobVad	Soil bulk density from vad3 (g/cm^3)
AmKdVad	Soil equilibrium coefficient, AMERICIUM-241 from vad3 (ml/g)
CsKdVad	Soil equilibrium coefficient, CESIUM-137+D from vad3 (ml/g)

CoKdVad	Soil equilibrium coefficient, COBALT-60 from vad3 (ml/g)	
Pu238KdVa	Soil equilibrium coefficient, PLUTONIUM-238 from vad3 (ml/g)	
U234VadKd	Soil equilibrium coefficient, URANIUM-234 from vad3 (ml/g)	
Pu239KdVa	Soil equilibrium coefficient, PLUTONIUM-239 from vad3 (ml/g)	
RaKdVad	Soil equilibrium coefficient, RADIUM-226 from vad3 (ml/g)	
U234KdVad	Soil equilibrium coefficient, LEAD-210 from vad3 (ml/g)	
SrKdVad	Soil equilibrium coefficient, STRONTIUM-90 from vad3 (ml/g)	
ThKdVad	Soil equilibrium coefficient, THORIUM-232 from vad3 (ml/g)	
U238KdVad	Soil equilibrium coefficient, TRITIUM (tritiated water) from vad3 (ml/g)	
waterflow.all.Vadose	vad3 water flux peak (m^3/yr)	yr
Am241Flux.all.Vadose	vad3 total constituent flux peak for AM241 (pCi/yr)	yr
C137Flux.all.Vadose	vad3 total constituent flux peak for CS137 (pCi/yr)	yr
Co60Flux.all.Vadose	vad3 total constituent flux peak for CO60 (pCi/yr)	yr
Pu238Flux.all.Vadose	vad3 total constituent flux peak for PU238 (pCi/yr)	yr
U234Flux.all.Vadose	vad3 total constituent flux peak for U234 prodgeny of PU238 (pCi/yr)	yr
Pu239Flux.all.Vadose	vad3 total constituent flux peak for PU239 (pCi/yr)	yr
Ra226Flux.all.Vadose	vad3 total constituent flux peak for RA226 (pCi/yr)	yr

Rn222Flux.all.Vadose	vad3 total constituent flux peak for RN222 prodgeny of RA226 (pCi/yr)	yr
Sr90Flux.all.Vadose	vad3 total constituent flux peak for SR90 (pCi/yr)	yr
Th232Flux.all.Vadose	vad3 total constituent flux peak for TH232 (pCi/yr)	yr
H3Flux.all.Vadose	vad3 total constituent flux peak for THO (pCi/yr)	yr
U238Flux.all.Vadose	vad3 total constituent flux peak for U238 (pCi/yr)	yr
U234Flux2.all.Vadose	vad3 total constituent flux peak for U234 prodgeny of U238 (pCi/yr)	yr
Rn222Flx2.all.Vadose	vad3 total constituent flux peak for RN222 prodgeny of U238 (pCi/yr)	yr

realizations	ThickSrc	Length	Width	rhob	MoistSrc	porosity	U238Inv	U238Kd1	Darcy1
1	6.78E+02	1.22E+04	8.85E+03	1.78E+00	1.03E-01	3.80E-01	1.73E+01	4.63E-01	8.10E-02
2	4.09E+02	1.04E+04	7.97E+03	1.58E+00	1.16E-01	4.08E-01	1.02E+01	1.28E+01	8.66E-02
3	7.27E+02	1.18E+04	6.79E+03	1.72E+00	8.37E-02	3.49E-01	1.75E+01	1.03E+00	8.78E-02
4	4.83E+02	7.16E+03	8.46E+03	1.84E+00	8.68E-02	4.31E-01	1.25E+01	1.93E+00	1.03E-01
5	3.49E+02	1.29E+04	4.43E+03	1.84E+00	8.75E-02	3.67E-01	1.35E+01	8.32E+00	9.40E-02
6	5.81E+02	1.11E+04	8.90E+03	1.51E+00	7.35E-02	4.25E-01	1.41E+01	9.25E-01	5.26E-02
7	7.05E+02	8.27E+03	8.77E+03	1.48E+00	7.93E-02	3.24E-01	9.62E+00	7.93E+00	6.50E-02
8	5.93E+02	1.07E+04	4.31E+03	1.63E+00	1.66E-01	4.29E-01	1.27E+01	7.91E-01	9.11E-02
9	3.17E+02	8.74E+03	8.38E+03	1.52E+00	6.48E-02	3.47E-01	1.64E+01	2.65E+00	5.67E-02
10	3.13E+02	1.10E+04	5.90E+03	1.72E+00	7.43E-02	3.62E-01	1.58E+01	7.66E+00	6.27E-02
11	4.69E+02	1.02E+04	5.97E+03	1.71E+00	1.24E-01	4.21E-01	1.51E+01	3.10E+00	6.56E-02
12	3.70E+02	1.12E+04	3.76E+03	1.64E+00	9.77E-02	3.54E-01	1.71E+01	2.54E+00	7.67E-02
13	6.65E+02	4.45E+03	7.81E+03	1.50E+00	1.11E-01	4.22E-01	1.60E+01	1.46E+01	8.26E-02
14	4.79E+02	9.04E+03	4.14E+03	1.67E+00	9.28E-02	3.65E-01	1.05E+01	1.27E+00	7.57E-02
15	6.62E+02	1.08E+04	4.93E+03	1.63E+00	5.84E-02	3.22E-01	1.49E+01	4.38E-01	5.29E-02
16	4.65E+02	4.32E+03	7.28E+03	1.76E+00	9.71E-02	3.06E-01	1.44E+01	1.30E+00	8.93E-02
17	4.94E+02	7.80E+03	4.80E+03	1.75E+00	1.05E-01	3.03E-01	1.18E+01	4.77E+00	7.25E-02
18	4.26E+02	9.65E+03	3.39E+03	1.78E+00	1.07E-01	3.28E-01	1.47E+01	1.51E+00	6.86E-02
19	3.94E+02	6.77E+03	6.37E+03	1.70E+00	8.99E-02	3.73E-01	1.15E+01	9.98E-01	4.82E-02
20	6.49E+02	4.95E+03	4.70E+03	1.73E+00	8.42E-02	4.13E-01	1.37E+01	2.10E+00	8.03E-02
21	4.51E+02	7.36E+03	4.87E+03	1.79E+00	7.62E-02	3.83E-01	1.26E+01	1.32E+01	5.01E-02
22	3.62E+02	9.24E+03	1.87E+03	1.71E+00	1.28E-01	4.27E-01	9.77E+00	6.35E+00	9.25E-02
23	4.38E+02	4.58E+03	7.65E+03	1.56E+00	6.56E-02	3.96E-01	1.85E+01	3.29E+00	4.52E-02
24	6.84E+02	3.95E+03	5.30E+03	1.49E+00	7.77E-02	3.57E-01	1.59E+01	9.69E-01	7.03E-02
25	3.87E+02	1.68E+03	8.22E+03	1.83E+00	1.17E-01	3.76E-01	1.50E+01	1.14E+00	9.81E-02
26	7.21E+02	5.90E+03	2.11E+03	1.48E+00	6.27E-02	4.17E-01	1.04E+01	2.94E+00	7.85E-02
27	5.15E+02	9.00E+03	1.94E+03	1.82E+00	5.76E-02	3.85E-01	1.28E+01	4.34E+00	5.45E-02
28	7.60E+02	2.31E+03	6.48E+03	1.73E+00	1.01E-01	4.12E-01	1.61E+01	1.54E+00	5.96E-02
29	6.09E+02	2.85E+03	2.82E+03	1.73E+00	1.02E-01	4.40E-01	1.14E+01	1.60E+00	8.45E-02
30	4.02E+02	6.25E+03	2.32E+03	1.66E+00	7.02E-02	4.38E-01	1.68E+01	4.62E+00	4.67E-02
31	4.97E+02	6.92E+03	1.02E+03	1.76E+00	1.14E-01	3.42E-01	1.81E+01	7.04E-01	7.43E-02
32	8.22E+02	1.42E+03	5.07E+03	1.61E+00	1.09E-01	3.39E-01	1.72E+01	2.37E+00	6.71E-02
33	5.29E+02	2.67E+03	3.06E+03	1.50E+00	9.15E-02	3.22E-01	1.79E+01	3.65E+00	5.88E-02
34	3.66E+02	1.10E+03	3.42E+03	1.79E+00	6.04E-02	4.00E-01	1.75E+01	6.18E+00	6.11E-02
35	7.70E+02	2.14E+03	1.62E+03	1.55E+00	6.70E-02	3.20E-01	1.56E+01	8.96E+00	4.27E-02
36	7.17E+02	2.37E+03	5.91E+02	1.75E+00	5.37E-02	3.16E-01	9.90E+00	1.40E+01	3.77E-02
37	7.96E+02	6.44E+03	7.61E+02	1.71E+00	6.95E-02	4.34E-01	1.23E+01	6.74E+00	3.94E-02
38	3.27E+02	6.63E+03	1.16E+03	1.59E+00	8.10E-02	3.15E-01	1.80E+01	5.08E+00	4.12E-02
39	5.51E+02	4.18E+03	7.83E+03	1.69E+00	5.53E-02	4.08E-01	1.16E+01	5.39E-01	4.44E-02
40	7.74E+02	7.56E+03	5.13E+03	1.69E+00	1.20E-01	4.30E-01	9.75E+00	8.60E+00	1.04E-01
41	6.23E+02	1.24E+03	6.07E+03	1.67E+00	1.30E-01	3.93E-01	1.45E+01	2.04E+00	9.61E-02
42	8.15E+02	1.26E+04	6.97E+03	1.57E+00	1.37E-01	3.31E-01	1.65E+01	2.62E+00	9.78E-02
43	7.99E+02	7.92E+03	8.68E+03	1.63E+00	1.52E-01	4.15E-01	1.52E+01	4.06E+00	1.12E-01
44	6.89E+02	1.16E+04	2.34E+03	1.60E+00	1.68E-01	3.75E-01	1.22E+01	5.95E-01	1.00E-01
45	5.05E+02	4.83E+03	5.20E+03	1.58E+00	1.32E-01	3.89E-01	1.00E+01	2.13E+00	1.08E-01
46	3.54E+02	9.35E+03	5.46E+03	1.62E+00	1.22E-01	4.02E-01	1.55E+01	4.07E-01	1.07E-01
47	5.44E+02	3.67E+03	6.64E+03	1.83E+00	1.48E-01	3.63E-01	1.31E+01	1.39E+01	1.35E-01
48	5.96E+02	3.21E+03	5.54E+03	1.81E+00	1.40E-01	3.49E-01	1.63E+01	4.55E-01	1.16E-01
49	7.46E+02	1.28E+04	3.71E+03	1.70E+00	1.75E-01	4.14E-01	9.52E+00	1.77E+00	1.24E-01
50	5.11E+02	7.34E+03	7.16E+02	1.57E+00	1.18E-01	4.36E-01	1.37E+01	2.26E+00	1.02E-01
51	4.72E+02	8.78E+03	6.69E+03	1.75E+00	1.50E-01	3.09E-01	1.08E+01	5.88E+00	1.36E-01

realizations	ThickSrc	Length	Width	rhob	MoistSrc	porosity	U238Inv	U238Kd1	Darcy1
52	8.11E+02	1.19E+04	8.57E+03	1.74E+00	1.87E-01	3.78E-01	1.41E+01	1.20E+01	1.45E-01
53	8.07E+02	1.14E+04	3.49E+03	1.79E+00	1.54E-01	4.10E-01	1.79E+01	5.05E+00	1.40E-01
54	6.17E+02	5.51E+03	9.01E+02	1.81E+00	1.27E-01	3.11E-01	1.24E+01	4.09E+00	1.30E-01
55	5.40E+02	1.14E+04	1.77E+03	1.77E+00	1.77E-01	3.82E-01	1.34E+01	6.28E-01	1.27E-01
56	7.91E+02	5.21E+03	2.64E+03	1.70E+00	1.61E-01	3.60E-01	1.83E+01	6.42E-01	1.20E-01
57	4.57E+02	8.11E+03	9.11E+03	1.65E+00	1.90E-01	4.37E-01	1.05E+01	5.60E+00	1.41E-01
58	7.40E+02	2.50E+03	4.26E+02	1.68E+00	1.46E-01	3.43E-01	1.01E+01	1.40E+00	1.10E-01
59	7.79E+02	9.62E+03	6.21E+03	1.62E+00	1.83E-01	3.72E-01	1.85E+01	1.08E+01	1.80E-01
60	6.46E+02	5.74E+03	7.04E+03	1.52E+00	2.14E-01	3.53E-01	1.39E+01	1.13E+01	1.91E-01
61	4.29E+02	8.09E+03	5.82E+03	1.80E+00	2.11E-01	3.12E-01	1.38E+01	9.81E+00	1.65E-01
62	5.86E+02	5.33E+03	6.27E+03	1.61E+00	1.93E-01	3.68E-01	1.12E+01	1.03E+01	1.49E-01
63	4.15E+02	5.29E+02	4.51E+03	1.67E+00	1.80E-01	4.33E-01	1.33E+01	3.74E+00	1.18E-01
64	7.13E+02	9.79E+03	7.40E+03	1.82E+00	2.09E-01	4.42E-01	1.28E+01	3.19E+00	1.64E-01
65	4.88E+02	1.01E+04	5.38E+03	1.53E+00	2.21E-01	3.94E-01	1.76E+01	9.58E+00	1.74E-01
66	3.81E+02	8.45E+03	1.99E+03	1.47E+00	1.42E-01	3.58E-01	1.19E+01	1.20E+00	1.12E-01
67	3.40E+02	3.39E+03	7.52E+03	1.54E+00	1.68E-01	3.87E-01	1.63E+01	7.11E+00	1.28E-01
68	5.25E+02	3.29E+03	5.02E+02	1.74E+00	1.56E-01	3.16E-01	1.67E+01	2.84E+00	1.20E-01
69	6.32E+02	1.05E+04	8.09E+03	1.56E+00	1.99E-01	3.07E-01	1.09E+01	5.67E-01	1.33E-01
70	5.55E+02	1.24E+04	1.51E+03	1.50E+00	2.23E-01	3.90E-01	1.46E+01	1.11E+01	1.77E-01
71	5.66E+02	1.30E+04	2.93E+03	1.59E+00	2.13E-01	4.03E-01	1.73E+01	5.39E+00	1.90E-01
72	3.41E+02	9.99E+03	6.51E+03	1.61E+00	1.88E-01	3.98E-01	1.18E+01	1.46E+00	1.82E-01
73	7.85E+02	1.02E+03	5.73E+03	1.83E+00	1.44E-01	4.25E-01	1.59E+01	3.47E+00	1.45E-01
74	3.08E+02	7.01E+03	2.97E+03	1.64E+00	2.16E-01	3.44E-01	1.77E+01	1.21E+01	1.88E-01
75	6.77E+02	9.45E+03	1.20E+03	1.54E+00	2.03E-01	3.34E-01	1.42E+01	9.25E+00	1.85E-01
76	6.53E+02	6.49E+03	7.24E+03	1.68E+00	1.58E-01	3.05E-01	1.30E+01	1.17E+00	1.54E-01
77	6.68E+02	3.57E+03	2.60E+03	1.80E+00	1.76E-01	3.84E-01	1.84E+01	7.29E+00	1.53E-01
78	4.45E+02	1.20E+04	1.36E+03	1.84E+00	2.00E-01	3.55E-01	9.41E+00	8.91E-01	1.52E-01
79	6.28E+02	3.06E+03	2.21E+03	1.49E+00	1.63E-01	4.18E-01	1.11E+01	4.22E-01	1.14E-01
80	6.15E+02	1.25E+04	1.63E+03	1.49E+00	9.56E-02	3.91E-01	1.34E+01	3.80E+00	1.32E-01
81	4.19E+02	8.56E+03	4.09E+03	1.85E+00	1.95E-01	3.35E-01	1.40E+01	1.74E+00	1.61E-01
82	3.34E+02	4.07E+03	7.18E+03	1.48E+00	1.72E-01	3.18E-01	1.03E+01	2.35E+00	1.50E-01
83	6.37E+02	1.21E+04	4.62E+03	1.57E+00	1.34E-01	3.64E-01	1.54E+01	6.79E-01	1.69E-01
84	3.77E+02	2.97E+03	3.30E+03	1.55E+00	1.31E-01	3.46E-01	1.21E+01	8.81E-01	1.22E-01
85	6.04E+02	1.78E+03	5.61E+03	1.59E+00	1.13E-01	3.97E-01	1.47E+01	7.37E-01	1.25E-01
86	5.38E+02	3.83E+03	9.03E+03	1.77E+00	2.17E-01	3.33E-01	1.82E+01	1.37E+00	1.85E-01
87	7.62E+02	6.03E+03	3.58E+03	1.65E+00	2.06E-01	3.71E-01	1.20E+01	8.27E-01	1.67E-01
88	5.61E+02	5.64E+03	9.38E+02	1.54E+00	2.06E-01	3.28E-01	1.07E+01	6.95E+00	1.71E-01
89	5.22E+02	6.47E+02	7.59E+03	1.81E+00	2.03E-01	4.20E-01	1.10E+01	5.84E+00	1.78E-01
90	4.46E+02	7.64E+03	3.88E+03	1.56E+00	2.20E-01	3.25E-01	1.69E+01	6.00E-01	1.82E-01
91	7.54E+02	1.91E+03	4.23E+03	1.51E+00	1.64E-01	3.30E-01	1.70E+01	4.51E+00	1.43E-01
92	6.95E+02	5.05E+03	3.94E+03	1.64E+00	1.91E-01	3.78E-01	1.32E+01	7.65E-01	1.58E-01
93	7.34E+02	1.08E+04	1.41E+03	1.77E+00	1.38E-01	4.05E-01	1.17E+01	5.03E-01	1.75E-01
94	7.44E+02	8.24E+02	8.26E+03	1.60E+00	1.56E-01	3.37E-01	9.38E+00	1.67E+00	1.57E-01
95	5.75E+02	6.18E+03	2.46E+03	1.65E+00	1.81E-01	3.51E-01	1.57E+01	8.20E-01	1.62E-01
96	4.04E+02	1.47E+03	3.17E+03	1.68E+00	1.47E-01	3.38E-01	1.07E+01	5.23E-01	1.38E-01
97	3.21E+02	2.04E+03	6.85E+03	1.52E+00	1.96E-01	4.44E-01	1.48E+01	4.81E-01	1.73E-01
98	7.00E+02	7.70E+02	8.08E+03	1.66E+00	1.85E-01	3.08E-01	1.13E+01	1.08E+00	1.47E-01
99	5.74E+02	4.72E+03	3.59E+02	1.53E+00	1.72E-01	4.42E-01	1.66E+01	1.88E+00	1.60E-01
100	3.89E+02	3.94E+02	2.72E+03	1.76E+00	2.24E-01	4.05E-01	1.53E+01	2.79E+00	1.92E-01
Max Value:	**8.22E+02**	**1.30E+04**	**9.11E+03**	**1.85E+00**	**2.24E-01**	**4.44E-01**	**1.85E+01**	**1.46E+01**	**1.92E-01**
Median Value:	**5.64E+02**	**6.70E+03**	**4.75E+03**	**1.66E+00**	**1.39E-01**	**3.74E-01**	**1.39E+01**	**2.45E+00**	**1.15E-01**

realizations	KsatVad	**Rn-222 Aquifer Concentration (pCi/L)**	**CDF**	EPA Limit for Alpha Particles (pCi/L)	CDF	Propopsed Limit for Radon-222 (pCi/L)
1	1.66E+00	7.92162E-27	0.009901	1.50E+01	0.00E+00	3.00E+02
2	1.24E+02	9.66603E-27	0.019802	1.50E+01	1.00E+00	3.00E+02
3	1.06E+01	9.87524E-27	0.029703			
4	5.48E+00	1.10771E-26	0.039604			
5	1.57E+01	1.29295E-26	0.049505			
6	4.38E+00	1.33475E-26	0.059406			
7	3.71E+01	1.47092E-26	0.069307			
8	8.43E+01	1.65364E-26	0.079208			
9	8.56E+00	1.67279E-26	0.089109			
10	1.40E+00	1.7011E-26	0.09901			
11	2.23E+00	1.73255E-26	0.108911			
12	3.28E+00	2.14718E-26	0.118812			
13	1.46E+01	2.41735E-26	0.128713			
14	1.03E+01	2.45066E-26	0.138614			
15	1.89E+01	2.45935E-26	0.148515			
16	2.96E+00	2.4646E-26	0.158416			
17	5.65E+00	2.54883E-26	0.168317			
18	2.57E+00	3.08788E-26	0.178218			
19	7.74E+01	3.33592E-26	0.188119			
20	2.07E+00	3.71074E-26	0.19802			
21	3.89E+01	3.86588E-26	0.207921			
22	1.27E+01	4.34276E-26	0.217822			
23	7.92E-01	4.37012E-26	0.227723			
24	5.09E+01	4.69877E-26	0.237624			
25	6.98E+00	5.11082E-26	0.247525			
26	3.56E+00	7.09429E-26	0.257426			
27	3.00E+01	7.29886E-26	0.267327			
28	1.61E+02	7.78207E-26	0.277228			
29	2.71E+00	1.02277E-25	0.287129			
30	7.60E+00	1.02307E-25	0.29703			
31	2.93E+01	1.32506E-25	0.306931			
32	2.39E+01	1.43352E-25	0.316832			
33	8.51E-01	1.44337E-25	0.326733			
34	9.82E+00	3.02195E-25	0.336634			
35	6.61E+00	4.67974E-25	0.346535			
36	3.17E+01	2.45066E-21	0.356436			
37	2.26E+01	4.75704E-20	0.366337			
38	2.15E+01	3.10683E-19	0.376238			
39	2.77E+01	4.90161E-19	0.386139			
40	4.02E+01	1.66803E-07	0.39604			
41	8.83E+00	3.38546E-07	0.405941			
42	1.78E+00	3.76394E-07	0.415842			
43	6.27E+01	2.55119E-06	0.425743			
44	1.12E+00	2.67094E-06	0.435644			
45	1.49E+00	7.64295E-06	0.445545			
46	2.53E+01	7.8685E-06	0.455446			
47	1.21E+00	8.22039E-06	0.465347			
48	4.36E+01	9.30062E-06	0.475248			
49	4.19E+00	1.10214E-05	0.485149			
50	7.18E-01	1.64053E-05	0.49505			
51	9.27E+01	1.79098E-05	0.50495			

realizations	KsatVad	**Rn-222 Aquifer Concentration (pCi/L)**	**CDF**	EPA Limit for Alpha Particles (pCi/L)	CDF	Propopsed Limit for Radon-222 (pCi/L)
52	1.73E+01	1.99511E-05	0.514851			
53	5.78E+01	3.25185E-05	0.524752			
54	9.15E+00	5.44745E-05	0.534653			
55	9.81E+01	5.50993E-05	0.544554			
56	1.20E+01	6.68008E-05	0.554455			
57	5.54E-01	6.90828E-05	0.564356			
58	4.98E-01	7.17213E-05	0.574257			
59	3.91E+00	9.58377E-05	0.584158			
60	2.60E+01	0.000119431	0.594059			
61	3.82E+00	0.000124866	0.60396			
62	1.68E+01	0.000124944	0.613861			
63	1.13E+01	0.000127654	0.623762			
64	1.52E+01	0.000132881	0.633663			
65	2.29E+01	0.00014533	0.643564			
66	3.59E+01	0.00015764	0.653465			
67	2.86E+00	0.000160192	0.663366			
68	1.39E+02	0.000171351	0.673267			
69	5.24E+00	0.000200394	0.683168			
70	6.22E+00	0.000257789	0.693069			
71	1.33E+01	0.00026272	0.70297			
72	6.88E+01	0.000309871	0.712871			
73	1.01E+00	0.000322911	0.722772			
74	4.86E+01	0.000339669	0.732673			
75	1.65E+00	0.000398655	0.742574			
76	1.23E+01	0.000425029	0.752475			
77	1.86E+01	0.000427367	0.762376			
78	9.29E+00	0.000439226	0.772277			
79	3.19E+00	0.000467657	0.782178			
80	5.04E+00	0.000489759	0.792079			
81	8.10E+00	0.000523411	0.80198			
82	1.99E+01	0.000535091	0.811881			
83	5.31E+01	0.000544589	0.821782			
84	4.71E+00	0.000553059	0.831683			
85	2.05E+01	0.000583714	0.841584			
86	4.66E+00	0.000720227	0.851485			
87	2.41E+00	0.000916053	0.861386			
88	5.83E+00	0.000919425	0.871287			
89	7.08E+00	0.001071164	0.881188			
90	3.41E+00	0.001160894	0.891089			
91	3.32E+01	0.001172664	0.90099			
92	1.10E+02	0.001202275	0.910891			
93	2.02E+00	0.001492185	0.920792			
94	1.11E+01	0.001599926	0.930693			
95	6.57E+01	0.001919474	0.940594			
96	6.28E+00	0.002113009	0.950495			
97	4.59E+01	0.002401311	0.960396			
98	1.65E+01	0.002741739	0.970297			
99	1.41E+01	0.012186868	0.980198			
100	7.66E+00	0.014183375	0.990099			
Max Value:	**1.61E+02**	**0.014183375**				
Median Value:	**1.05E+01**	**1.71576E-05**				