

Sr<sup>90</sup> in soil samples collected at Rongelap Island, Rongelap Atoll,  
March 1958.

404895

Sample No.	Depth Increment	d/m/g(1) (2) Dry Total $\beta$ (5)	d/m/g(1) (2) Dry Sr <sup>90</sup>	Strontium Units	mg/g(3) (4) Dry Calcium
1 a	0" - 1"	1760 $\pm$ 72	295 $\pm$ 13	500	270 $\pm$ 3
1 b	1" - 2"	32 $\pm$ 6	11 $\pm$ 2	15	340 $\pm$ 0
1 c	2" - 3"	32 $\pm$ 17	not detected	0	353 $\pm$ 6
1 d	3" - 4"	not detected	not detected	0	350 $\pm$ 3
1 e	4" - 5"	not detected	not detected	0	368 $\pm$ 1
1 f	5" - 6"	not detected	not detected	0	360 $\pm$ 0
1 g	6" - 7"	not detected	not detected	0	323 $\pm$ 3
1 h	7" - 8"	not detected	not detected	0	323 $\pm$ 0
1 i	8" - 9"	not detected	not detected	0	365 $\pm$ 2

3 grams dried soil were used for each sample

(1) Errors given for d/m values are calculated from counting error.

(2) Limit of detectability estimated to be approximately 6 d/m/g/

(3) Errors given for calcium values are half the difference between duplicate results.

(4) Calcium values are for total calcium in soil.

(5) Correction factors based on K<sup>40</sup>

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