

404880

Strontium-90 and Total Calcium in Tacca collected at Rongelap Atoll

| | | | Sr ⁹⁰ (1) d/m/g dried | Sr ⁹⁰ (1) μmc/g wet | Ca mg/g dried | Strontium units |
|--------------------|-----|----------|--|--------------------------------------|--------------------------|-------------------------|
| <u>March, 1959</u> | | | | | | |
| corms (centers) | #1 | Rongelap | 2.0±0.3 | 0.20±0.03 | 0.24 | 3600 |
| | #2 | | 2.2±0.4 | 0.22±0.04 | 0.42 | 2400 |
| | #3 | | 1.1±0.3 | 0.11±0.03 | 0.30 | 1700 |
| | #4 | | 1.1±0.3 | 0.10±0.03 | 0.24 | 2000 |
| | #5 | | 1.5±0.4 | 0.15±0.04 | 0.35 | 2000 |
| | Av. | | 1.6±0.4 ⁽²⁾ | 0.16±0.105 ⁽²⁾ | 0.31±0.07 ⁽²⁾ | 2400±700 ⁽²⁾ |
| <u>August 1958</u> | | | | | | |
| corms | 1 | Rongelap | 51±4 | 3.6 ±0.3 | 6.4 | 3600 |
| | 7 | Kabelle | 109±7 | 5.9 ±0.4 | 15.7 | 3200 |
| | 10 | Eniaetok | 75±6 | 3.3 ±0.3 | 16.6 | 2100 |
| | 11 | Eniaetok | 74±3 | 4.3 ±0.1 | 10.4 | 3200 |
| peels | 1 | Rongelap | 113±12 | 8.4 ±0.9 | 8.9 | 5800 |
| | 7 | Kabelle | 184±24 | 12.3 ±1.6 | 11.3 | 7400 |
| | 10 | Eniaetok | 38±6 | 3.8 ±0.2 | 16.7 | 2400 |
| | 11 | Eniaetok | 63±4 | 8.0 ±0.5 | 11.2 | 2600 |
| centers | 1 | Rongelap | 19±2 | 1.3 ±0.2 | 1.4 | 6000 |
| | 7 | Kabelle | (3) | (3) | 7.1 | (3) |
| | 10 | Eniaetok | 64±4 | 2.1 ±0.1 | 12.5 | 2300 |
| | 11 | Eniaetok | 45±3 | 1.9 ±0.1 | 9.3 | 2200 |
| leaves | 1 | Rongelap | 79±6 | 4.7 ±0.3 | 4.8 | 7600 |
| | 7 | Kabelle | 90±5 | 7.1 ±0.4 | 10.1 | 8600 |
| | 10 | Eniaetok | 60±4 | 4.3 ±0.3 | 8.3 | 2900 |
| | 11 | Eniaetok | 60±4 | 4.2 ±0.2 | 9.7 | 2800 |

(1) Errors given are obtained from counting error.

(2) Standard deviation

(3) Sr⁹⁰ determination not yet done; result will be available later.

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