**TABLE 1|** Luminescence dating results of this study.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample ID | Depth  (cm) | Grain Size  (μm) | K  (%) | Th  (ug/g) | U  (ug/g) | Water  Content (%) | Dose rate  (Gy/ka) | Number of  aliquots | De  (Gy) | Age  (ka) | Age  model |
| CQ1-A | 145 | 90~125 | 2.83±0.04 | 16.22±0.7 | 2.722±0.4 | 20±5 | 3.91±0.29 | 73 | 8.23±0.27 | 2.1±0.2 | MAM-3 |
| CQ1-B | 221 | 90~125 | 2.86±0.04 | 15.27±0.7 | 2.21±0.4 | 20±5 | 3.74±0.26 | 68 | 7.51±0.52 | 2.0±0.2 | MAM-3 |
| CQ1-91 | 375 | 38~63 | 2.90±0.04 | 15.12±0.7 | 2.82±0.4 | 45±5 | 2.76±0.20 | 84 | 8.50±0.50 | 3.1±0.3 | MAM-3 |
| CQ2-26 | 445 | 38~63 | 2.93±0.04 | 17.92±0.7 | 3.19±0.4 | 50±5 | 2.65±.019 | 71 | 11.1±1.04 | 4.2±0.5 | MAM-3 |
| CQ2-60 | 552 | 4~11 | 2.55±0.04 | 15.66±0.7 | 6.14±0.5 | 60±5 | 2.35±0.15 | 65 | 12.09±0.41 | 5.1±0.4 | MAM-3 |