附表1 上奥陶统碎屑岩主量元素数据

Table 1 Major element abundances in representative clasts of Upper Ordovician

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample | 地层 | Al2O3 | SiO2 | CaO | K2O | TFe2O3 | MgO | MnO | Na2O | P2O5 | TiO2 | LOI |
| 20XYZ-27 | O3c | 13.37 | 57.00 | 4.31 | 2.83 | 7.42 | 3.07 | 0.14 | 1.17 | 0.16 | 0.61 | 10.39 |
| 20XYZ-28 | O3c | 14.90 | 61.85 | 2.14 | 3.52 | 5.61 | 2.52 | 0.13 | 0.95 | 0.18 | 0.68 | 8.02 |
| 20XYZ-29 | O3c | 12.51 | 52.71 | 6.59 | 2.74 | 6.98 | 3.97 | 0.17 | 1.21 | 0.13 | 0.54 | 12.83 |
| 20XYZ-30 | O3c | 13.75 | 60.06 | 2.91 | 3.05 | 6.55 | 2.80 | 0.15 | 1.23 | 0.17 | 0.65 | 8.88 |
| 20HLX-19 | O3c | 11.51 | 77.67 | 0.02 | 2.12 | 3.96 | 0.64 | 0.04 | 0.10 | 0.15 | 0.62 | 3.54 |
| 20HLX-20 | O3c | 16.67 | 67.64 | 0.07 | 3.70 | 4.93 | 0.95 | 0.04 | 0.12 | 0.18 | 0.86 | 4.92 |
| 20HLX-21 | O3c | 11.04 | 80.16 | 0.03 | 2.15 | 2.18 | 0.54 | 0.04 | 0.02 | 0.10 | 0.59 | 3.06 |
| 20HG-23 | O3w | 13.08 | 72.04 | 0.62 | 2.72 | 5.23 | 2.04 | 0.10 | 1.60 | 0.17 | 0.71 | 2.01 |
| 20HG-24 | O3w | 16.03 | 68.51 | 0.06 | 3.81 | 3.59 | 1.64 | 0.06 | 0.41 | 0.07 | 0.65 | 4.64 |
| 20HG-25 | O3w | 16.30 | 64.29 | 0.38 | 3.88 | 7.03 | 2.57 | 0.11 | 1.24 | 0.21 | 0.79 | 3.01 |

附表2 浙西北地区上奥陶统碎屑岩微量元素数据

Table 2 Trace element abundances in representative clasts of Upper Ordovician

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 地层 | O3C | | | | | | | | | | | | | | O3W | | | | | | | | |
| Sample | | 20XYZ-27 | | 20XYZ-28 | | 20XYZ-29 | | 20XYZ-30 | | 20HLX-19 | | 20HLX-20 | | 20HLX-21 | | |  | | 20HG-23 | | 20HG-24 | | 20HG-25 | |
| Li | 61.348 | | 67.906 | | 46.305 | | 60.699 | | 45.299 | | 20.507 | | 18.478 | | |  | | 29.772 | | 18.396 | | 59.824 | | |
| Be | 2.002 | | 2.008 | | 2.358 | | 2.117 | | 1.580 | | 2.314 | | 1.401 | | |  | | 1.712 | | 1.845 | | 2.016 | | |
| Sc | 11.467 | | 12.584 | | 11.339 | | 12.567 | | 9.643 | | 12.899 | | 9.254 | | |  | | 10.804 | | 14.013 | | 16.483 | | |
| Ti | 4278.456 | | 4856.492 | | 3936.548 | | 4823.121 | | 4400.388 | | 5991.189 | | 4054.181 | | |  | | 4786.289 | | 4578.134 | | 5663.678 | | |
| V | 90.881 | | 106.423 | | 84.895 | | 101.524 | | 79.069 | | 114.482 | | 78.861 | | |  | | 84.954 | | 685.377 | | 128.275 | | |
| Cr | 56.629 | | 60.163 | | 51.062 | | 91.558 | | 52.704 | | 74.480 | | 49.966 | | |  | | 57.865 | | 78.664 | | 75.513 | | |
| Mn | 974.795 | | 845.065 | | 1313.586 | | 1128.919 | | 135.663 | | 91.004 | | 94.880 | | |  | | 656.092 | | 286.325 | | 698.098 | | |
| Co | 29.674 | | 13.791 | | 28.734 | | 19.333 | | 4.609 | | 3.556 | | 2.424 | | |  | | 12.552 | | 3.773 | | 12.105 | | |
| Ni | 44.557 | | 35.848 | | 42.291 | | 43.268 | | 20.196 | | 19.033 | | 8.359 | | |  | | 33.637 | | 35.889 | | 33.063 | | |
| Cu | 46.289 | | 23.017 | | 66.842 | | 62.274 | | 20.668 | | 32.424 | | 16.607 | | |  | | 23.582 | | 34.560 | | 80.556 | | |
| Zn | 176.865 | | 59.724 | | 210.955 | | 194.201 | | 54.226 | | 62.824 | | 28.058 | | |  | | 80.048 | | 266.041 | | 93.754 | | |
| Ga | 15.975 | | 18.166 | | 15.017 | | 17.251 | | 13.246 | | 18.189 | | 12.774 | | |  | | 15.511 | | 18.644 | | 18.699 | | |
| As | 14.119 | | 3.825 | | 12.040 | | 4.691 | | 5.842 | | 5.055 | | 8.495 | | |  | | 2.026 | | 11.102 | | 2.245 | | |
| Rb | 109.354 | | 134.639 | | 104.488 | | 122.217 | | 81.526 | | 140.277 | | 83.423 | | |  | | 104.457 | | 155.683 | | 146.469 | | |
| Sr | 86.506 | | 67.160 | | 130.013 | | 82.920 | | 25.055 | | 20.594 | | 30.619 | | |  | | 92.321 | | 33.858 | | 58.109 | | |
| Y | 19.144 | | 20.988 | | 18.223 | | 19.390 | | 18.733 | | 25.869 | | 18.282 | | |  | | 20.508 | | 25.915 | | 28.647 | | |
| Zr | 155.328 | | 144.354 | | 168.918 | | 164.865 | | 176.959 | | 227.170 | | 167.951 | | |  | | 186.024 | | 155.520 | | 197.050 | | |
| Nb | 10.701 | | 12.240 | | 9.849 | | 11.813 | | 10.295 | | 14.649 | | 9.691 | | |  | | 11.866 | | 12.447 | | 13.999 | | |
| Mo | 1.105 | | 0.874 | | 1.140 | | 2.683 | | 0.641 | | 0.973 | | 0.668 | | |  | | 0.866 | | 16.000 | | 1.098 | | |
| Cd | 0.188 | | 0.118 | | 0.256 | | 0.226 | | 0.126 | | 0.177 | | 0.102 | | |  | | 0.143 | | 0.469 | | 0.148 | | |
| In | 0.051 | | 0.050 | | 0.052 | | 0.055 | | 0.030 | | 0.052 | | 0.028 | | |  | | 0.039 | | 0.055 | | 0.060 | | |
| Sb | 0.630 | | 0.467 | | 0.620 | | 0.517 | | 0.692 | | 0.919 | | 1.082 | | |  | | 0.413 | | 1.505 | | 0.383 | | |
| Cs | 6.124 | | 6.755 | | 6.509 | | 6.707 | | 4.041 | | 6.765 | | 4.557 | | |  | | 6.401 | | 11.291 | | 7.335 | | |
| Ba | 273.130 | | 327.741 | | 284.985 | | 306.008 | | 357.542 | | 606.480 | | 344.299 | | |  | | 380.498 | | 1559.127 | | 545.430 | | |
| La | 29.607 | | 39.952 | | 31.162 | | 33.671 | | 31.017 | | 37.918 | | 31.391 | | |  | | 31.707 | | 37.008 | | 39.258 | | |
| Ce | 62.848 | | 85.104 | | 65.233 | | 73.068 | | 62.760 | | 77.949 | | 62.680 | | |  | | 68.895 | | 74.414 | | 86.701 | | |
| Pr | 6.949 | | 9.109 | | 7.086 | | 7.918 | | 7.044 | | 8.476 | | 7.255 | | |  | | 7.411 | | 8.462 | | 9.465 | | |
| Nd | 27.316 | | 31.003 | | 27.458 | | 27.930 | | 26.794 | | 28.198 | | 27.467 | | |  | | 27.413 | | 29.101 | | 32.824 | | |
| Sm | 4.960 | | 5.665 | | 4.723 | | 5.433 | | 4.372 | | 4.806 | | 4.353 | | |  | | 4.967 | | 5.477 | | 6.275 | | |
| Eu | 1.035 | | 1.192 | | 1.030 | | 1.131 | | 1.018 | | 1.236 | | 0.981 | | |  | | 1.150 | | 1.546 | | 1.391 | | |
| Gd | 4.689 | | 5.697 | | 4.513 | | 5.017 | | 4.393 | | 5.010 | | 4.337 | | |  | | 4.893 | | 5.298 | | 6.796 | | |
| Tb | 0.729 | | 0.819 | | 0.690 | | 0.756 | | 0.665 | | 0.795 | | 0.641 | | |  | | 0.738 | | 0.778 | | 0.944 | | |
| Dy | 3.784 | | 4.168 | | 3.558 | | 3.931 | | 3.590 | | 4.748 | | 3.357 | | |  | | 3.868 | | 4.181 | | 5.528 | | |
| Ho | 0.779 | | 0.840 | | 0.731 | | 0.797 | | 0.756 | | 0.943 | | 0.707 | | |  | | 0.804 | | 0.858 | | 1.022 | | |
| Er | 2.302 | | 2.457 | | 2.162 | | 2.369 | | 2.219 | | 2.837 | | 2.104 | | |  | | 2.386 | | 2.590 | | 2.962 | | |
| Tm | 0.306 | | 0.318 | | 0.288 | | 0.315 | | 0.292 | | 0.403 | | 0.277 | | |  | | 0.319 | | 0.364 | | 0.403 | | |
| Yb | 2.201 | | 2.338 | | 2.111 | | 2.280 | | 2.118 | | 2.817 | | 2.033 | | |  | | 2.331 | | 2.518 | | 2.789 | | |
| Lu | 0.309 | | 0.313 | | 0.290 | | 0.318 | | 0.286 | | 0.396 | | 0.277 | | |  | | 0.312 | | 0.368 | | 0.398 | | |
| Hf | 3.508 | | 3.264 | | 3.699 | | 3.669 | | 3.842 | | 5.383 | | 3.598 | | |  | | 4.238 | | 3.411 | | 4.517 | | |
| Ta | 0.705 | | 0.762 | | 0.644 | | 0.731 | | 0.616 | | 0.894 | | 0.581 | | |  | | 0.689 | | 0.801 | | 0.833 | | |
| W | 1.265 | | 1.381 | | 1.198 | | 1.331 | | 1.950 | | 2.112 | | 1.484 | | |  | | 1.181 | | 1.482 | | 1.450 | | |
| Re | 0.011 | | 0.010 | | 0.009 | | 0.009 | | 0.007 | | 0.009 | | 0.007 | | |  | | 0.009 | | 0.009 | | 0.009 | | |
| Tl | 0.417 | | 0.489 | | 0.409 | | 0.471 | | 0.322 | | 0.511 | | 0.326 | | |  | | 0.391 | | 1.968 | | 0.530 | | |
| Pb | 38.626 | | 12.491 | | 62.233 | | 25.837 | | 9.877 | | 13.682 | | 8.988 | | |  | | 18.742 | | 18.715 | | 17.673 | | |
| Bi | 1.002 | | 0.279 | | 1.145 | | 0.513 | | 0.115 | | 0.283 | | 0.119 | | |  | | 0.185 | | 0.386 | | 0.425 | | |
| Th | 8.620 | | 9.865 | | 8.500 | | 9.231 | | 6.450 | | 9.475 | | 6.138 | | |  | | 7.294 | | 10.525 | | 9.418 | | |
| U | 2.367 | | 2.571 | | 2.230 | | 2.400 | | 1.770 | | 2.339 | | 1.697 | | |  | | 1.911 | | 6.429 | | 2.318 | | |

附表3 浙西北地区长坞组碎屑锆石U-Pb年龄分析结果

Table 3 U-Pb data of detrital zircons from the Changwu Formationof NW Zhejiang

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 样品和点号 | 元素比值 | 同位素比值 | | | | | | 年龄 | | | | | | 谐和度 |
| Th/U | 207Pb/206Pb | 1σ | 207Pb/235U | 1σ | 206Pb/238U | 1σ | 207Pb/206Pb | 1σ | 207Pb/235U | 1σ | 206Pb/238U | 1σ |
| 样品19JD71-2 | O3c |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19JD71-2-1 | 2.90 | 0.0848 | 0.0012 | 2.6137 | 0.1153 | 0.2238 | 0.0108 | 1322 | 28 | 1304 | 32 | 1302 | 57 | 99% |
| 19JD71-2-2 | 2.22 | 0.0670 | 0.0010 | 1.2828 | 0.0335 | 0.1388 | 0.0040 | 839 | 36 | 838 | 15 | 838 | 23 | 99% |
| 19JD71-2-3 | 2.16 | 0.0748 | 0.0019 | 1.5554 | 0.0978 | 0.1564 | 0.0124 | 1063 | 55 | 953 | 39 | 937 | 69 | 98% |
| 19JD71-2-4 | 2.66 | 0.0749 | 0.0015 | 1.6212 | 0.0539 | 0.1572 | 0.0051 | 1065 | 36 | 978 | 21 | 941 | 28 | 96% |
| 19JD71-2-5 | 2.06 | 0.0704 | 0.0011 | 1.4856 | 0.0772 | 0.1521 | 0.0076 | 943 | 31 | 925 | 32 | 913 | 43 | 98% |
| 19JD71-2-6 | 2.95 | 0.0813 | 0.0055 | 2.3893 | 0.2725 | 0.2107 | 0.0182 | 1228 | 127 | 1239 | 82 | 1233 | 97 | 99% |
| 19JD71-2-7 | 2.21 | 0.0713 | 0.0014 | 1.2918 | 0.0317 | 0.1311 | 0.0031 | 965 | 40 | 842 | 14 | 794 | 18 | 94% |
| 19JD71-2-8 | 2.68 | 0.0791 | 0.0017 | 1.8409 | 0.0517 | 0.1697 | 0.0054 | 1174 | 43 | 1060 | 18 | 1011 | 30 | 95% |
| 19JD71-2-9 | 1.40 | 0.0651 | 0.0134 | 0.6557 | 0.1360 | 0.0798 | 0.0081 | 789 | 444 | 512 | 84 | 495 | 48 | 96% |
| 19JD71-2-10 | 2.14 | 0.0720 | 0.0015 | 1.5191 | 0.0952 | 0.1550 | 0.0098 | 987 | 43 | 938 | 38 | 929 | 55 | 99% |
| 19JD71-2-11 | 2.10 | 0.0750 | 0.0025 | 1.5492 | 0.1395 | 0.1551 | 0.0137 | 1133 | 61 | 950 | 56 | 929 | 77 | 97% |
| 19JD71-2-12 | 2.03 | 0.0683 | 0.0016 | 1.3253 | 0.0621 | 0.1428 | 0.0076 | 880 | 49 | 857 | 27 | 860 | 43 | 99% |
| 19JD71-2-13 | 5.85 | 0.1103 | 0.0013 | 4.8940 | 0.2128 | 0.3202 | 0.0141 | 1806 | 22 | 1801 | 37 | 1791 | 69 | 99% |
| 19JD71-2-14 | 2.14 | 0.0691 | 0.0014 | 1.2382 | 0.0334 | 0.1302 | 0.0036 | 902 | 42 | 818 | 15 | 789 | 21 | 96% |
| 19JD71-2-15 | 1.07 | 0.0598 | 0.0012 | 0.7103 | 0.0367 | 0.0850 | 0.0043 | 598 | 46 | 545 | 22 | 526 | 26 | 96% |
| 19JD71-2-16 | 2.20 | 0.0836 | 0.0036 | 1.9456 | 0.1323 | 0.1797 | 0.0101 | 1283 | 83 | 1097 | 46 | 1065 | 55 | 97% |
| 19JD71-2-17 | 3.95 | 0.0963 | 0.0017 | 3.4580 | 0.1182 | 0.2672 | 0.0114 | 1554 | 33 | 1518 | 27 | 1526 | 58 | 99% |
| 19JD71-2-18 | 3.34 | 0.0813 | 0.0020 | 2.3134 | 0.1066 | 0.2086 | 0.0096 | 1229 | 47 | 1216 | 33 | 1221 | 51 | 99% |
| 19JD71-2-19 | 2.05 | 0.0687 | 0.0014 | 1.2197 | 0.0320 | 0.1284 | 0.0025 | 900 | 42 | 810 | 15 | 779 | 14 | 96% |
| 19JD71-2-21 | 2.78 | 0.0778 | 0.0018 | 1.9435 | 0.0921 | 0.1834 | 0.0089 | 1143 | 46 | 1096 | 32 | 1086 | 49 | 99% |
| 19JD71-2-22 | 2.16 | 0.0730 | 0.0020 | 1.4320 | 0.0894 | 0.1457 | 0.0102 | 1013 | 83 | 902 | 37 | 877 | 57 | 97% |
| 19JD71-2-23 | 1.96 | 0.0642 | 0.0012 | 1.0416 | 0.0241 | 0.1183 | 0.0027 | 750 | 40 | 725 | 12 | 721 | 15 | 99% |
| 19JD71-2-24 | 0.70 | 0.0604 | 0.0009 | 0.6133 | 0.0145 | 0.0737 | 0.0016 | 617 | 33 | 486 | 9 | 458 | 9 | 94% |
| 19JD71-2-26 | 2.13 | 0.0707 | 0.0014 | 1.5224 | 0.0898 | 0.1571 | 0.0089 | 950 | 41 | 939 | 36 | 941 | 50 | 99% |
| 19JD71-2-28 | 2.72 | 0.0706 | 0.0011 | 1.3240 | 0.0457 | 0.1357 | 0.0041 | 946 | 33 | 856 | 20 | 820 | 23 | 95% |
| 19JD71-2-29 | 2.01 | 0.0664 | 0.0012 | 1.1756 | 0.0429 | 0.1286 | 0.0041 | 820 | 37 | 789 | 20 | 780 | 23 | 98% |
| 19JD71-2-30 | 1.83 | 0.0762 | 0.0015 | 1.5786 | 0.0572 | 0.1504 | 0.0048 | 1100 | 39 | 962 | 23 | 903 | 27 | 93% |
| 19JD71-2-31 | 2.01 | 0.0690 | 0.0016 | 1.2817 | 0.0612 | 0.1350 | 0.0053 | 898 | 47 | 838 | 27 | 816 | 30 | 97% |
| 19JD71-2-33 | 2.70 | 0.0829 | 0.0052 | 2.1749 | 0.1564 | 0.1969 | 0.0069 | 1266 | 123 | 1173 | 50 | 1159 | 37 | 98% |
| 19JD71-2-34 | 2.02 | 0.0664 | 0.0075 | 1.2828 | 0.1134 | 0.1349 | 0.0087 | 820 | 237 | 838 | 50 | 816 | 49 | 97% |
| 19JD71-2-35 | 2.30 | 0.0758 | 0.0027 | 1.7605 | 0.1090 | 0.1670 | 0.0071 | 1100 | 75 | 1031 | 40 | 996 | 39 | 96% |
| 19JD71-2-36 | 2.87 | 0.0799 | 0.0013 | 1.9263 | 0.0660 | 0.1749 | 0.0060 | 1194 | 33 | 1090 | 23 | 1039 | 33 | 95% |
| 19JD71-2-37 | 2.11 | 0.0691 | 0.0013 | 1.2599 | 0.0460 | 0.1332 | 0.0050 | 902 | 40 | 828 | 21 | 806 | 28 | 97% |
| 19JD71-2-38 | 2.72 | 0.0864 | 0.0017 | 2.5121 | 0.1106 | 0.2118 | 0.0093 | 1346 | 37 | 1276 | 32 | 1238 | 49 | 97% |
| 19JD71-2-39 | 2.19 | 0.0737 | 0.0016 | 1.3924 | 0.0605 | 0.1423 | 0.0070 | 1031 | 44 | 886 | 26 | 857 | 40 | 96% |
| 19JD71-2-40 | 2.15 | 0.0780 | 0.0046 | 1.8102 | 0.2374 | 0.1693 | 0.0173 | 1146 | 112 | 1049 | 86 | 1008 | 95 | 96% |
| 19JD71-2-41 | 2.11 | 0.0666 | 0.0010 | 1.2117 | 0.0317 | 0.1322 | 0.0040 | 828 | 31 | 806 | 15 | 800 | 23 | 99% |
| 19JD71-2-42 | 2.88 | 0.0825 | 0.0013 | 2.2652 | 0.0791 | 0.1996 | 0.0072 | 1257 | 30 | 1202 | 25 | 1173 | 38 | 97% |
| 19JD71-2-43 | 0.85 | 0.0609 | 0.0015 | 0.6348 | 0.0189 | 0.0751 | 0.0020 | 635 | 52 | 499 | 12 | 467 | 12 | 93% |
| 19JD71-2-44 | 2.22 | 0.0728 | 0.0022 | 1.3663 | 0.0813 | 0.1355 | 0.0070 | 1007 | 60 | 875 | 35 | 819 | 40 | 93% |
| 19JD71-2-45 | 1.90 | 0.0781 | 0.0076 | 1.1401 | 0.0823 | 0.1276 | 0.0124 | 1150 | 194 | 773 | 39 | 774 | 71 | 99% |
| 19JD71-2-47 | 2.32 | 0.0699 | 0.0014 | 1.3350 | 0.0461 | 0.1367 | 0.0039 | 928 | 39 | 861 | 20 | 826 | 22 | 95% |
| 19JD71-2-48 | 3.45 | 0.1174 | 0.0077 | 5.1860 | 0.3801 | 0.3171 | 0.0201 | 1917 | 118 | 1850 | 62 | 1776 | 99 | 95% |
| 19JD71-2-49 | 2.51 | 0.0882 | 0.0120 | 1.5753 | 0.2456 | 0.1523 | 0.0144 | 1387 | 263 | 961 | 97 | 914 | 80 | 95% |
| 19JD71-2-50 | 2.24 | 0.0736 | 0.0033 | 1.4038 | 0.0698 | 0.1406 | 0.0072 | 1031 | 91 | 891 | 29 | 848 | 41 | 95% |
| 19JD71-2-51 | 2.16 | 0.0698 | 0.0025 | 1.2144 | 0.0565 | 0.1284 | 0.0059 | 920 | 68 | 807 | 26 | 779 | 34 | 96% |
| 19JD71-2-53 | 1.52 | 0.0607 | 0.0015 | 0.7725 | 0.0224 | 0.0924 | 0.0025 | 628 | 52 | 581 | 13 | 570 | 15 | 98% |
| 19JD71-2-54 | 3.50 | 0.1139 | 0.0016 | 5.2240 | 0.1926 | 0.3305 | 0.0120 | 1862 | 25 | 1857 | 31 | 1841 | 58 | 99% |
| 19JD71-2-55 | 4.00 | 0.1498 | 0.0027 | 8.8970 | 0.4133 | 0.4339 | 0.0217 | 2344 | 31 | 2323 | 97 | 2327 | 42 | 99% |
| 19JD71-2-56 | 2.29 | 0.0669 | 0.0123 | 1.2600 | 0.1391 | 0.1420 | 0.0044 | 835 | 391 | 828 | 63 | 856 | 25 | 96% |
| 19JD71-2-59 | 2.50 | 0.0710 | 0.0016 | 1.4872 | 0.0344 | 0.1514 | 0.0040 | 967 | 44 | 925 | 14 | 909 | 22 | 98% |
| 19JD71-2-60 | 1.98 | 0.0680 | 0.0013 | 1.0654 | 0.0257 | 0.1128 | 0.0028 | 878 | 41 | 736 | 13 | 689 | 16 | 93% |
| 19JD71-2-61 | 2.11 | 0.0693 | 0.0013 | 1.2296 | 0.0264 | 0.1277 | 0.0028 | 906 | 34 | 814 | 12 | 775 | 16 | 95% |
| 19JD71-2-62 | 0.56 | 0.0605 | 0.0013 | 0.6181 | 0.0156 | 0.0738 | 0.0013 | 620 | 81 | 489 | 10 | 459 | 8 | 93% |
| 19JD71-2-63 | 2.02 | 0.0696 | 0.0013 | 1.1975 | 0.0256 | 0.1234 | 0.0024 | 917 | 37 | 799 | 12 | 750 | 14 | 93% |
| 19JD71-2-65 | 2.80 | 0.0783 | 0.0012 | 1.8719 | 0.0500 | 0.1720 | 0.0049 | 1154 | 30 | 1071 | 18 | 1023 | 27 | 95% |
| 19JD71-2-66 | 2.72 | 0.0734 | 0.0011 | 1.5806 | 0.0296 | 0.1548 | 0.0032 | 1033 | 30 | 963 | 12 | 928 | 18 | 96% |
| 19JD71-2-67 | 4.40 | 0.0976 | 0.0034 | 3.3202 | 0.1935 | 0.2479 | 0.0128 | 1589 | 60 | 1486 | 45 | 1427 | 66 | 95% |
| 19JD71-2-68 | 2.25 | 0.0726 | 0.0014 | 1.2632 | 0.0336 | 0.1249 | 0.0028 | 1011 | 38 | 829 | 15 | 758 | 16 | 91% |
| 19JD71-2-69 | 3.41 | 0.0823 | 0.0068 | 2.5192 | 0.4214 | 0.2218 | 0.0207 | 1254 | 163 | 1278 | 122 | 1291 | 109 | 98% |
| 19JD71-2-70 | 4.41 | 0.0913 | 0.0017 | 3.2190 | 0.0978 | 0.2527 | 0.0069 | 1454 | 41 | 1462 | 24 | 1452 | 36 | 99% |
| 19JD71-2-71 | 0.49 | 0.0611 | 0.0078 | 0.6209 | 0.0824 | 0.0777 | 0.0070 | 643 | 276 | 490 | 52 | 482 | 42 | 98% |
| 19JD71-2-72 | 0.98 | 0.0615 | 0.0014 | 0.6087 | 0.0230 | 0.0716 | 0.0024 | 657 | 48 | 483 | 14 | 446 | 14 | 92% |
| 19JD71-2-73 | 7.27 | 0.1979 | 0.0031 | 12.6491 | 0.4431 | 0.4605 | 0.0169 | 2810 | 26 | 2442 | 75 | 2654 | 33 | 91% |
| 19JD71-2-74 | 3.38 | 0.0784 | 0.0063 | 1.6610 | 0.1358 | 0.1588 | 0.0063 | 1167 | 161 | 994 | 52 | 950 | 35 | 95% |
| 19JD71-2-75 | 4.36 | 0.1047 | 0.0014 | 4.2622 | 0.1023 | 0.2934 | 0.0072 | 1709 | 58 | 1686 | 20 | 1658 | 36 | 98% |
| 19JD71-2-76 | 2.63 | 0.0714 | 0.0029 | 1.3466 | 0.0620 | 0.1385 | 0.0050 | 970 | 84 | 866 | 27 | 836 | 28 | 96% |
| 19JD71-2-77 | 2.82 | 0.0872 | 0.0072 | 2.3229 | 0.2078 | 0.1985 | 0.0128 | 1365 | 160 | 1219 | 63 | 1167 | 69 | 95% |
| 19JD71-2-78 | 0.81 | 0.0581 | 0.0010 | 0.5797 | 0.0204 | 0.0718 | 0.0019 | 532 | 36 | 464 | 13 | 447 | 12 | 96% |
| 19JD71-2-79 | 4.80 | 0.0898 | 0.0020 | 3.0372 | 0.1035 | 0.2447 | 0.0071 | 1421 | 37 | 1417 | 26 | 1411 | 37 | 99% |
| 19JD71-2-80 | 0.49 | 0.0611 | 0.0078 | 0.6209 | 0.0824 | 0.0777 | 0.0070 | 643 | 276 | 490 | 52 | 482 | 42 | 98% |