**Table A1. Fluid inclusion data of the five mineralization stages in the Wangu and Huangjindong gold deposits.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample # | Deposit | Host mineral | Occurrences | V % | Size (mm) | Th (v-l) (oC) | Th (l-v) (oC) | Tdecrepitated (oC) | Tm-ice (oC) | Salinity (wt. %) | Tm-CO2 (oC) | Th-CO2 (v-l) (oC) | Th-CO2 (l-v) (oC) | TCl (oC) |
| 15WG53-1 | Wangu | Q1 | Growth zone | 15 | 6 | 215 |  |  | -4.3 | 6.9 |  |  |  |  |
| 15 | 4 | 205 |  |  | -4.1 | 6.6 |  |  |  |  |
| 15 | 4 | 205 |  |  | -3.9 | 6.3 |  |  |  |  |
| Q1 | Growth zone | 10 | 3 | 235 |  |  | -4.3 | 6.9 |  |  |  |  |
| 10 | 5 | 233 |  |  | -4.4 | 7.0 |  |  |  |  |
| 10 | 3 | 231 |  |  | -4.5 | 7.2 |  |  |  |  |
| 10 | 6 |  |  |  | -4.3 | 6.9 |  |  |  |  |
| 10 | 6 |  |  |  | -4.4 | 7.0 |  |  |  |  |
| 10 | 5 | 235 |  |  |  |  |  |  |  |  |
| Q1 | Growth zone | 12 | 3 | 234 |  |  | -4.7 | 7.5 |  |  |  |  |
| 12 | 5 | 238 |  |  | -4.7 | 7.5 |  |  |  |  |
| 12 | 4 | 240 |  |  | -4.5 | 7.2 |  |  |  |  |
| Q1 | Growth zone | 15 | 4 | 241 |  |  | -3.7 | 6.0 |  |  |  |  |
| 15 | 4 | 240 |  |  | -4.5 | 7.2 |  |  |  |  |
| 15 | 3 | 237 |  |  | -4.5 | 7.2 |  |  |  |  |
| 15 | 4 | 239 |  |  | -4.7 | 7.5 |  |  |  |  |
| 15 | 6 | 243 |  |  | -4.9 | 7.7 |  |  |  |  |
| 15 | 3 | 239 |  |  |  |  |  |  |  |  |
| 15 | 4 | 241 |  |  | -3.9 | 6.3 |  |  |  |  |
| 15WG05-3 | Wangu | Q1 | Growth zone | 8 | 6 | 219 |  |  | -4.1 | 6.6 |  |  |  |  |
| 8 | 8 | 230 |  |  | -4.5 | 7.2 |  |  |  |  |
| 8 | 2 | 223 |  |  | -4.3 | 6.9 |  |  |  |  |
| 8 | 4 | 220 |  |  |  |  |  |  |  |  |
| Q1 | Growth zone | 15 | 3 | 202 |  |  |  |  |  |  |  |  |
| 15 | 4 | 226 |  |  | -4.5 | 7.2 |  |  |  |  |
| 15 | 3 | 208 |  |  |  |  |  |  |  |  |
| 15 | 3 | 213 |  |  | -4.5 | 7.2 |  |  |  |  |
| 15WG09-3-2 | Wangu | Q1 | Growth zone | 15 | 4 | 210 |  |  | -5.3 | 8.3 |  |  |  |  |
| 15 | 5 | 212 |  |  |  |  |  |  |  |  |
| 15 | 8 | 228 |  |  | -4.9 | 7.7 |  |  |  |  |
| 15 | 5 | 224 |  |  | -5.1 | 7.9 |  |  |  |  |
| 15YJW03-1 | Huangjindong | Q1 | Growth zone | 20 | 4 | 266 |  |  | -4.6 | 7.3 |  |  |  |  |
| 20 | 5 | 252 |  |  | -4.4 | 7.0 |  |  |  |  |
| 20 | 3 | 252 |  |  | -5.0 | 7.9 |  |  |  |  |
| 20 | 2 | 258 |  |  | -5.0 | 7.9 |  |  |  |  |
| 20 | 3 | 247 |  |  |  |  |  |  |  |  |
| 20 | 4 | 252 |  |  |  |  |  |  |  |  |
| 20 | 4 | 252 |  |  |  |  |  |  |  |  |
| 20 | 6 | 247 |  |  | -5.4 | 8.4 |  |  |  |  |
| 20 | 5 | 247 |  |  | -4.6 | 7.3 |  |  |  |  |
| 20 | 5 | 252 |  |  | -4.6 | 7.3 |  |  |  |  |
| 15YJW08-2 | Huangjindong | Q1 | Growth zone | 23 | 4 | 216 |  |  | -6.6 | 10.0 |  |  |  |  |
| 23 | 5 | 228 |  |  | -6.2 | 9.5 |  |  |  |  |
| 23 | 4 | 224 |  |  | -5.8 | 9.0 |  |  |  |  |
| 15WG09-1 | Wangu | Q1 | Growth zone | 45 | 6 | 330 |  |  |  | 6.1 | -58.6 | 30.2 |  | 6.6 |
| 50 | 10 | 298 |  |  |  | 5.4 | -57.8 | 27.9 |  | 7.0 |
| 30 | 6 | 276 |  |  |  | 5 | -57.2 | 27.0 |  | 7.2 |
| 30 |  | 232 |  |  | -5.6 | 8.7 |  |  |  |  |
| 30 | 3 | 276 |  |  |  | 5 |  |  |  | 7.2 |
| 30 | 5 | 238 |  |  | -6.2 | 9.5 |  |  |  |  |
| 30 | 7 | 226 |  |  | -5.9 | 9.1 |  |  |  |  |
| 55 | 3 |  |  | 320 |  | 4.8 |  |  |  | 7.4 |
| 30 | 3 | 285 |  |  |  | 5 |  |  |  | 7.2 |
| 30 | 4 | 284 |  |  |  | 4 |  |  |  | 7.8 |
| 30 | 4 | 302 |  |  |  | 4 | -56.8 | 28.2 |  | 7.8 |
| 80 | 4 |  |  | 308 |  | 5.4 | -57.2 | 27.6 |  | 7.0 |
| 70 | 4 |  |  | 305 |  | 5.3 | -57.4 | 27.5 |  | 7.1 |
| 35 | 4 | 307 |  |  |  | 4.8 | -56.9 | 28.0 |  | 7.4 |
| 50 | 4 | 332 |  |  |  | 5 |  |  |  | 7.2 |
| 35 | 4 | 308 |  |  |  | 5 |  |  |  | 7.2 |
| 35 | 4 | 296 |  |  |  | 4 |  |  |  | 7.8 |
| 85 | 4 |  | 282 |  |  | 5.8 |  |  |  | 6.8 |
| 80 | 4 |  | 294 |  |  | 5 |  |  |  | 7.2 |
| 15WG09-2 | Wangu | Q1 | Growth zone | 28 | 4 | 284 |  |  |  | 4.8 |  |  |  | 7.4 |
| 35 | 4 | 312 |  |  |  | 5.4 |  |  |  | 7.0 |
| 25 | 4 | 240 |  |  | -5.8 | 9 |  |  |  |  |
| 75 | 4 |  |  | 298 |  | 5.4 |  |  |  | 7.0 |
| 50 | 4 | 296 |  |  |  | 5.4 | -59.2 | 22.3 |  | 7.0 |
| 25 | 4 | 266 |  |  |  | 5.4 | -58.6 | 26.2 |  | 7.0 |
| 55 | 4 | 340 |  |  |  | 4 | -58.1 | 27.5 |  | 7.8 |
| 30 | 4 | 308 |  |  |  | 5.8 |  |  |  | 6.8 |
| 35 | 4 | 296 |  |  |  | 4.8 |  |  |  | 7.4 |
| 40 | 4 | 322 |  |  |  | 4.8 |  |  |  | 7.4 |
| 35 | 4 | 316 |  |  |  | 5.4 |  |  |  | 7.0 |
| 25 | 4 | 265 |  |  |  | 5.4 |  |  |  | 7.0 |
| 25 | 4 | 284 |  |  |  | 4.8 |  |  |  | 7.4 |
| 25 | 4 | 296 |  |  |  | 4.4 |  |  |  | 7.6 |
| 40 | 4 | 342 |  |  |  | 5 |  |  |  | 7.2 |
| 30 | 4 | 330 |  |  |  | 4.9 | -57.6 |  | 25.5 | 7.3 |
| 20 | 4 | 278 |  |  |  | 5.6 |  |  |  | 6.9 |
| 20 | 4 | 288 |  |  |  | 5 |  |  |  | 7.2 |
| 20 | 4 | 286 |  |  |  | 5 | -56.9 | 28.3 |  | 7.2 |
| 60 | 4 |  |  | 308 |  | 5.8 |  |  |  | 6.8 |
| 25 | 4 | 222 |  |  | -5.8 | 9 |  |  |  |  |
| 25 | 4 | 242 |  |  | -4 | 6.5 |  |  |  |  |
| 70 | 4 |  | 302 |  |  |  |  |  |  |  |
| 25 | 4 | 270 |  |  |  | 5.4 |  |  |  | 7.0 |
| 25 | 4 | 242 |  |  | -4 | 6.5 |  |  |  |  |
| 20 | 4 | 238 |  |  | -5.2 | 8.1 |  |  |  |  |
| 15WG53-1 | Wangu | Q1 | Growth zone, Inconsistent FIA | 20 | 5 | 247 |  |  |  |  |  |  |  |  |
| 20 | 5 | 243 |  |  |  |  |  |  |  |  |
| 20 | 6 | 247 |  |  |  |  |  |  |  |  |
| 20 | 8 | 233 |  |  |  |  |  |  |  |  |
| 20 | 3 | 257 |  |  |  |  |  |  |  |  |
| 20 | 3 | 247 |  |  |  |  |  |  |  |  |
| 20 | 3 | 249 |  |  |  |  |  |  |  |  |
| 20 | 3 | 241 |  |  |  |  |  |  |  |  |
| 20 | 4 | 200 |  |  |  |  |  |  |  |  |
| 20 | 4 | 188 |  |  |  |  |  |  |  |  |
| 20 | 6 | 210 |  |  |  |  |  |  |  |  |
| 15WG09-3 | Wangu | Q1 | Fracture | 15 | 5 | 175 |  |  | -5.0 | 7.9 |  |  |  |  |
| 15 | 6 | 172 |  |  | -4.9 | 7.7 |  |  |  |  |
| 15 | 5 | 160 |  |  | -4.9 | 7.7 |  |  |  |  |
| 15 | 4 | 180 |  |  | -5.1 | 7.9 |  |  |  |  |
| 15 | 4 | 173 |  |  |  |  |  |  |  |  |
| 15 | 4 | 176 |  |  |  |  |  |  |  |  |
| 15 | 5 | 182 |  |  |  |  |  |  |  |  |
| 15YJW08 | Huangjindong | Q1 | Fracture | 15 | 5 | 188 |  |  | -6.6 | 10.0 |  |  |  |  |
| 15 | 9 | 198 |  |  | -7.0 | 10.5 |  |  |  |  |
| 15 | 8 | 200 |  |  | -6.6 | 10.0 |  |  |  |  |
| 15 | 4 | 180 |  |  | -6.2 | 9.5 |  |  |  |  |
| 15 | 4 | 178 |  |  | -6.2 | 9.5 |  |  |  |  |
| 15 | 6 | 178 |  |  | -6.6 | 10.0 |  |  |  |  |
| 15 | 8 | 198 |  |  | -5.8 | 9.0 |  |  |  |  |
| 15 | 6 | 198 |  |  | -5.2 | 8.1 |  |  |  |  |
| YJW15-1-3 | Huangjindong | Sh | Cluster | 10 | 7 | 180 |  |  | -3.0 | 5.0 |  |  |  |  |
| 10 | 6 | 180 |  |  | -2.8 | 4.7 |  |  |  |  |
| 10 | 6 | 184 |  |  | -2.8 | 4.7 |  |  |  |  |
| YJW15-1-4 | Healed fracture, psudosecondary | 8 | 5 | 176 |  |  | -3.4 | 5.6 |  |  |  |  |
| 8 | 6 | 170 |  |  | -3.6 | 5.9 |  |  |  |  |
| 8 | 4 | 182 |  |  |  |  |  |  |  |  |
| 8 | 4 | 176 |  |  |  |  |  |  |  |  |
| YJW15-1-5 | Cluster | 10 | 7 | 171 |  |  | -4.2 | 6.7 |  |  |  |  |
| 10 | 4 | 179 |  |  | -3.8 | 6.2 |  |  |  |  |
| YJW15-2-1 | Isolated | 15 | 6 | 176 |  |  | -1.2 | 2.1 |  |  |  |  |
| YJW15-2-2 | Cluster | 5 | 10 | 192 |  |  | -1.1 | 1.9 |  |  |  |  |
| 5 | 2 | 204 |  |  |  |  |  |  |  |  |
| 5 | 3 | 192 |  |  |  |  |  |  |  |  |
| 17WG03-2 | Wangu | Cluster | 10 | 4 | 156 |  |  | -1.0 | 1.7 |  |  |  |  |
| 10 | 8 | 160 |  |  | -0.8 | 1.4 |  |  |  |  |
| 10 | 8 | 158 |  |  |  |  |  |  |  |  |
| 10 | 8 | 160 |  |  |  |  |  |  |  |  |
| 17WG04 | Cluster | 5 | 4 | 180 |  |  |  |  |  |  |  |  |
| 5 | 6 | 170 |  |  | -0.8 | 1.4 |  |  |  |  |
| 5 | 8 | 176 |  |  |  |  |  |  |  |  |
| 5 | 4 | 178 |  |  | -0.9 | 1.6 |  |  |  |  |
| 17WG08-1 | Isolated | 5 | 10 | 172 |  |  | -3.0 | 5.0 |  |  |  |  |
| 15WG02-1-1 | Cluster | 10 | 6 | 178 |  |  | -1.4 | 2.4 |  |  |  |  |
|  | 4 | 176 |  |  |  |  |  |  |  |  |
| 15WG02-1-2 | Isolated | 10 | 8 | 192 |  |  | -2.3 | 3.9 |  |  |  |  |
| YJW15-2 | Huangjindong | Isolated | 40 | 6 | 195 |  |  |  | 2.3 |  |  |  | 8.8 |
| Isolated | 40 | 6 | 180 |  |  |  | 2.6 | -57.0 | 29.5 |  | 8.6 |
| Isolated | 35 | 6 | 232 |  |  |  | 2.9 |  |  |  | 8.4 |
| Isolated | 30 | 5 | 211 |  |  |  | 2.6 |  |  |  | 8.6 |
| Isolated | 35 | 4 | 227 |  |  |  | 2.3 |  |  |  | 8.8 |
| Isolated | 30 | 5 | 209 |  |  |  | 2.0 |  |  |  | 9 |
| Isolated | 25 | 5 | 237 |  |  |  | 3.3 |  |  |  | 8.2 |
| Isolated | 20 | 8 | 204 |  |  |  | 2.9 |  |  |  | 8.4 |
| YJW15-1-1 | Fracture | 8 | 7 | 142 |  |  | -5.6 | 8.7 |  |  |  |  |
| 8 | 4 | 147 |  |  |  |  |  |  |  |  |
| 8 | 6 | 135 |  |  | -6.2 | 9.5 |  |  |  |  |
| 8 | 6 | 138 |  |  | -5.8 | 9.0 |  |  |  |  |
| 8 | 3 | 147 |  |  |  |  |  |  |  |  |
| 8 | 4 | 151 |  |  |  |  |  |  |  |  |
| 8 | 5 | 147 |  |  |  |  |  |  |  |  |
| 8 | 5 | 142 |  |  |  |  |  |  |  |  |
| 8 | 5 | 142 |  |  |  |  |  |  |  |  |
| 8 | 5 | 142 |  |  |  |  |  |  |  |  |
| 8 | 4 | 147 |  |  |  |  |  |  |  |  |
| 17WG03-1 | Wangu | Fracture | 5 | 7 | 146 |  |  | -5.2 | 8.1 |  |  |  |  |
| 5 | 8 | 146 |  |  | -4.8 | 7.6 |  |  |  |  |
| 5 | 4 | 150 |  |  |  |  |  |  |  |  |
| 5 | 9 | 136 |  |  |  |  |  |  |  |  |
| 5 | 5 | 140 |  |  |  |  |  |  |  |  |
| 5 | 5 | 146 |  |  |  |  |  |  |  |  |
| 15WG09-3 | Wangu | Q3 | Isolated | 15 | 4 | 188 |  |  | -8.4 | 12.2 |  |  |  |  |
| Isolated | 25 | 3 | 193 |  |  | -8.2 | 11.9 |  |  |  |  |
| Isolated | 20 | 5 | 222 |  |  | -8.0 | 11.7 |  |  |  |  |
| Isolated | 8 | 4 | 183 |  |  | -8.8 | 12.6 |  |  |  |  |
| Isolated | 15 | 6 | 193 |  |  | -9.7 | 13.6 |  |  |  |  |
| Isolated | 10 | 6 | 187 |  |  | -8.2 | 11.9 |  |  |  |  |
| 15WG53-2 | Isolated | 40 | 5 | 236 |  |  | -8.4 | 12.2 |  |  |  |  |
| Isolated | 13 | 9 | 169 |  |  | -9.4 | 13.3 |  |  |  |  |
| Isolated | 13 | 10 | 184 |  |  | -9.4 | 13.3 |  |  |  |  |
| Isolated | 10 | 9 | 196 |  |  | -8.2 | 11.9 |  |  |  |  |
| Isolated | 10 | 10 | 184 |  |  | -10.6 | 14.6 |  |  |  |  |
| Isolated | 10 | 11 | 188 |  |  | -10.9 | 14.9 |  |  |  |  |
| Isolated | 25 | 4 | 222 |  |  | -11.0 | 15.0 |  |  |  |  |
| Isolated | 20 | 5 | 228 |  |  | -8.2 | 11.9 |  |  |  |  |
| Isolated | 25 | 6 | 218 |  |  | -10.2 | 14.2 |  |  |  |  |
| Isolated | 25 | 4 | 205 |  |  | -9.0 | 12.9 |  |  |  |  |
| Isolated | 15 | 6 | 218 |  |  | -10.6 | 14.6 |  |  |  |  |
| Isolated | 20 | 6 | 228 |  |  | -11.2 | 15.2 |  |  |  |  |
| YJW07-1 | Huangjindong | Isolated | 13 | 4 | 193 |  |  | -7.5 | 11.1 |  |  |  |  |
| Isolated | 20 | 4 | 226 |  |  | -7.8 | 11.5 |  |  |  |  |
| Isolated | 20 | 4 | 252 |  |  | -7.8 | 11.5 |  |  |  |  |
| Isolated | 20 | 6 | 248 |  |  | -7.0 | 10.5 |  |  |  |  |
| Isolated | 15 | 5 | 208 |  |  | -7.4 | 11.0 |  |  |  |  |
| Isolated | 10 | 5 | 202 |  |  | -7.4 | 11.0 |  |  |  |  |
| Isolated | 20 | 5 | 242 |  |  | -9.0 | 12.9 |  |  |  |  |
| YJW07-2 | Isolated | 25 | 6 | 246 |  |  | -7.0 | 10.5 |  |  |  |  |
| Isolated | 20 | 4 | 200 |  |  | -5.6 | 8.7 |  |  |  |  |
| Isolated | 20 | 6 | 204 |  |  | -5.6 | 8.7 |  |  |  |  |
| Isolated | 25 | 10 | 256 |  |  | -6.8 | 10.2 |  |  |  |  |
| Isolated | 20 | 6 | 218 |  |  | -5.6 | 8.7 |  |  |  |  |
| Isolated | 20 | 6 | 226 |  |  | -8.4 | 12.2 |  |  |  |  |
| Isolated | 15 | 8 | 170 |  |  | -5.6 | 8.7 |  |  |  |  |
| Isolated | 20 | 4 | 240 |  |  | -7.2 | 10.7 |  |  |  |  |
| 15WG09-3-2 | Wangu | Fracture | 25 | 3 | 153 |  |  | -11.2 | 15.2 |  |  |  |  |
| 25 | 3 | 157 |  |  | -11.2 | 15.2 |  |  |  |  |
| Fracture | 15 | 6 | 185 |  |  | -6.5 | 9.9 |  |  |  |  |
| 10 | 8 | 202 |  |  | -6.3 | 9.6 |  |  |  |  |
| Fracture | 15 | 3 | 146 |  |  | -6.0 | 9.2 |  |  |  |  |
| 20 | 4 | 148 |  |  | -6.0 | 9.2 |  |  |  |  |
| 15WG09-1 | Fracture | 20 | 4 | 152 |  |  | -4.8 | 7.6 |  |  |  |  |
| 20 | 6 | 152 |  |  |  |  |  |  |  |  |
| 20 | 8 | 160 |  |  | -5.2 | 8.1 |  |  |  |  |
| 20 | 4 | 150 |  |  |  |  |  |  |  |  |
| 15WG53-4 | Fracture | 5 | 8 | 142 |  |  | -10.4 | 14.4 |  |  |  |  |
| 5 | 5 | 148 |  |  | -10.4 | 14.4 |  |  |  |  |
| 5 | 6 | 155 |  |  |  |  |  |  |  |  |
| 5 | 4 | 157 |  |  | -10.8 | 14.8 |  |  |  |  |
| 5 | 6 | 159 |  |  | -10.8 | 14.8 |  |  |  |  |
| YJW06-2 | Huangjindong | Fracture | 5 | 4 | 168 |  |  | -6.2 | 9.5 |  |  |  |  |
| 5 | 5 | 168 |  |  | -6.2 | 9.5 |  |  |  |  |
| YJW07-1-2 | Fracture | 20 | 6 | 135 |  |  | -8.2 | 11.9 |  |  |  |  |
| 20 | 5 | 145 |  |  | -8.2 | 11.9 |  |  |  |  |
| 20 | 4 | 147 |  |  | -8.2 | 11.9 |  |  |  |  |
| 15WG52-3 | Wangu | Sh | Cluster | 20 | 14 | 200 |  |  | -4.9 | 7.7 |  |  |  |  |
| 20 | 15 | 202 |  |  | -4.9 | 7.7 |  |  |  |  |
| 20 | 14 | 204 |  |  | -5.3 | 8.3 |  |  |  |  |
| Isolated | 20 | 24 | 206 |  |  | -4.9 | 7.7 |  |  |  |  |
| 15WG52-4 | Isolated | 15 | 24 | 208 |  |  | -5.4 | 8.4 |  |  |  |  |
| Isolated | 10 | 12 | 183 |  |  | -3.2 | 5.3 |  |  |  |  |
| Isolated | 10 | 15 | 202 |  |  | -5.3 | 8.3 |  |  |  |  |
| Isolated | 10 | 8 | 192 |  |  | -4.2 | 6.7 |  |  |  |  |
| Isolated | 20 | 7 | 190 |  |  | -4.5 | 7.2 |  |  |  |  |
| Q4 | Isolated | 20 | 8 | 208 |  |  | -5.6 | 8.7 |  |  |  |  |
| 14JM1-2 | Huangjindong | Sph | Isolated | 10 | 6 | 193 |  |  | -4.6 | 7.3 |  |  |  |  |
| 14JM1-3 | Isolated | 8 | 8 | 202 |  |  | -5 | 7.9 |  |  |  |  |
| Isolated | 12 | 5 | 198 |  |  | -5.8 | 9 |  |  |  |  |
| 14JM2-3 | Isolated | 5 | 8 | 163 |  |  | -4.2 | 6.7 |  |  |  |  |
| Isolated | 15 | 16 | 208 |  |  | -4.2 | 6.7 |  |  |  |  |
| Isolated | 20 | 10 | 212 |  |  | -4.6 | 7.3 |  |  |  |  |
| Q4 | Isolated | 20 | 5 | 218 |  |  | -4.8 | 7.6 |  |  |  |  |
| 15WG52-3 | Wangu | Fracture | 5 | 6 | 118 |  |  | -3.3 | 5.4 |  |  |  |  |
| 5 | 4 | 113 |  |  |  |  |  |  |  |  |
| Fracture | 5 | 5 | 138 |  |  | -5.6 | 8.7 |  |  |  |  |
| 5 | 6 | 138 |  |  | -5.0 | 7.9 |  |  |  |  |
| WG21-4-1 | Wangu | Q5 | Isolated | 3 | 7 | 146 |  |  | -3.4 | 5.6 |  |  |  |  |
| Cluster | 5 | 4 | 142 |  |  | -3.4 | 5.6 |  |  |  |  |
| 5 | 4 | 128 |  |  | -3.2 | 5.3 |  |  |  |  |
| 5 | 5 | 128 |  |  |  |  |  |  |  |  |
| 5 | 4 | 130 |  |  |  |  |  |  |  |  |
| YJW07-1-9 | Huangjindong | Isolated | 15 | 1 | 148 |  |  | -3.2 | 5.3 |  |  |  |  |
| WG21-4-2 | Wangu | Isolated | 8 | 7 | 183 |  |  | -6.2 | 9.5 |  |  |  |  |
| Isolated | 15 | 6 | 210 |  |  | -5 | 7.9 |  |  |  |  |
| WG21-4-3 | Isolated | 15 | 6 | 202 |  |  | -3.8 | 6.2 |  |  |  |  |
| Isolated | 10 | 4 | 235 |  |  | -3.2 | 5.3 |  |  |  |  |
| Isolated | 10 | 3 | 225 |  |  | -2.6 | 4.3 |  |  |  |  |
| WG21-4-4 | Isolated | 20 | 4 | 174 |  |  | -5 | 7.9 |  |  |  |  |
| Isolated | 10 | 8 | 202 |  |  | -5.4 | 8.4 |  |  |  |  |
| WG21-4-5 | Isolated | 8 | 8 | 192 |  |  | -4.6 | 7.3 |  |  |  |  |
| Isolated | 10 | 5 | 182 |  |  | -4.4 | 7 |  |  |  |  |
| Isolated | 15 | 6 | 172 |  |  | -4.6 | 7.3 |  |  |  |  |
| YJW07-1-10 | Huangjindong | Isolated | 25 | 4 | 192 |  |  | -5.4 | 8.4 |  |  |  |  |
| Isolated | 25 | 3 | 236 |  |  | -5.8 | 9 |  |  |  |  |
| Isolated | 25 | 4 | 188 |  |  | -5 | 7.9 |  |  |  |  |
| YJW07-1-11 | Isolated | 10 | 4 | 212 |  |  | -5.4 | 8.4 |  |  |  |  |
| Isolated | 10 | 4 | 162 |  |  | -4.6 | 7.3 |  |  |  |  |
| Isolated | 10 | 6 | 214 |  |  | -4.2 | 6.7 |  |  |  |  |
| Isolated | 10 | 5 | 162 |  |  | -5 | 7.9 |  |  |  |  |
| Isolated | 10 | 4 | 192 |  |  | -4.8 | 7.6 |  |  |  |  |
| Isolated | 8 | 8 | 178 |  |  | -5 | 7.9 |  |  |  |  |

\*Q1, Q3, Q4 and Q5 refer to the quartz in the first, third, fourth and fifth stages. V % – vapor percentage; Tm-ice – ice-melting temperature; Th(v-l) – total homogenization (vapor to liquid) temperature; Th(v-g) – total homogenization (liquid to vapor) temperature; Tdecrepitated–decrepitated temperature; Tm-CO2 – melting temperature of solid CO2; Th-CO2 (v-l) – homogenization (vapor to liquid) temperature of the CO2 part; Th-CO2 (v-l) –homogenization (liquid to vapor) temperature of the CO2 part; TCl – clathrate melting temperature