1.

|  |  |  |  |
| --- | --- | --- | --- |
| P, kPa | T, C | X | V, m3/kg |
| 300 | 200 | X | 0.7163 |
| 1533.6 | 200 | 82.35% | 0.105 |

2.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| State | P, kPa | T, C | X, % | v, m3/kg | h, kJ/kg | DoS |
| 1 | 200 | 200 | X | 1.0803 | 2870 | 79.76 |
| 2 | 250 | 127.44 | 80 | 0.575227 | 2280.53 | x |
| 3 | 300 | 133.56 | 82.49 | 0.5 | 2346.44 | x |
| 4 | 475.72 | 150 | 60 | 0.23617 | 1900.78 | X |
| 5 | 1553.6 | 200 | 78.38 | 0.1 | 2373.03 | x |
| 6 | 400 | 250 | X | 0.5951 | 2963.6 | 106.38 |
| 7 | 1000 | 179.92 | 61.4 | 0.1198 | 2000 | X |
| 8 | 16520 | 350 | X | 0.008812 | 2563.5 | x |
| 9 | 600 | 158.86 | 0 | 0.001101 | 670.71 | x |
| 10 | 2000 | 500 | 100 | 0.1757 | 3467.7 | 285.58 |
| 11 | 5000 | 230 | X | 0.001206 | 990.43 | x |
| 12 | 4000 | 500 | 100 | 0.08642 | 3445.4 | 249.61 |
| 13 | 8000 | 295.04 | - | - | - | - |

3.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| State | P, kPa | T, C | X, % | v, m3/kg |
| 1 | 300 | 200 | - | 0.7163 |
| 2 | 300 | 133.56 | 65 | 0.3942 |
| 3 | 1553.06 | 200 | 82.35 | 0.105 |
| 4 | 10000 | 800 | - | 0.04863 |
| 5 | 20000 | 120 | - | 0.0010495 |
| 6 | 101.325 | 100 | X | 0.001043 |