| INTENSITY TABLE FOR HCL | | |
| --- | --- | --- |
| Transition (v' ← v'') | Overlap S | Intensity I = |S|² |
| 0 ← 0 | 0.8964 | 0.8035 |
| 1 ← 0 | 0.8111 | 0.6578 |
| 2 ← 0 | 0.7339 | 0.5386 |
| 3 ← 0 | 0.6641 | 0.441 |
| 4 ← 0 | 0.6009 | 0.361 |
| 5 ← 0 | 0.5437 | 0.2956 |

| ITENSITY TABLE FOR HF | | |
| --- | --- | --- |
| Transition (v' ← v'') | Overlap S | Intensity I = |S|² |
| 0 ← 0 | 0.9127 | 0.833 |
| 1 ← 0 | 0.8259 | 0.682 |
| 2 ← 0 | 0.7473 | 0.5584 |
| 3 ← 0 | 0.6762 | 0.4572 |
| 4 ← 0 | 0.6118 | 0.3743 |
| 5 ← 0 | 0.5536 | 0.3065 |

| ITENSITY TABLE FOR HBR | | |
| --- | --- | --- |
| Transition (v' ← v'') | Overlap S | Intensity I = |S|² |
| 0 ← 0 | 0.9287 | 0.8624 |
| 1 ← 0 | 0.8403 | 0.7061 |
| 2 ← 0 | 0.7603 | 0.5781 |
| 3 ← 0 | 0.688 | 0.4733 |
| 4 ← 0 | 0.6225 | 0.3875 |
| 5 ← 0 | 0.5633 | 0.3173 |

| INTENSITY TABLE FOR HI | | |
| --- | --- | --- |
| Transition (v' ← v'') | Overlap S | Intensity I = |S|² |
| 0 ← 0 | 0.9569 | 0.9157 |
| 1 ← 0 | 0.8659 | 0.7497 |
| 2 ← 0 | 0.7835 | 0.6138 |
| 3 ← 0 | 0.7089 | 0.5025 |
| 4 ← 0 | 0.6414 | 0.4114 |
| 5 ← 0 | 0.5804 | 0.3369 |

| ITENSITY TABLE FOR CO | | |
| --- | --- | --- |
| Transition (v' ← v'') | Overlap S | Intensity I = |S|² |
| 0 ← 0 | 0.9584 | 0.9184 |
| 1 ← 0 | 0.8672 | 0.752 |
| 2 ← 0 | 0.7846 | 0.6156 |
| 3 ← 0 | 0.71 | 0.504 |
| 4 ← 0 | 0.6424 | 0.4127 |
| 5 ← 0 | 0.5813 | 0.3379 |

| INTENSITY TABLE FOR NO | | |
| --- | --- | --- |
| Transition (v' ← v'') | Overlap S | Intensity I = |S|² |
| 0 ← 0 | 0.9078 | 0.8241 |
| 1 ← 0 | 0.8214 | 0.6747 |
| 2 ← 0 | 0.7432 | 0.5524 |
| 3 ← 0 | 0.6725 | 0.4523 |
| 4 ← 0 | 0.6085 | 0.3703 |
| 5 ← 0 | 0.5506 | 0.3032 |

| INTENSITY TABLE FOR OXYGEN | | |
| --- | --- | --- |
| Transition (v' ← v'') | Overlap S | Intensity I = |S|² |
| 0 ← 0 | 0.9522 | 0.9066 |
| 1 ← 0 | 0.8615 | 0.7423 |
| 2 ← 0 | 0.7796 | 0.6077 |
| 3 ← 0 | 0.7054 | 0.4976 |
| 4 ← 0 | 0.6383 | 0.4074 |
| 5 ← 0 | 0.5775 | 0.3335 |

| INTENSITY TABLE FOR NITROGEN | | |
| --- | --- | --- |
| Transition (v' ← v'') | Overlap S | Intensity I = |S|² |
| 0 ← 0 | 0.9721 | 0.9451 |
| 1 ← 0 | 0.8796 | 0.7738 |
| 2 ← 0 | 0.7959 | 0.6335 |
| 3 ← 0 | 0.7202 | 0.5187 |
| 4 ← 0 | 0.6516 | 0.4246 |
| 5 ← 0 | 0.5896 | 0.3477 |

| ITENSITY TABLE FOR CHLORINE | | |
| --- | --- | --- |
| Transition (v' ← v'') | Overlap S | Intensity I = |S|² |
| 0 ← 0 | 0.8353 | 0.6977 |
| 1 ← 0 | 0.7558 | 0.5712 |
| 2 ← 0 | 0.6839 | 0.4677 |
| 3 ← 0 | 0.6188 | 0.3829 |
| 4 ← 0 | 0.5599 | 0.3135 |
| 5 ← 0 | 0.5066 | 0.2567 |

| ITENSITY TABLE FOR BROMINE | | |
| --- | --- | --- |
| Transition (v' ← v'') | Overlap S | Intensity I = |S|² |
| 0 ← 0 | 0.7196 | 0.5179 |
| 1 ← 0 | 0.6511 | 0.4240 |
| 2 ← 0 | 0.5892 | 0.3471 |
| 3 ← 0 | 0.5331 | 0.2842 |
| 4 ← 0 | 0.4824 | 0.2327 |
| 5 ← 0 | 0.4365 | 0.1905 |