|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **Trial 1** | **Trial 2** | **Trial 3** |
| Lab Temperature  | **°C** |  |  |  |
| Barometric Pressure  | **torr** |  |  |  |
|  |  |  |  |  |
| **Q** Total Charge (integral) | **Coulombs** |  |  |  |
|  |  |  |  |  |
| Burette Dead Space  | **mL** |  |  |  |
| VolumeH2 Measured  | **mL** |  |  |  |
| VolumeH2 Adjusted  | **mL** |  |  |  |
|  |  |  |  |  |
| Pvapor H2O  (Table 5.3) | **torr** |  |  |  |
| h solution  | **mm** |  |  |  |
| Psuspended (Equation 5) | **torr** |  |  |  |
| PH2 (Equation 4) | **torr** |  |  |  |
|  |  |  |  |  |
| **ngas**  (ideal gas law) | **moles** |  |  |  |
|  |  |  |  |  |
| **ne** moles of e- transferred**\*\*** | **moles** |  |  |  |
|  |  |  |  |  |
| **F** (Equation 1)*Faraday’s Constant* | **C/mole** |  |  |  |
|  |  |  |  |  |
| Δ% Compare **F** to  the known value. |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |