**Data Validation Codes**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Qualifier Code** | **Qualifier Description** | **Qualifier Type Description** | **Qualifier Type** | **Comments:** |
| AM | Miscellaneous Void | Null Data Qualifier | NULL |  |
| AN | Machine Malfunction | Null Data Qualifier | NULL | Communication error; instrument not collecting, data set to null [NA] |
| AT | Calibration | Null Data Qualifier | NULL |  |
| AZ | QC Audit | Null Data Qualifier | NULL |  |
| BA | Maintenance/Routine Repairs | Null Data Qualifier | NULL |  |
| BN | Sample Value Exceeds Media Limit | Null Data Qualifier | NULL | Values exceed range of unit in one or more channels and are invalid; both channels invalidated |
| MD | Value less than instrument detection limit | Quality Assurance Qualifier | QA | less than value of instrument detection limit per manufacturer’s manual |
| ND | No value detected | Quality Assurance Qualifier | QA | Monitor records a measurement of zero |
| QX | Does not meet QC criteria | Null Data Qualifier | NULL |  |
| EH | Estimated, Exceeds upper range | Quality Assurance Qualifier | QA |  |

**Qualified Data Column Header Index**

|  |  |
| --- | --- |
| **Column** | **Unit** |
| Date/time local | All instruments recorded in CDT |
| H2S | PPB |
| CH4 | PPM |
| GPS.Latitude | Latitude |
| GPS.Longitude | Longitude |
| AirMar.Wind.Speed..m.s. | m/s |
| AirMar.Wind.Direction..TRUE. | degrees |
| NO2.Conc | PPB |
| O3.Conc | PPB |