**Info on ions data:**

**Data is uploaded in 4 files and in 2 versions**, one version with dilution correction calculated by instrument and one version without any dilution correction. **File from 20220209 only has one version because there were no dilutions needed.**

1. **Anion data from conductivity detector 1**: fluoride, chloride, bromide, sulfate, and phosphate
2. **Anion data from UV detector 1:** nitrite and nitrate
3. **Cation data from conductivity detector 2**: lithium, sodium, ammonium, potassium, magnesium, and calcium
4. **Readme file**: flags, notes, and dilutions (if not automatically re-calculated by instrument) from particular run

**Readme Flags:**

* 1. **Omit:** bad data, don’t use
  2. **Blank correct**: blanks ran high, need to subtract from sample concentrations
  3. **Replace:** sample was re-run and file for this new data is defined at top of Readme file
  4. **Dilution correct:** current data is of diluted sample, need to calculate full strength sample concentration
     1. Dilution factor in column next to action in Readme file

**File Naming Convention:**

YYYYMMDD\_Data/Readme\_Dilutionstatus\_processingstep\_Analyte\_Detector\_detectornumber\_Project\_Activity/Campaign\_Event\_Samplenumber

**Examples:**

**No dilution correction:**

20220209\_Data\_Diluted\_Raw\_Anion\_CD\_1\_COMPASS\_EXCHANGE\_EC1\_n20

**Dilution corrected:**

20220209\_Data\_DilutionCorrected\_Raw\_Anion\_CD\_1\_COMPASS\_EXCHANGE\_EC1\_n20

**Readme file:**

20220209\_Readme\_Raw\_Ions\_COMPASS\_EXCHANGE\_EC1\_n20