Synoptic CB: Porewater Sulfide

September 2025 Samples Plate 1

2025-10-30

Run Information

```
###### Run information - PLEASE CHANGE
  Date_Run = "20250925"   #Date that instrument was run
  Plate = "1"
  Month = "Sept"
  Year = "2025"
  Run_by = "Steph Wilson and Zoe Read"  #Instrument user
  Script_run_by = "Zoe Read" #Code user
  Project = "COMPASS"
  run_notes = "Sample 12 still has high CV after one replicate removed.
  Samples 12, 15, 19, 20, and 6 need to be diluted.
  10 uL of spike added.
  " #any notes from the run

###### STDs to remove manually - NA unless standards have high CVs
  stds_to_remove <- c(NA) #Ex. c("A02", "B02")

  Chkstds_to_remove <- c(NA)

  MCs_to_remove <- c(NA)

##Sample data that was entered incorrectly
  # The Old ID is the original, incorrecly-entered ID and the New ID is the correct ID to change it to.
# Old_ID_1 = "17 Dup"
# New_ID_1 = "16 Dup"
cat(run_notes)
```

```
## Sample 12 still has high CV after one replicate removed.
##   Samples 12, 15, 19, 20, and 6 need to be diluted.
##   10 uL of spike added.
##
```

```
## [1] "Std Curve R squared: 0.9888"
```

Sample triplicate means and sd dev before bad reps removed

Sample triplicate means and sd dev after bad reps removed

Duplicate Checks

Difference Between Duplicates (%)

Sample ID
13

Spike Checks

Spike Recovery (%)

Sample ID
14

Matrix Effects

T−test p−value

Sample ID
MC: 10ppt S5   MC: 20ppt S5