# Synoptic CB: Porewater Sulfide

September 2025 Samples Plate 2

2025-10-30

## Run Information

```
###### Run information - PLEASE CHANGE
  Date_Run = "20250925"   #Date that instrument was run
  Plate = "2"
  Month = "Sept"
  Year = "2025"
  Run_by = "Steph Wilson and Zoe Read"   #Instrument user
  Script_run_by = "Zoe Read" #Code user
  Project = "COMPASS"
  run_notes = "Samples 34 and 44 still have high CVs after one replicate removed.
  Samples 36, 38, 39, 43, and 44 need to be diluted.
  Duplicate & sample had H2S values of 0.
  Spk had high percent recovery.
  10 uL of spike added.
  " #any notes from the run

###### STDs to remove manually - NA unless standards have high CVs
  stds_to_remove <- c("C01") #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)
```
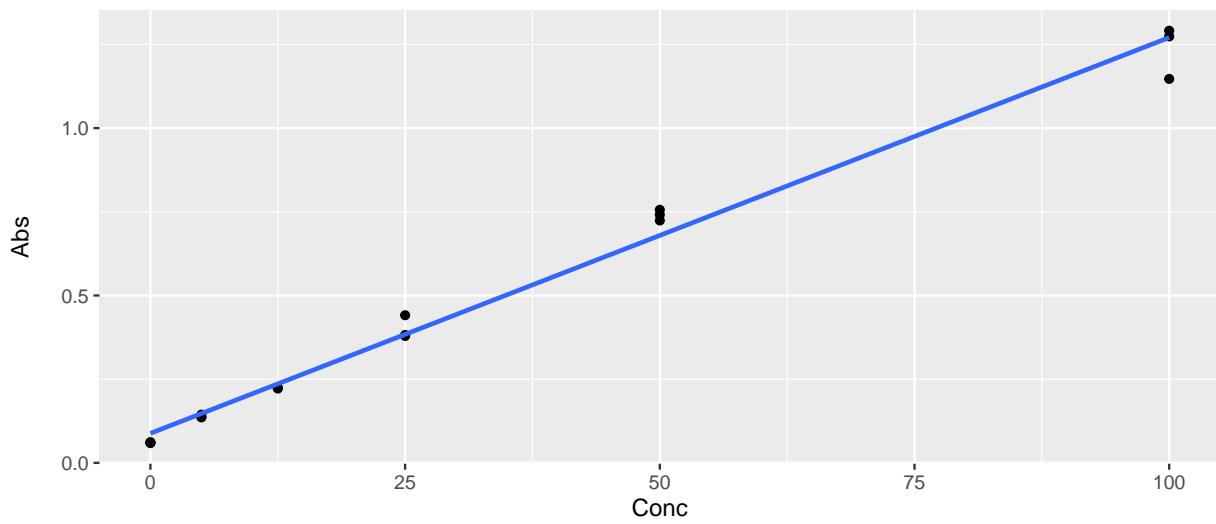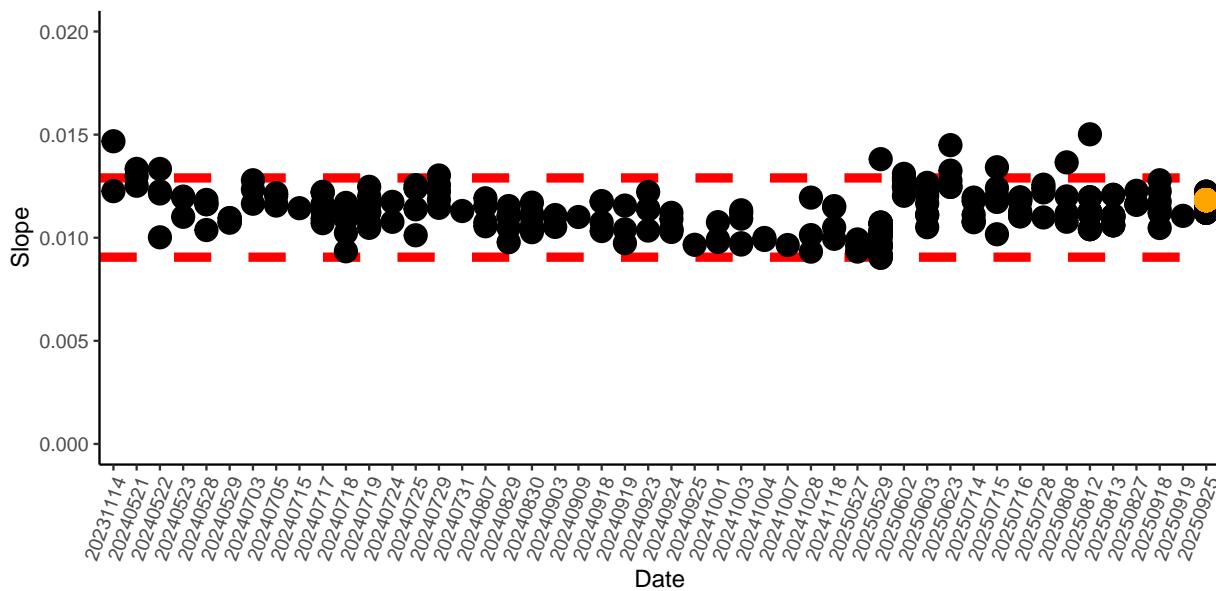
```
## Samples 34 and 44 still have high CVs after one replicate removed.
##   Samples 36, 38, 39, 43, and 44 need to be diluted.
##   Duplicate & sample had H2S values of 0.
##   Spk had high percent recovery.
##   10 uL of spike added.
##
```

```
## [1] "Std Curve R squared: 0.9879"
```

Sulfide Standard Curve

Sulfide Slopes

Sulfide Intercepts

Sample triplicate means and sd dev before bad reps removed


Sample triplicate means and sd dev after bad reps removed

Duplicate Checks

Spike Checks

Matrix Effects