

Synoptic CB: Porewater Sulfide

July 2025 Samples Plate 1

2025-10-23

Run Information

```
##### Run information - PLEASE CHANGE
Date_Run = "20250812" #Date that instrument was run
Plate = "1"
Month = "July"
Year = "2025"
Run_by = "Melanie Giessner" #Instrument user
Script_run_by = "Zoe Read" #Code user
Project = "COMPASS"
run_notes = "Samples 13 and 8 still have high CVs.
Samples 14, 15, and 16 need to be rerun with dilutions.
One of the dup/sample pairs had H2S values of 0.
One spk had slightly high percent recovery (125.6853 vs 120 cutoff).
" #any notes from the run

##### STDs to remove manually - NA unless standards have high CVs
stds_to_remove <- c("B01", "C02") #Ex. c("A02", "B02")

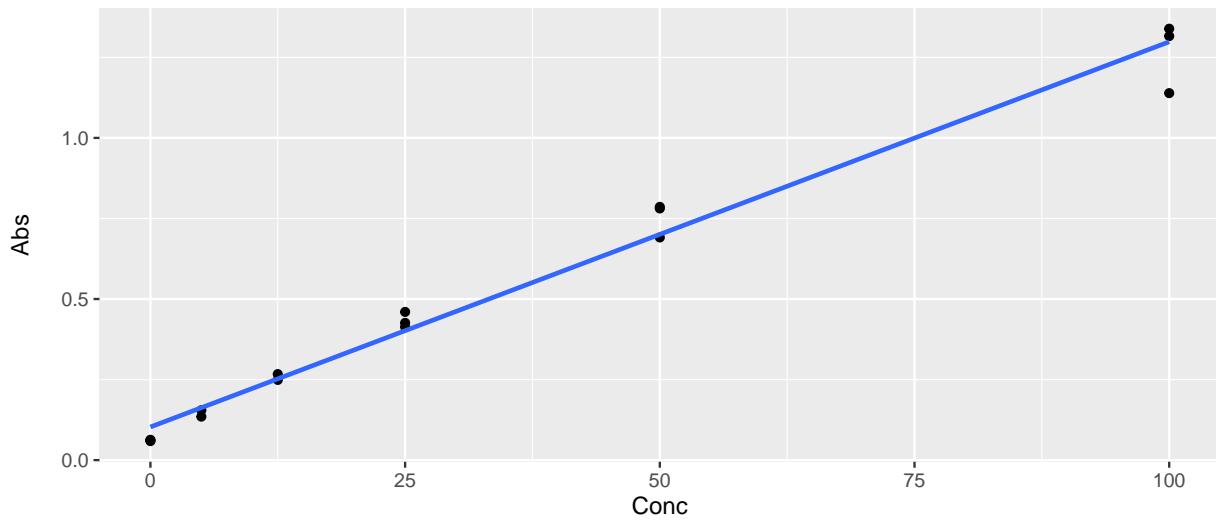
Chkstds_to_remove <- c("D07", "H10")

MCs_to_remove <- c(NA)

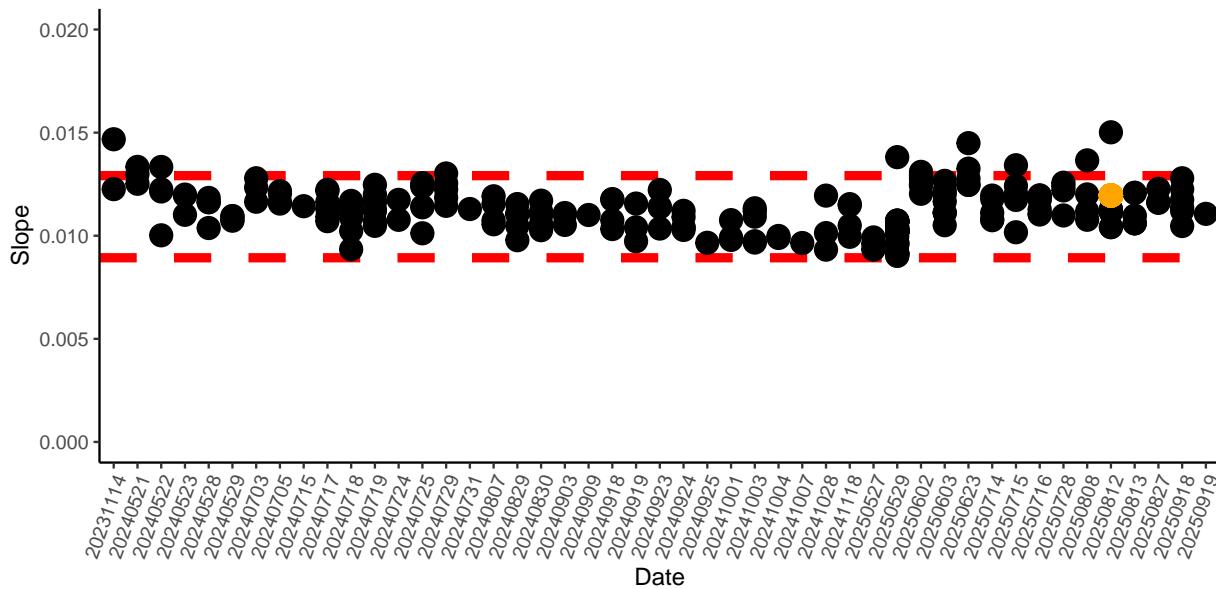
##Sample data that was entered incorrectly
# The Old ID is the original, incorrectly-entered ID and the New ID is the correct ID to change it to.
# Old_ID_1 = "17 Dup"
# New_ID_1 = "16 Dup"
cat(run_notes)

## Samples 13 and 8 still have high CVs.
## Samples 14, 15, and 16 need to be rerun with dilutions.
## One of the dup/sample pairs had H2S values of 0.
## One spk had slightly high percent recovery (125.6853 vs 120 cutoff).
##
## [1] "Std Curve R squared: 0.9811"
```

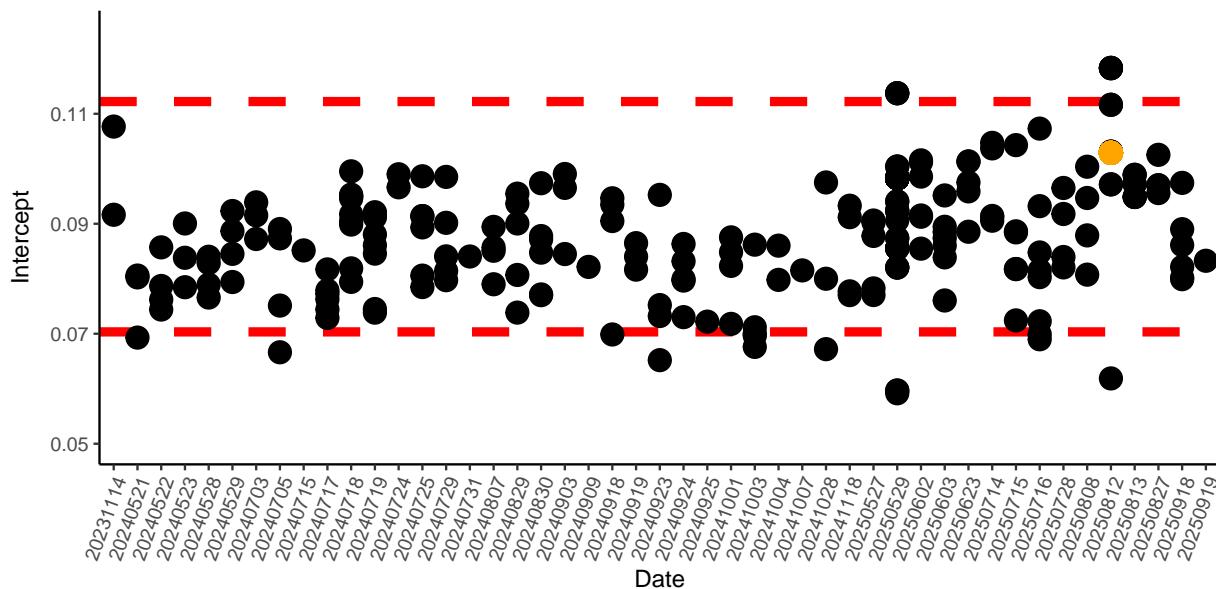
Sulfide Standard Curve



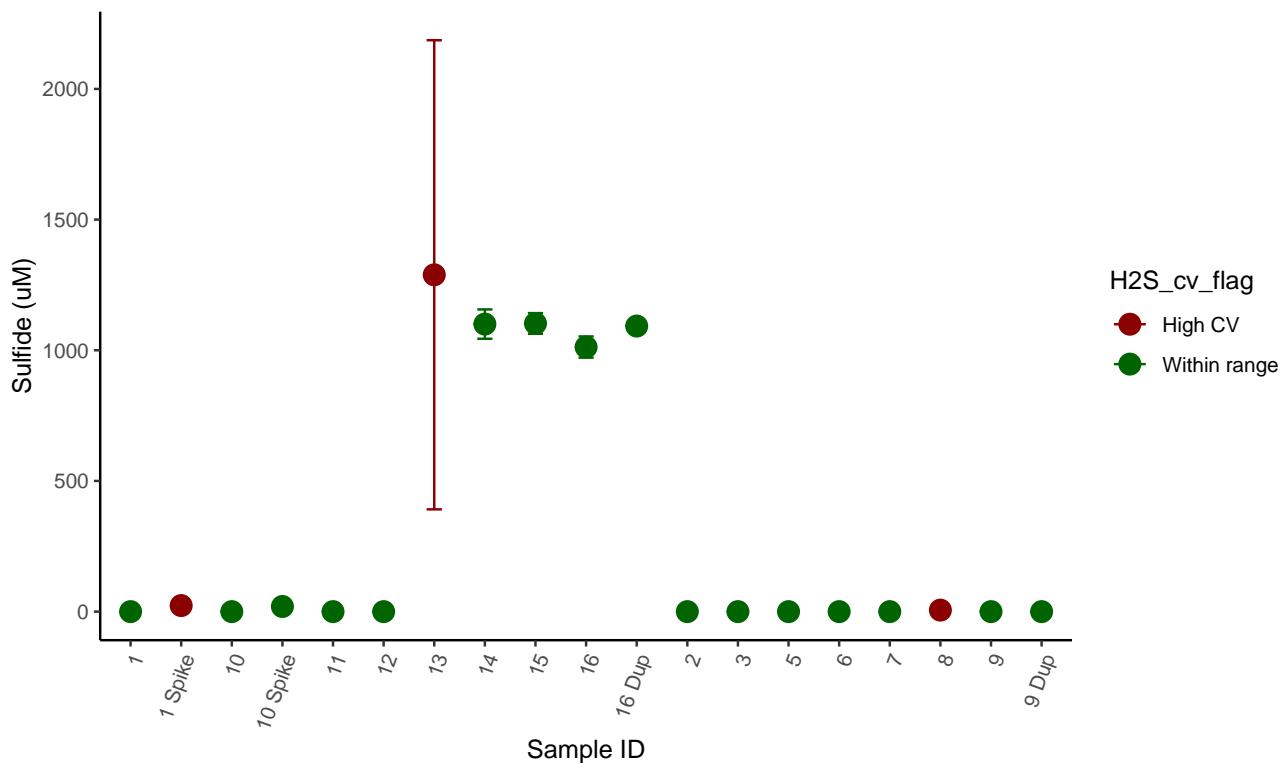
Sulfide Slopes



Sulfide Intercepts



Sample triplicate means and sd dev before bad reps removed



Sample triplicate means and sd dev after bad reps removed

