

Synoptic CB: Porewater Sulfide

July 2025 Samples Plate 3

2025-10-23

Run Information

```
##### Run information - PLEASE CHANGE
Date_Run = "20250812" #Date that instrument was run
Plate = "3"
Month = "July"
Year = "2025"
Run_by = "Melanie Giessner" #Instrument user
Script_run_by = "Zoe Read" #Code user
Project = "COMPASS"
run_notes = "Std curve R squared is slightly lower than cutoff 0.9753122.
Samples 35, 37, 33, and 41 still have high CVs after one replicate removed.
Dup 41 had high percent difference from sample.
Spk 42 had low percent recovery.
" #any notes from the run

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

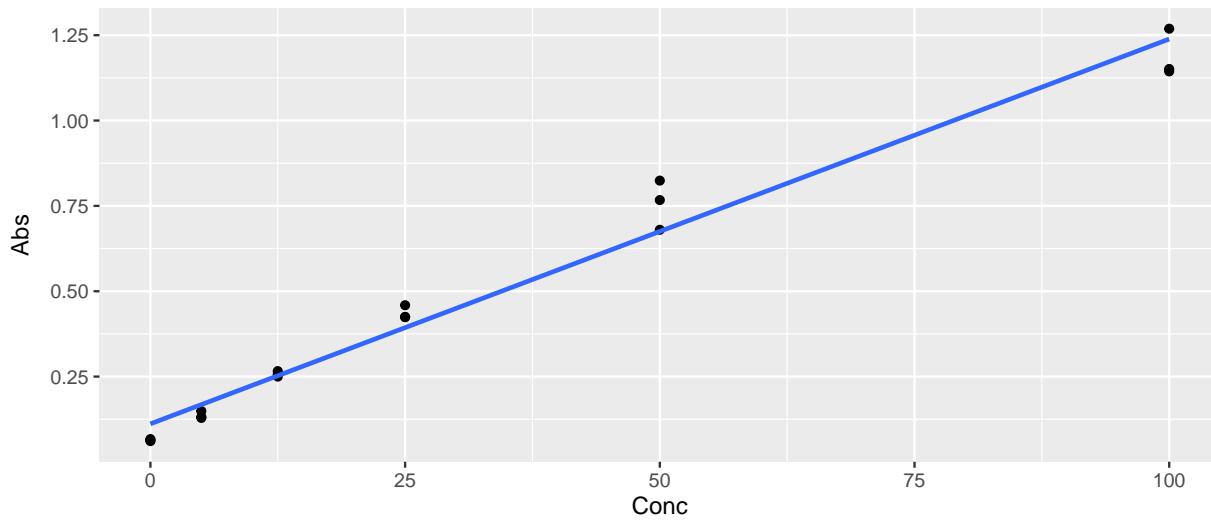
Chkstds_to_remove <- c("H11")

MCs_to_remove <- c(NA)

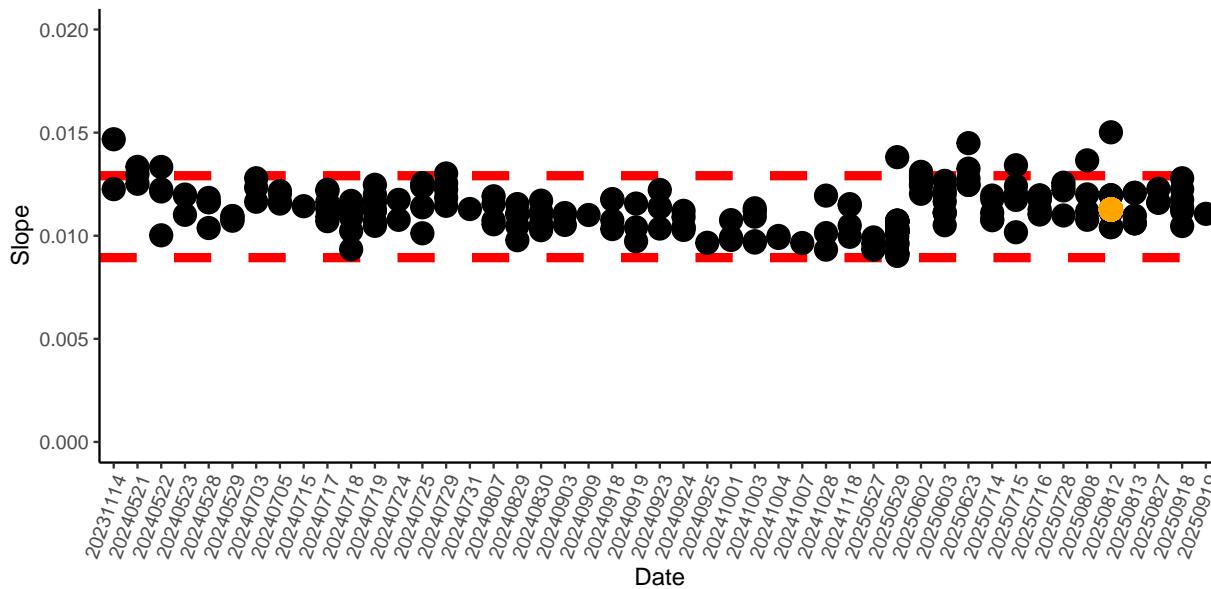
##Sample data that was entered incorrectly
# The Old ID is the original, incorrectly-entered ID and the New ID is the correct ID to change it to.
# Old_ID_1 = "17 Dup"
# New_ID_1 = "16 Dup"
cat(run_notes)

## Std curve R squared is slightly lower than cutoff 0.9753122.
## Samples 35, 37, 33, and 41 still have high CVs after one replicate removed.
## Dup 41 had high percent difference from sample.
## Spk 42 had low percent recovery.
##
## [1] "Std Curve R squared: 0.9753"
```

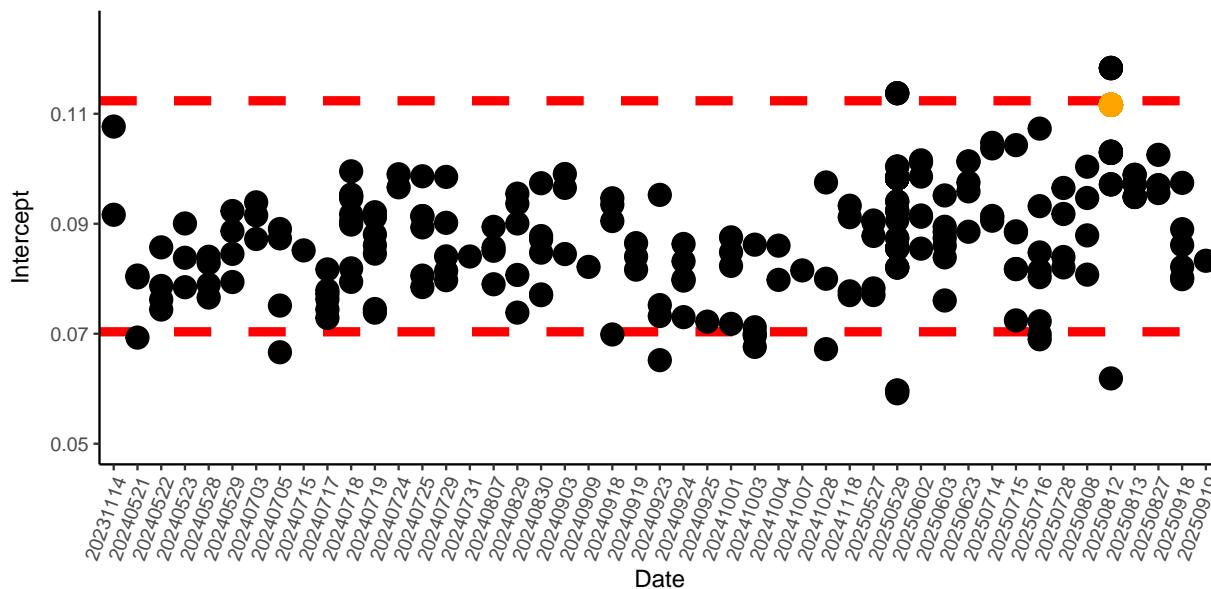
Sulfide Standard Curve



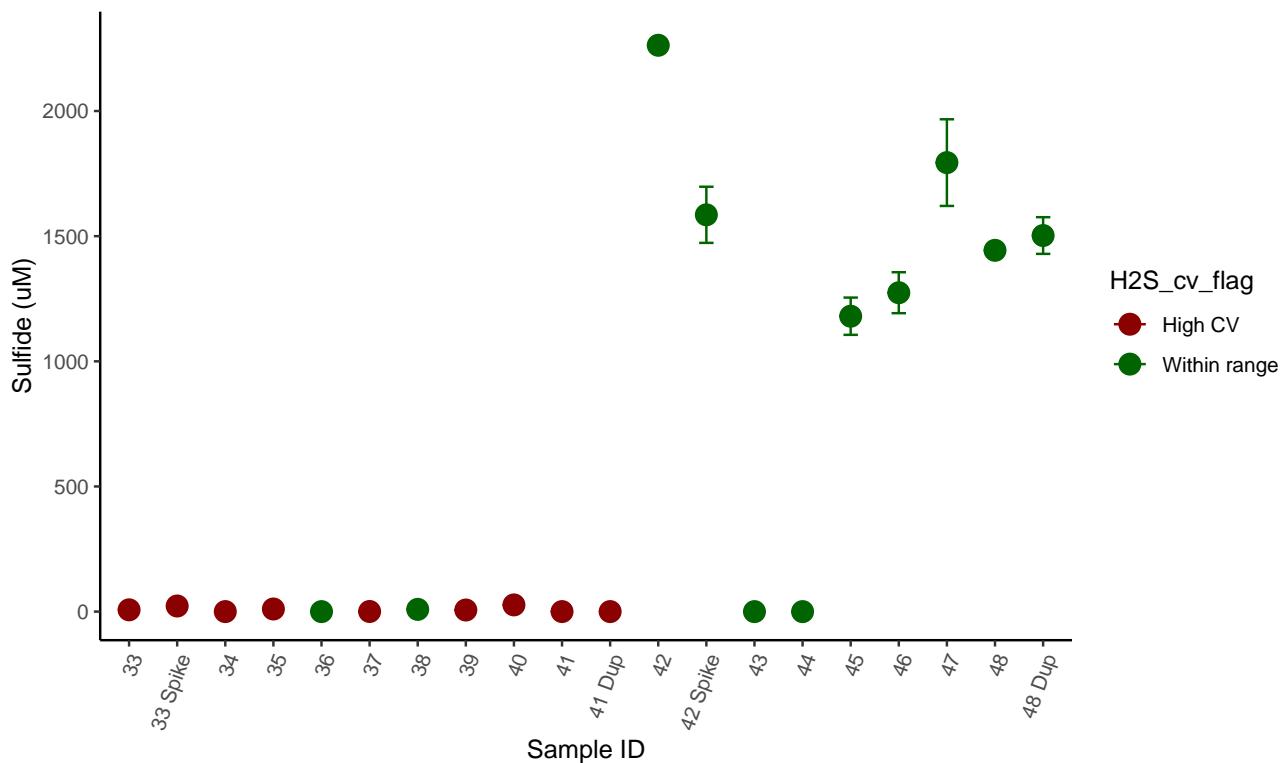
Sulfide Slopes



Sulfide Intercepts



Sample triplicate means and sd dev before bad reps removed



Sample triplicate means and sd dev after bad reps removed

