

Synoptic CB: Porewater Sulfide

July 2025 Samples Plate 6

2025-10-23

Run Information

```
##### Run information - PLEASE CHANGE
Date_Run = "20250813" #Date that instrument was run
Plate = "6"
Month = "July"
Year = "2025"
Run_by = "Melanie Giessner" #Instrument user
Script_run_by = "Zoe Read" #Code user
Project = "COMPASS"
run_notes = "Chk Std 4 is significantly different from Std 4.
Samples 89 and 96 still have high CVs after one replicate was removed.
Spk 90 had high percent recovery.
" #any notes from the run

##### STDs to remove manually - NA unless standards have high CVs - CHECK THESE!
stds_to_remove <- c("D01", "E02") #Ex. c("A02", "B02")

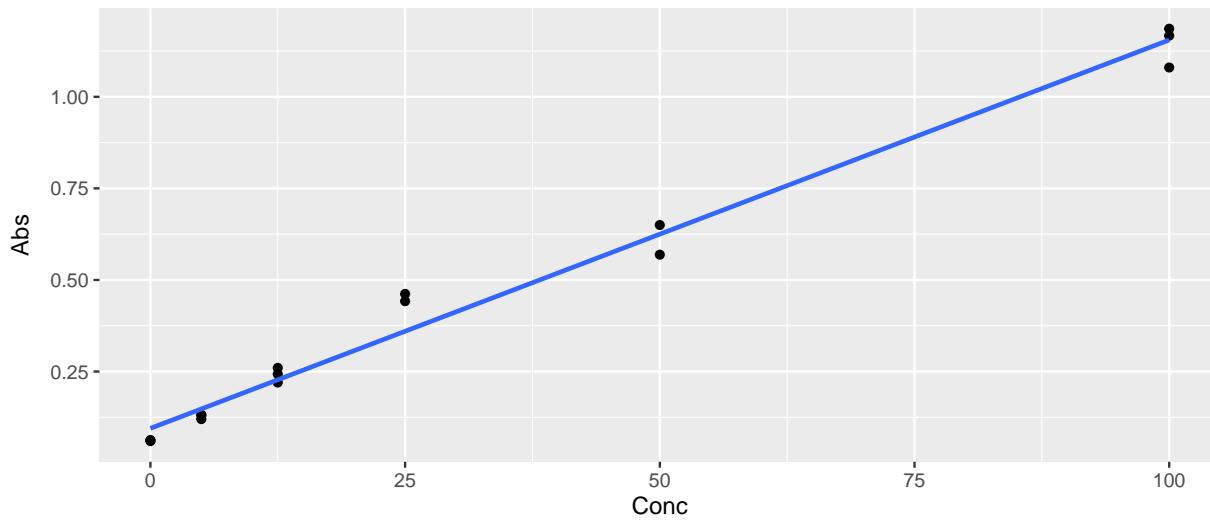
Chkstds_to_remove <- c("D08")

MCs_to_remove <- c(NA)

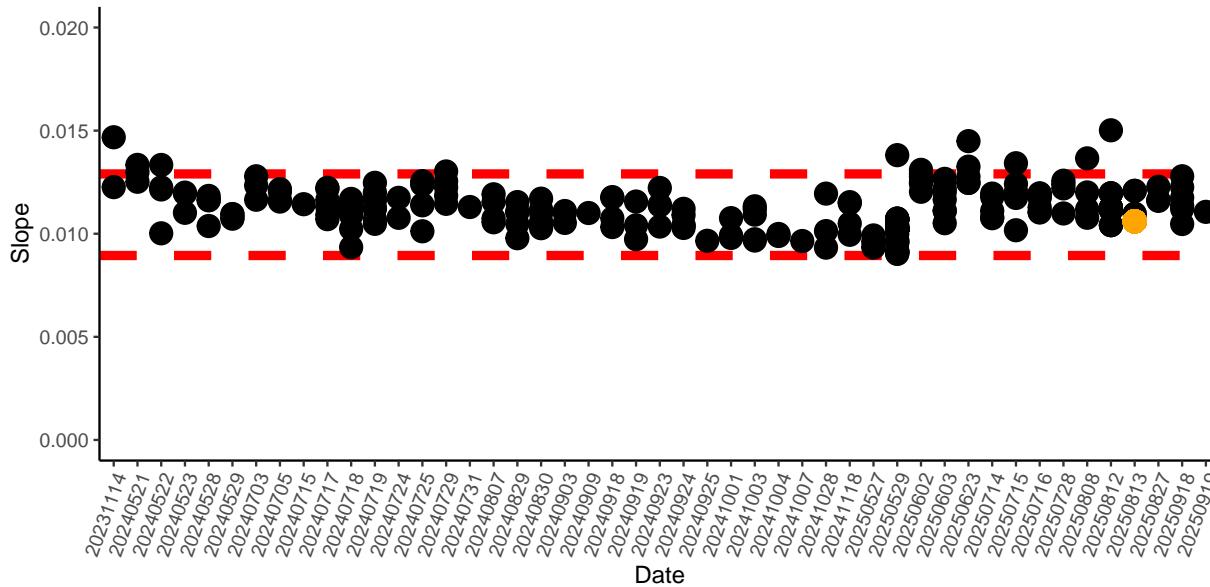
## Sample data that was entered incorrectly
# The Old ID is the original, incorrectly-entered ID and the New ID is the correct ID to change it to.
# Old_ID_1 = "17 Dup"
# New_ID_1 = "16 Dup"
cat(run_notes)

## Chk Std 4 is significantly different from Std 4.
## Samples 89 and 96 still have high CVs after one replicate was removed.
## Spk 90 had high percent recovery.
##
## [1] "Std Curve R squared: 0.9849"
```

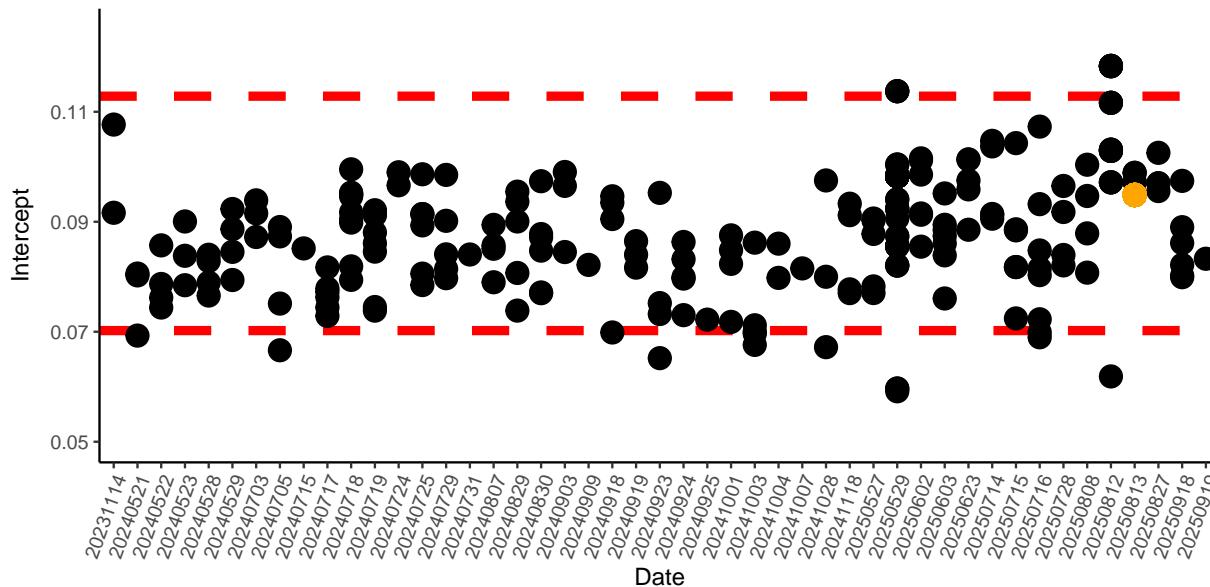
Sulfide Standard Curve



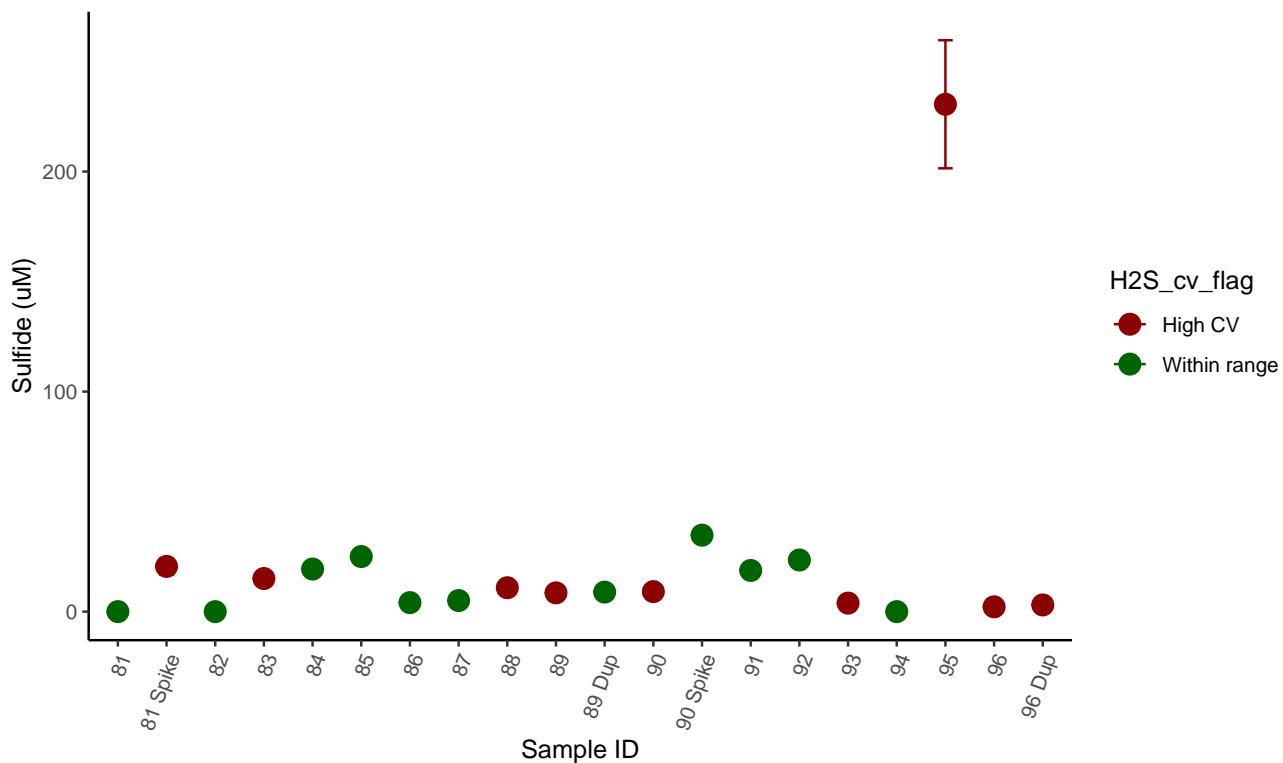
Sulfide Slopes



Sulfide Intercepts



Sample triplicate means and sd dev before bad reps removed



Sample triplicate means and sd dev after bad reps removed

