

Synoptic CB: Porewater Sulfide

May 2025 Samples Plate 1

2025-10-17

Run Information

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##### Run information - PLEASE CHANGE
Date_Run = "20250529" #Date that instrument was run
Plate = "1"
Month = "May"
Year = "2025"
Run_by = "Melanie Giessner" #Instrument user
Script_run_by = "Zoe Read" #Code user
Project = "COMPASS"
run_notes = "Some sample IDs were entered incorrectly so they had to be fixed in code.
Samples 15 and 16 need to be diluted and rerun.
" #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, 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"

Old_ID_2 = "18 Dup"
New_ID_2 = "16 Dup"

Old_ID_3 = "ChkStd 1"
New_ID_3 = "ChkStd 0"

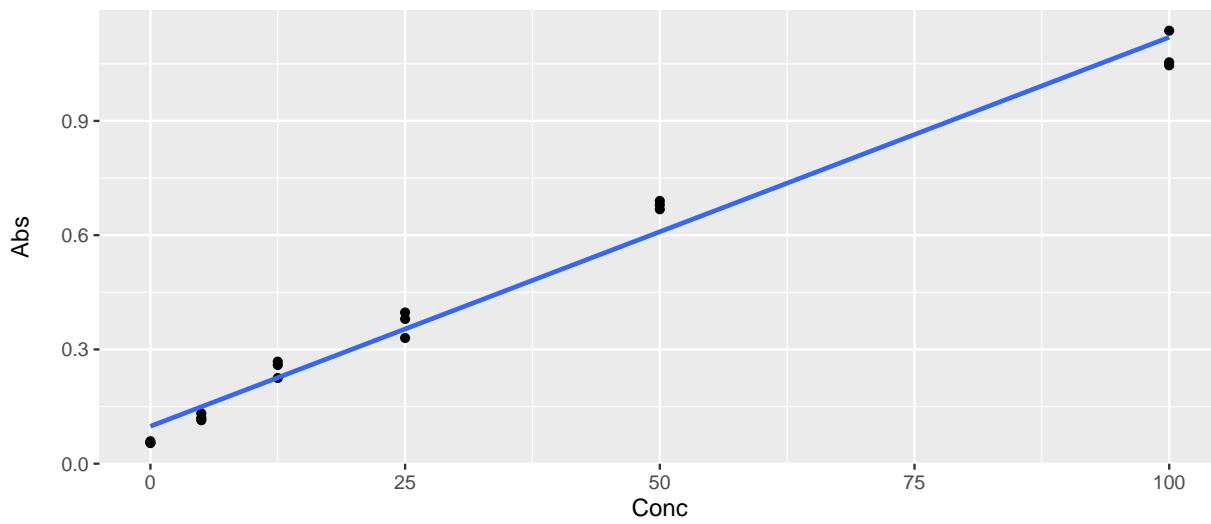
Old_ID_4 = "ChkStd 2"
New_ID_4 = "ChkStd 0"

Old_ID_5 = "ChkStd 5"
New_ID_5 = "ChkStd 4"

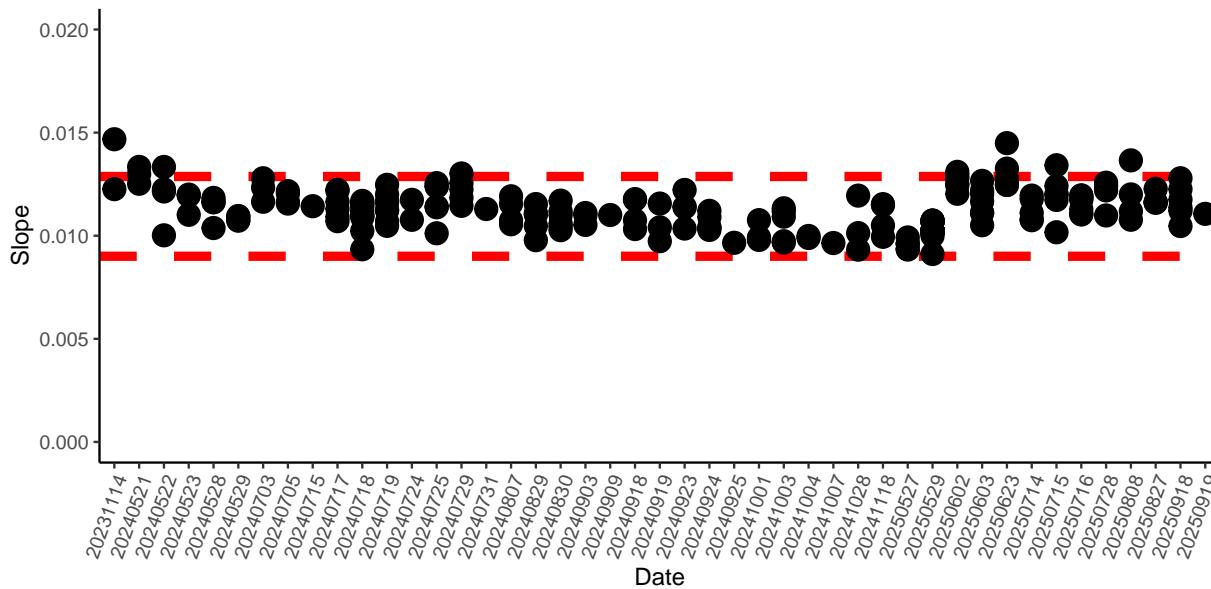
Old_ID_6 = "ChkStd 6"
New_ID_6 = "ChkStd 4"

## [1] "Std Curve R squared: 0.9818"
```

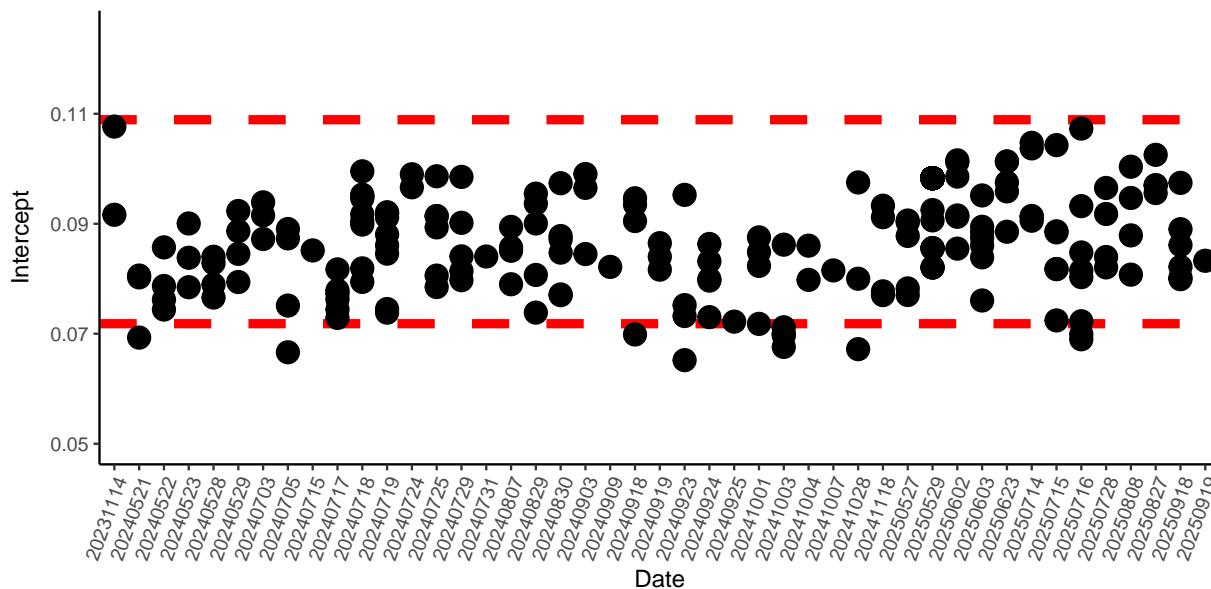
Sulfide Standard Curve



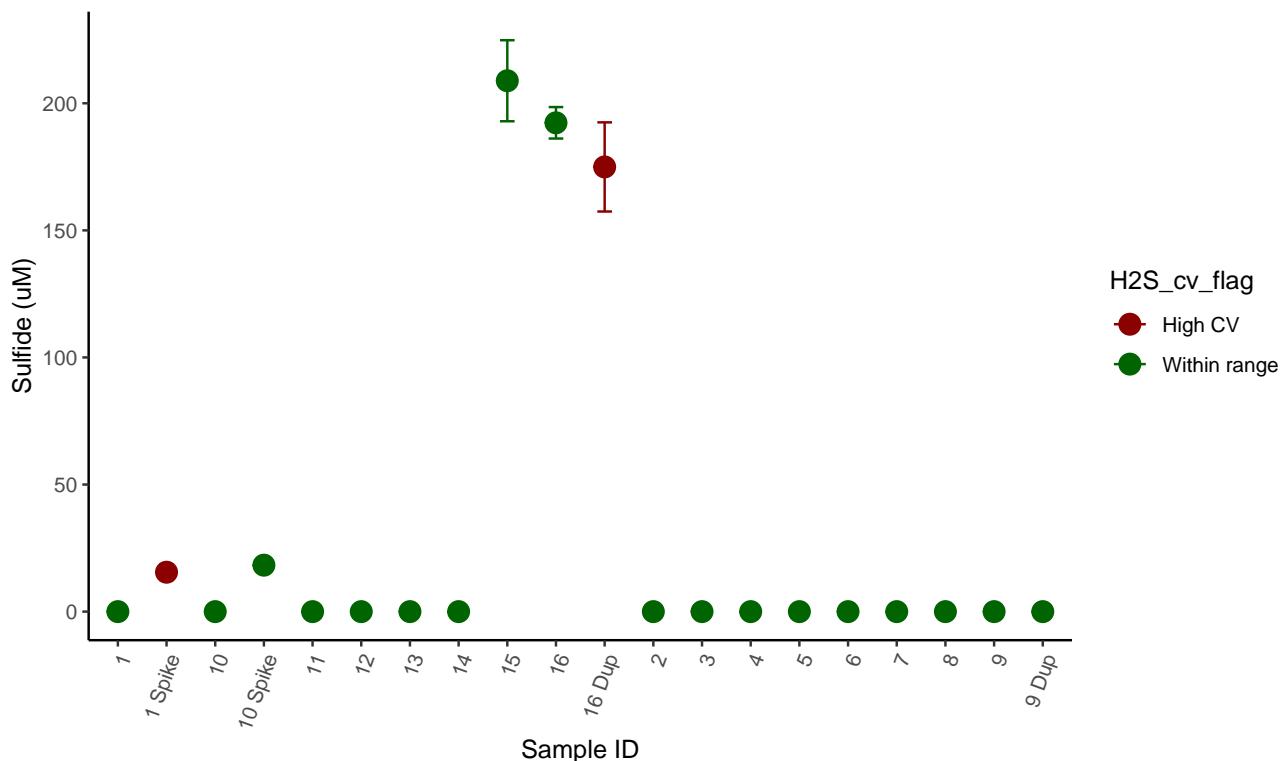
Sulfide Slopes



Sulfide Intercepts



Sample triplicate means and sd dev before bad reps removed



Sample triplicate means and sd dev after bad reps removed

