

# Synoptic CB: Porewater Sulfide

July 2025 Samples Plate 4

2025-10-23

## Run Information

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##### Run information - PLEASE CHANGE
Date_Run = "20250812" #Date that instrument was run
Plate = "4"
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 below cutoff: 0.9565605.
Chk Std 0 is significantly different from Std 0 (Both DI water).
Matrix Check 10 is significantly higher than Std 5.
Sample 59 still has high CV after on replicate removed.
Both dups & respective samples had H2S values of 0.
" #any notes from the run

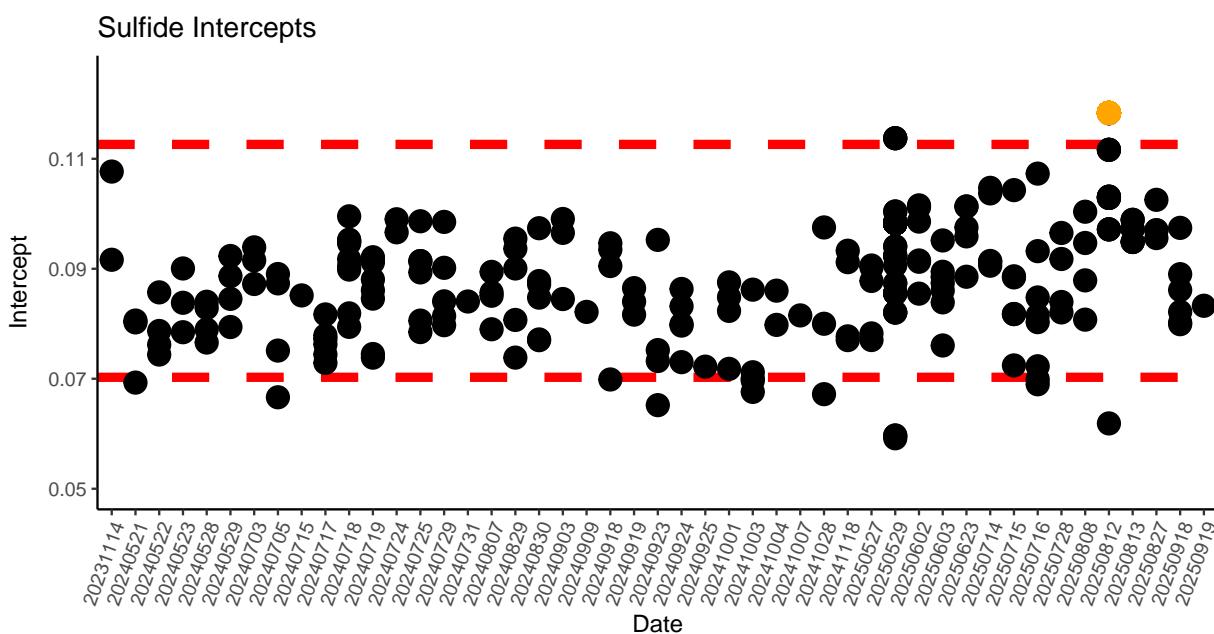
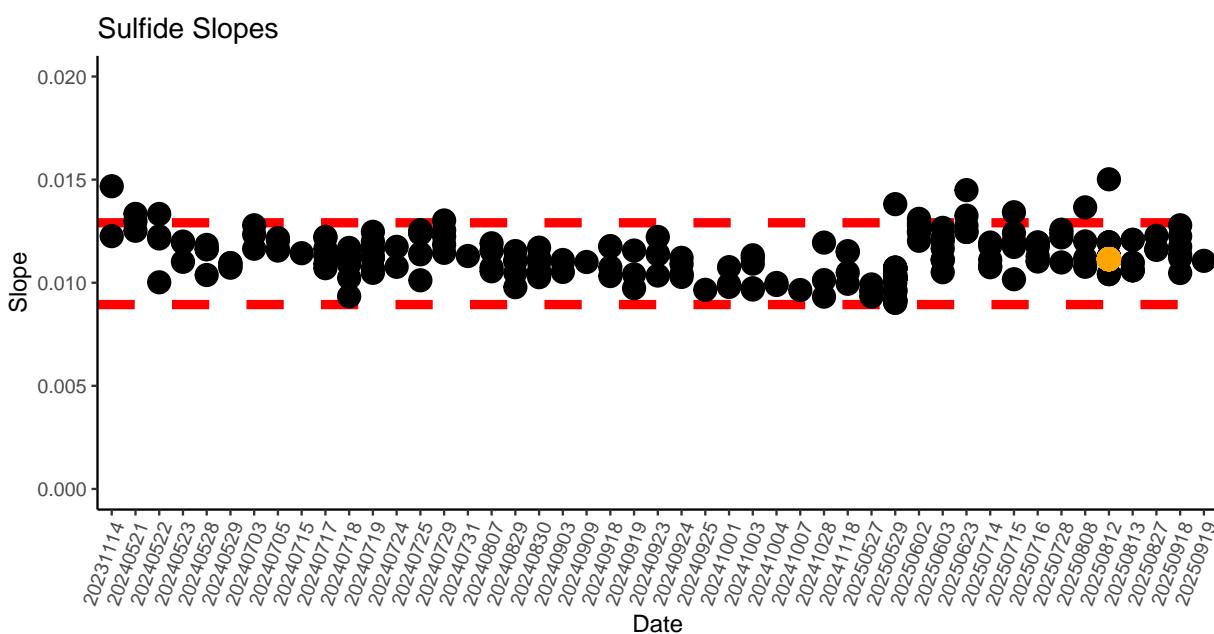
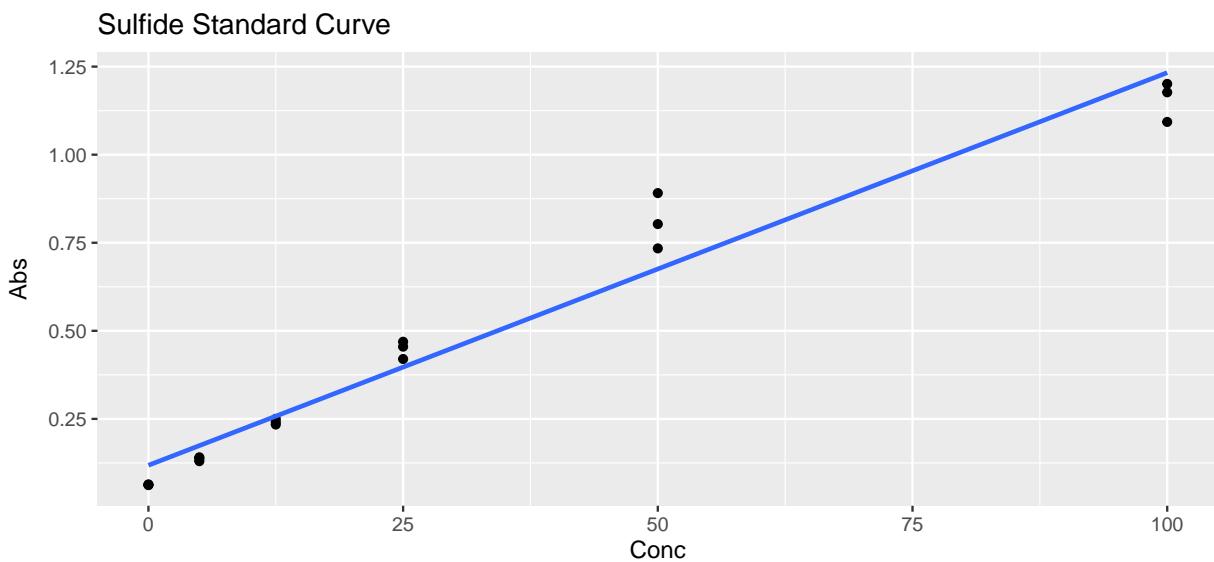
##### STDs to remove manually - NA unless standards have high CVs - CHECK THESE!
stds_to_remove <- c(NA) #Ex. c("A02", "B02")

Chkstds_to_remove <- c("D07")

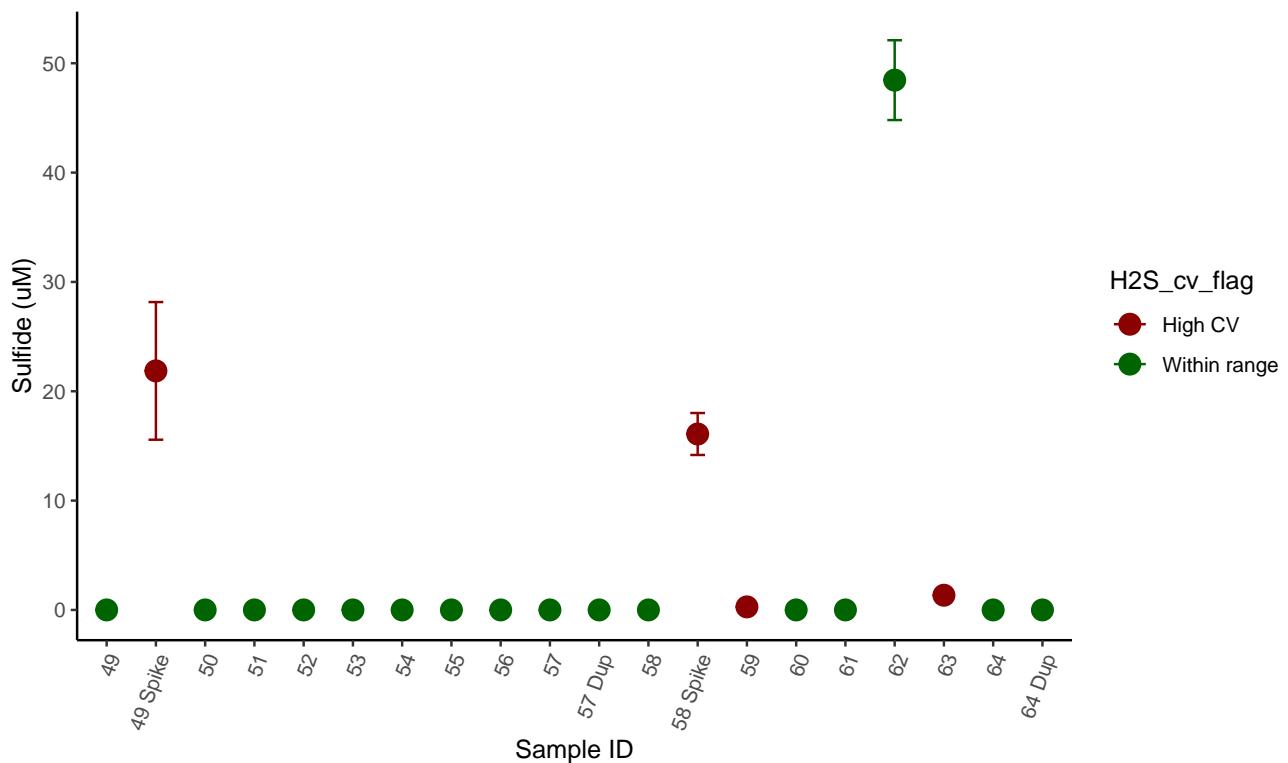
MCs_to_remove <- c(NA)

## 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 below cutoff: 0.9565605.
## Chk Std 0 is significantly different from Std 0 (Both DI water).
## Matrix Check 10 is significantly higher than Std 5.
## Sample 59 still has high CV after on replicate removed.
## Both dups & respective samples had H2S values of 0.
##
## [1] "Std Curve R squared: 0.9566"
```



Sample triplicate means and sd dev before bad reps removed



Sample triplicate means and sd dev after bad reps removed

