

Synoptic CB: Porewater Sulfide

November 2025 Samples Plate 3 20251114

2025-12-01

Run Information

```
##### Run information - PLEASE CHANGE
Date_Run = "20251114" #Date that instrument was run
Plate = "3"
Month = "Nov"
Year = "2025"
Run_by = "Zoe Read" #Instrument user
Script_run_by = "Zoe Read" #Code user
Project = "COMPASS"
run_notes = "Std curve is slightly below cutoff (0.979 vs 0.98).
Std curve slope is 2 sd different from previous slopes.
Samples 15, 35, 38, 12, and 16 still have high CVs after one replicate was removed.
Sample 10 needs to be diluted.
Dup and spk was bad.
50 uL of spike added.
" #any notes from the run

##### STDs to remove manually - NA unless standards have high CVs
stds_to_remove <- c("D10") #Ex. c("A02", "B02")

Chkstds_to_remove <- c(NA)

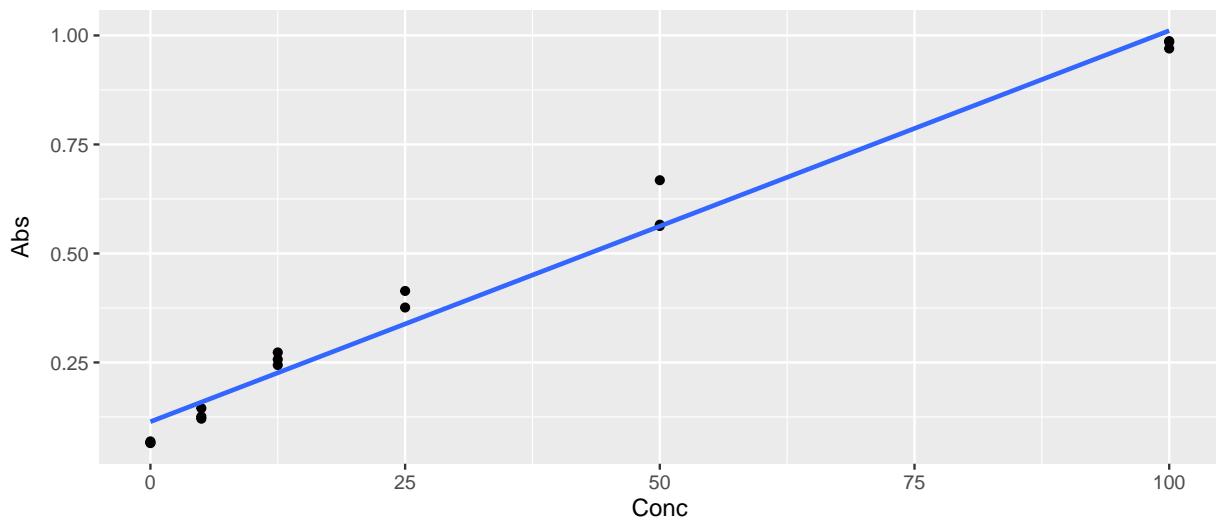
MCs_to_remove <- c(NA)

## 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"
cat(run_notes)

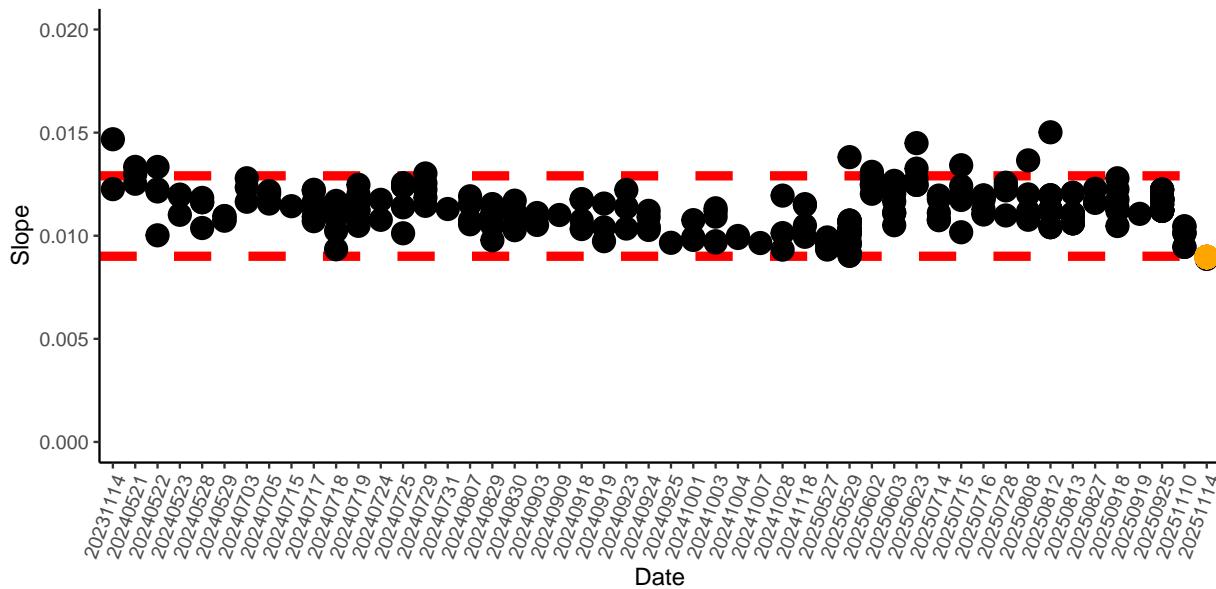
## Std curve is slightly below cutoff (0.979 vs 0.98).
## Std curve slope is 2 sd different from previous slopes.
## Samples 15, 35, 38, 12, and 16 still have high CVs after one replicate was removed.
## Sample 10 needs to be diluted.
## Dup and spk was bad.
## 50 uL of spike added.
##

## [1] "Std Curve R squared: 0.9792"
```

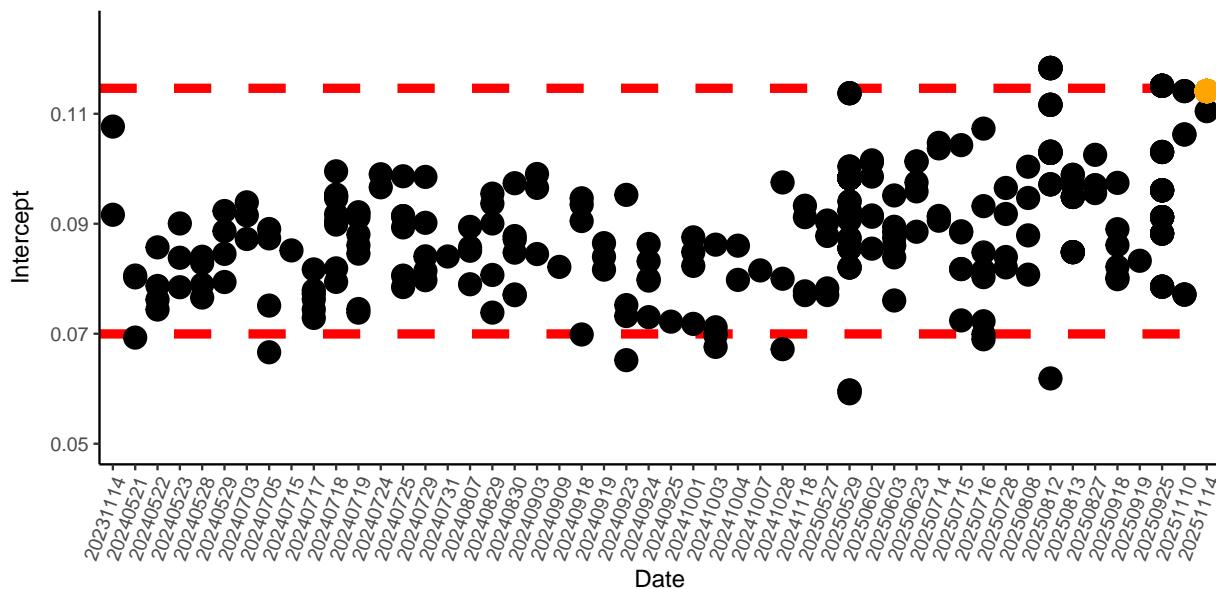
Sulfide Standard Curve



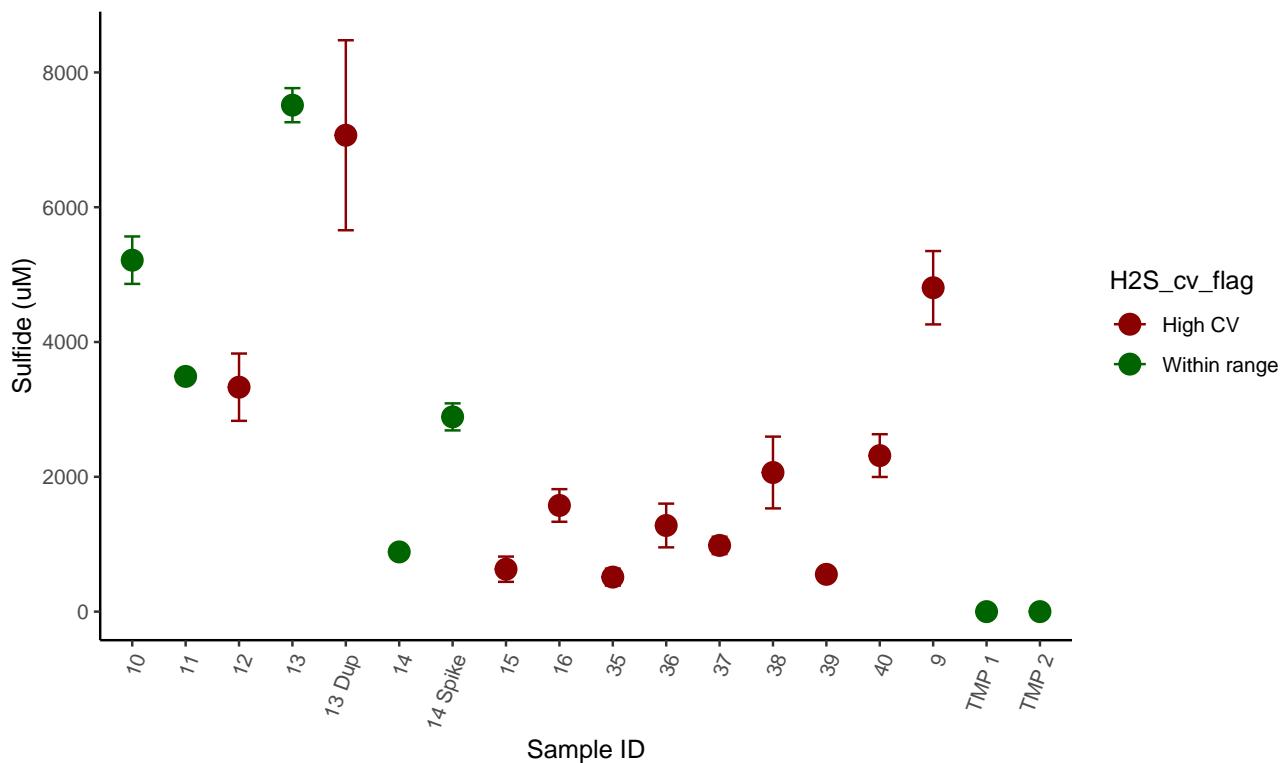
Sulfide Slopes



Sulfide Intercepts



Sample triplicate means and sd dev before bad reps removed



Sample triplicate means and sd dev after bad reps removed

