

Synoptic CB: Porewater Sulfide

September 2025 Samples Plate 5

2025-10-30

Run Information

```
##### Run information - PLEASE CHANGE
Date_Run = "20250925" #Date that instrument was run
Plate = "5"
Month = "Sept"
Year = "2025"
Run_by = "Steph Wilson and Zoe Read" #Instrument user
Script_run_by = "Zoe Read" #Code user
Project = "COMPASS"
run_notes = "Matrix Check 20 is significantly different from Std 5.
Samples 97, 102, 100 still had high CVs after one replicate was removed.
Samples 91, 94, 98 need to be diluted.
Spk 102 had high recovery.
10 uL of spike added." #any notes from the run

##### STDs to remove manually - NA unless standards have high CVs
stds_to_remove <- c("C01", "D03") #Ex. c("A02", "B02")

Chkstds_to_remove <- c(NA)

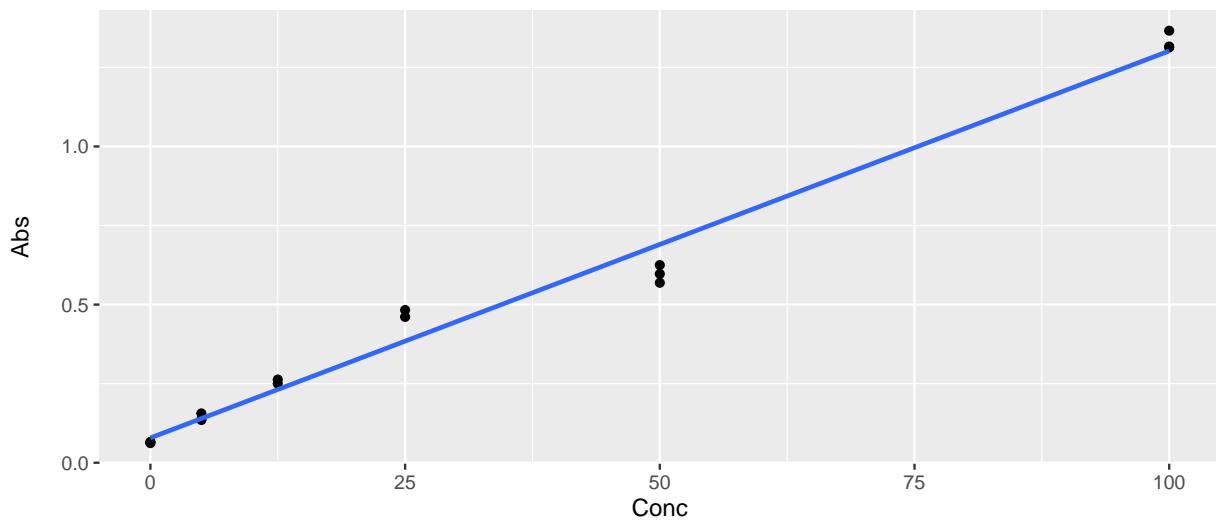
MCs_to_remove <- c(NA)

## 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)

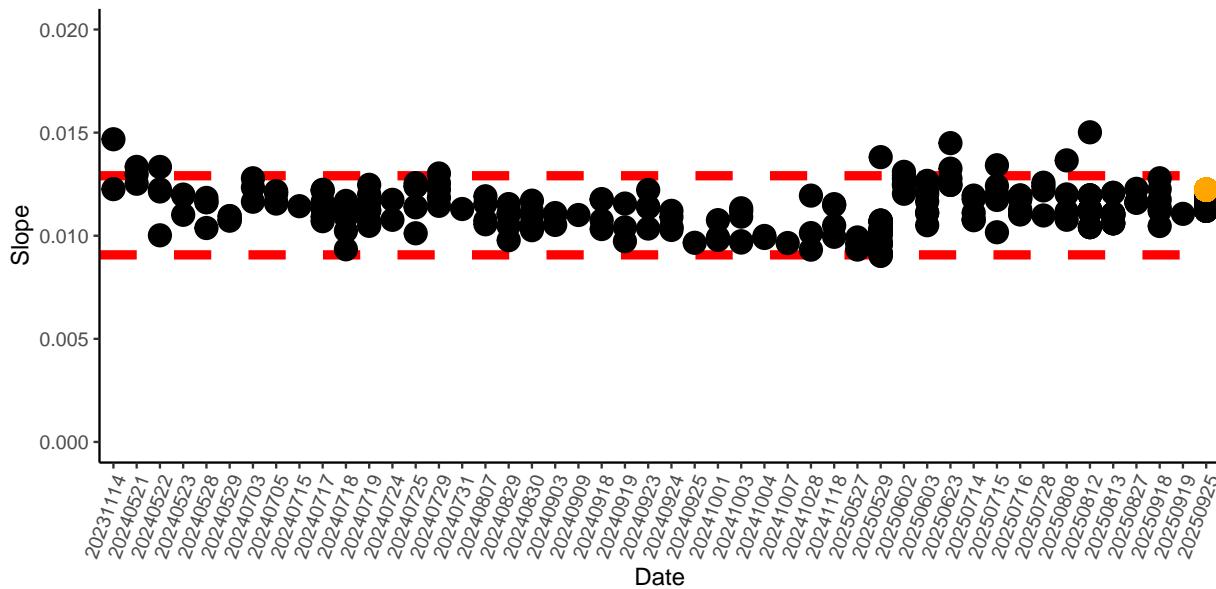
## Matrix Check 20 is significantly different from Std 5.
## Samples 97, 102, 100 still had high CVs after one replicate was removed.
## Samples 91, 94, 98 need to be diluted.
## Spk 102 had high recovery.
## 10 uL of spike added.

## [1] "Std Curve R squared: 0.9832"
```

Sulfide Standard Curve



Sulfide Slopes



Sulfide Intercepts

