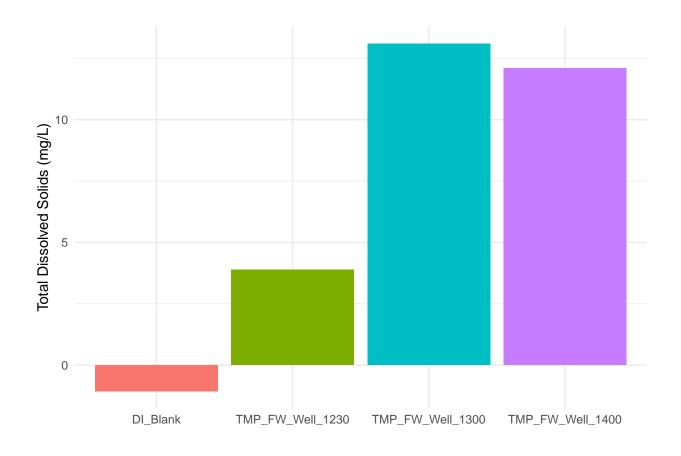
TEMPEST_FW_Well_TSS_20250904

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TSS Data

```
#Read in the data
tss <- read.csv("COMPASS_TEMPEST_WellTest_TSS_Data.csv")</pre>
head(tss)
##
            Sample_ID Tin_ID Tin_Weight_g Tin_Filter_Weight_g
## 1 TMP_FW_Well_1230
                          86
                                  1.81022
                                                       1.99738
                          87
                                  1.79589
## 2 TMP_FW_Well_1300
                                                       1.98429
## 3 TMP_FW_Well_1400
                          88
                                  1.74777
                                                       1.94640
                          89
## 4
             DI_Blank
                                  1.81108
                                                       2.00673
##
    Tin_Filter_Sample_Weight_Dry_g Tin_Filter_Sample_Weight_Dry1_g
## 1
                            2.00113
                                                             1.99887
## 2
                            1.99866
## 3
                            1.95921
                                                             1.95923
## 4
                            2.00571
                                                             2.00567
##
   Filtered_Volume_mL
## 1
                    950
## 2
                   1105
## 3
                   1060
## 4
                    980
#Calculate an Avg. Sample Weight and caluclate TSS mg/L
tss <- tss %>%
 mutate(Avg_Sample_Weight_g =
           rowMeans(select(., Tin_Filter_Sample_Weight_Dry_g,
                           Tin_Filter_Sample_Weight_Dry1_g), na.rm = TRUE))
tss$TSS_mgL <- ((tss$Avg_Sample_Weight_g - tss$Tin_Filter_Weight_g)*1000) /
  (tss$Filtered_Volume_mL/1000)
#plot the TSS
tss_plot <- ggplot(tss, aes(x=Sample_ID, y=TSS_mgL, fill=Sample_ID)) +
  geom_bar(stat = "identity") + theme_minimal() +
  ylab("Total Dissolved Solids (mg/L)") + xlab(" ") +
  theme(legend.position = "none")
print(tss_plot)
```



```
##remove the DI blank and make a table

tss_table <- tss %>%
  filter(Sample_ID != "DI_Blank") %>%
  select("Sample_ID", "TSS_mgL") %>%
  mutate(TSS_mgL = round(TSS_mgL, 2))

kable(tss_table)
```

Sample_ID	TSS_mgL
TMP_FW_Well_1230	3.88
TMP_FW_Well_1300	13.10
TMP_FW_Well_1400	12.09

DIC Data

TOC/TN Data

Sulfate / Chloride Data