syringe day mass.V1 mass.V2 # stage strain

Length:127 Min. :1.000 Min. :0.03610000 Min. :0.03610000 Min. :1548 A : 0 BE:127

Class :character 1st Qu.:3.000 1st Qu.:0.06610000 1st Qu.:0.06610000 1st Qu.:1606 E : 0 UZ: 0

Mode :character Median :4.000 Median :0.07640000 Median :0.07640000 Median :1651 I : 0

Mean :3.866 Mean :0.07708346 Mean :0.07708346 Mean :1662 L :126

3rd Qu.:5.000 3rd Qu.:0.08920000 3rd Qu.:0.08920000 3rd Qu.:1710 P : 0

Max. :8.000 Max. :0.11090000 Max. :0.11090000 Max. :1817 Pre: 1

treat Tray cell start date starttime\_VCO2\_6262\_1

1: 0 Length:127 Min. : 1.00 Min. :20180221 Min. :20180221 Min. :1899-12-31 11:21:18

2:127 Class :character 1st Qu.: 6.50 1st Qu.:20180221 1st Qu.:20180223 1st Qu.:1899-12-31 12:01:31

3: 0 Mode :character Median :13.00 Median :20180221 Median :20180224 Median :1899-12-31 12:22:00

4: 0 Mean :12.87 Mean :20180221 Mean :20180224 Mean :1899-12-31 12:38:50

3rd Qu.:19.00 3rd Qu.:20180221 3rd Qu.:20180225 3rd Qu.:1899-12-31 12:43:55

Max. :25.00 Max. :20180221 Max. :20180228 Max. :1899-12-31 14:45:04

VCO2 purge gap duration co2\_hourly

Min. :1.727 Min. :1899-12-31 10:13:24 Min. :1899-12-31 00:00:37 Min. :1.026 Min. :0.9744

1st Qu.:3.415 1st Qu.:1899-12-31 10:43:49 1st Qu.:1899-12-31 00:00:37 1st Qu.:1.318 1st Qu.:2.3103

Median :4.364 Median :1899-12-31 10:54:36 Median :1899-12-31 00:00:37 Median :1.474 Median :3.0117

Mean :4.655 Mean :1899-12-31 11:11:17 Mean :1899-12-31 00:00:37 Mean :1.459 Mean :3.2560

3rd Qu.:5.586 3rd Qu.:1899-12-31 11:03:38 3rd Qu.:1899-12-31 00:00:37 3rd Qu.:1.616 3rd Qu.:4.2550

Max. :8.534 Max. :1899-12-31 13:00:50 Max. :1899-12-31 00:00:37 Max. :1.811 Max. :6.1433

co2\_hourly\_mass co2\_min\_mass X\_\_1 X\_\_2 X\_\_3 X\_\_4 X\_\_5

Min. : 9.469 Min. :0.1578 Length:127 Mode:logical Mode:logical Mode:logical Mode:logical

1st Qu.:30.667 1st Qu.:0.5111 Class :character NA's:127 NA's:127 NA's:127 NA's:127

Median :39.257 Median :0.6543 Mode :character

Mean :43.533 Mean :0.7255

3rd Qu.:52.364 3rd Qu.:0.8727

Max. :92.519 Max. :1.5420

X\_\_6 X\_\_7

Mode:logical Mode:logical

NA's:127 NA's:127

Response Y1 :

Call:

lm(formula = Y1 ~ day, data = dfBE16)

Residuals:

Min 1Q Median 3Q Max

-0.035252 -0.011952 -0.001852 0.011299 0.035549

Coefficients:

Estimate Std. Error t value Pr(>|t|)

(Intercept) 0.0693524 0.0032464 21.363 <2e-16 \*\*\*

day 0.0019997 0.0007623 2.623 0.0098 \*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.01534 on 125 degrees of freedom

Multiple R-squared: 0.05217, Adjusted R-squared: 0.04459

F-statistic: 6.88 on 1 and 125 DF, p-value: 0.009799

Response Y2 :

Call:

lm(formula = Y2 ~ day, data = dfBE16)

Residuals:

Min 1Q Median 3Q Max

-0.035252 -0.011952 -0.001852 0.011299 0.035549

Coefficients:

Estimate Std. Error t value Pr(>|t|)

(Intercept) 0.0693524 0.0032464 21.363 <2e-16 \*\*\*

day 0.0019997 0.0007623 2.623 0.0098 \*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.01534 on 125 degrees of freedom

Multiple R-squared: 0.05217, Adjusted R-squared: 0.04459

F-statistic: 6.88 on 1 and 125 DF, p-value: 0.009799