

DBP Precursor Workshop

Compliance Calculations

The following table shows sample monitoring data.

- For each month in the last quarter, use the Step 1 TOC Removal Requirements table to determine the Required TOC Removal Percentage. Enter this figure in the shaded boxes in Column C.
- Calculate the percent of TOC actually removed in each month of Quarter 3. Enter this amount in the shaded boxes in Column E.
- Calculate the removal ratio for each month and enter these ratios in the first three shaded boxes in Column F.
- Calculate the sum of Column F in the designated cell and determine the average of these twelve removal ratios. Is the system in compliance?

Compliance Calculations

Month	A Source TOC (mg/L)	B Source Alk. (mg/L)	C Required TOC Removal (%)	D Treated TOC (mg/L)	E % Removed (A-D)/A	F E/C
Oct.	3.5	58	35.0	3.0	14.3	0.41
Nov.	3.2	61	25.0	2.3	28.1	1.12
Dec.	3.0	65	25.0	2.0	33.3	1.33
Jan.	3.0	77	25.0	2.2	26.7	1.07
Feb.	2.8	84	25.0	2.0	28.6	1.14
Mar.	3.5	86	25.0	3.0	14.3	0.57
Apr.	2.1	67	25.0	1.9	9.5	1.0
May	4.1	58	45.0	2.5	39.0	0.87
Jun.	3.7	91	25.0	3.0	18.9	0.76
Jul.	3.4	83	25.0	2.1	38.2	1.53
Aug.	3.9	71	25.0	2.2	43.6	1.74
Sep.	2.9	57	25.0	2.1	27.6	0.79

Results

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since average is ≥ 1.00 , the system is in compliance

sum column (F) = 12.33
12.33/12 = 1.03