

Effluent Guidelines for the Soap and Detergents Manufacturing Category (40 CFR Part 417)

**Excerpt: *Standard Methods*; Method No. 5210C**

**Table 5210: I. UBOD Results for Wastewater Sample**

	(1)	(2)	(3)	(4)	(5)	(6)
	Average DO*	Average Blank DO†	Accumulated DO Consumed by Sample‡	Average NO <sub>3</sub> -N	NBOD	CBOD
Day	mg/L	mg/L	mg/L	mg/L	mg/L <sup>§</sup>	mg/L <sup>i</sup>
0	8.1	—	0	0.0	0	0
3	5.6	—	2.5	—	0	2.5
5	3.5/8.0	—	4.6	0.0	0	4.6
<b>7</b>	<b>6.2</b>	<b>—</b>	<b>6.4</b>	<b>—</b>	<b>0.23</b>	<b>6.2</b>
10	3.2/8.2	—	9.4	0.10	0.46	8.9
15	4.3	—	13.3	—	0.58	12.7
18	2.7/8.1	—	14.9	0.15	0.69	14.2
20	6.6	—	16.4	—	0.80	15.6
25	5.4	—	17.6	0.20	0.92	16.7
30	2.6/8.2	—	20.4	—	0.92	19.5
40	5.3	—	23.3	0.20	0.92	22.4
50	3.1/8.0	—	25.5	—	0.92	24.6
60	4.5	—	29.0	—	0.92	28.1
70	3.3/8.1	—	30.2	—	0.92	29.3
90	5.4	—	32.9	0.20	0.92	32.0

**Notes**

\* Two readings indicate concentrations before and after reaeration.

† None was used.

‡ Column (1)– blank correction (none needed in the example).

§ Column (4) x 4.57 (linear interpolation between values).

i [Column (3)–Column (5)] X dilution factor.