3B { 6/17 2600, 6/18 2760, 7/1 2723 } AVG = 2694 × 0.012 = 32 factor

8/25

			Sample
1 gal/day 4-Z	Dept 246	240 GPM	1 gal / day
5 shift 2A	24"	4000 GPM	1.5 gal / day
5 shift 1B	30"	3940 GPM	1.5 gal / day
35 day Surf	WTP	12,000 GPM	35 gal / day
35 day Sfb	WTP	12,000 GPM	35 gal / day

Maximum amount in solution @ 300 ppb solubility

Dept 246

$$(240\ GPM)(8.34\ \#/gal)(1440\ min/day) = 2,882,304\ \#/da$$

$$\frac{300\ \#\ PCB}{1,000,000,000\ \#} = \frac{Y}{2,882,304\ \#}$$

$$Y = \frac{(0.3 \times 10^3)(2.882 \times 10^6)}{1 \times 10^9} = 0.86\ \#PCB/day$$

Maximum amount that would be soluble per minute

$$(240\ GPM)(8.34\ \#/gal) = 2002\ \#/min$$

$$\frac{300\ \#\ PCB}{1,000,000,000} = \frac{Y}{2002\ \#}$$

$$Y = \frac{(0.3 \times 10^3)(2.002 \times 10^3)}{1 \times 10^9} = 0.6 \times 10^{-3} = 0.0006$$
$$= 0.86\ \#/d$$

$$(0.0006\ \#/min)(454/1.38) = 0.2\ cc/min$$

∴ Just about all loads from Dept 246 will be two phase in down stream

Sampler picks up $(1 gal/day)(8.34\ \#/gal)(454\ gms/\#)\left(\frac{1}{1440\ min/day}\right)$

$= 2.03\ gms/min$

$= (2.03)/1.38 = 1.9\ cc\ PCB/min$

DSW 296189

STLCOPCB4066133