

TABLE 1. Comparison of Tenax Tube (T.T.) and Aqueous-Impinger (A.I.) C-8 in Air Determinations.

<u>Sampling Location</u>	<u>No. of Sample Sets Collected*</u>	<u>Avg. T.T. C-8 Determination (mpb)</u>	<u>Avg. A.I. C-8 Determination (mpb)</u>	<u>Ratio T.T. Avg./A.I. Avg.</u>
B-163, Float. Tank, No. 2 Clean Room**	7	2.50	0.41	6.1
B-163, No. 2 T. D. Dryer, No. 2 Clean Room**	10	2.14	0.54	4.0
B-163, No. 1 Clean Room**	4	4.31	1.83	2.4
B-163, No. 2 Coagulator, 2nd Floor	13	0.46	0.35	1.3
B-163, Flake Hopper	6	0.53	0.43	1.2
B-162, Fine Powder Dryer Room	6	0.27	0.25	1.1
B-163, Tray Conveyor Walkway	6	<0.06	0.06	~1.0
B-163, Oven Control Room	6	<0.06	0.03	~1.0
B-163, Trayout	4	<0.06	0.05	~1.0
B-163, No. 1 Coagulator, 1st Floor	7	0.15	0.20	0.8
B-163, No. 1 Blender	12	0.12	0.19	0.6

* Each sample set consists of one Tenax tube result and one aqueous-impinger result. Both samples in each set were collected side by side so their results could be directly compared.

** According to the paired-t test ($p = 0.05$), a statistically significant increase in C-8 levels using the Tenax tube technique is observed only for those samples collected in the FEP Clean Rooms. The two techniques yielded equivalent C-8 results for all other sampling locations.

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