

WASHINGTON WORKS
C-8 INDUSTRIAL HYGIENE

- **ENGINEERING CONTROLS**
- **WORK RULES, PROTECTIVE CLOTHING,
RESPIRATORY PROTECTION, ETC.**
- **AIR MONITORING**
- **BLOOD MONITORING**

RJZ021243

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**WASHINGTON WORKS
AIR SAMPLING RESULTS**

PERSONAL SAMPLES

	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>
0% - <10% AEL	34	40	18	50
10% - <50% AEL	8	14	14	19
50% - <100% AEL	0	3	1	3
100% AEL	1	0	0	0
TOTAL	43	57	33	72

AREA SAMPLES

<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>
50	43	25	32

- o PERS (DOHMS) system used to determine where personal samples are needed.
- o SIZT used to determine sampling frequencies, usually 90, 180, or 360 days.
- o Area samples have support role, identifying locations where C-8 levels are high.

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TABLE 1
RESULTS SUMMARY - OPERATORS

<u>JOB</u>	<u>DESCRIPTION</u>	<u>1995 AVERAGE (n)</u>	<u>1989 AVERAGE (n)</u>
08PE	autoclave	2.5 (6)	4.7 (7)
08PF	polykettle	2.9 (7)	4.0 (4)
08PH	dispersion	2.2 (2)	3.2 (3)
08PI	FP finishing	2.2 (5)	2.0 (6)
08PJ	FP packout	0.6 (5)	
08PH	C-8 dryer recovery	1.7 (2)	
18PA	FEP polykettle	2.3 (4)	
18PB	FEP extruder/oven	1.6 (5)	0.5 (3)
18PC	FEP wet finishing	3.3 (2)	
18PD	FEP packout	0.1 (3)	
18PJ	PFA/FEP bead	0.7 (2)	
18PK	FEP safety/disp	2.1 (2)	

RESULTS SUMMARY - MECHANICS

58MC	FP/disp/gran/TA	1.4 (1)
58MD	general shift	1.1 (8)
58MG	process E&I	0.8 (7)
68MA	general shift	1.1 (5)
68MB	FEP E&I	0.9 (7)

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POST BLOOD TESTING COMMUNICATIONS

5/7/96 Summary Of 1995 C-8 Blood Testing - A. J. Playtis
8/1/96 Site Employee Communication - A. J. Playtis
8/5/96 C-8 Study - Y. L. Power
8/8/96 C-8 Visit - F. P. Mulherin, J. M. Migliore
12/18/96 C-8 Industrial Hygiene Follow-Up - A. J. Playtis
3/1/97 Occupational Health Review, Organofluorine Compounds
- B. Ramirez, R. W. Rickard

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