

CHEMICAL EXPOSURE MONITORING SUMMARY

1977 - JUNE, 1980

CHEMICAL		1977			1978			1979			JANUARY-JUNE, 1980			OSHA "PEL"
		S	X	R	S	X	R	S	X	R	S	X	R	
Alpha Methyl Styrene	(B)	8	0.8	0-6	5	25*	0-50							100*
Antimony	(A)				71	114.5	0-2538							500
Barium	(A)				65	36.8	0.06-492							500
Cadmium	(B)				50	76.5	0.02-761	77	5.8	0.1-258	6	0.3	0.2-0.3	200
Catalyzed Hydrazine	(B)				4	0.1*	0-0.2							1*
Chromium	(A)				65	0.8	0.01-7.9							500
Copper	(A)				65	0.9	0.01-11.2							1000
Chlorine	(B)	1	0*	0	5	0*	0							1*
Carbon Monoxide	(B)	9	4.3*	0-10										50*
Carbon Black	(D)				5	0	0							3500
Ethyl Ether	(D)				5	0*	0							400*
Isodecanol	(B)	3	0*	0										-
Lead	(B)				65	93.0	0.7 -1039	157	41.6	0.1-845	68	20.4	1.8-21900	50
Manganese	(A)				65	1.4	0.02-35.7							5000
Methanol	(B)				3	500*	100-1200							200*
Nitrogen Dioxide	(A)				5	0*	0							5*
Phthalic Anhydride	(B)	10	0.12*	0.003-0.59	16	1030	20-3800							2*; 12000
Pond Irritant	(B)	10+	(Inconclusive)											-
Parafin Wax Fumes	(B)	2	0*	0										2000 (ACGIH)
Phenol	(B)				5	0*	0							5*
Silicon Dioxide, Respir.	(D)				4	320	120-770							10000
Sulfuric Acid	(A)				5	89	53-170							1000
Total Particulates	(A)	31	3500	0-25100	62	8300	160-44900							15000
Trichlorethylene	(D)	9	302*	25-575										300*
Tin	(A)				41	2.9	0.02-39							200
Vinyl Chloride Monomer	(D)	462	0.4	<0.1-32.7	837	1.5	<0.1-284	813	0.9	<0.1-94.4	436	0.4	<0.1-32.0	1*

S = NUMBER OF SAMPLE RESULTS
X = AVERAGE SAMPLE RESULT
R = RANGE OF SAMPLE RESULTS
* = PARTS PER MILLION; ALL ELSE IN MICROGRAMS PER CUBIC METER OF AIR

(A) = AREA SAMPLES
(D) = DOSIMETRY SAMPLES
(B) = BOTH (A) & (B)