

TABLE 1
 MAXIMUM 1-HR, 8-HR AND ANNUAL MEAN
 C-8 CONCENTRATIONS OVER THE FIVE YEAR (1973-1977)
 PERIOD OF RECORD AT SELECTED RECEPTORS

Receptor	C-8 Concentration, $\mu\text{g}/\text{m}^3$					
	Case 1			Case 1A		
	1-Hr	8-Hr	Annual	1-Hr	8-Hr	Annual
Administration (Bldg. 1)	10.7	4.2	0.09	13.8	5.1	0.14
Cafeteria (Bldg. 5)	11.2	3.5	0.05	13.9	4.6	0.08
Powerhouse (Bldg. 30)	5.0	1.0	0.01	9.1	2.3	0.03
Lucite® Office (Bldg. 143)	10.8	3.9	0.13	14.2	4.9	0.19
Teflon® Office (Bldg. 168)	10.9	3.8	0.05	13.8	5.2	0.07
Butacite® Office (Bldg. 226)	12.0	5.5	0.10	14.0	6.9	0.15
R&D (Bldg. 22)	11.1	3.6	0.04	14.0	4.8	0.07
Incinerator	12.3	3.8	0.18	13.1	4.8	0.22
Carr (Bldg. 170)	10.8	3.7	0.05	13.4	5.9	0.08
Nylon Office (Bldg. 150)	10.7	3.5	0.14	14.4	4.5	0.22
Delrin Office (Bldg. 200)	10.9	4.8	0.07	13.9	5.9	0.11
Central Lab (Bldg. 3)	11.6	4.1	0.06	13.5	5.2	0.10
Bldg. 10	0.3	0.1	0.01	0.3	0.1	0.01
2000 ft N. of TFE Stacks	11.7	4.1	0.26	13.7	5.7	0.34
C&P (Bldg. 280)	11.1	5.5	0.16	12.6	6.5	0.20

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TABLE 2

HIGHEST 1-HR C-8 CONCENTRATIONS FOR EACH
YEAR (1973-1977) AT SELECTED RECEPTORS

Receptor	1-Hr C-8 Concentration, $\mu\text{g}/\text{m}^3$									
	Case 1					Case 2				
	73	74	75	76	77	73	74	75	76	77
Administration (Bldg. 1)	10.7	10.6	10.1	9.0	10.2	12.6	13.4	13.0	11.8	13.8
Cafeteria (Bldg. 5)	9.6	10.6	11.2	10.5	9.5	11.5	13.2	13.9	12.8	12.2
Powerhouse (Bldg. 30)	5.0	3.8	5.0	4.2	4.5	9.1	7.1	8.9	7.6	8.2
Lucite® Office (Bldg. 143)	10.6	10.8	10.7	10.5	10.2	14.2	14.2	14.1	13.8	13.1
Teflon® Office (Bldg. 168)	10.9	9.0	9.4	8.5	8.8	13.8	12.6	12.2	11.9	12.3
Butacite® Office (Bldg. 226)	10.2	10.3	9.8	12.0	10.5	13.5	13.3	11.9	14.0	12.6
R&D (Bldg. 22)	11.1	10.6	10.1	9.8	9.6	14.0	13.3	12.5	12.1	12.5
Incinerator	12.3	8.6	8.6	8.1	9.0	13.1	11.1	11.2	10.4	10.8
Carr (Bldg. 170)	10.5	10.8	10.0	10.4	10.1	12.8	13.4	12.8	12.7	12.9
Nylon Office (Bldg. 150)	10.2	10.7	10.0	10.0	10.9	13.7	13.6	13.1	13.1	14.4
Delrin Office (Bldg. 200)	10.5	9.7	10.1	10.9	10.8	13.0	12.3	12.6	13.9	12.7
Central Lab (Bldg. 3)	11.6	10.3	9.8	11.1	10.3	13.5	13.5	12.4	13.2	12.3
Bldg. 10	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2000 ft N. of TFE Stacks	11.5	11.0	10.0	10.4	11.7	13.7	12.9	11.7	11.6	13.6
C&P (Bldg. 280)	9.0	10.5	10.9	11.0	11.1	10.2	11.9	12.4	12.6	12.6

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TABLE 3

HIGHEST 8-HR C-8 CONCENTRATIONS FOR EACH
YEAR (1973-1977) AT SELECTED RECEPTORS

Receptor	8-Hr C-8 Concentration, $\mu\text{g}/\text{m}^3$									
	Case 1					Case 1A				
	73	74	75	76	77	73	74	75	76	77
Administration (Bldg. 1)	2.6	4.0	4.2	3.2	3.4	3.9	4.6	4.7	4.3	5.1
Cafeteria (Bldg. 5)	2.3	3.5	3.1	3.4	2.3	3.2	4.6	4.4	4.6	3.1
Powerhouse (Bldg. 30)	0.7	0.7	1.0	0.9	0.9	1.4	1.5	2.3	2.0	1.8
Lucite® Office (Bldg. 143)	2.5	2.6	3.3	3.8	3.9	3.4	3.6	4.4	4.2	4.9
Teflon® Office (Bldg. 168)	2.7	3.4	3.8	2.4	2.4	3.9	5.1	5.2	3.4	3.2
Butacite® Office (Bldg. 226)	2.5	3.3	4.2	4.8	5.5	3.4	4.7	5.3	5.8	6.9
R&D (Bldg. 22)	2.5	3.6	2.9	3.2	2.4	3.8	4.6	4.8	4.5	4.2
Incinerator	3.0	3.4	3.8	3.1	2.6	3.7	4.0	4.8	3.9	3.2
Carr (Bldg. 170)	2.9	3.5	3.7	3.0	4.4	4.2	4.8	5.2	4.4	5.9
Nylon Office (Bldg. 150)	2.6	3.5	2.2	2.7	2.9	3.8	4.5	3.2	3.8	3.6
Delrin Office (Bldg. 200)	3.0	4.8	3.8	3.3	4.6	3.9	5.9	5.1	4.0	5.6
Central Lab (Bldg. 3)	2.6	3.5	3.9	3.7	4.1	3.3	4.5	5.1	4.6	5.2
Bldg. 10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000 ft N. of TFE Stacks	3.0	3.6	3.9	4.1	3.6	4.1	5.1	5.5	5.7	4.9
C&P (Bldg. 280)	5.5	2.9	2.5	2.5	3.4	6.5	3.5	3.3	3.3	4.5

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TABLE 4

HIGHEST ANNUAL MEAN C-8 CONCENTRATIONS
FOR EACH YEAR (1973-1977) AT SELECTED RECEPTORS

Receptor	Annual Mean C-8 Concentration, $\mu\text{g}/\text{m}^3$									
	Case 1					Case 1A				
	73	74	75	76	77	73	74	75	76	77
Administration (Bldg. 1)	0.08	0.09	0.09	0.09	0.09	0.12	0.13	0.14	0.14	0.12
Cafeteria (Bldg. 5)	0.03	0.04	0.05	0.05	0.05	0.05	0.06	0.07	0.08	0.08
Powerhouse (Bldg. 30)	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03
Lucite® Office (Bldg. 143)	0.10	0.12	0.13	0.12	0.13	0.16	0.19	0.19	0.19	0.19
Teflon® Office (Bldg. 168)	0.05	0.04	0.04	0.03	0.03	0.07	0.07	0.07	0.05	0.05
Butacite® Office (Bldg. 226)	0.06	0.07	0.08	0.08	0.10	0.10	0.13	0.14	0.13	0.15
R&D (Bldg. 22)	0.03	0.04	0.04	0.03	0.04	0.05	0.07	0.06	0.06	0.07
Incinerator	0.16	0.18	0.15	0.14	0.18	0.19	0.22	0.18	0.17	0.22
Carr (Bldg. 170)	0.03	0.04	0.05	0.03	0.03	0.06	0.07	0.08	0.05	0.05
Nylon Office (Bldg. 150)	0.11	0.14	0.12	0.12	0.12	0.17	0.22	0.19	0.19	0.18
Delrin Office (Bldg. 200)	0.06	0.07	0.07	0.05	0.06	0.09	0.10	0.11	0.08	0.09
Central Lab (Bldg. 3)	0.05	0.05	0.06	0.05	0.06	0.08	0.08	0.10	0.09	0.09
Bldg. 10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2000 ft N. of TFE Stacks	0.25	0.24	0.26	0.24	0.21	0.33	0.32	0.34	0.31	0.28
C&P (Bldg. 280)	0.11	0.16	0.13	0.13	0.12	0.14	0.20	0.17	0.16	0.16

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TABLE 5

HIGHEST ANNUAL MEAN C-8 CONCENTRATIONS FOR
EACH YEAR (1973-1977) FROM 2400 RECEPTOR GRID

Year	Case 1			Case 1A		
	Max. Annual Conc. $\mu\text{g}/\text{m}^3$	Dist., ft.	Dir., Deg.	Max. Annual Conc. $\mu\text{g}/\text{m}^3$	Dist., ft.	Dir., Deg.
1973	0.33	1700	45	0.45	1400	30
1974	0.30	2000	0	0.41	1600	0
1975	0.31	1700	45	0.42	1600	50
1976	0.37	1700	70	0.50	1400	65
1977	0.34	1700	45	0.47	1600	50

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