

Neville Island Bucket Brigade Air Sampling Results
Chart C: Highest Detected Levels Compared to Various Standards

Chemical	Sample Number	Highest Level Detected	EPA Region 3 Risk-Based Concentrations	Texas Short-Term Effects Screening Level	Texas Long-Term Effects Screening Level	North Carolina Annual Ambient Air Standard
Acetone	7	34.0	155.3	2,440.0	244.0	
Acrylonitrile	10	31.0	0.01	19.4	1.9	0.07
Benzene	7	11.0	0.06	3.7	0.9	0.04
2-Butanone (MEK)	9	2.1		1,300.0	130.0	
Carbon Disulfide	13	6.0	234.1	9.5	0.9	
Carbonyl Sulfide	12	5.1		3.2	0.3	
Dichlorodifluoromethane	10	0.8	20.9	9,840.0	984.0	
Dicyclopentadiene	13	37.0	0.04	5.7	0.6	
Ethanol	12	25.0		9,810.0	981.0	
Ethylbenzene	9	2.3	0.4	452.0	45.2	
n-Hexane	9	4.4	57.8	490.0	49.0	
Hydrogen Sulfide	7	6.8	0.7	0.7		
Isopropyl Alcohol	Background	10.0		3,140.0	314.0	
Methylene Chloride	7	10.0	1.1	73.5	7.4	6.79
alpha-Methylstyrene	13	4.1	7.6			
Propylbenzene	13	4.1	30.5			
Toluene	9	13.0	109.2	490.0	49.0	
1,2,4-Trimethylbenzene	13	2.1	1.3	250.0	25.0	
1,3,5-Trimethylbenzene	13	1.1	1.2	250.0	25.0	
<i>m,p</i> -Xylenes	9	9.3	1,679.0	837.0	83.7	
<i>o</i> -Xylene	13	2.3	1,679.0	837.0	83.7	

~ all figures are in ppb_v (parts per billion by volume)

~ see appendix for further explanation